

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053746.D
 Acq On : 13 Feb 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 14 00:05:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	726527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	947760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	496069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360366	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	346405	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.09	98	1285410	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.40	95	449505	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	388482	47.447	ug/l	100
3) Chloromethane	2.06	50	408226	47.329	ug/l	99
4) Vinyl Chloride	2.19	62	430744	51.445	ug/l	99
5) Bromomethane	2.57	94	290990	53.152	ug/l	99
6) Chloroethane	2.71	64	267848	55.979	ug/l	98
7) Trichlorofluoromethane	3.02	101	596076	52.498	ug/l	99
8) Diethyl Ether	3.41	74	208433	50.265	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	369666	52.643	ug/l	98
10) Methyl Iodide	3.96	142	523394	47.487	ug/l	100
11) Tert butyl alcohol	4.78	59	114061	264.428	ug/l	99
12) 1,1-Dichloroethene	3.74	96	331646	49.295	ug/l	98
13) Acrolein	3.61	56	56886	242.221	ug/l	99
14) Allyl chloride	4.33	41	521116	48.647	ug/l	99
15) Acrylonitrile	4.99	53	626773	269.158	ug/l	99
16) Acetone	3.81	43	598677	320.232	ug/l	100
17) Carbon Disulfide	4.06	76	933212	44.547	ug/l	100
18) Methyl Acetate	4.32	43	312593	56.459	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	908004	53.239	ug/l	99
20) Methylene Chloride	4.55	84	381234	48.606	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	356725	49.147	ug/l	97
22) Diisopropyl ether	5.95	45	1062535	53.532	ug/l	99
23) Vinyl Acetate	5.90	43	3574717	260.339	ug/l	98
24) 1,1-Dichloroethane	5.85	63	664063	50.160	ug/l	99
25) 2-Butanone	6.83	43	739350	277.291	ug/l	99
26) 2,2-Dichloropropane	6.82	77	511883	50.651	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	413704	51.258	ug/l	98
28) Bromochloromethane	7.19	49	287841	50.102	ug/l	96
29) Tetrahydrofuran	7.21	42	461032	269.273	ug/l	98
30) Chloroform	7.37	83	668394	50.930	ug/l	100
31) Cyclohexane	7.65	56	587032	47.617	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	567074	51.922	ug/l	98
36) 1,1-Dichloropropene	7.79	75	512422	55.218	ug/l	99
37) Ethyl Acetate	6.93	43	295053	56.929	ug/l	99
38) Carbon Tetrachloride	7.78	117	509378	54.488	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	608614	55.280	ug/l	98
40) Benzene	8.04	78	1518858	53.076	ug/l	99
41) Methacrylonitrile	7.17	41	179449	61.950	ug/l	98
42) 1,2-Dichloroethane	8.12	62	456399	53.713	ug/l	99
43) Isopropyl Acetate	8.16	43	532706	53.222	ug/l	99
44) Trichloroethene	8.83	130	434393	53.319	ug/l	99
45) 1,2-Dichloropropane	9.12	63	403086	55.071	ug/l	99
46) Dibromomethane	9.21	93	238799	54.122	ug/l	96
47) Bromodichloromethane	9.40	83	514182	56.048	ug/l	98
48) Methyl methacrylate	9.20	41	254496	53.266	ug/l	91
49) 1,4-Dioxane	9.20	88	76739	1104.216	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1453492	295.513	ug/l	100
52) Toluene	10.16	92	936650	55.149	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	518092	56.398	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	603748	55.462	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	355040	58.013	ug/l	99
56) Ethyl methacrylate	10.43	69	419732	57.974	ug/l	98
57) 1,3-Dichloropropane	10.71	76	578975	55.354	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	994270	222.354	ug/l	98
59) 2-Hexanone	10.75	43	973534	291.560	ug/l	99
60) Dibromochloromethane	10.90	129	402173	58.274	ug/l	99
61) 1,2-Dibromoethane	11.01	107	334655	55.247	ug/l	100
64) Tetrachloroethene	10.63	164	430709	53.014	ug/l	98
65) Chlorobenzene	11.43	112	1123320	55.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	416197	59.197	ug/l	99
67) Ethyl Benzene	11.51	91	1871071	56.580	ug/l	99
68) m/p-Xylenes	11.62	106	1438834	113.999	ug/l	99
69) o-Xylene	11.95	106	709805	58.211	ug/l	98
70) Styrene	11.96	104	1167288	59.063	ug/l	100
71) Bromoform	12.13	173	293026	60.793	ug/l	99
73) Isopropylbenzene	12.25	105	1799498	51.601	ug/l	100
74) N-amyl acetate	12.07	43	443520	52.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	432661	51.841	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	531650	83.439	ug/l #	100
77) Bromobenzene	12.53	156	490111	52.148	ug/l	98
78) n-propylbenzene	12.59	91	2149244	53.313	ug/l	100
79) 2-Chlorotoluene	12.68	91	1239781	51.836	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1568519	54.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115593	51.013	ug/l	98
82) 4-Chlorotoluene	12.77	91	1289751	52.552	ug/l	99
83) tert-Butylbenzene	12.99	119	1358574	53.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1602909	54.405	ug/l	100
85) sec-Butylbenzene	13.17	105	1985199	57.078	ug/l	99
86) p-Isopropyltoluene	13.29	119	1754225	57.670	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	909968	53.859	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	900415	53.876	ug/l	98
89) n-Butylbenzene	13.62	91	1508391	57.290	ug/l	100
90) Hexachloroethane	13.88	117	291597	58.117	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	878767	54.330	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65241	54.850	ug/l	100

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

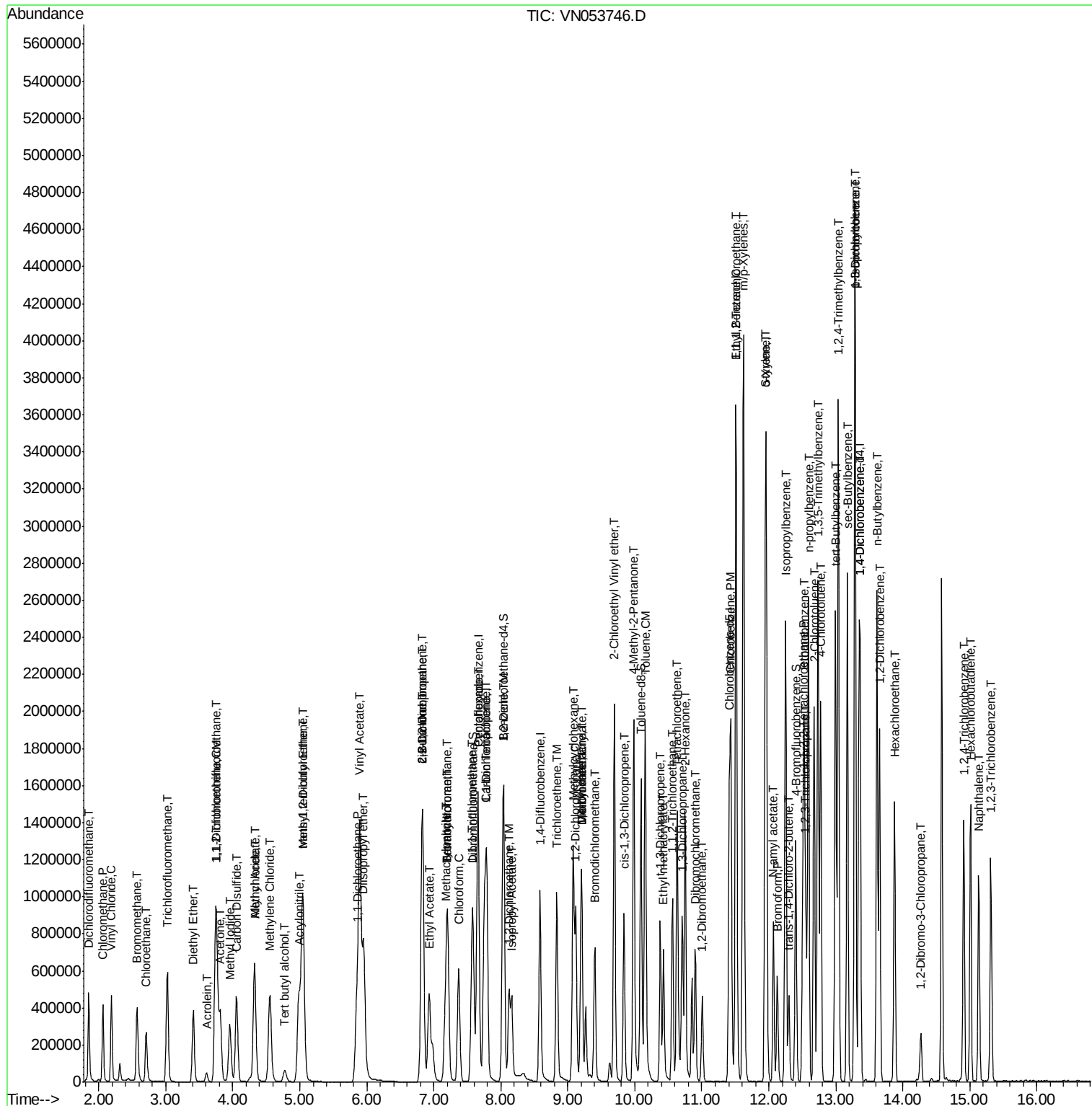
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	502695	54.189	ug/l	99
94) Hexachlorobutadiene	15.01	225	326394	56.498	ug/l	100
95) Naphthalene	15.13	128	994967	45.809	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	466976	54.252	ug/l	100

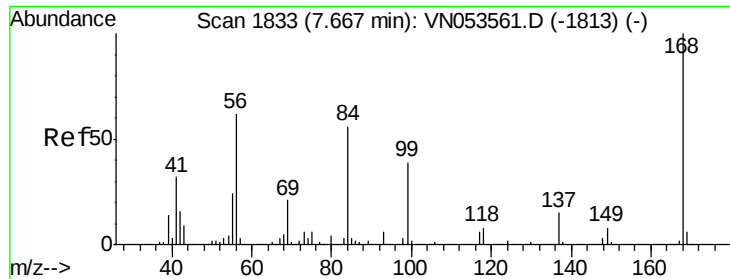
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021319\
Data File : VN053746.D
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

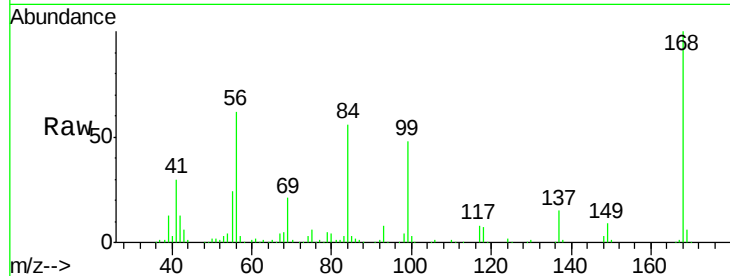
VSTDCCC050

Tot Ion:168 Resp: 726527

Ion Ratio Lower Upper

168 100

99 47.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

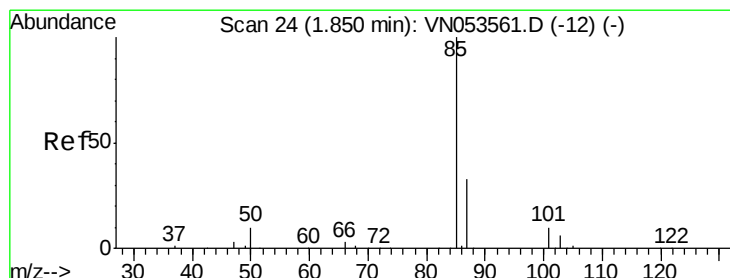
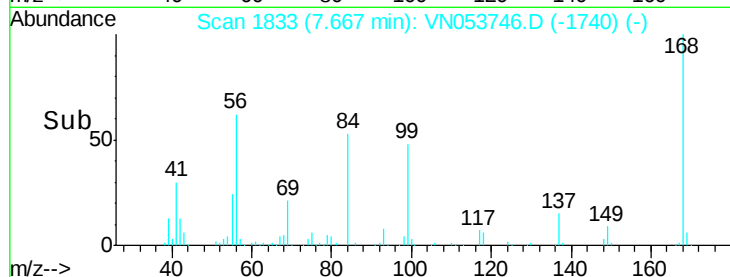
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.447 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053746.D

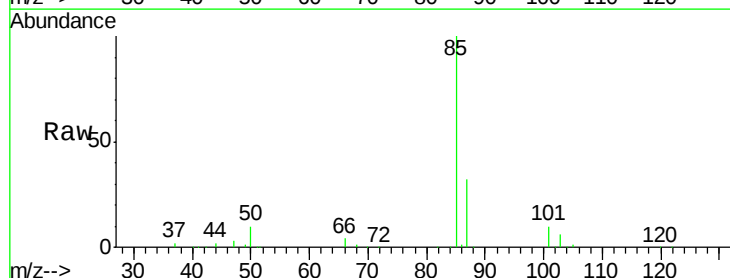
Acq: 13 Feb 2019 10:47

Tgt Ion: 85 Resp: 388482

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

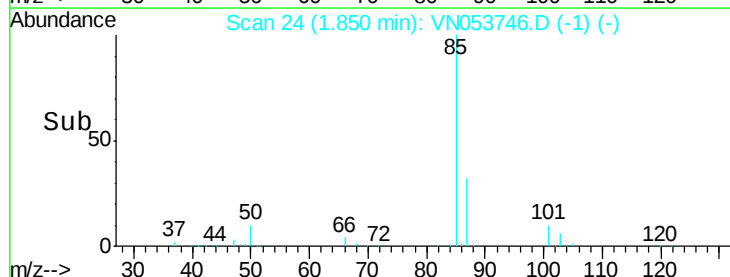
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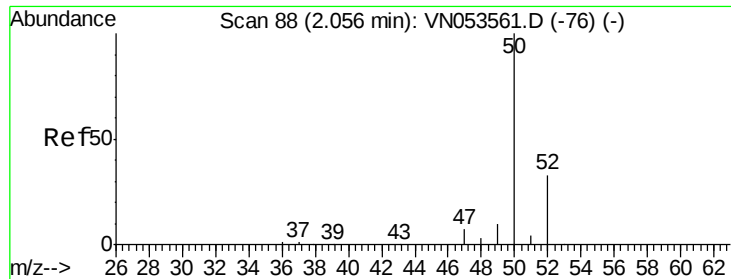
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.329 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

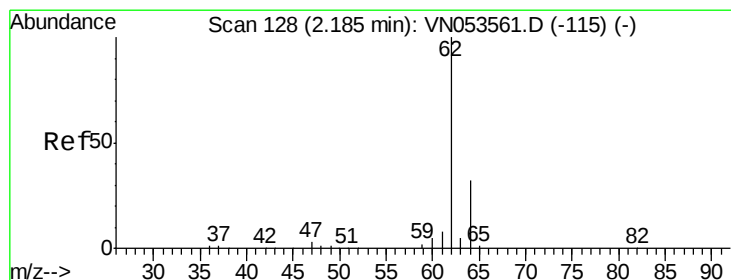
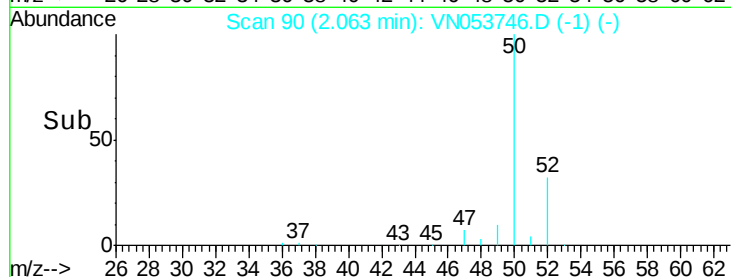
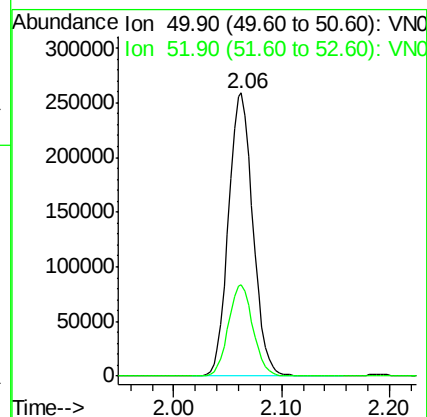
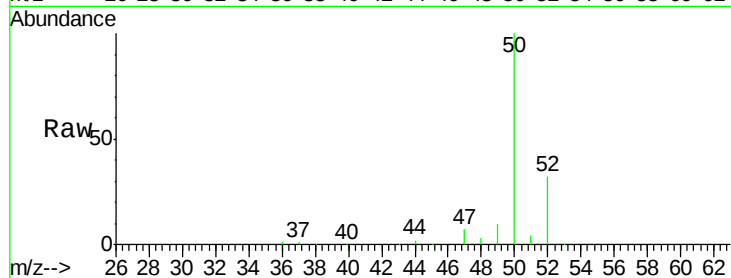
VSTDCCC050

Tot Ion: 50 Resp: 408226

Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0



#4

Vinyl Chloride

Concen: 51.445 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053746.D

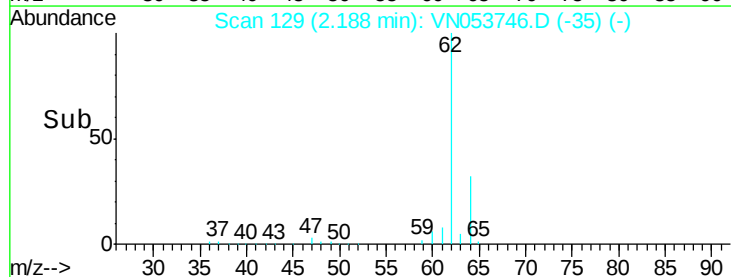
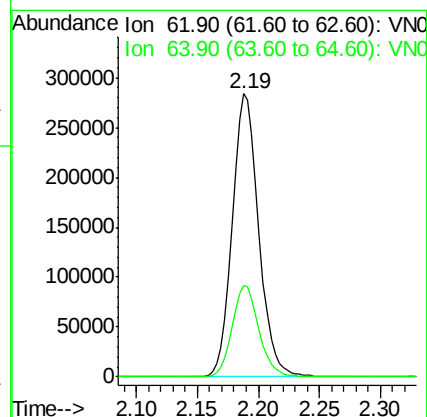
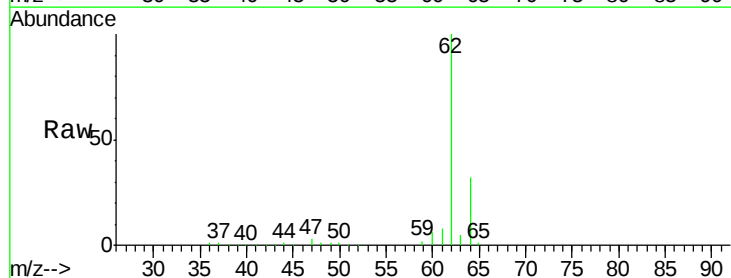
Acq: 13 Feb 2019 10:47

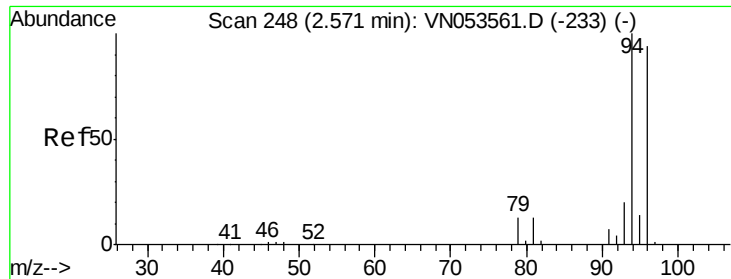
Tgt Ion: 62 Resp: 430744

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 53.152 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

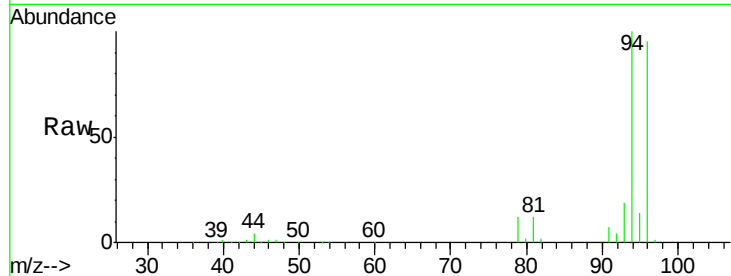
VSTDCCC050

Tot Ion: 94 Resp: 290990

Ion Ratio Lower Upper

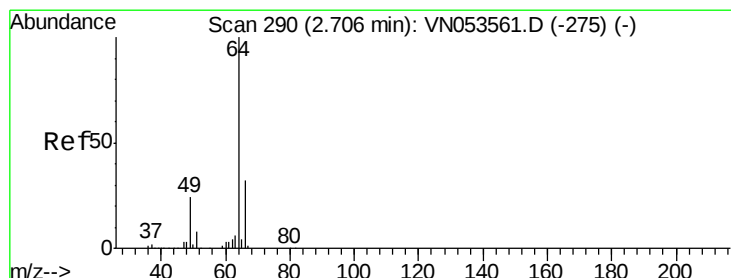
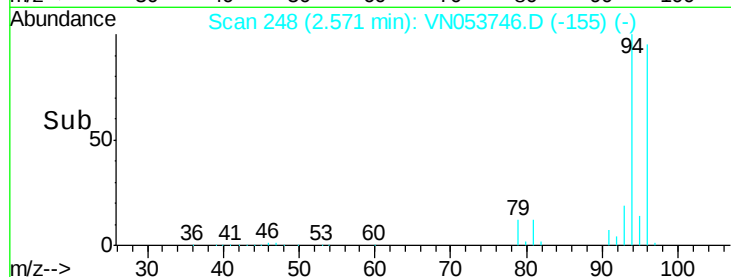
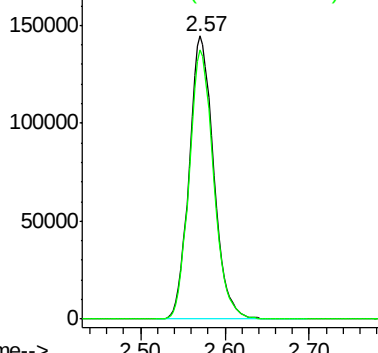
94 100

96 95.0 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.979 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053746.D

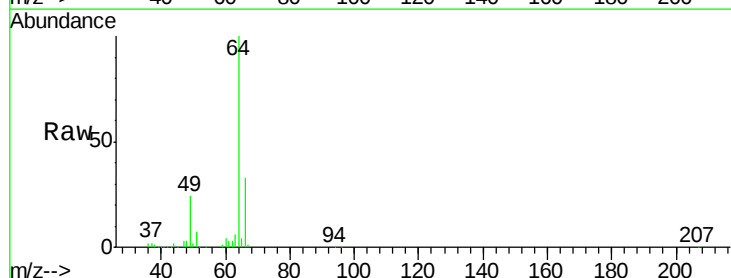
Acq: 13 Feb 2019 10:47

Tgt Ion: 64 Resp: 267848

Ion Ratio Lower Upper

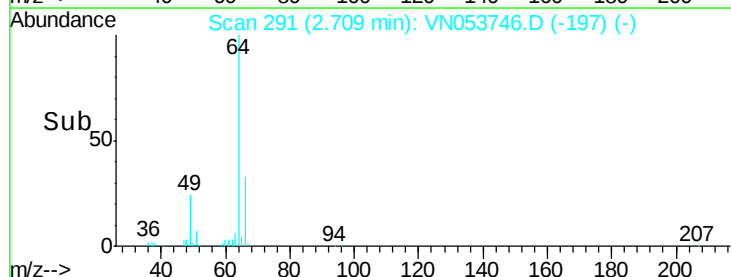
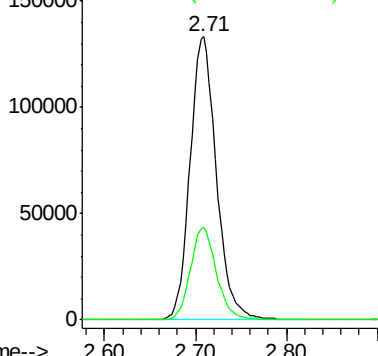
64 100

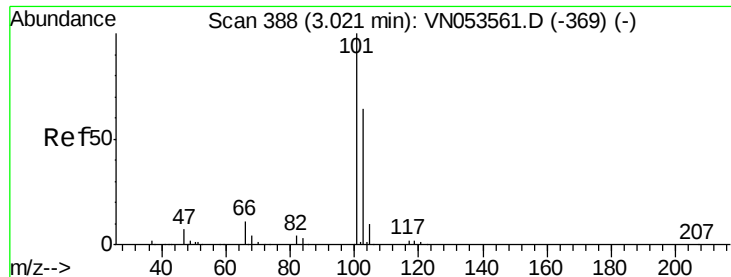
66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



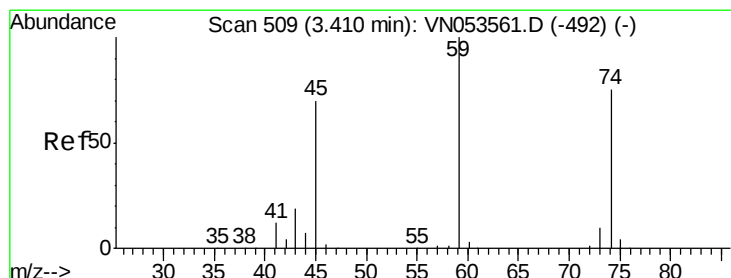
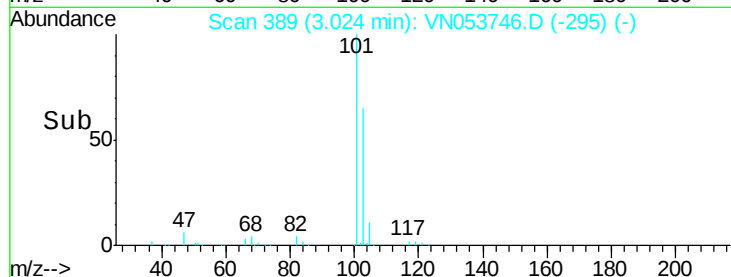
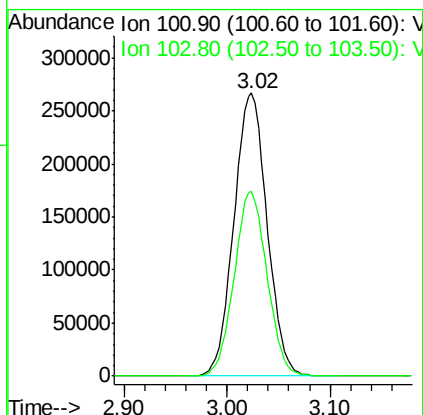
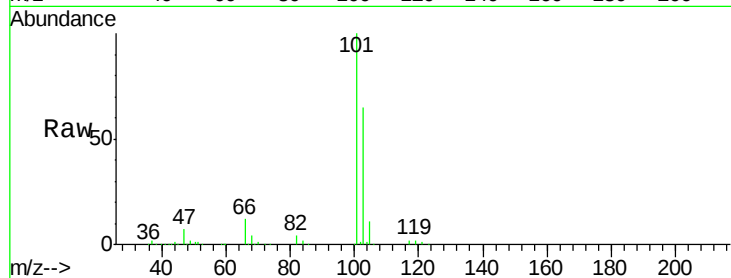


#7

Trichlorofluoromethane
 Concen: 52.498 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

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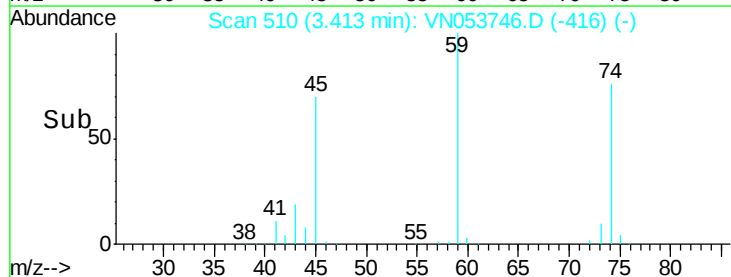
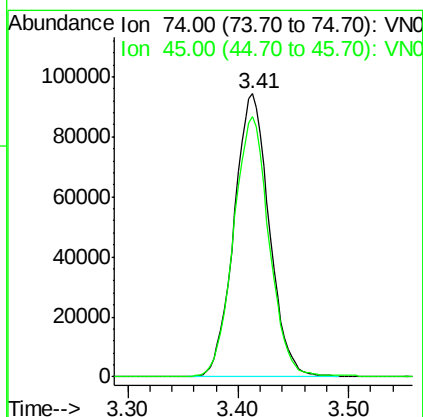
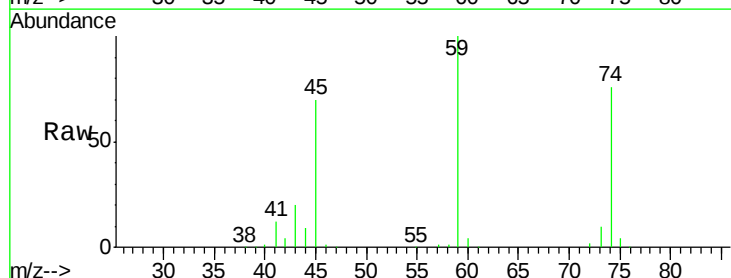
Tot Ion:101 Resp: 596076
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.6 77.4

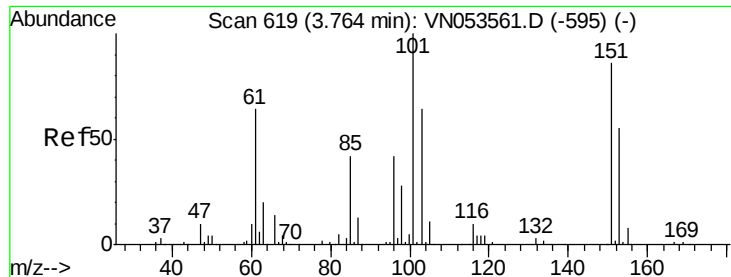


#8

Diethyl Ether
 Concen: 50.265 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion: 74 Resp: 208433
 Ion Ratio Lower Upper
 74 100
 45 92.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.643 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

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VSTDCCC050

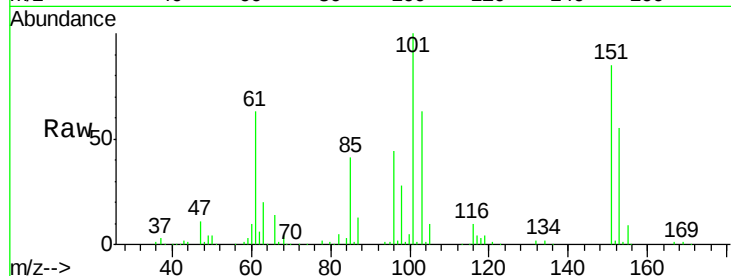
Tot Ion:101 Resp: 369666

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

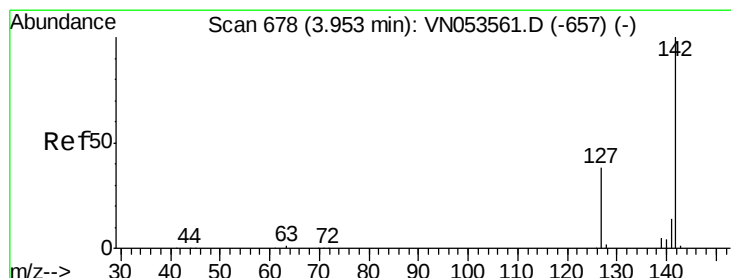
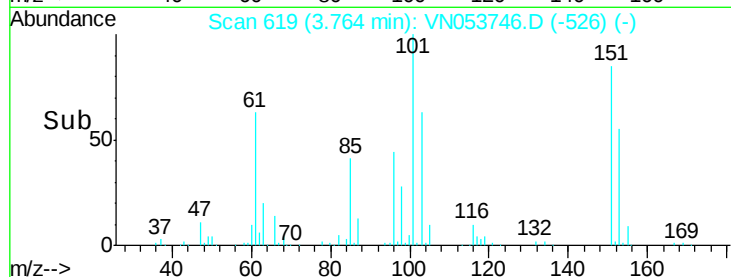
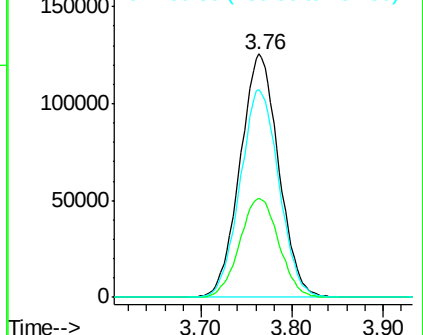
151 85.9 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.487 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

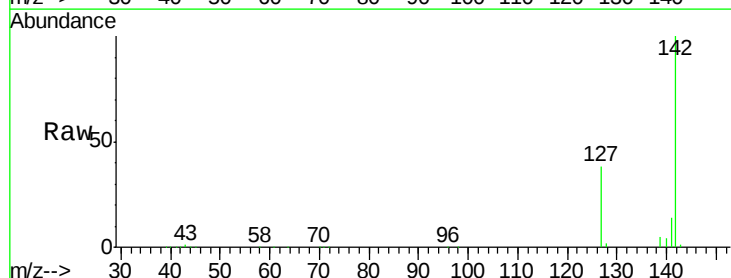
Tgt Ion:142 Resp: 523394

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

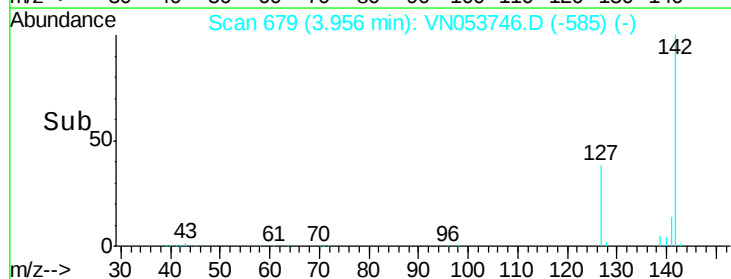
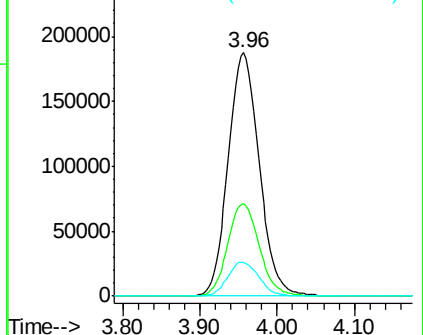
141 14.1 11.1 16.7

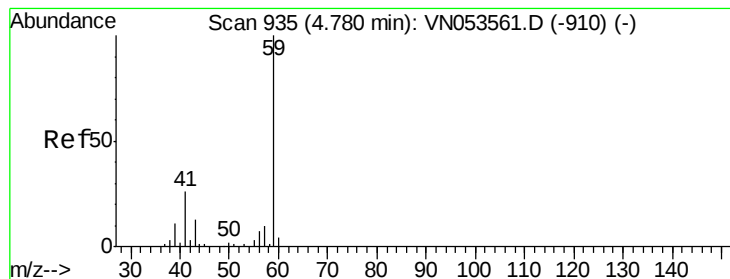


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



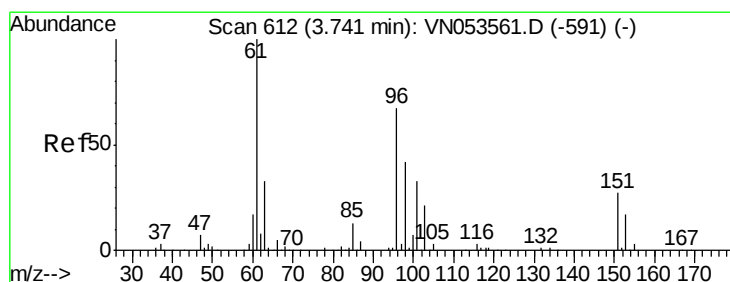
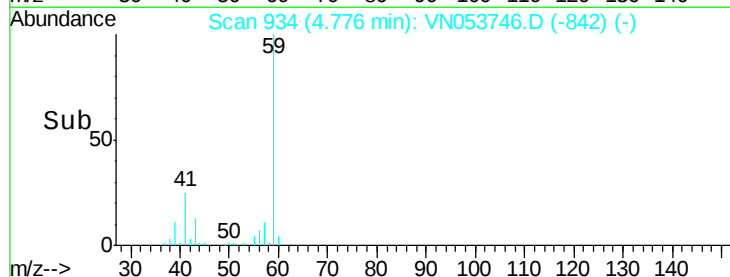
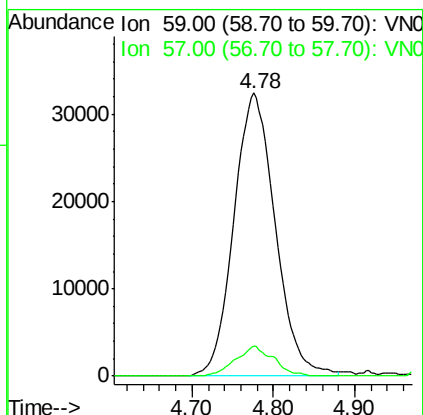
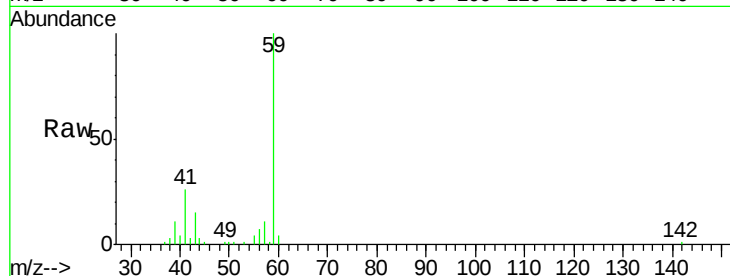


#11

Tert butyl alcohol
 Concen: 264.428 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

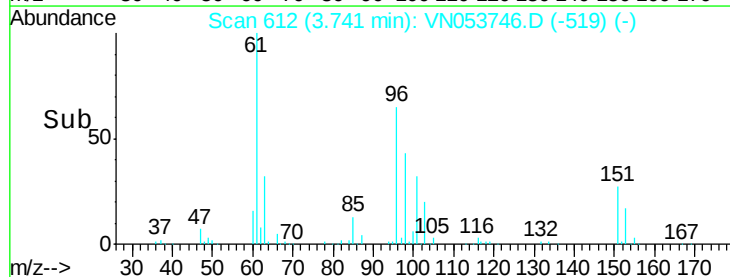
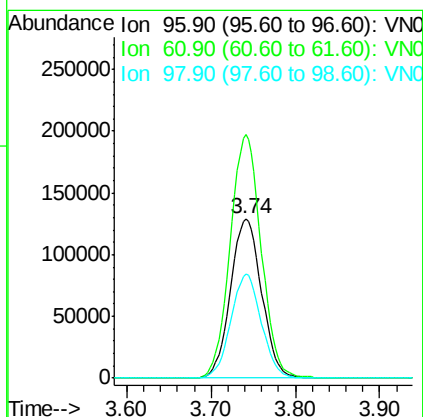
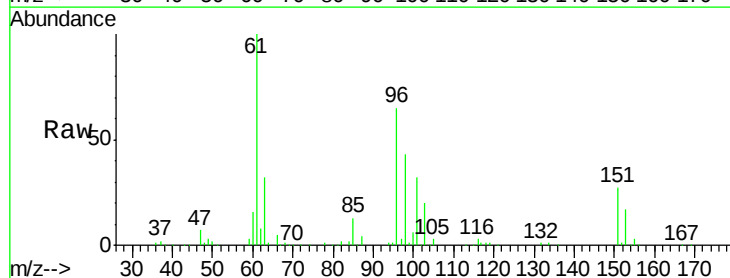
Tot Ion: 59 Resp: 114061
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

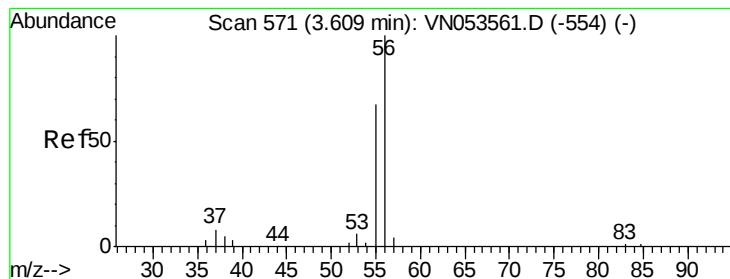


#12

1,1-Dichloroethene
 Concen: 49.295 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion: 96 Resp: 331646
 Ion Ratio Lower Upper
 96 100
 61 153.0 122.9 184.3
 98 65.8 49.4 74.0





#13

Acrolein

Concen: 242.221 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

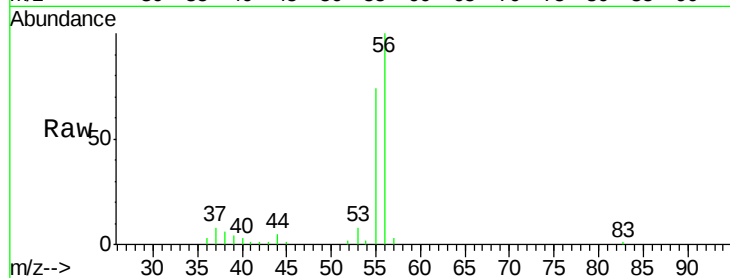
VSTDCCC050

Tot Ion: 56 Resp: 56886

Ion Ratio Lower Upper

56 100

55 72.6 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

10000

5000

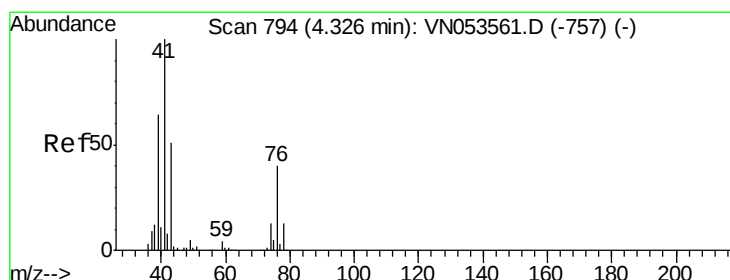
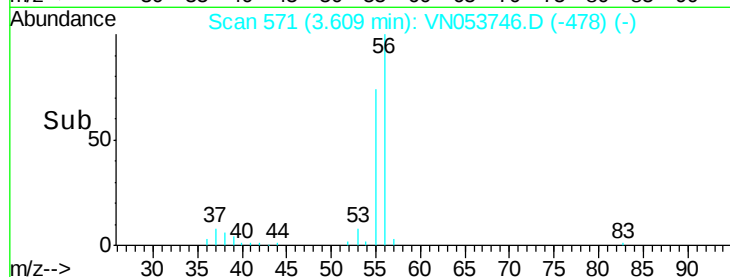
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 48.647 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

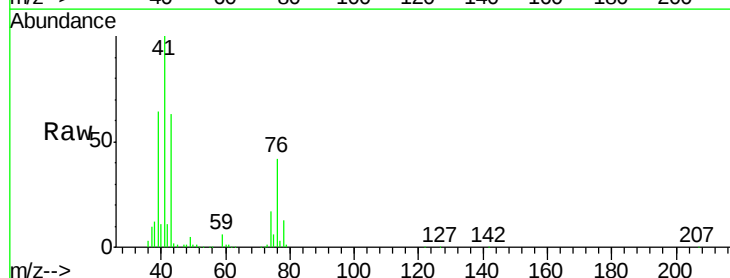
Tgt Ion: 41 Resp: 521116

Ion Ratio Lower Upper

41 100

39 61.3 48.9 73.3

76 38.4 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

200000

150000

100000

50000

0

Time-->

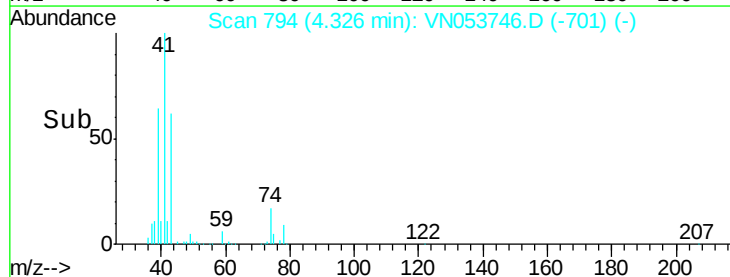
4.10

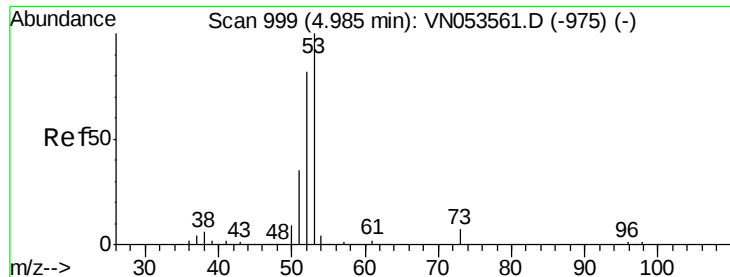
4.20

4.30

4.40

4.50





#15

Acrylonitrile

Concen: 269.158 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

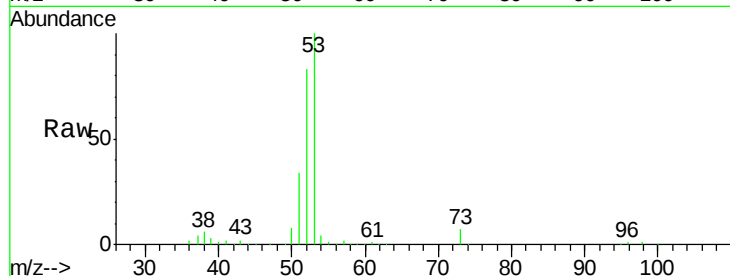
Tot Ion: 53 Resp: 626773

Ion Ratio Lower Upper

53 100

52 81.3 66.0 99.0

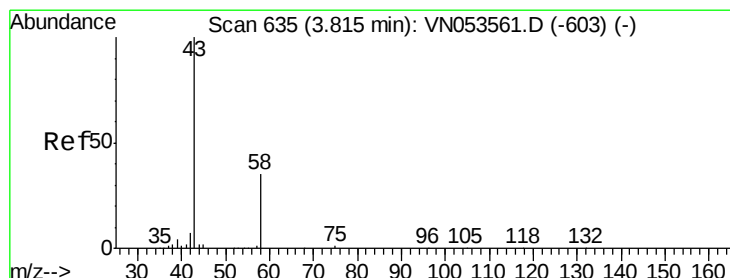
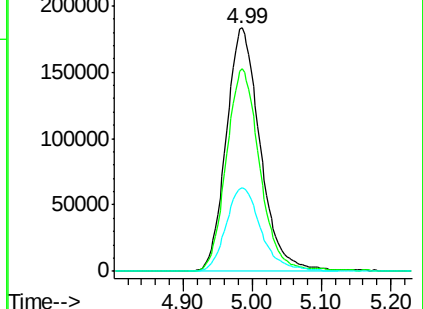
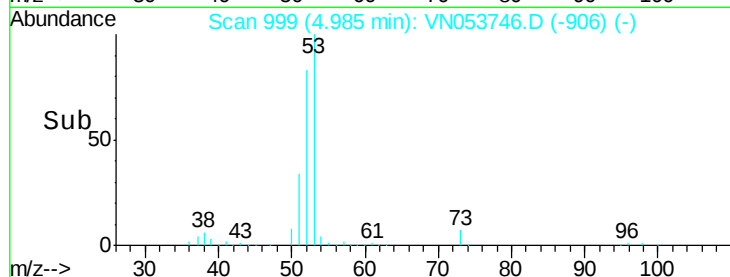
51 35.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053746.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN053746.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN053746.D (-906) (-)



#16

Acetone

Concen: 320.232 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053746.D

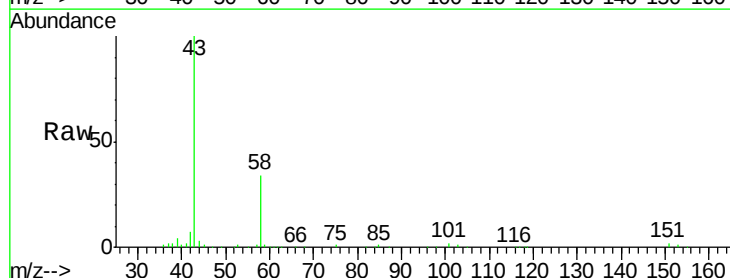
Acq: 13 Feb 2019 10:47

Tgt Ion: 43 Resp: 598677

Ion Ratio Lower Upper

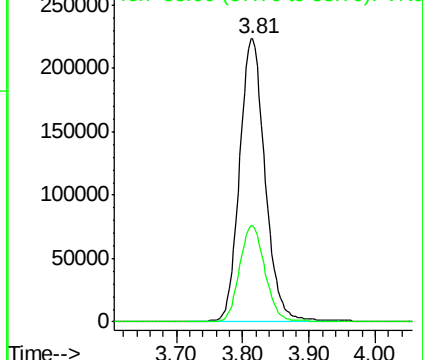
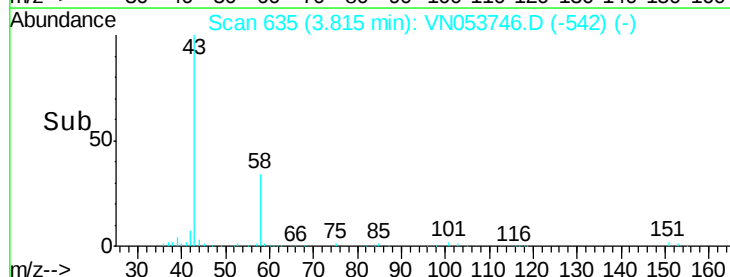
43 100

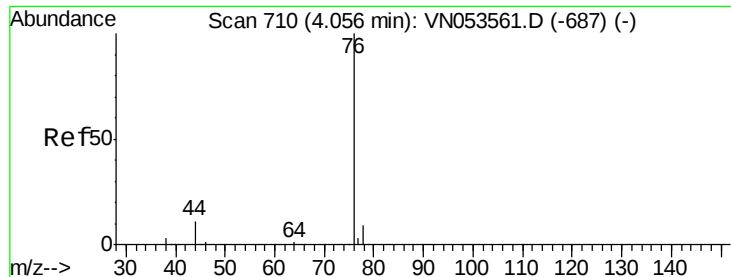
58 34.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053746.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053746.D (-542) (-)

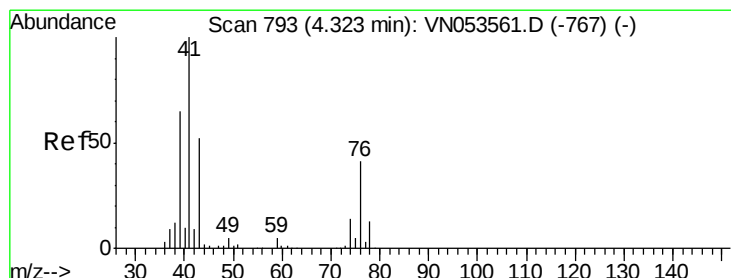
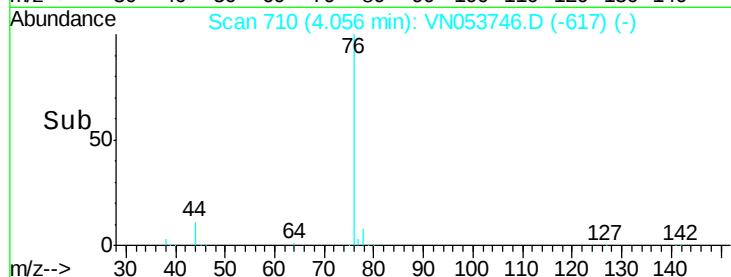
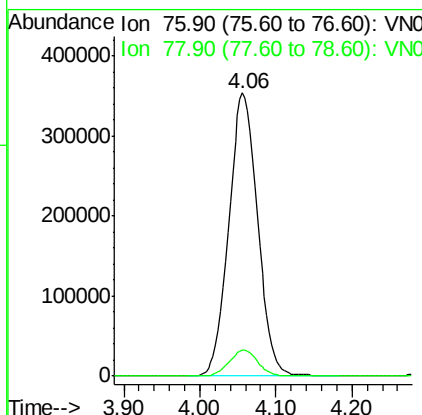
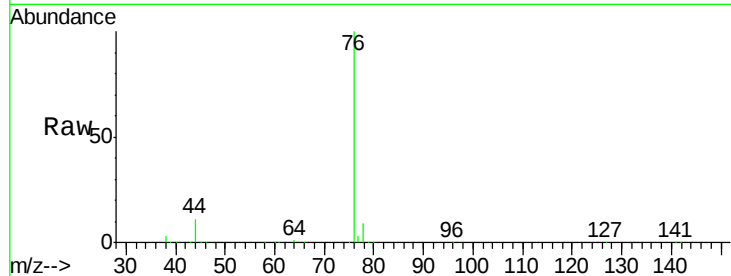




#17
Carbon Disulfide
Concen: 44.547 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

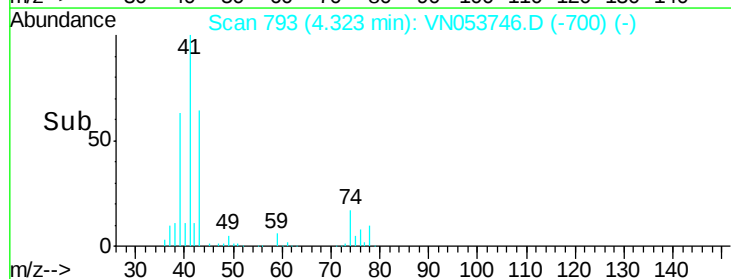
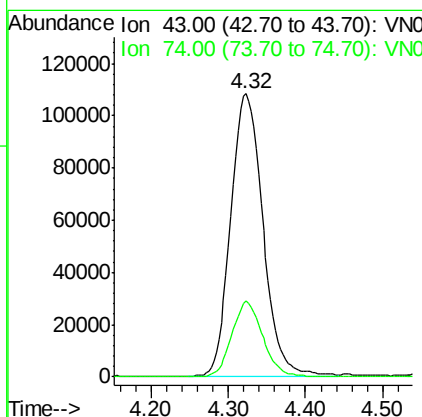
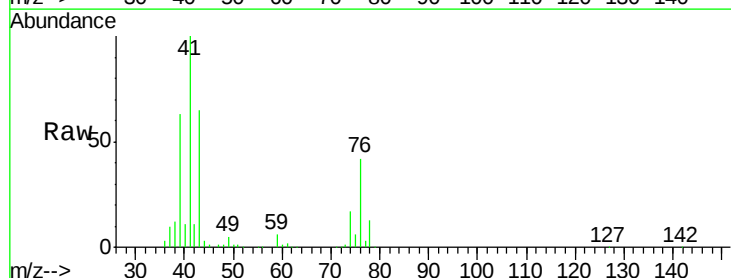
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

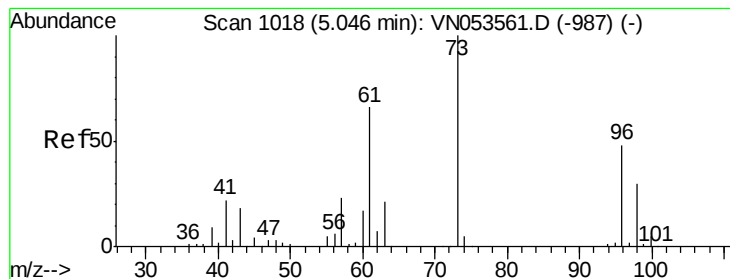
Tot Ion: 76 Resp: 933212
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 56.459 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 43 Resp: 312593
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 53.239 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

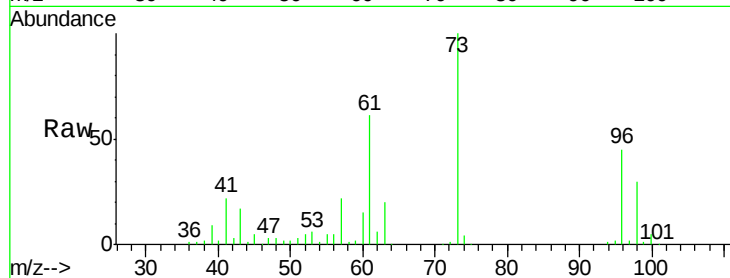
VSTDCCC050

Tot Ion: 73 Resp: 908004

Ion Ratio Lower Upper

73 100

57 22.2 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN053561.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN053561.D (-987) (-)

5.04

250000

200000

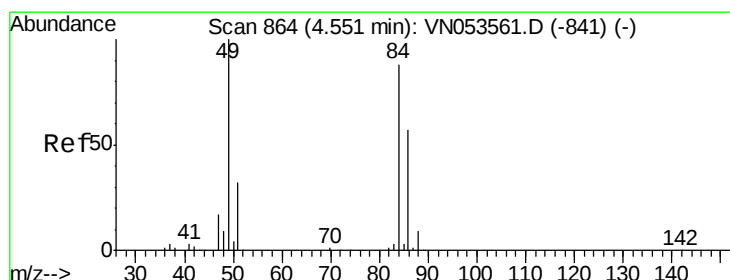
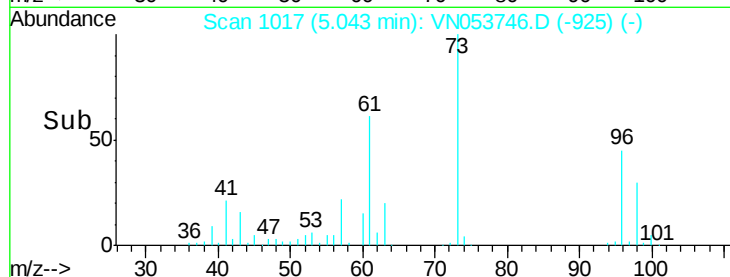
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 48.606 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion: 84 Resp: 381234

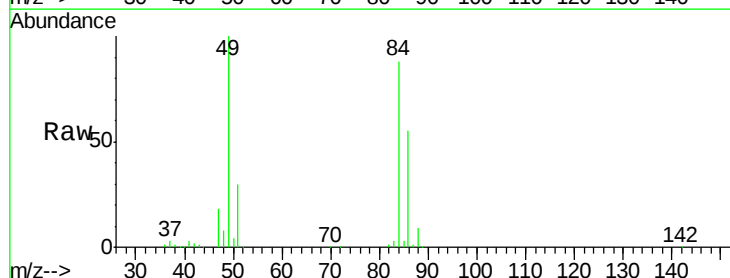
Ion Ratio Lower Upper

84 100

49 114.1 94.3 141.5

51 34.4 29.4 44.2

86 63.0 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053561.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN053561.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN053561.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN053561.D (-841) (-)

200000

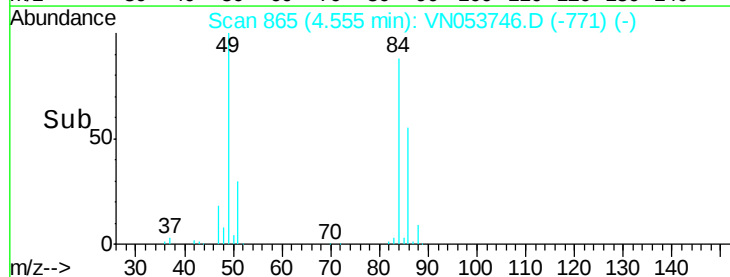
150000

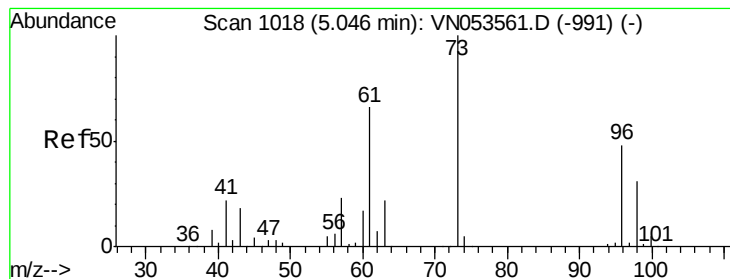
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 49.147 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

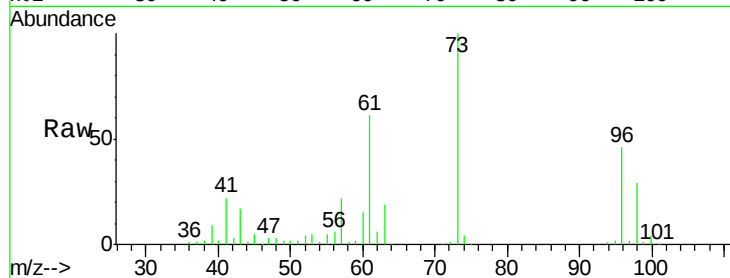
Tot Ion: 96 Resp: 356725

Ion Ratio Lower Upper

96 100

61 133.6 110.1 165.1

98 64.2 50.0 75.0

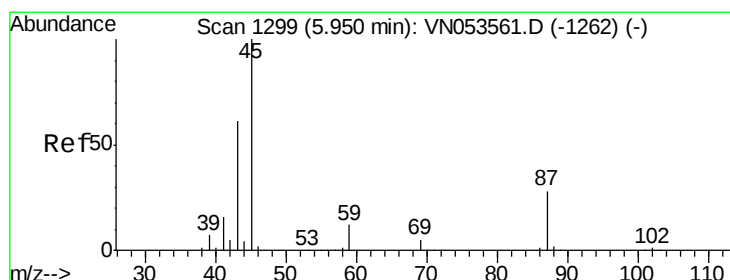
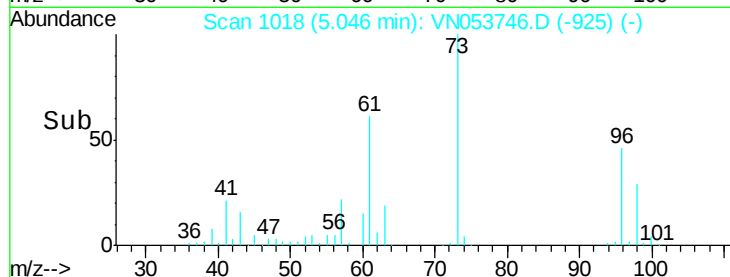
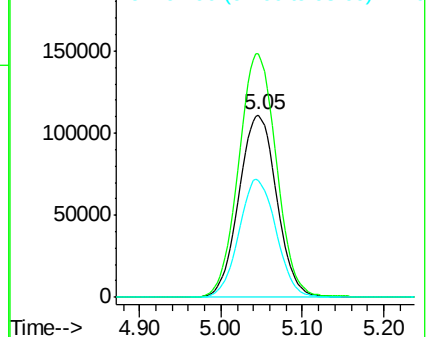


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.532 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion: 45 Resp: 1062535

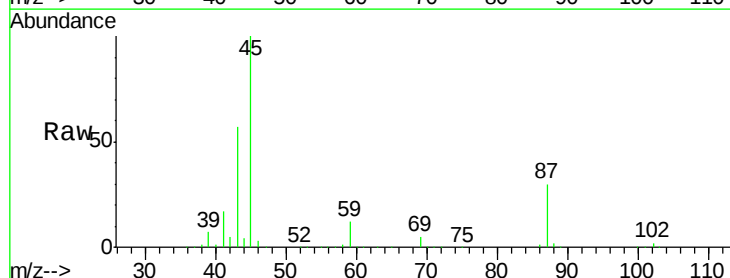
Ion Ratio Lower Upper

45 100

43 55.9 44.2 66.4

87 29.3 22.7 34.1

59 12.1 9.4 14.2



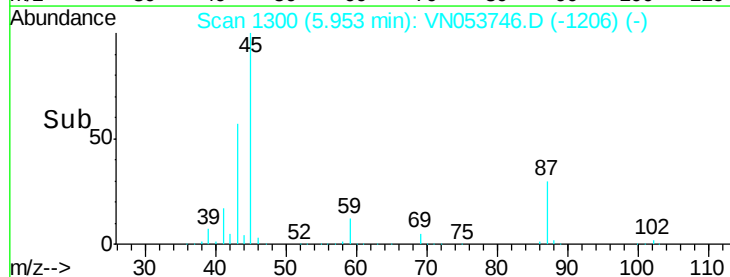
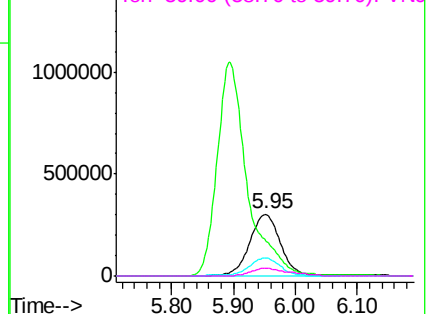
Abundance

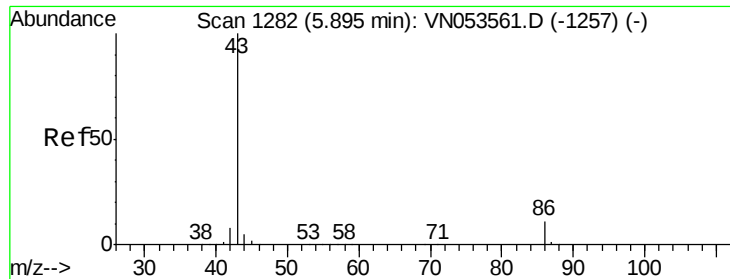
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

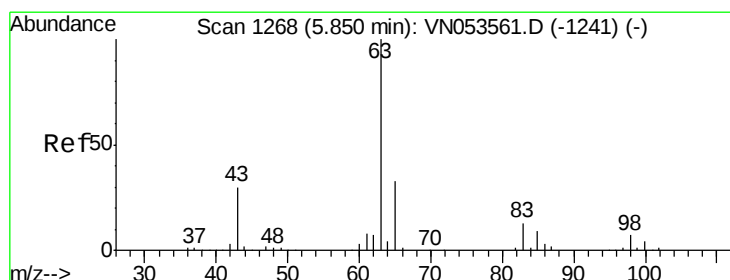
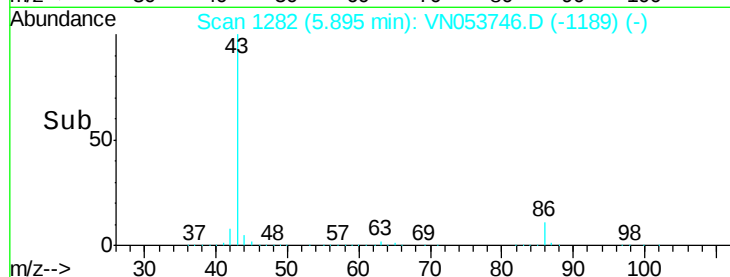
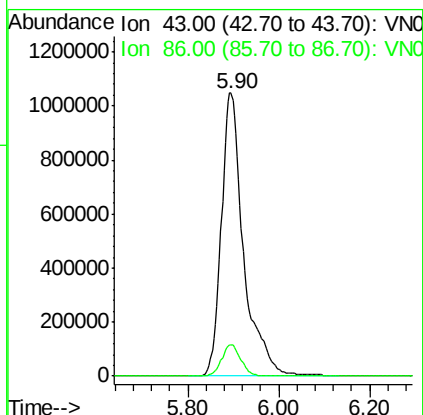
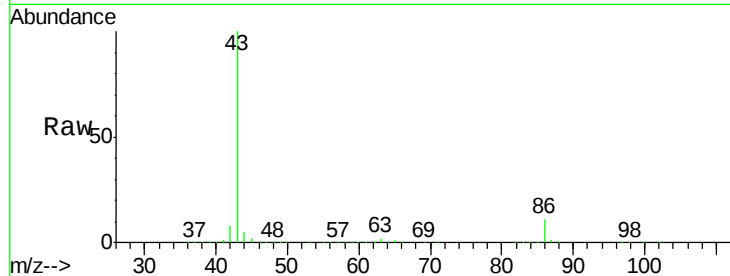




#23
 Vinyl Acetate
 Concen: 260.339 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

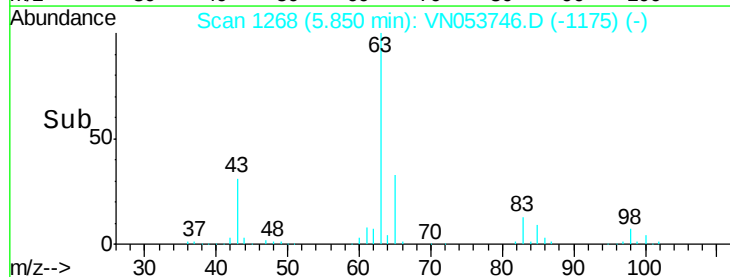
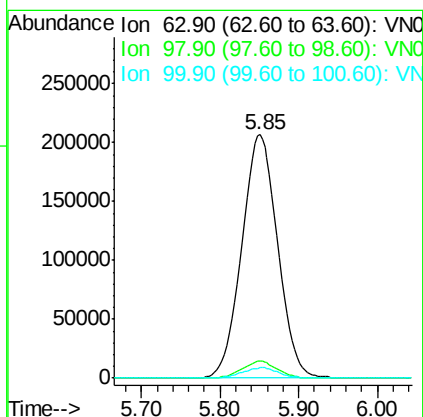
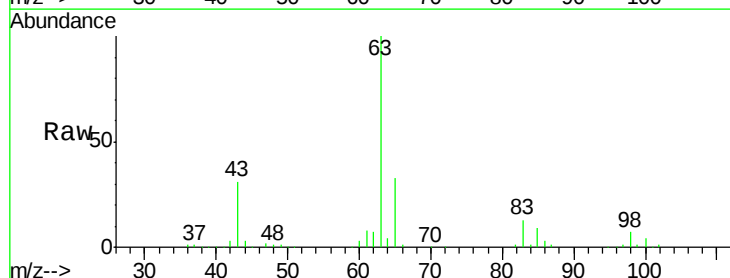
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

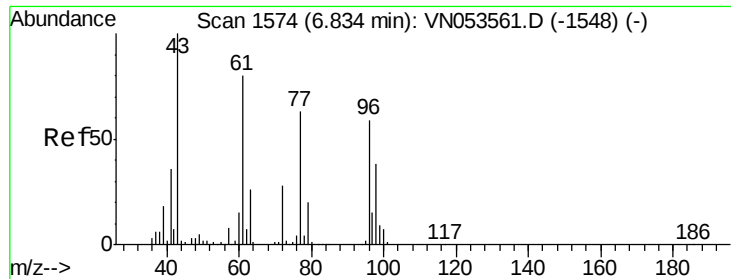
Tot Ion: 43 Resp: 3574717
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 50.160 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion: 63 Resp: 664063
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 277.291 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

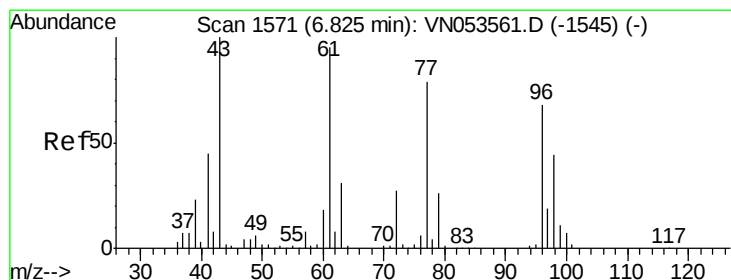
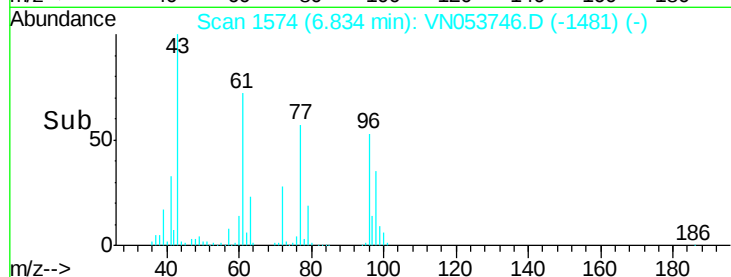
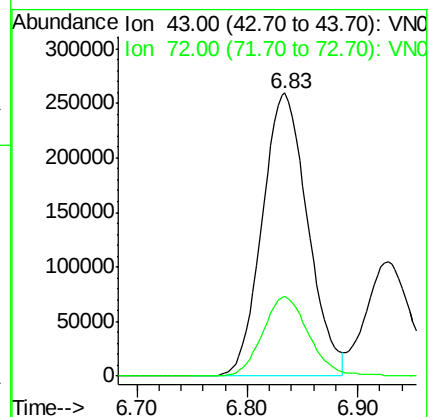
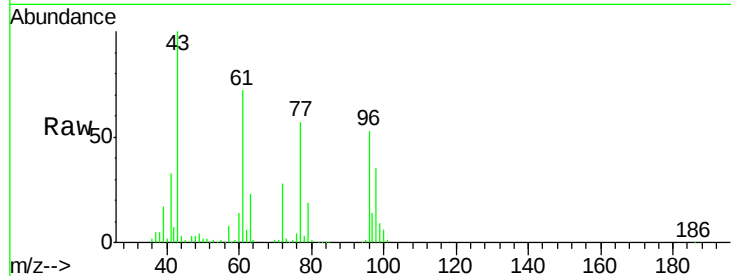
VSTDCCC050

Tot Ion: 43 Resp: 739350

Ion Ratio Lower Upper

43 100

72 28.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.651 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053746.D

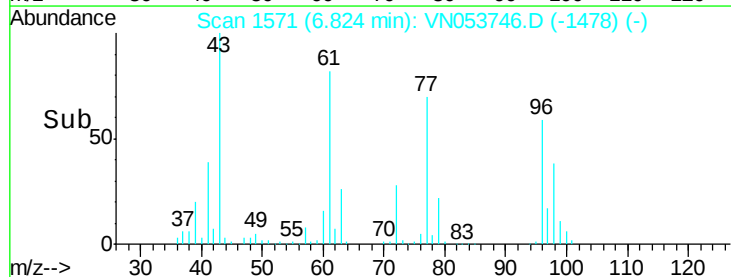
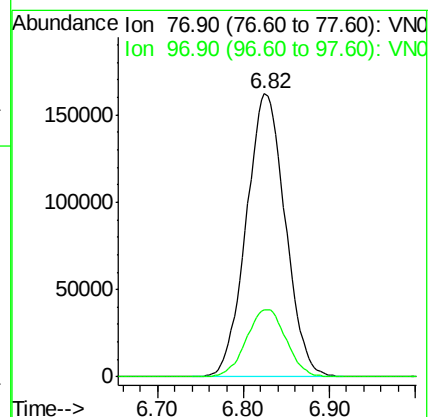
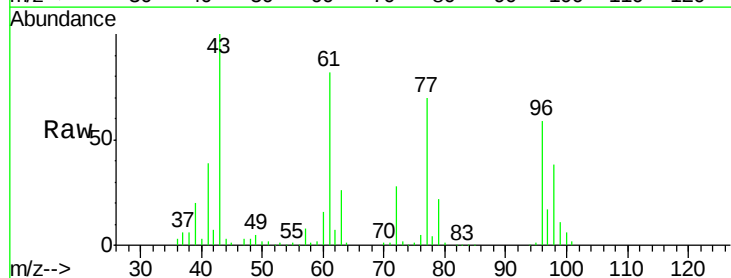
Acq: 13 Feb 2019 10:47

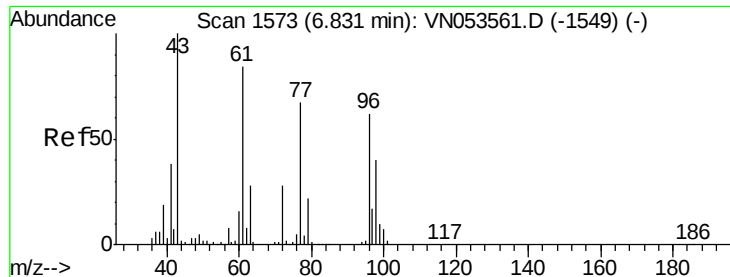
Tgt Ion: 77 Resp: 511883

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.258 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

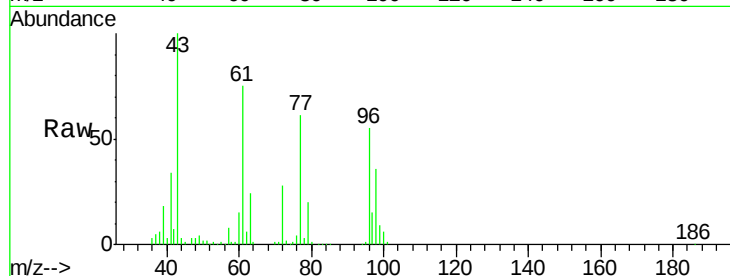
Tot Ion: 96 Resp: 413704

Ion Ratio Lower Upper

96 100

61 138.4 0.0 283.8

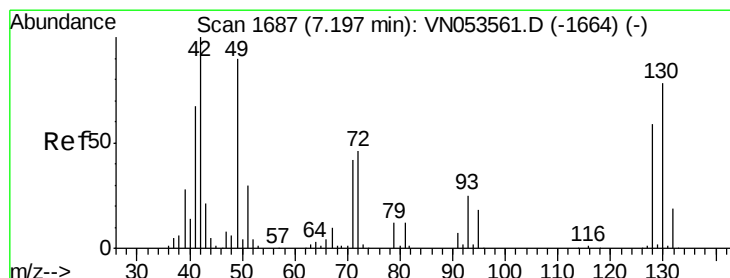
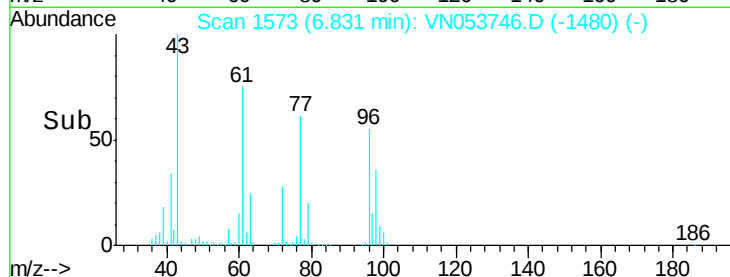
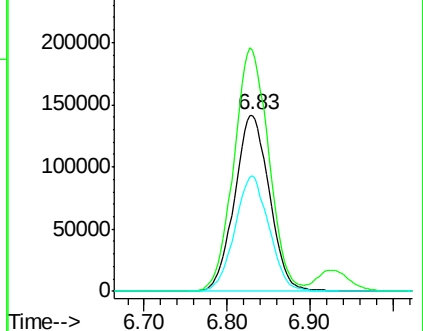
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053746.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053746.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053746.D (-1480) (-)



#28

Bromochloromethane

Concen: 50.102 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

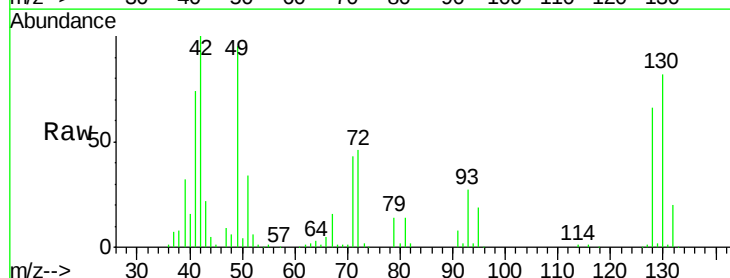
Tgt Ion: 49 Resp: 287841

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

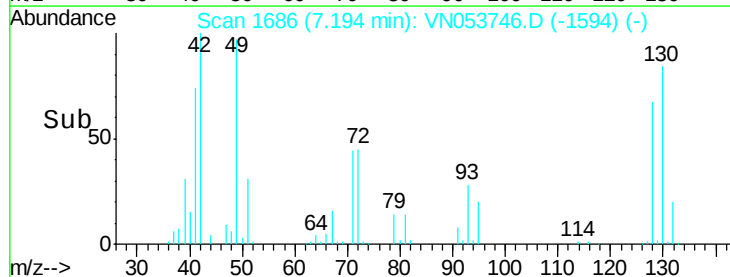
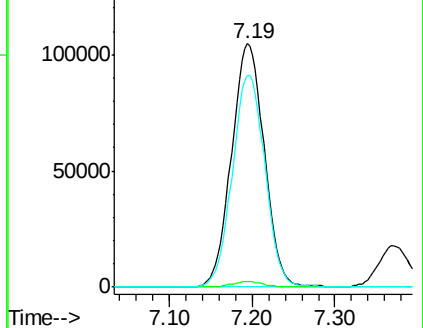
130 86.8 66.3 99.5

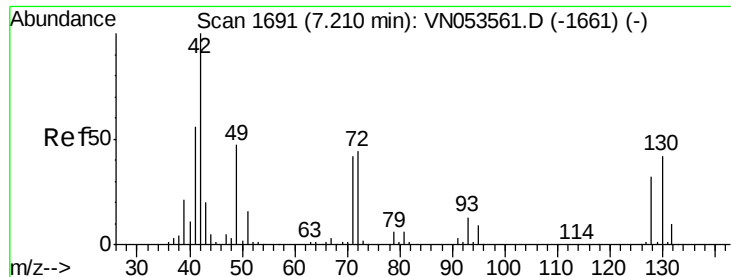


Abundance Ion 48.90 (48.60 to 49.60): VN053746.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053746.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053746.D (-1594) (-)

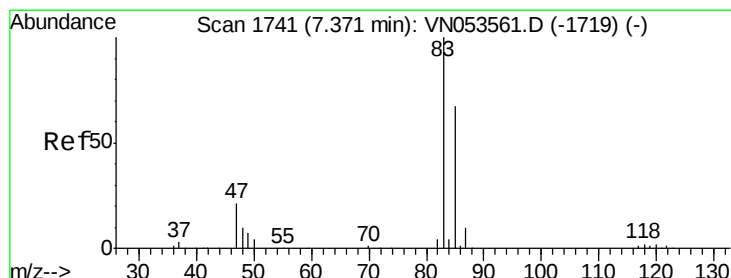
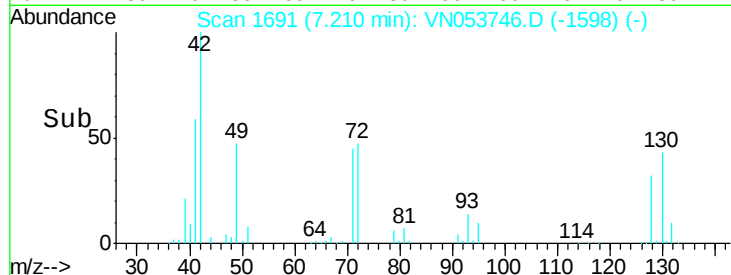
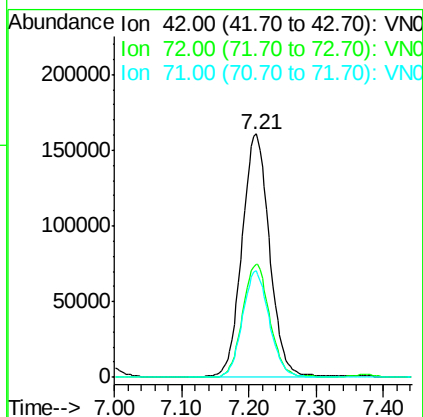
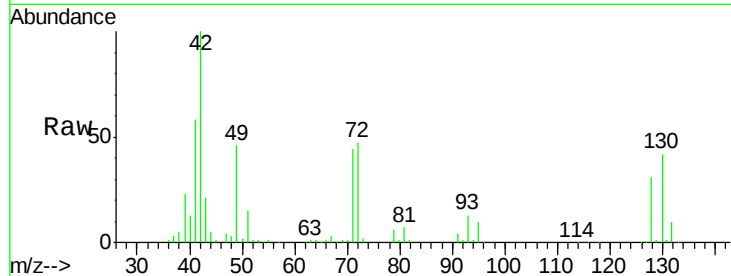




#29
Tetrahydrofuran
Concen: 269.273 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

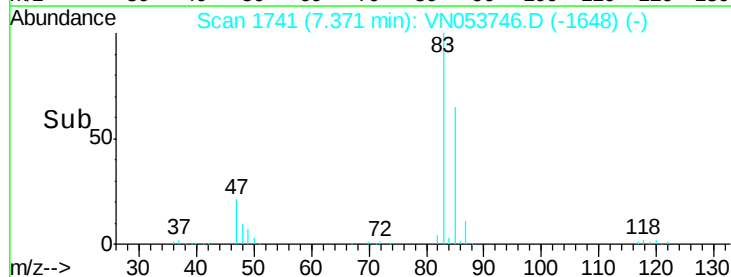
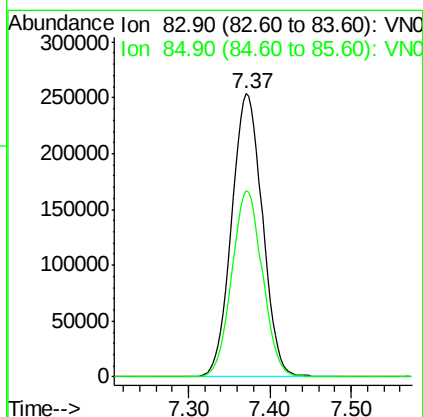
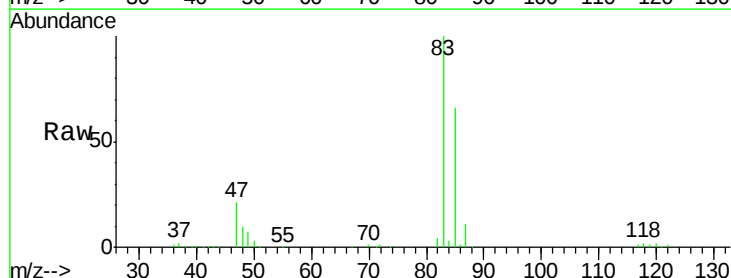
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

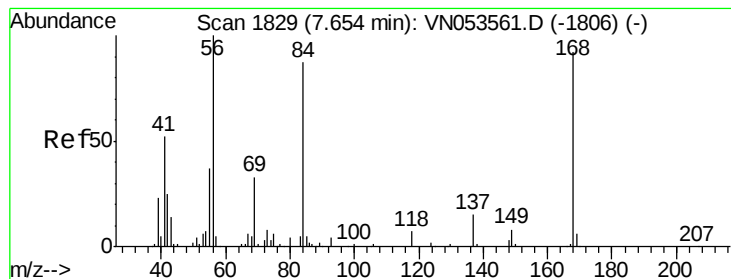
Tot Ion: 42 Resp: 461032
Ion Ratio Lower Upper
42 100
72 45.5 35.2 52.8
71 42.1 33.0 49.4



#30
Chloroform
Concen: 50.930 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 83 Resp: 668394
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.2





#31

Cyclohexane

Concen: 47.617 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

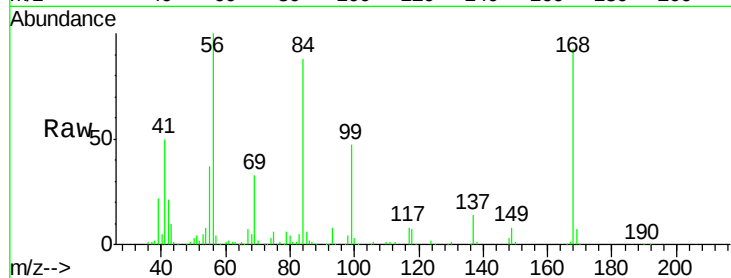
Tot Ion: 56 Resp: 587032

Ion Ratio Lower Upper

56 100

69 33.1 26.4 39.6

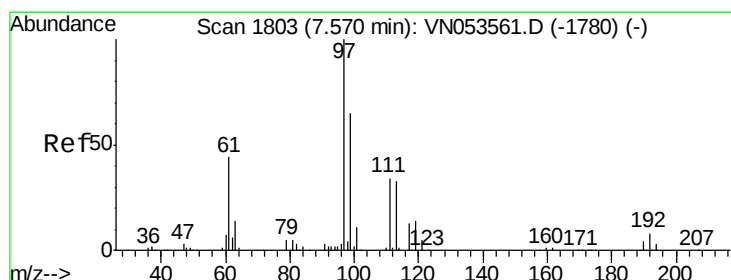
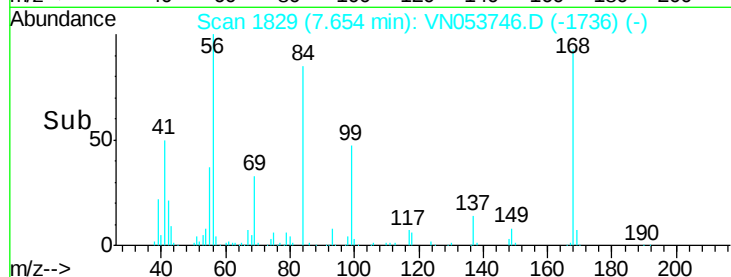
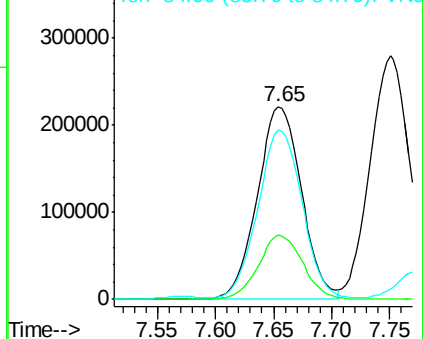
84 86.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN053746.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053746.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053746.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 51.922 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

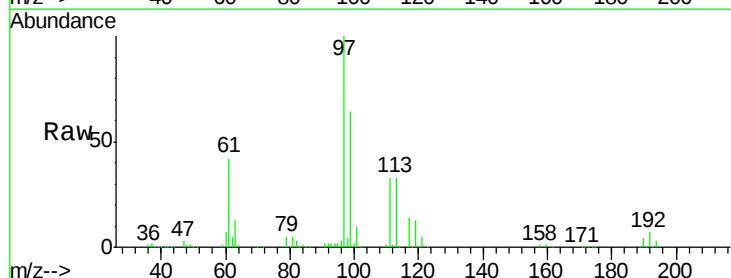
Tgt Ion: 97 Resp: 567074

Ion Ratio Lower Upper

97 100

99 63.5 52.0 78.0

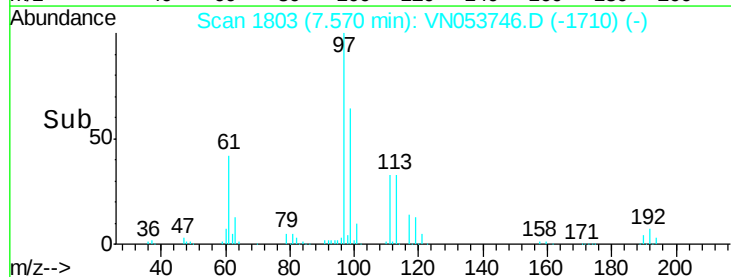
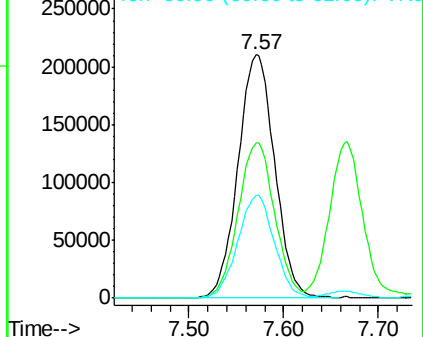
61 42.0 34.4 51.6

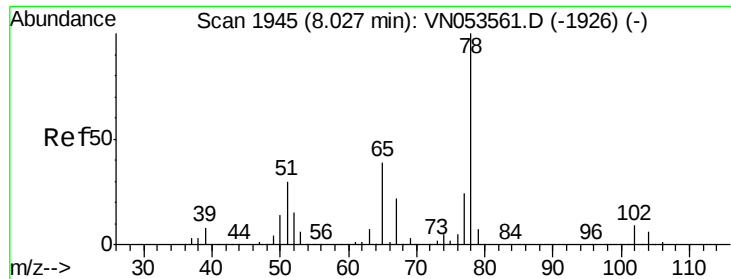


Abundance Ion 96.90 (96.60 to 97.60): VN053746.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053746.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053746.D (-1710) (-)

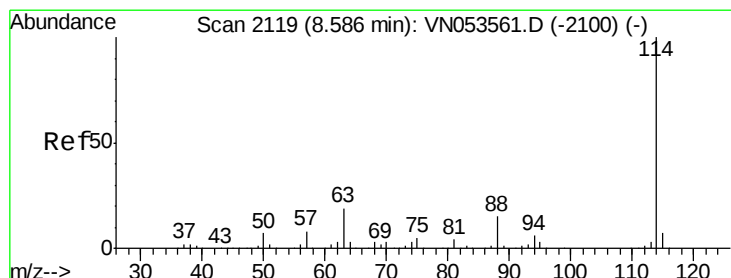
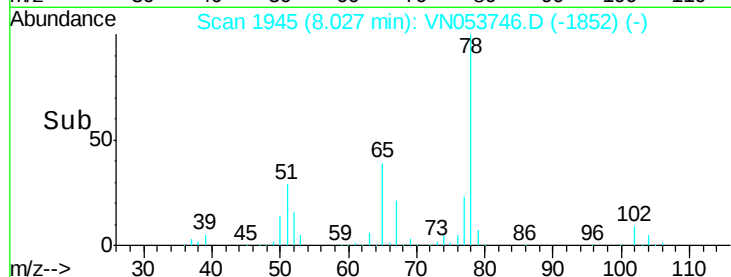
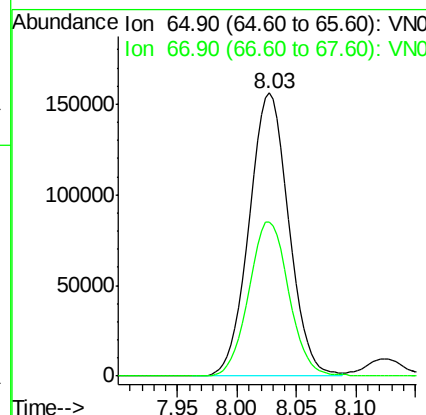
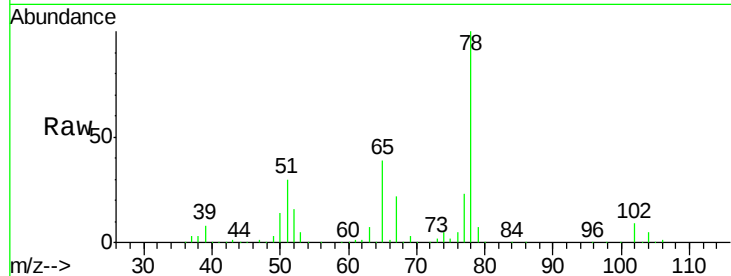




#33
 1,2-Dichloroethane-d4
 Concen: 49.443 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

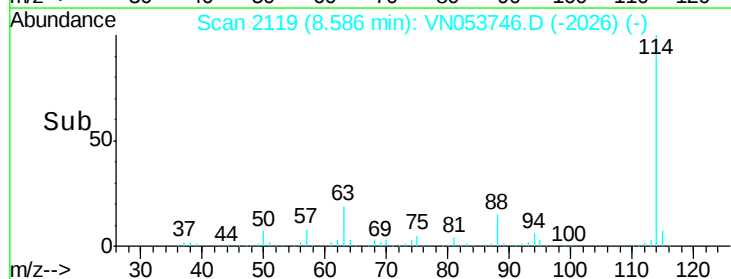
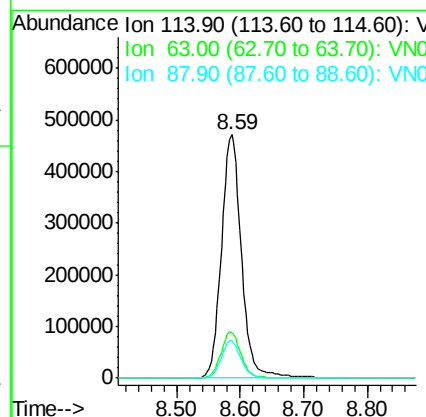
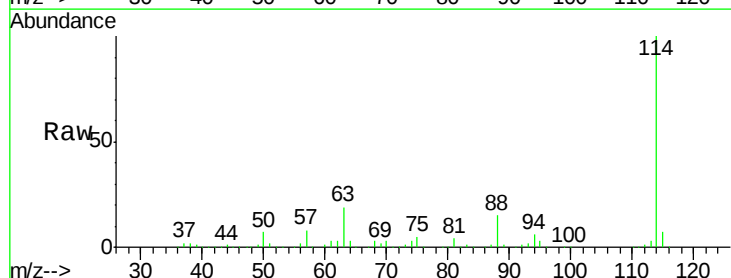
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

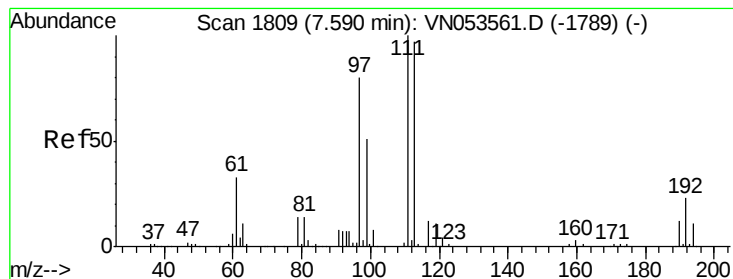
Tot Ion: 65 Resp: 360366
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion: 114 Resp: 1029454
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.254 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

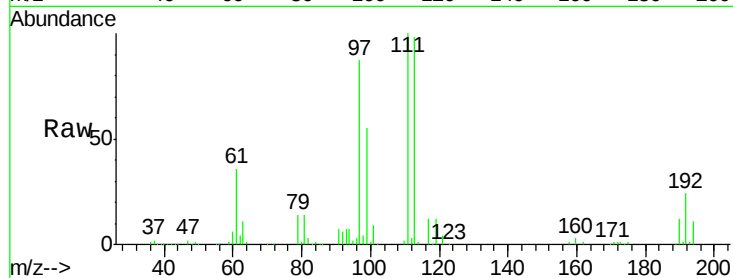
Tot Ion:113 Resp: 346405

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

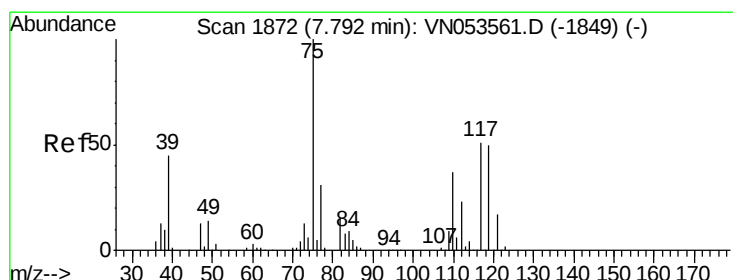
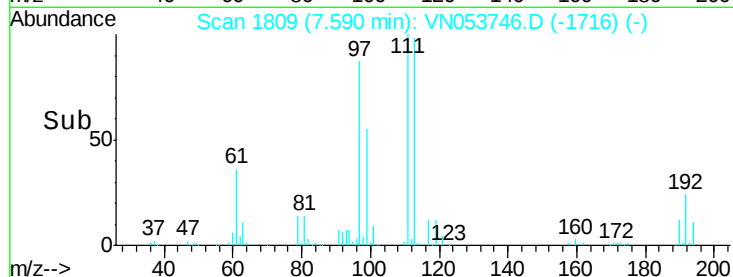
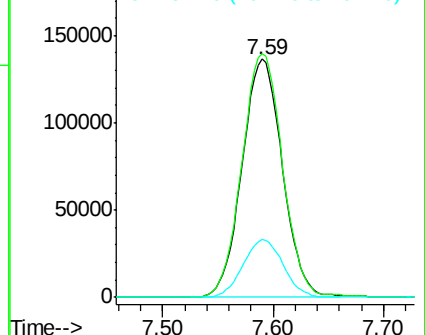
192 24.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.218 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

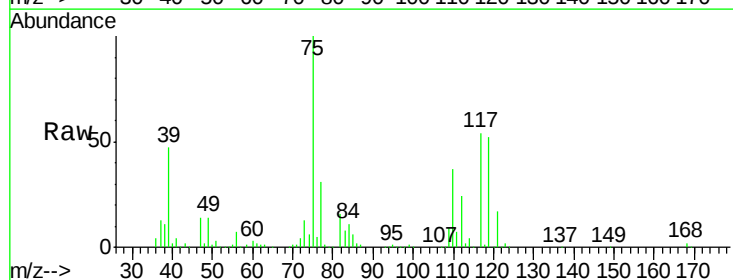
Tgt Ion: 75 Resp: 512422

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.3

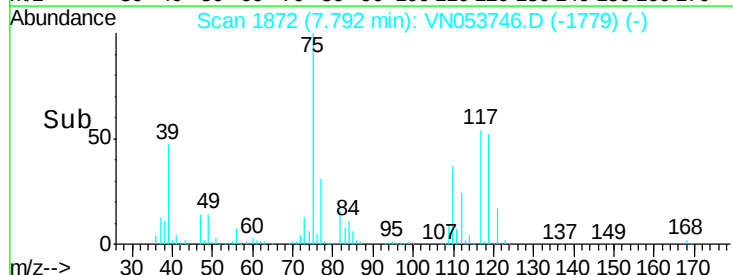
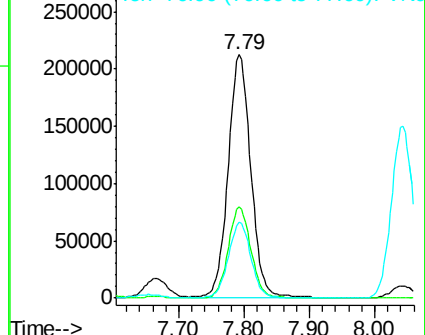
77 31.1 25.1 37.7

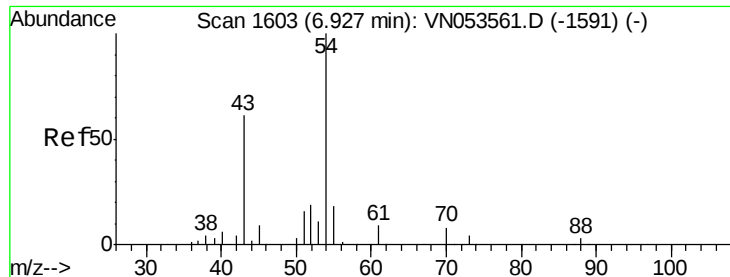


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

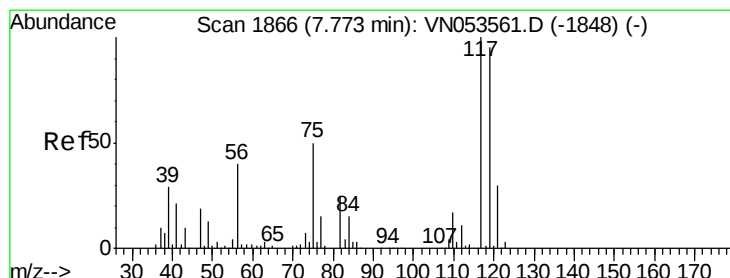
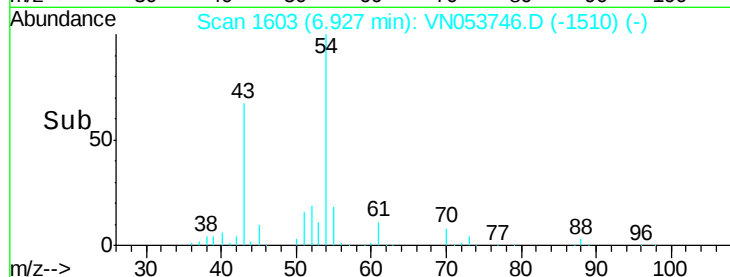
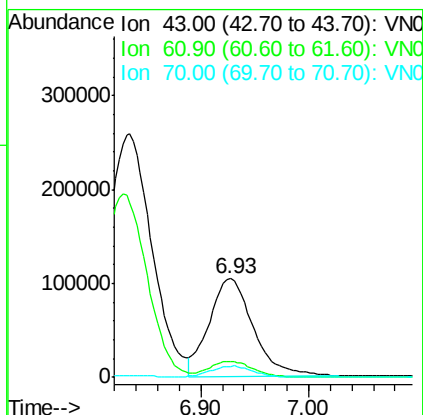
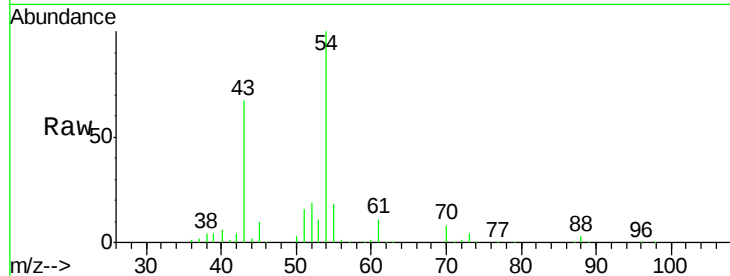




#37
Ethyl Acetate
Concen: 56.929 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

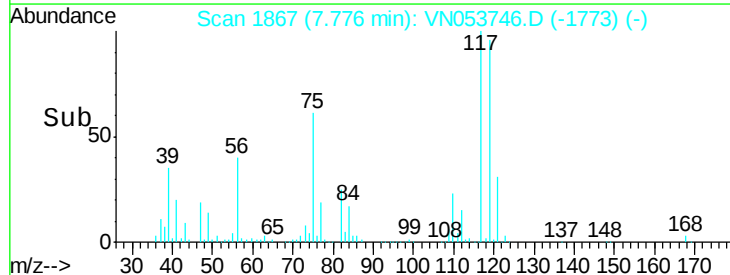
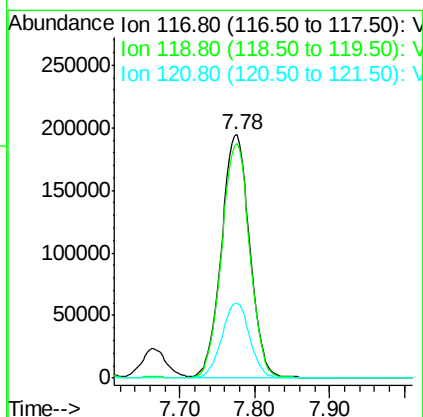
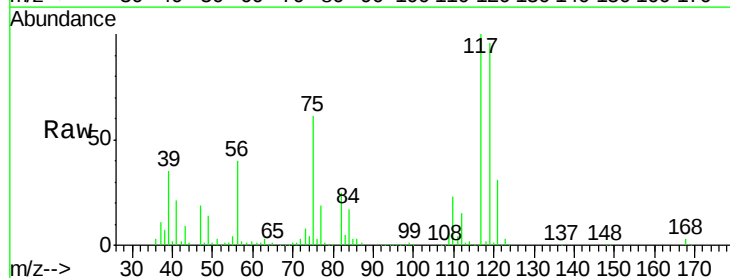
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

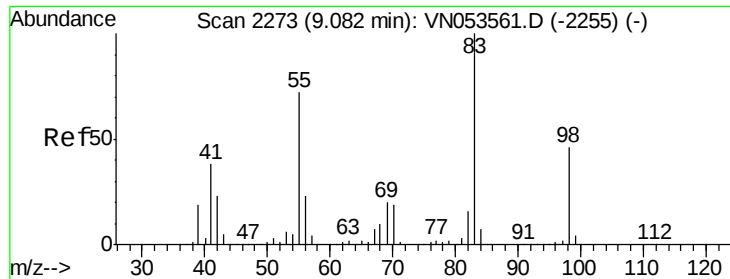
Tot Ion: 43 Resp: 295053
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 54.488 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 117 Resp: 509378
Ion Ratio Lower Upper
117 100
119 96.3 77.2 115.8
121 30.8 24.6 37.0

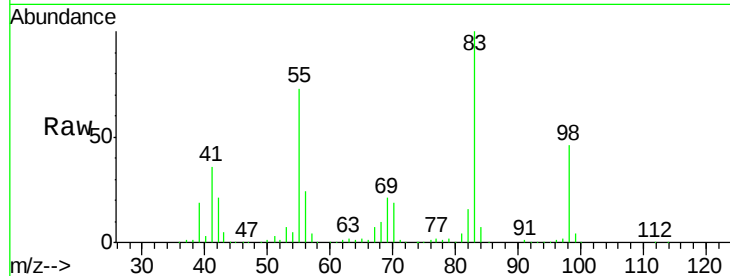




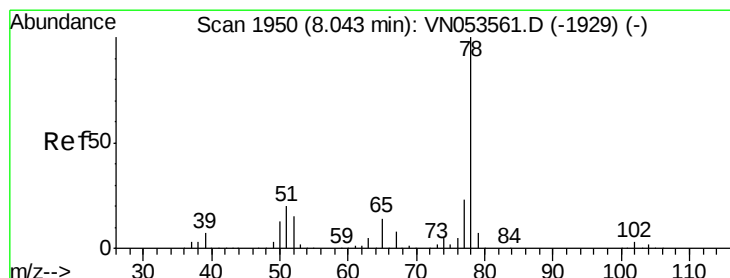
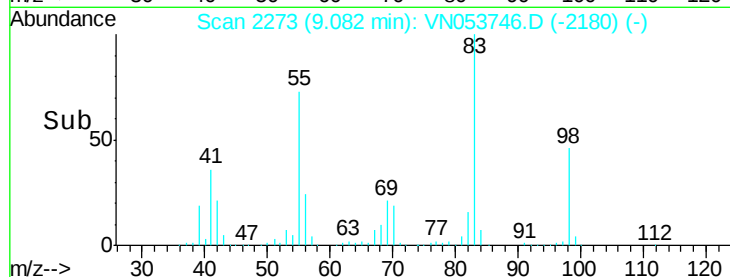
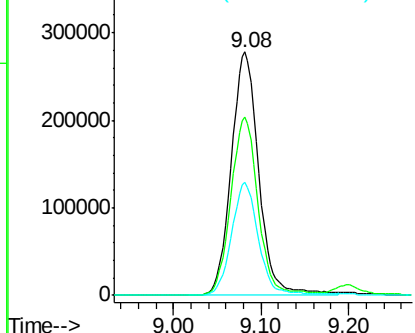
#39
Methvlcvclohexane
Concen: 55.280 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 608614
Ion Ratio Lower Upper
83 100
55 73.3 60.1 90.1
98 46.3 36.6 55.0

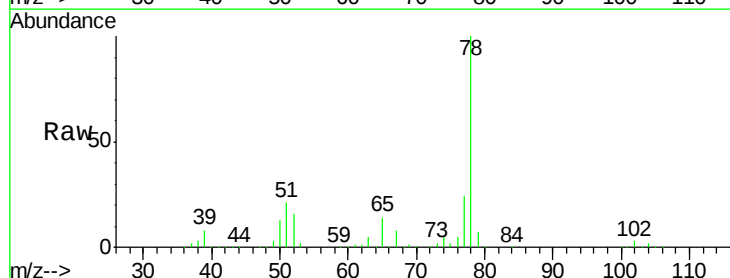


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

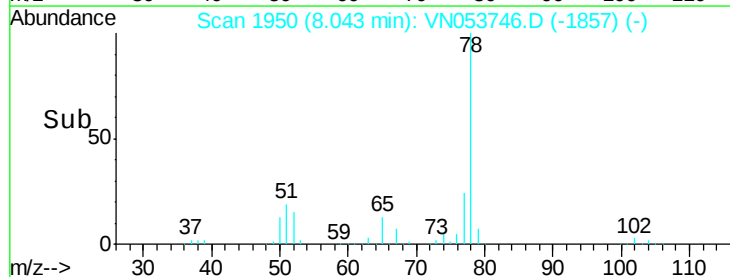
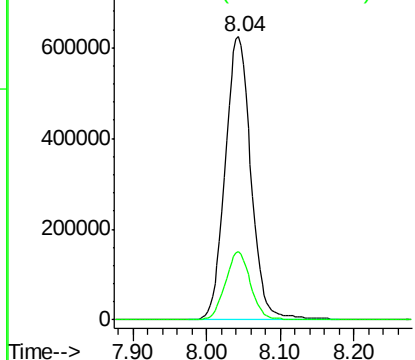


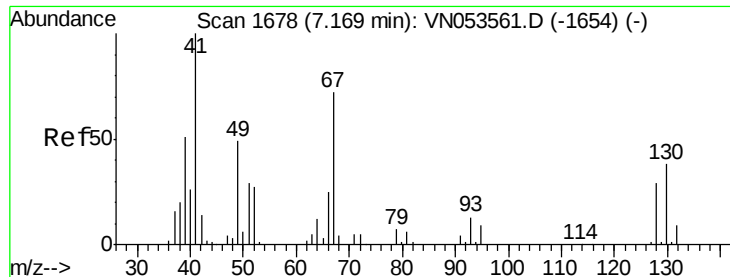
#40
Benzene
Concen: 53.076 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 78 Resp: 1518858
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

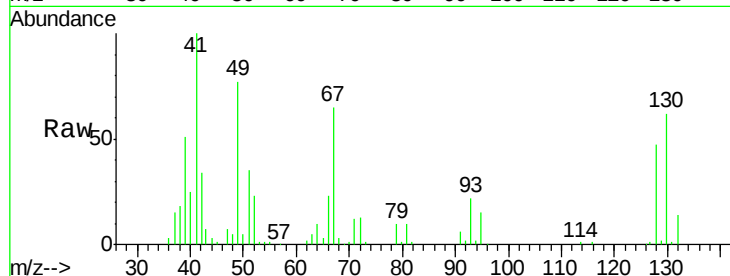




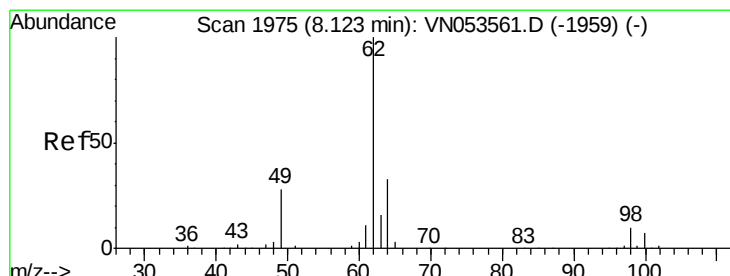
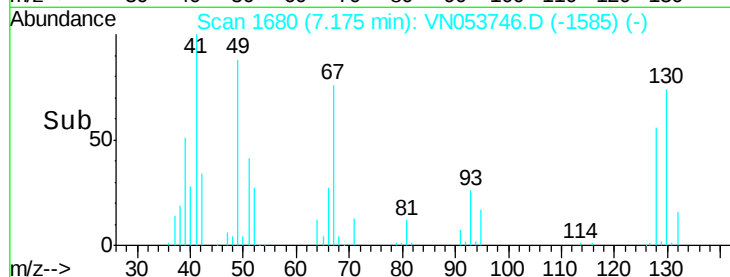
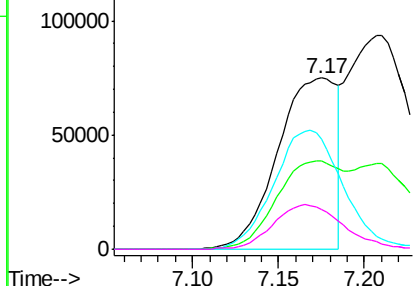
#41
Methacrylonitrile
Concen: 61.950 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 179449
Ion Ratio Lower Upper
41 100
39 59.0 46.8 70.2
67 82.1 63.0 94.6
52 30.2 23.8 35.8

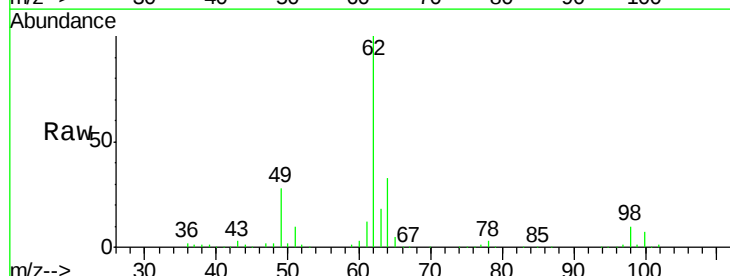


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

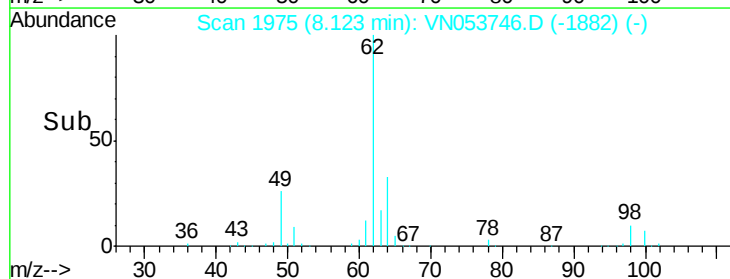
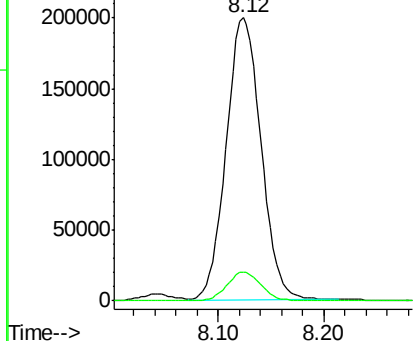


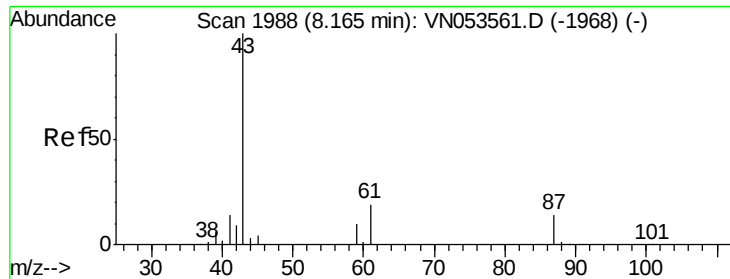
#42
1,2-Dichloroethane
Concen: 53.713 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 62 Resp: 456399
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 53.222 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

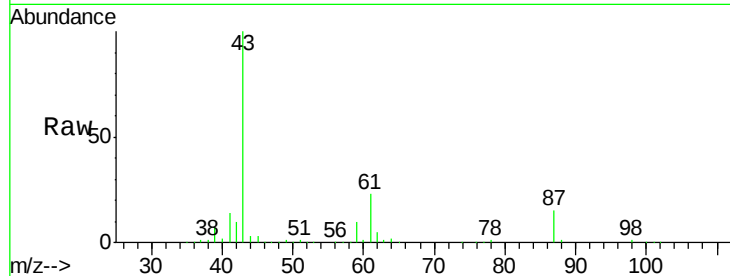
Tot Ion: 43 Resp: 532706

Ion Ratio Lower Upper

43 100

61 29.8 23.9 35.9

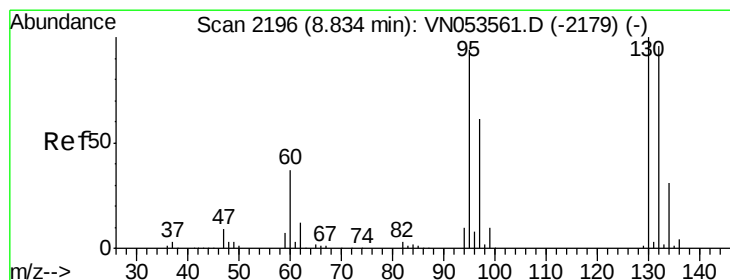
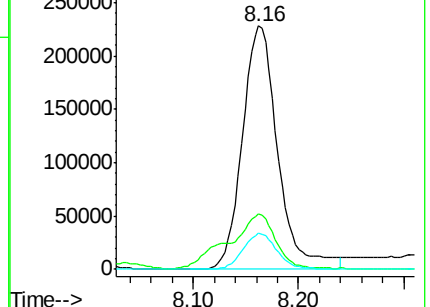
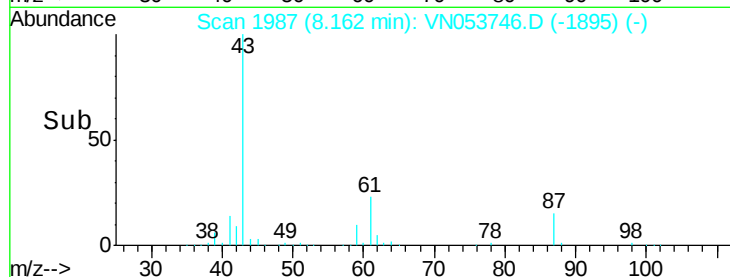
87 14.4 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053746.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN053746.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053746.D (-1895) (-)



#44

Trichloroethene

Concen: 53.319 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053746.D

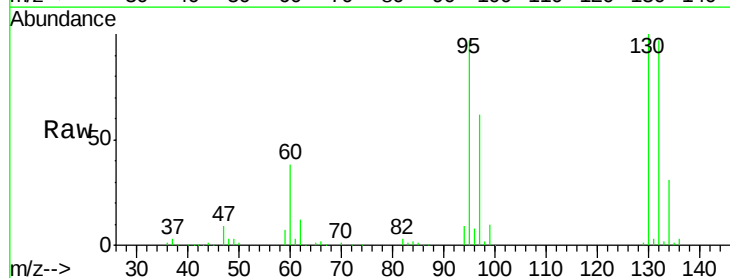
Acq: 13 Feb 2019 10:47

Tgt Ion:130 Resp: 434393

Ion Ratio Lower Upper

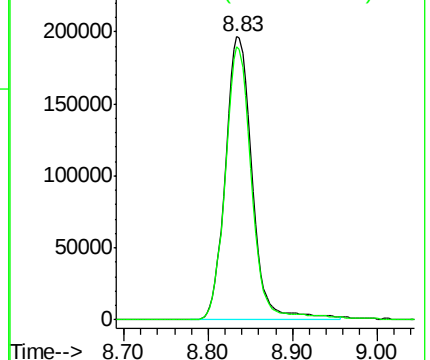
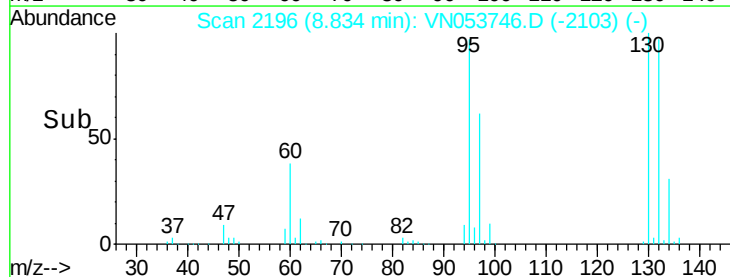
130 100

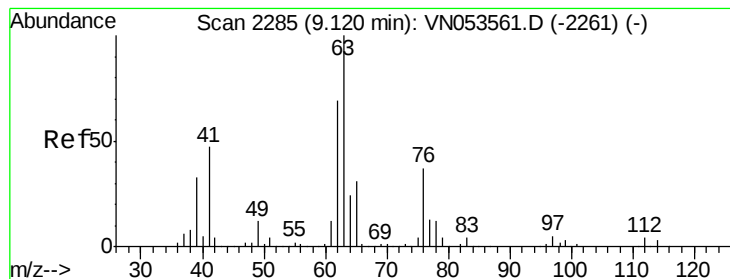
95 96.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053746.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053746.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 55.071 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

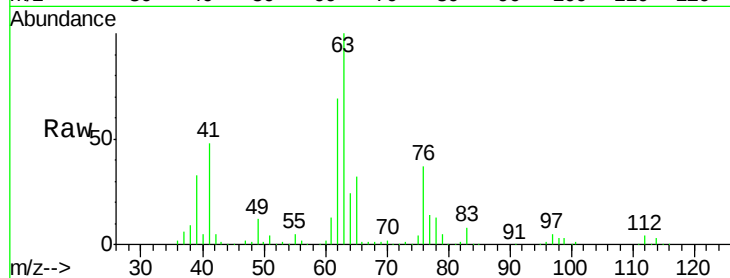
VSTDCCC050

Tot Ion: 63 Resp: 403086

Ion Ratio Lower Upper

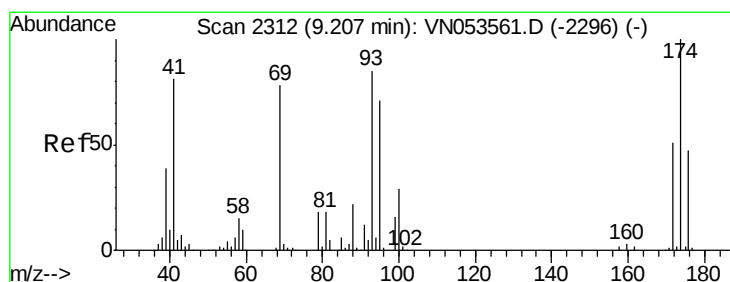
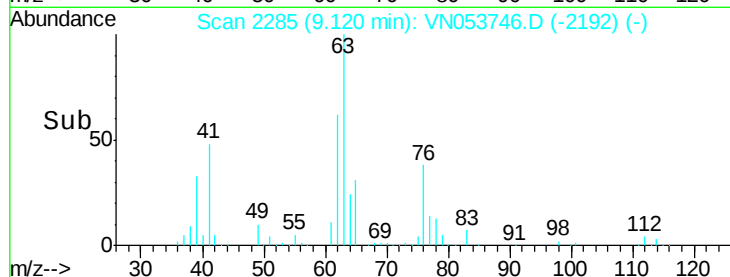
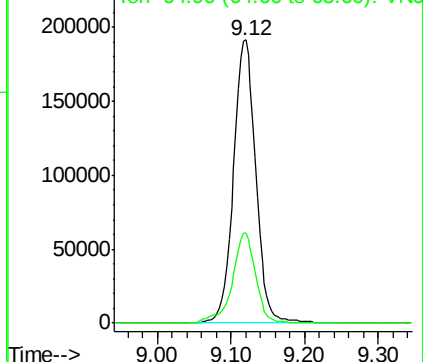
63 100

65 31.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 54.122 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

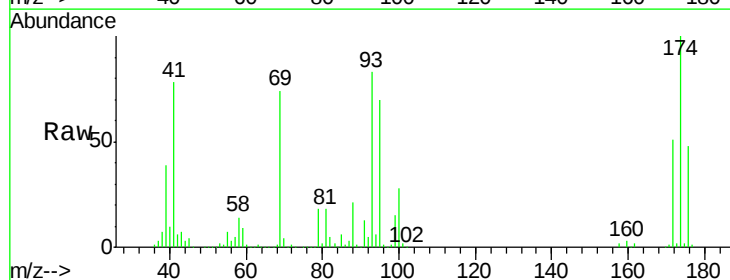
Tgt Ion: 93 Resp: 238799

Ion Ratio Lower Upper

93 100

95 84.7 67.3 100.9

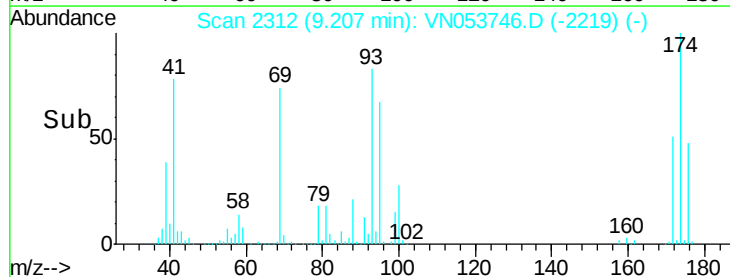
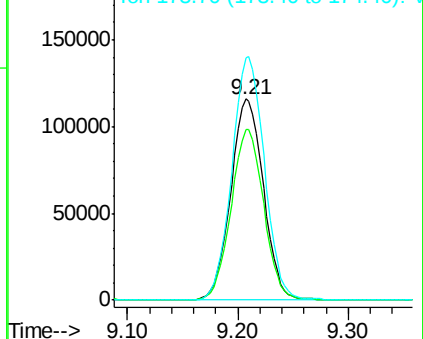
174 120.5 91.0 136.4

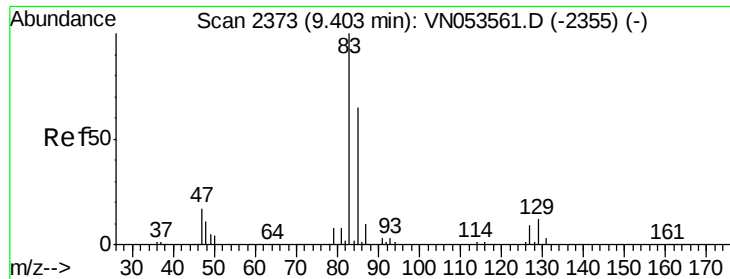


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

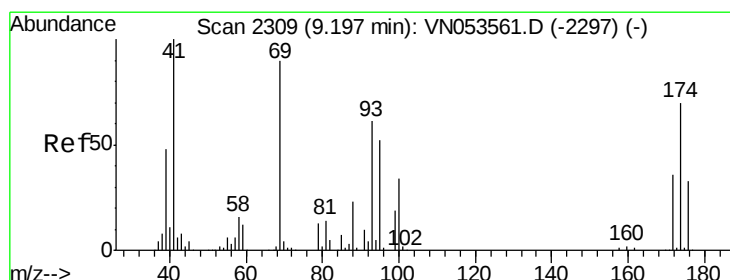
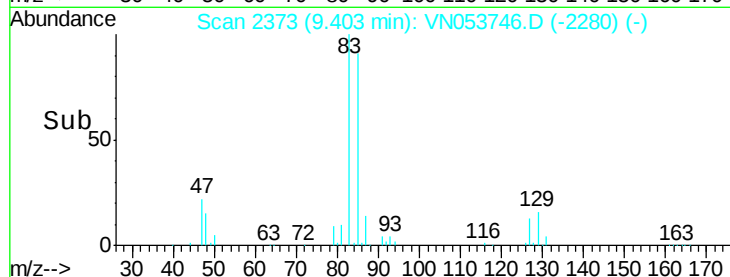
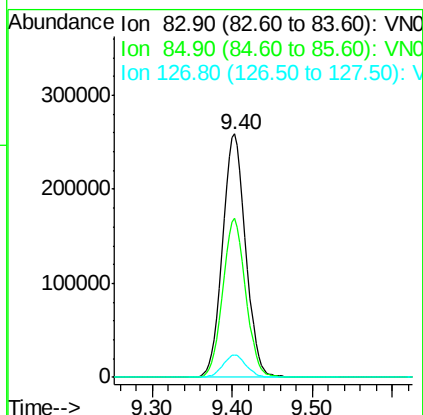
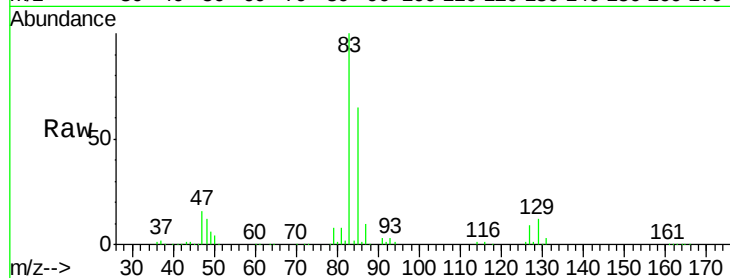




#47
Bromodichloromethane
Concen: 56.048 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

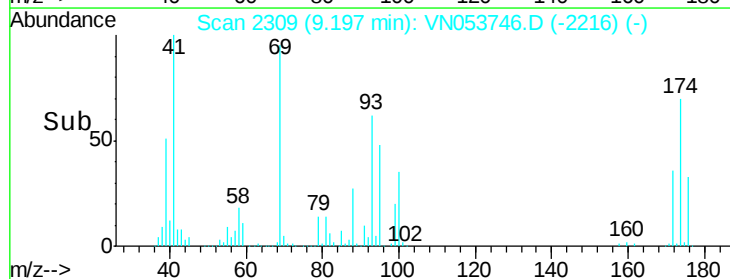
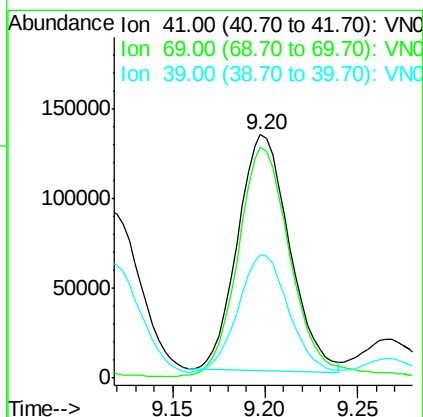
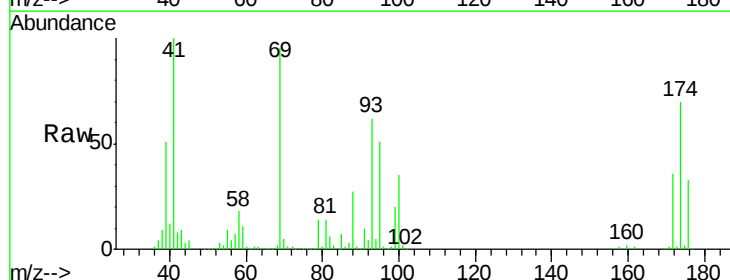
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

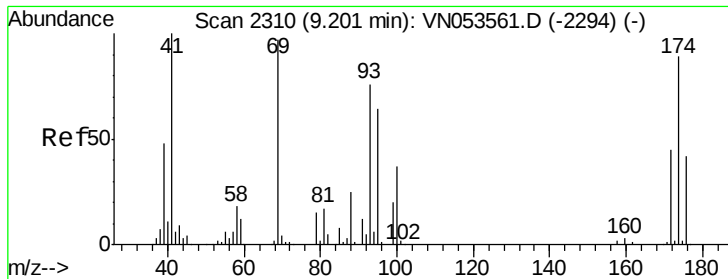
Tot Ion: 83 Resp: 514182
Ion Ratio Lower Upper
83 100
85 65.1 51.0 76.6
127 9.4 7.0 10.6



#48
Methyl methacrylate
Concen: 53.266 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 41 Resp: 254496
Ion Ratio Lower Upper
41 100
69 102.7 73.8 110.6
39 53.5 40.0 60.0





#49

1,4-Dioxane

Concen: 1104.216 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

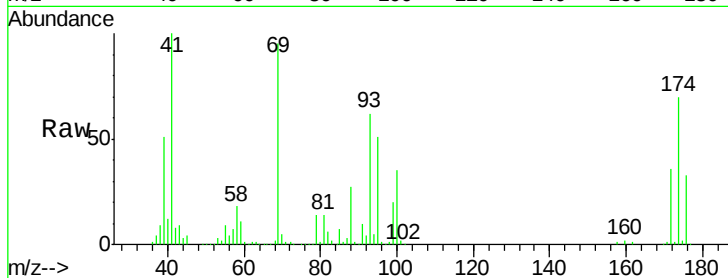
Tot Ion: 88 Resp: 76739

Ion Ratio Lower Upper

88 100

43 29.1 27.8 41.6

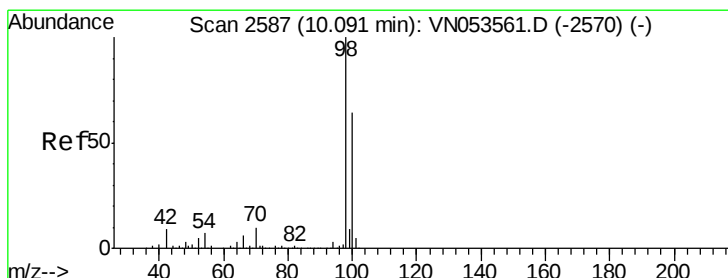
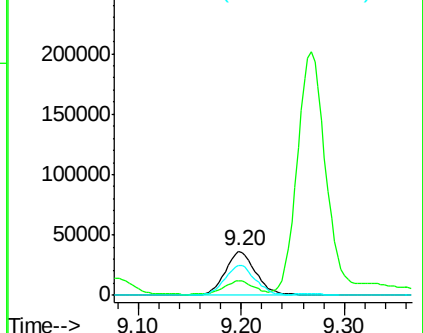
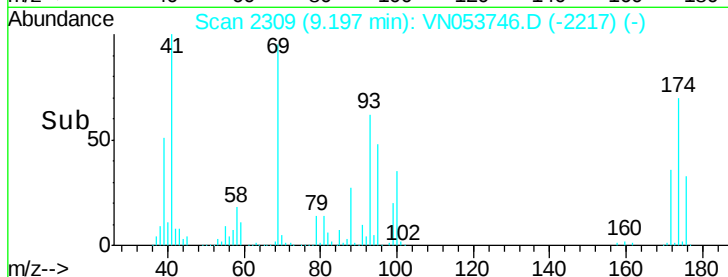
58 67.0 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053746.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN053746.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053746.D (-2217) (-)



#50

Toluene-d8

Concen: 52.628 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053746.D

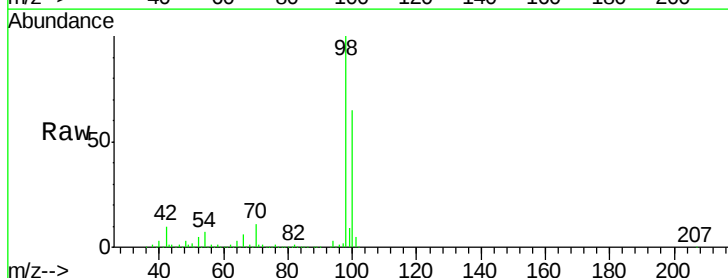
Acq: 13 Feb 2019 10:47

Tgt Ion: 98 Resp: 1285410

Ion Ratio Lower Upper

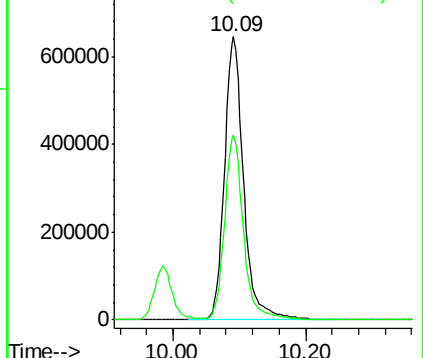
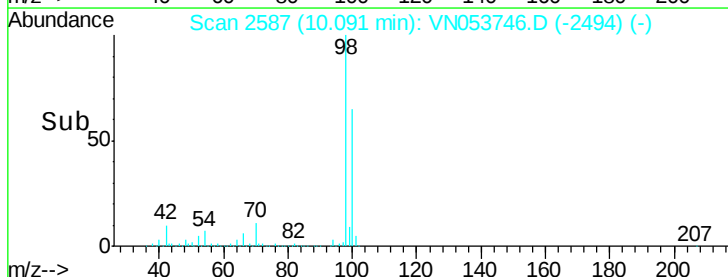
98 100

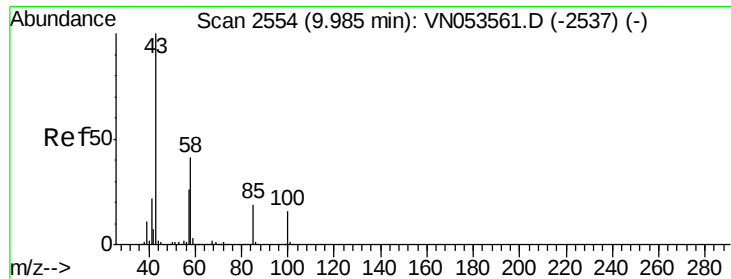
100 65.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053746.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053746.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 295.513 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

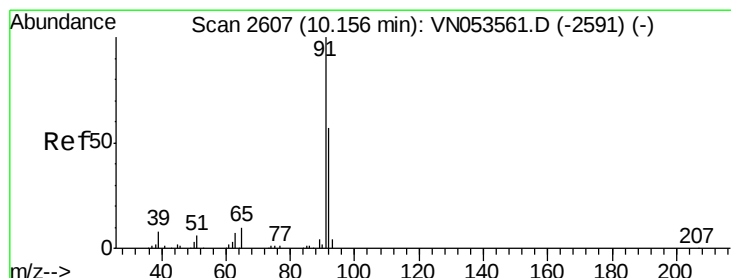
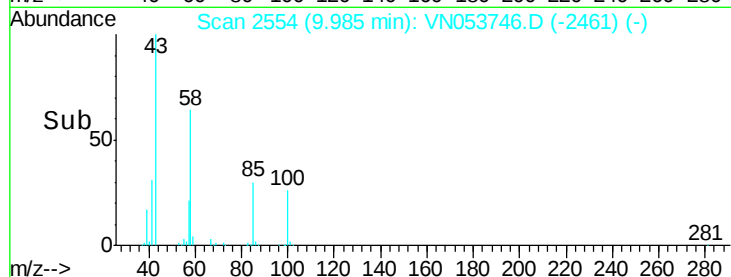
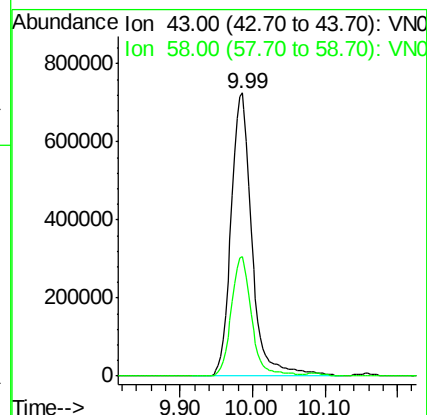
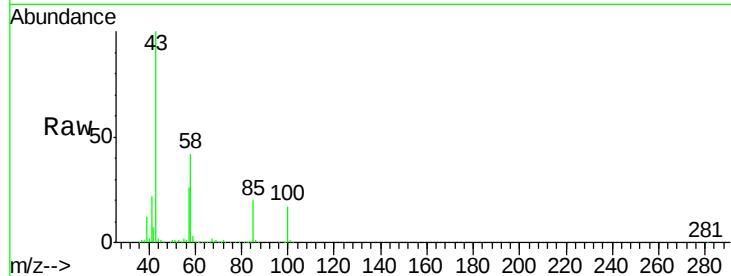
VSTDCCC050

Tot Ion: 43 Resp: 1453492

Ion Ratio Lower Upper

43 100

58 41.2 32.8 49.2



#52

Toluene

Concen: 55.149 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053746.D

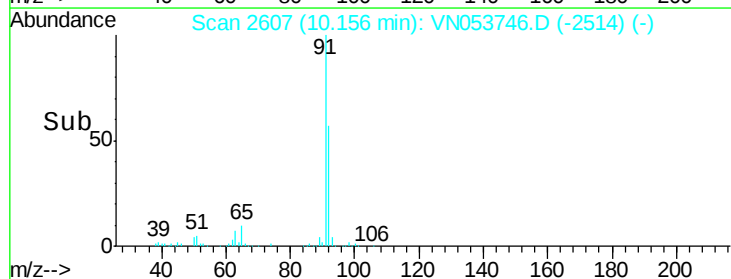
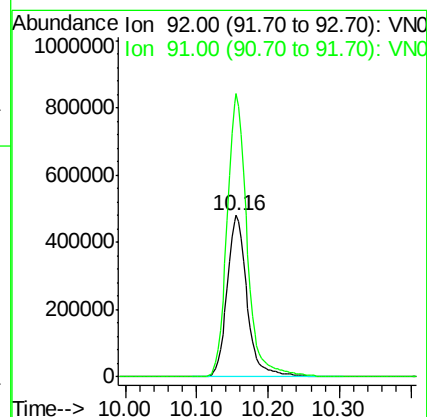
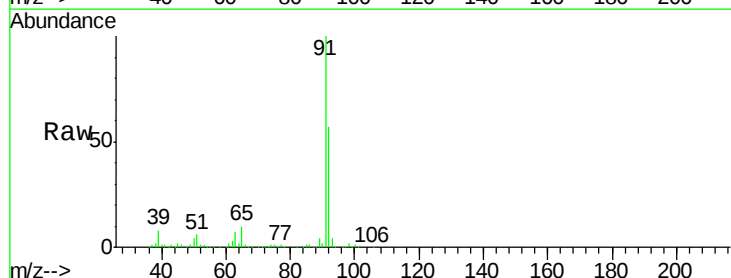
Acq: 13 Feb 2019 10:47

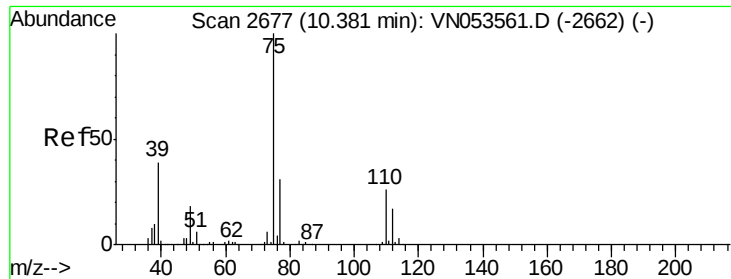
Tgt Ion: 92 Resp: 936650

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 56.398 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

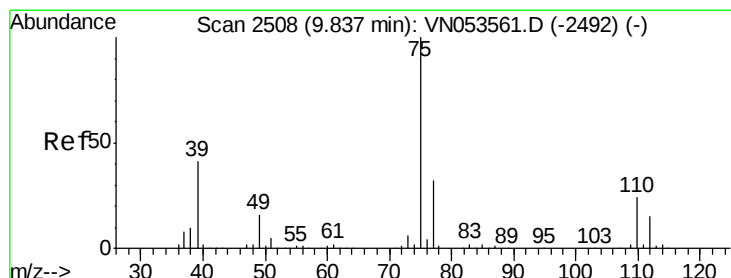
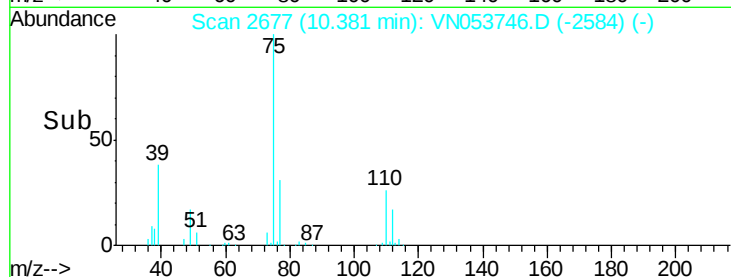
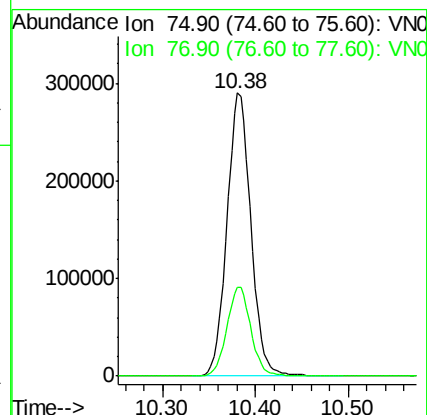
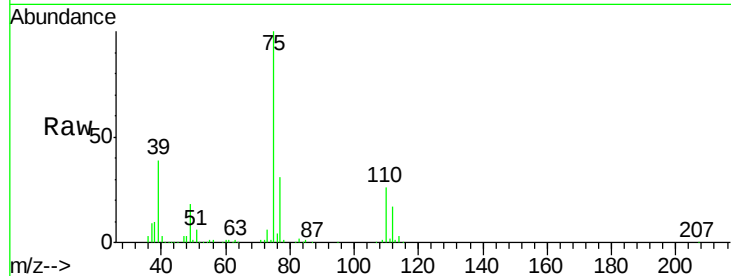
VSTDCCC050

Tot Ion: 75 Resp: 518092

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 55.462 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

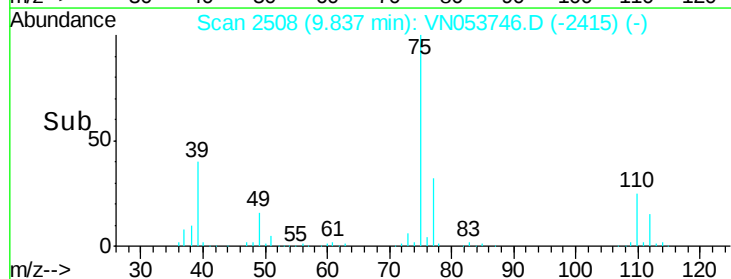
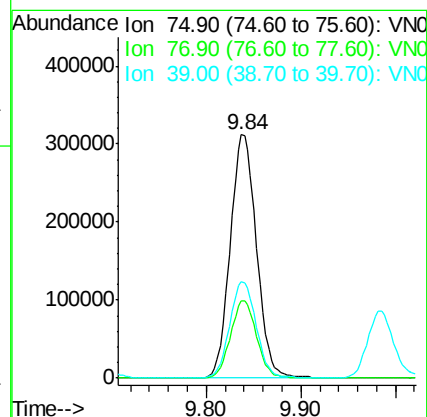
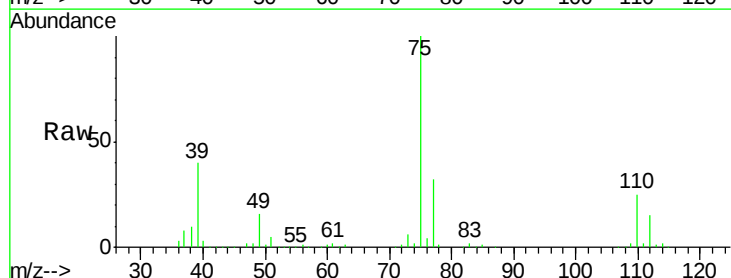
Tgt Ion: 75 Resp: 603748

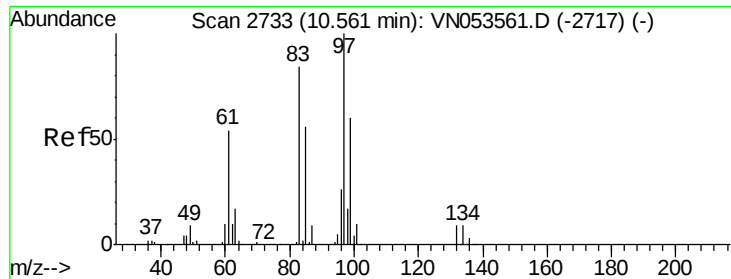
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 39.6 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 58.013 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 97 Resp: 355040

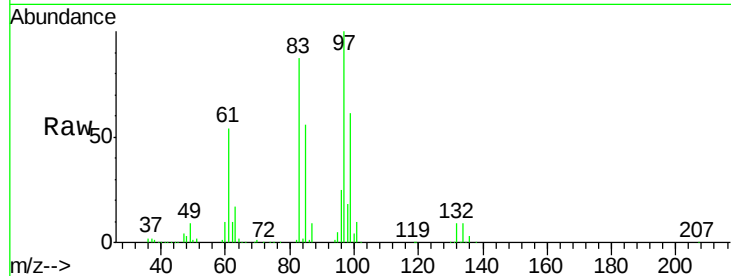
Ion Ratio Lower Upper

97 100

83 87.5 70.1 105.1

85 55.6 45.4 68.0

99 61.3 49.8 74.8

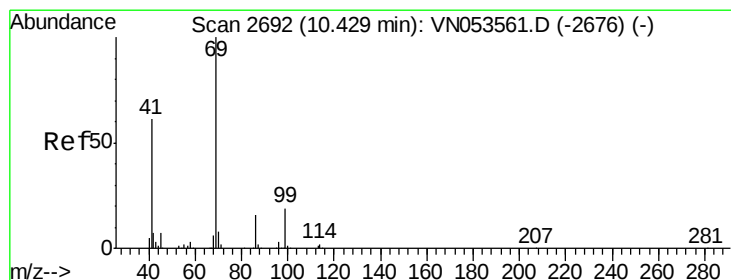
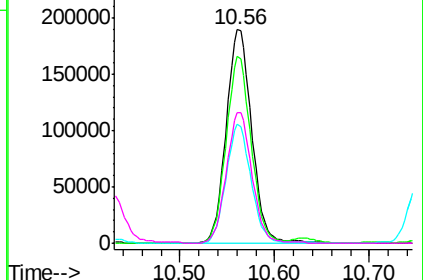
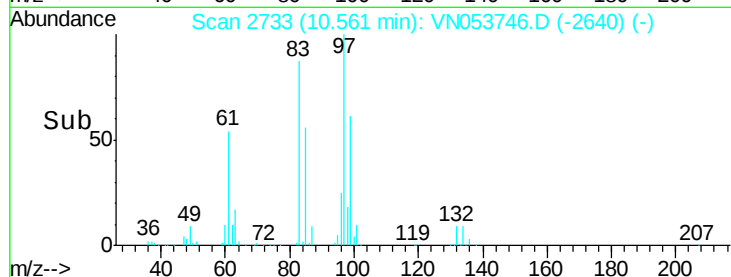


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 57.974 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

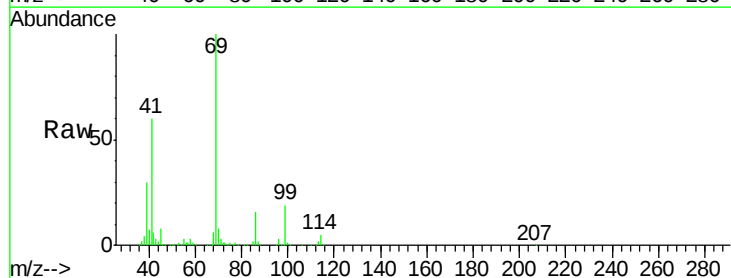
Tgt Ion: 69 Resp: 419732

Ion Ratio Lower Upper

69 100

41 59.9 49.4 74.0

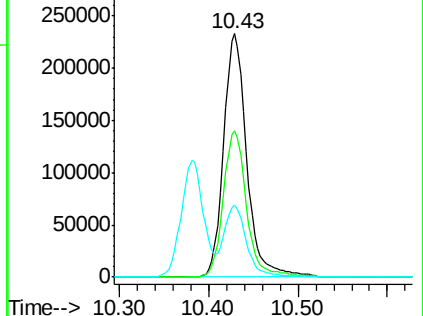
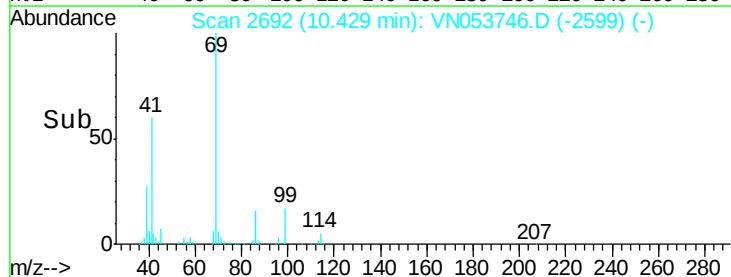
39 28.9 23.3 34.9

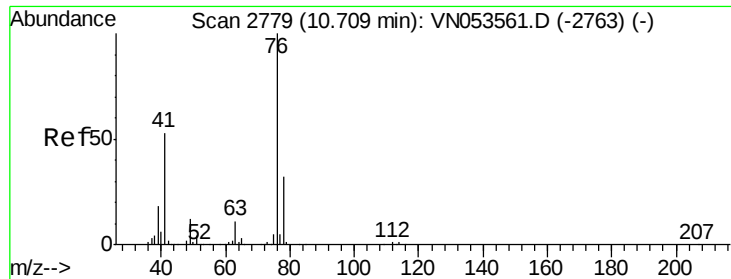


Abundance Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#57

1,3-Dichloropropane

Concen: 55.354 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

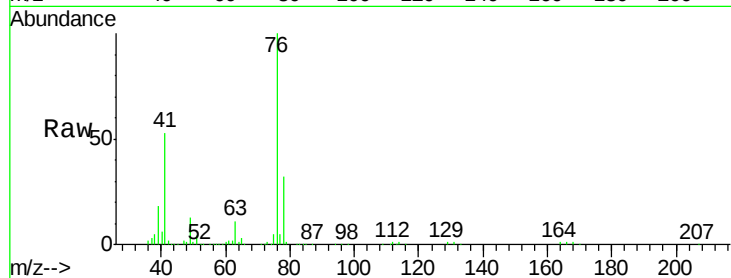
VSTDCCC050

Tot Ion: 76 Resp: 578975

Ion Ratio Lower Upper

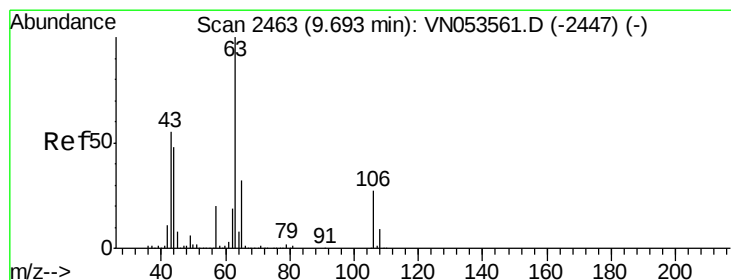
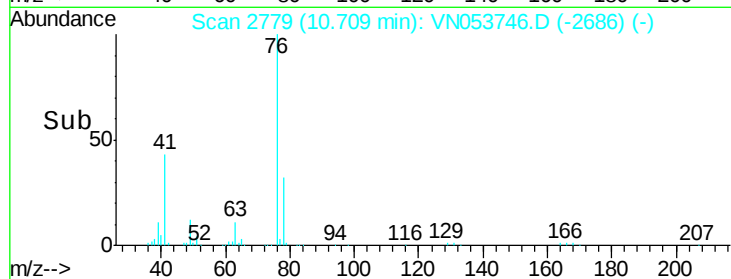
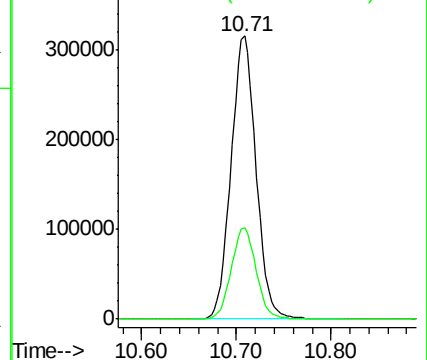
76 100

78 32.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 222.354 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053746.D

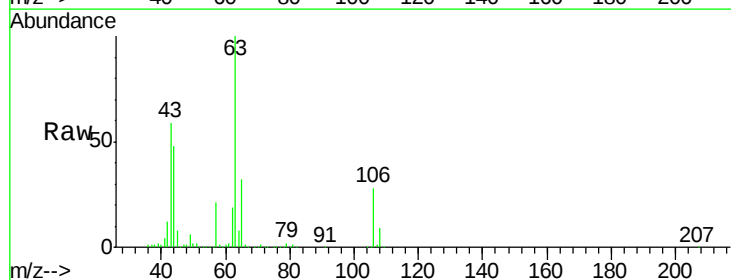
Acq: 13 Feb 2019 10:47

Tgt Ion: 63 Resp: 994270

Ion Ratio Lower Upper

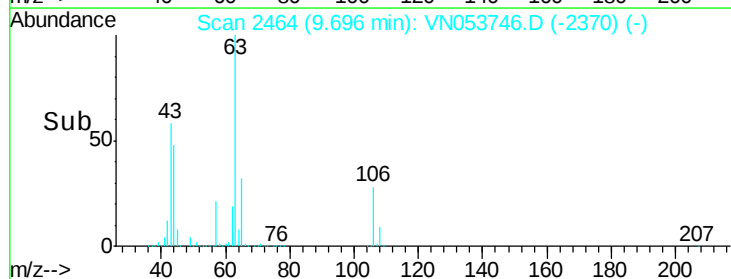
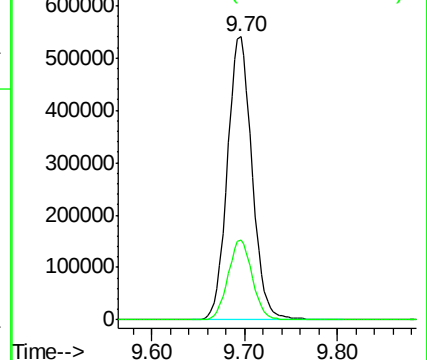
63 100

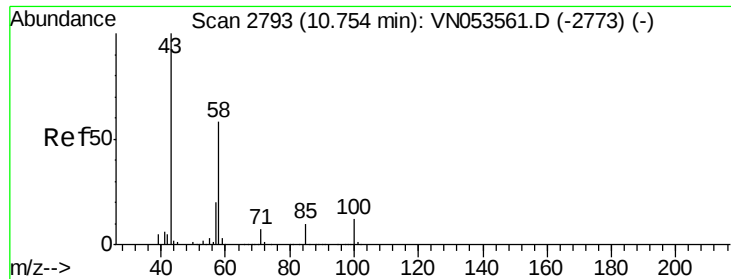
106 27.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

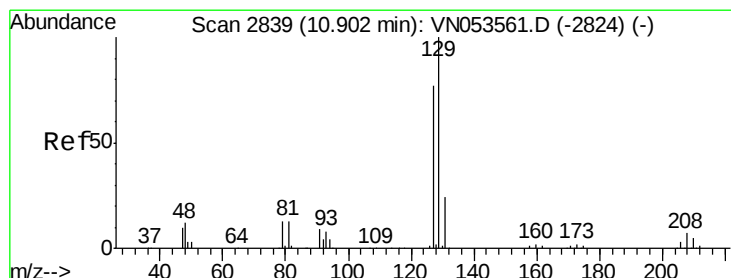
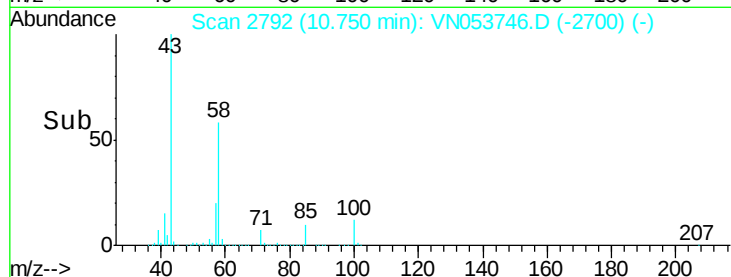
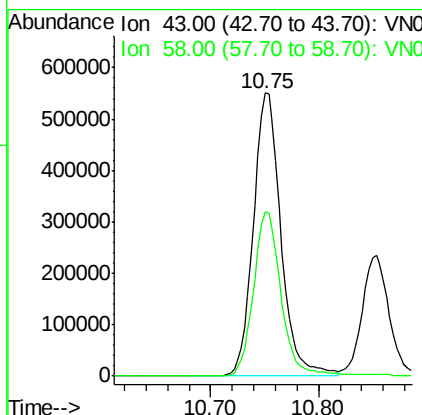
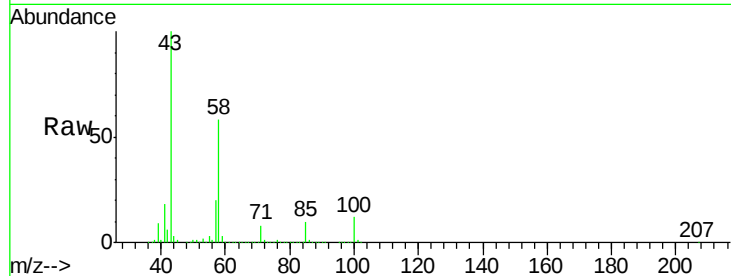




#59
2-Hexanone
Concen: 291.560 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

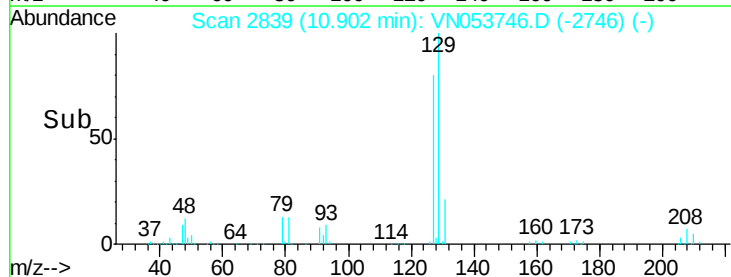
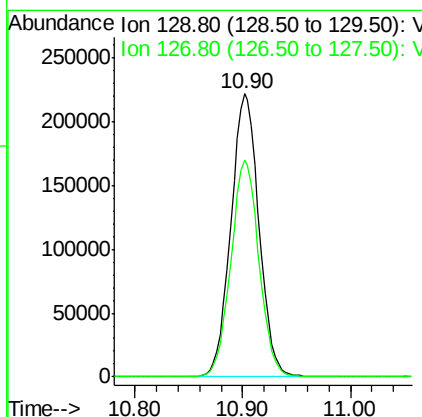
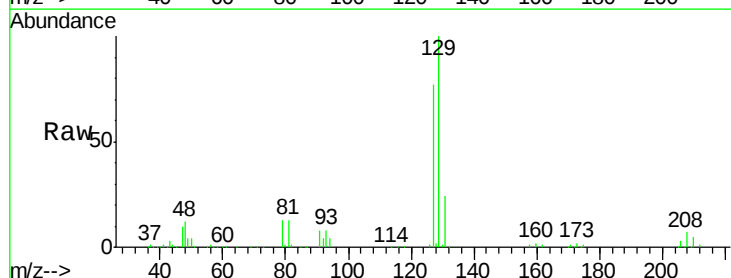
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

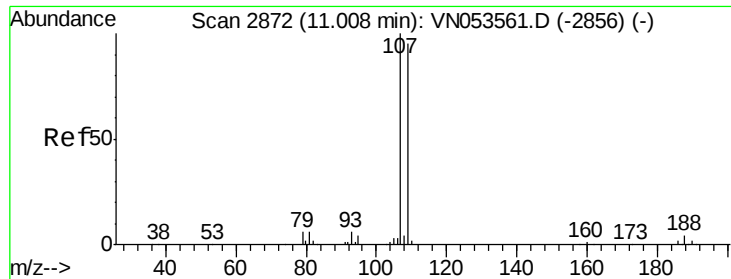
Tot Ion: 43 Resp: 973534
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8



#60
Dibromochloromethane
Concen: 58.274 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 129 Resp: 402173
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8

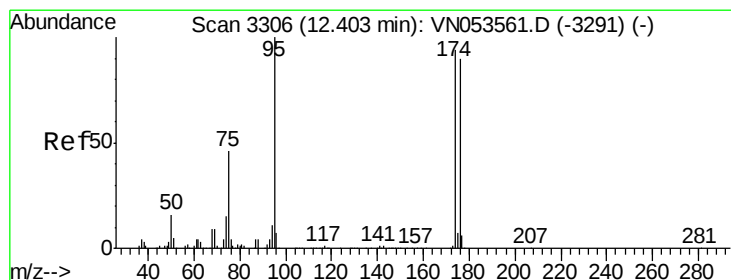
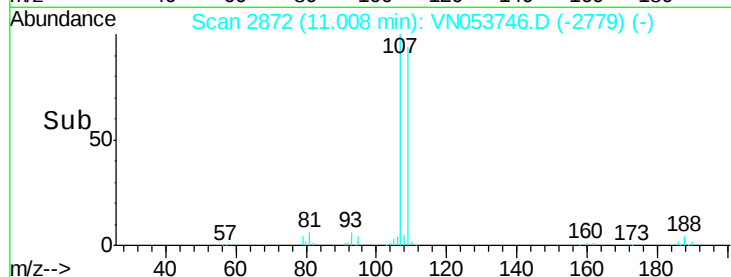
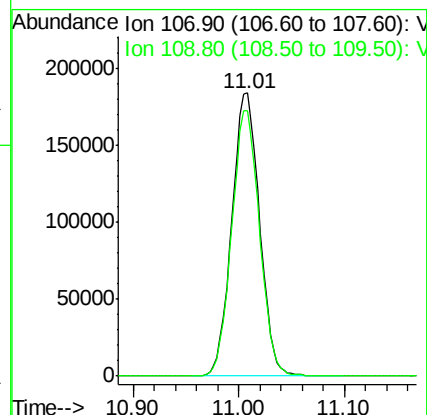
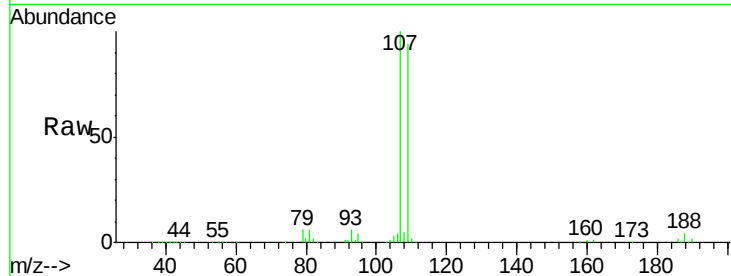




#61
 1,2-Dibromoethane
 Concen: 55.247 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

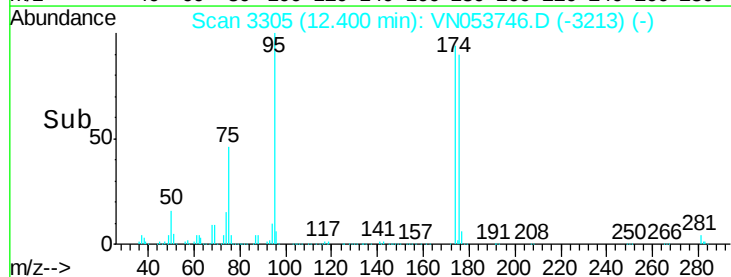
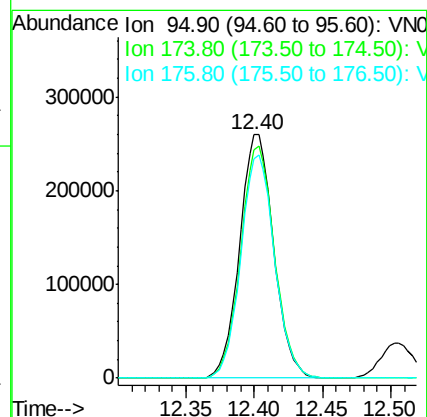
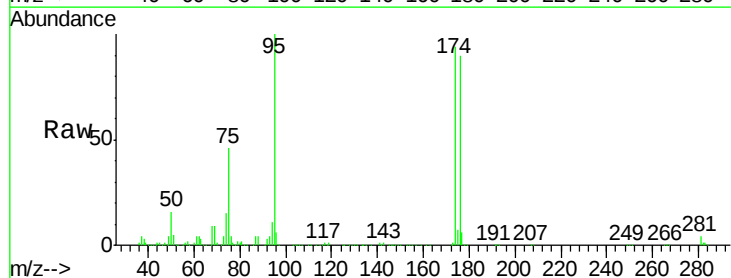
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

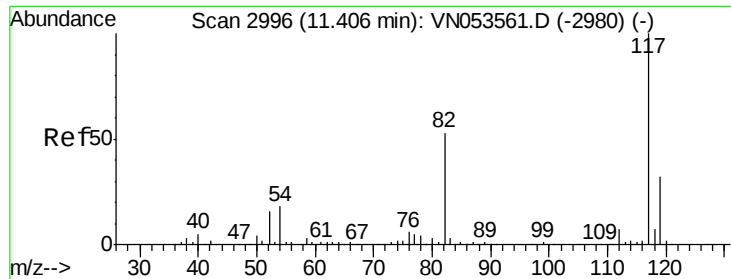
Tot Ion:107 Resp: 334655
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 55.182 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion: 95 Resp: 449505
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 183.2
 176 91.0 0.0 177.4

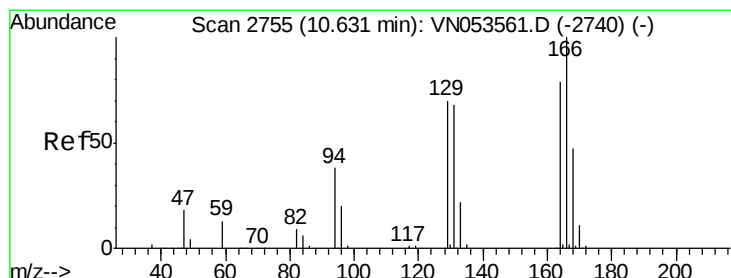
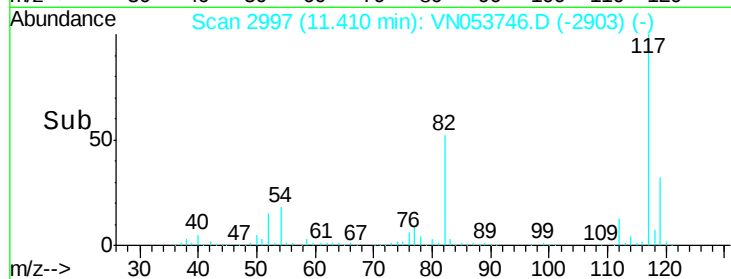
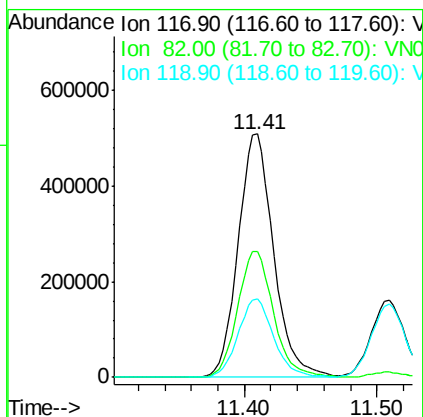
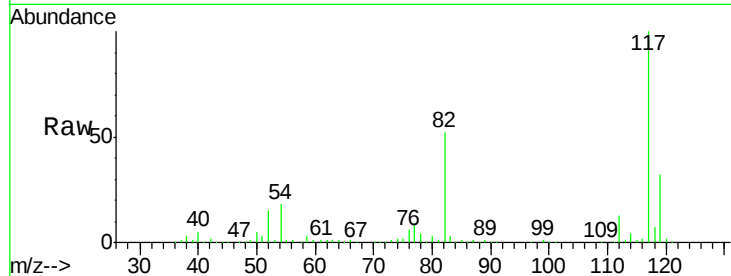




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

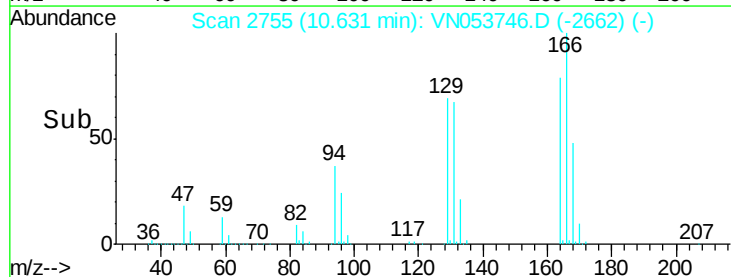
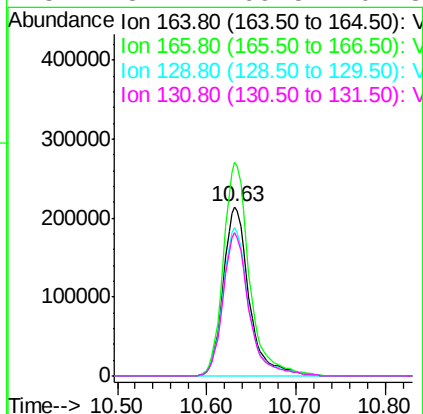
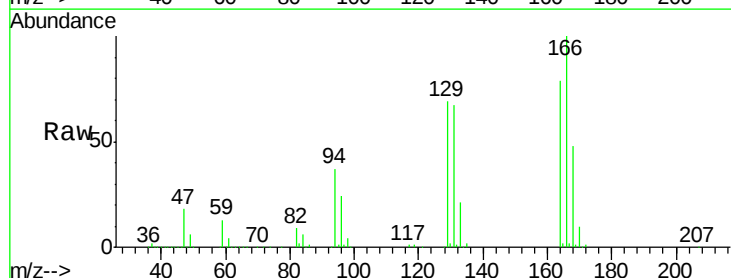
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

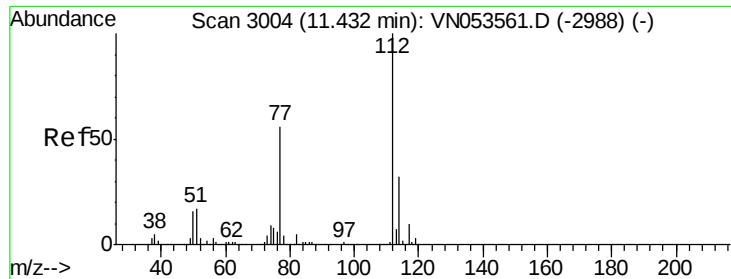
Tot Ion:117 Resp: 947760
Ion Ratio Lower Upper
117 100
82 51.8 42.9 64.3
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 53.014 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion:164 Resp: 430709
Ion Ratio Lower Upper
164 100
166 126.1 102.2 153.4
129 87.6 72.6 109.0
131 84.4 69.5 104.3





#65

Chlorobenzene

Concen: 55.799 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

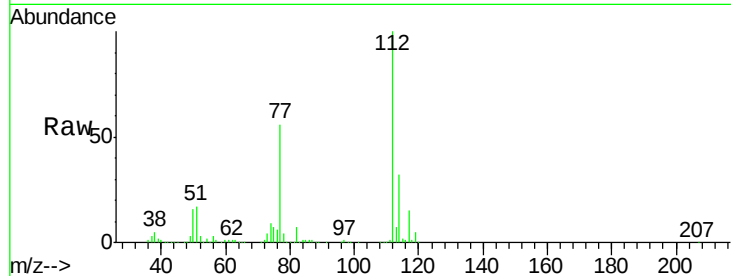
VSTDCCC050

Tot Ion:112 Resp: 1123320

Ion Ratio Lower Upper

112 100

114 31.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

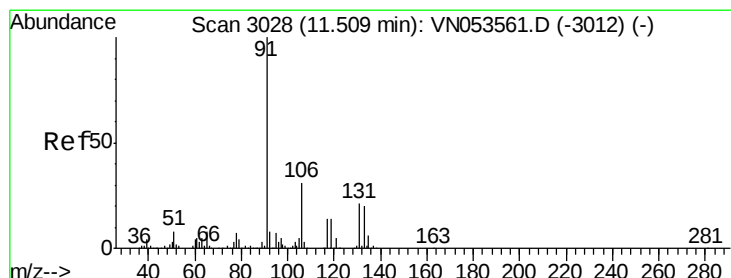
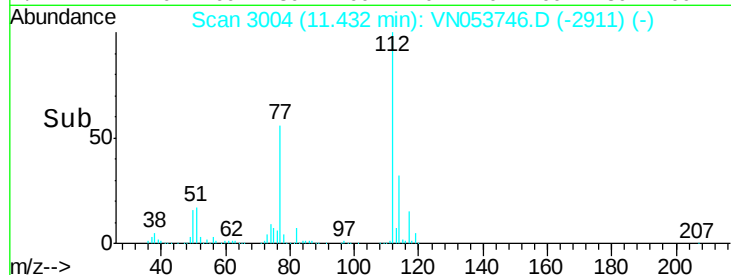
600000

400000

200000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 59.197 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

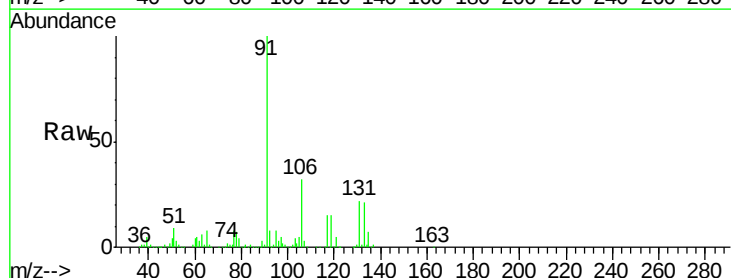
Tgt Ion:131 Resp: 416197

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.0

119 66.0 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

300000

250000

200000

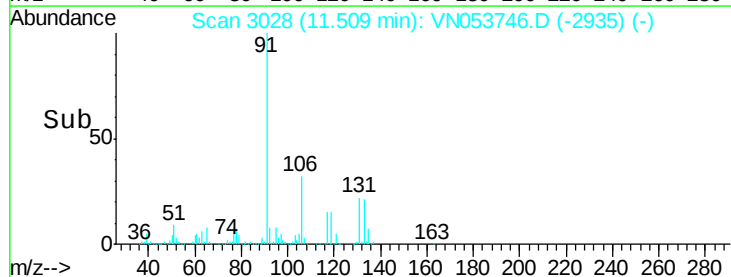
150000

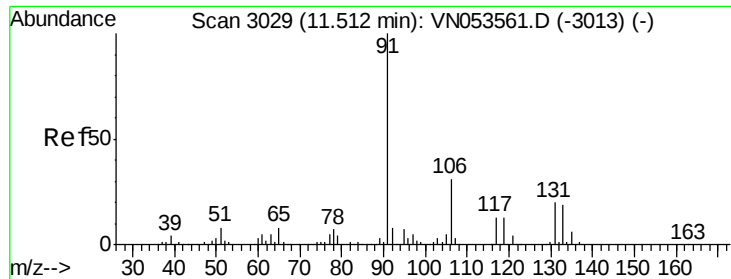
100000

50000

0

Time--> 11.50 11.60

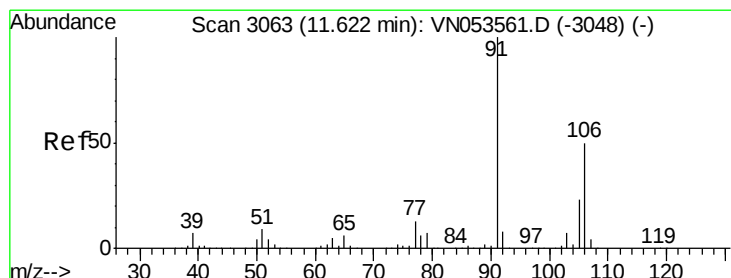
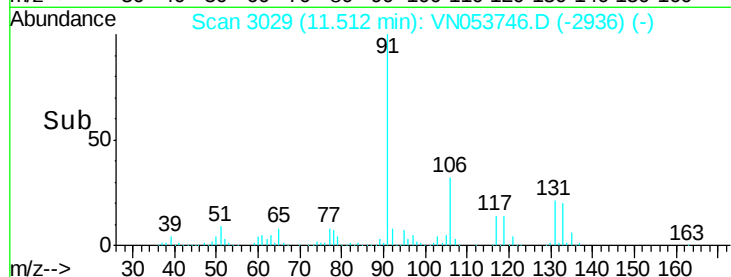
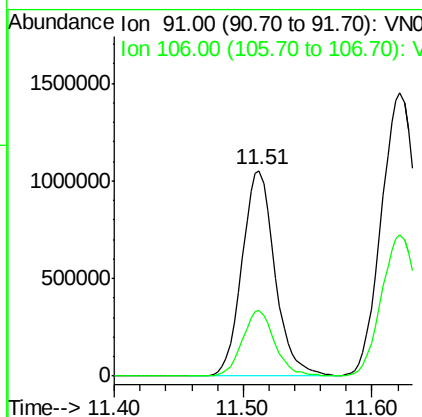
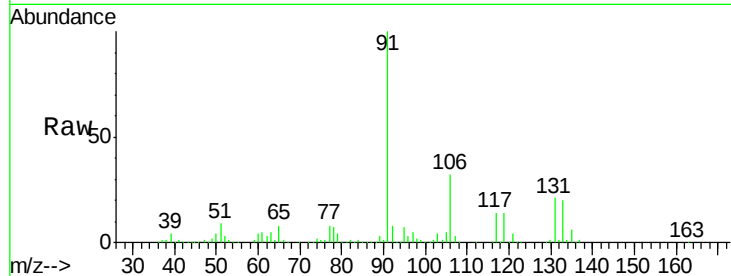




#67
Ethyl Benzene
Concen: 56.580 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

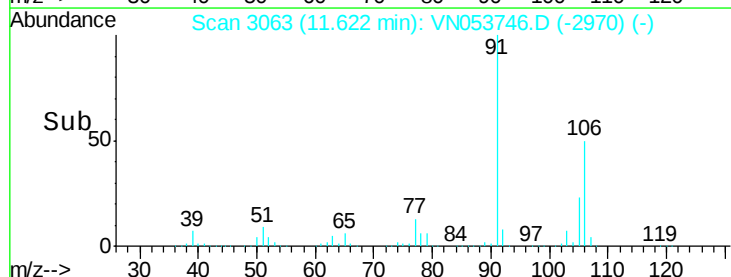
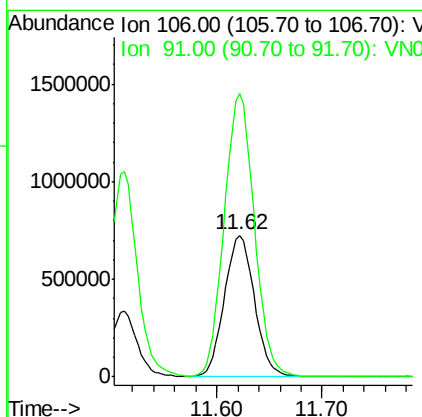
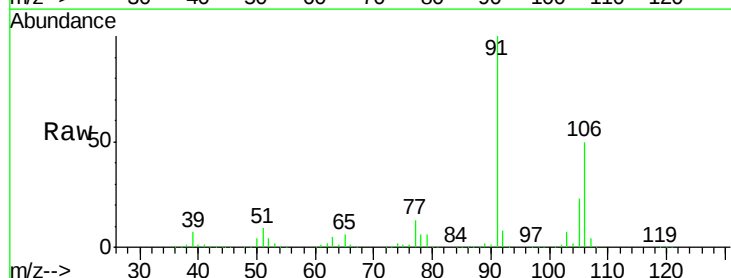
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

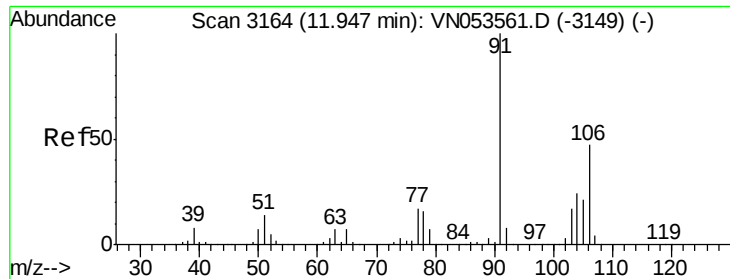
Tot Ion: 91 Resp: 1871071
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6



#68
m/p-Xylenes
Concen: 113.999 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 106 Resp: 1438834
Ion Ratio Lower Upper
106 100
91 199.6 161.4 242.2





#69

o-Xylene

Concen: 58.211 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

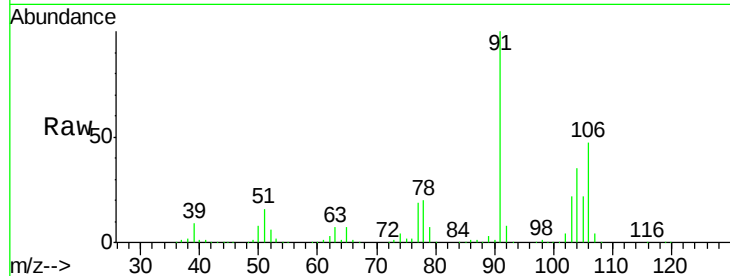
VSTDCCC050

Tot Ion:106 Resp: 709805

Ion Ratio Lower Upper

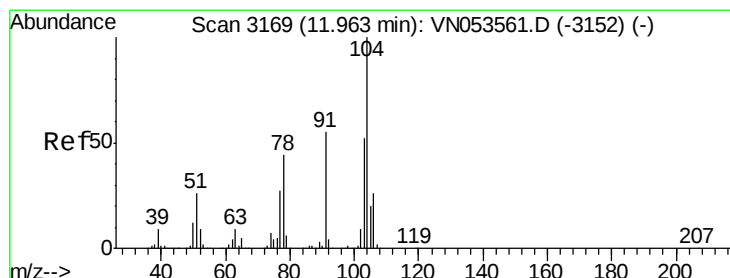
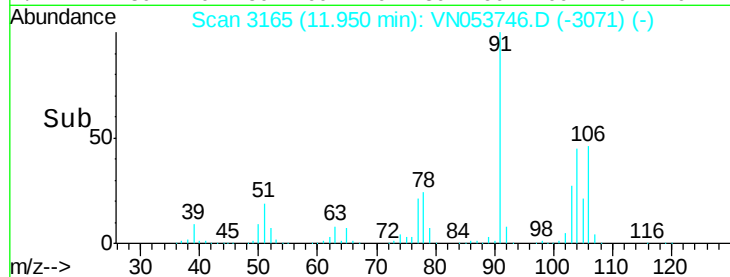
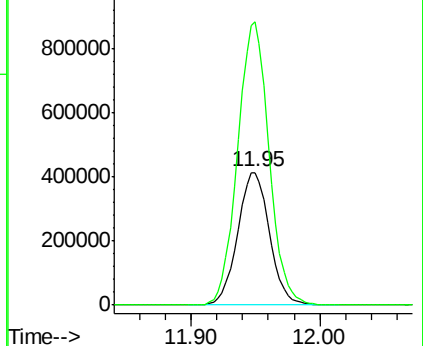
106 100

91 210.3 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 59.063 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

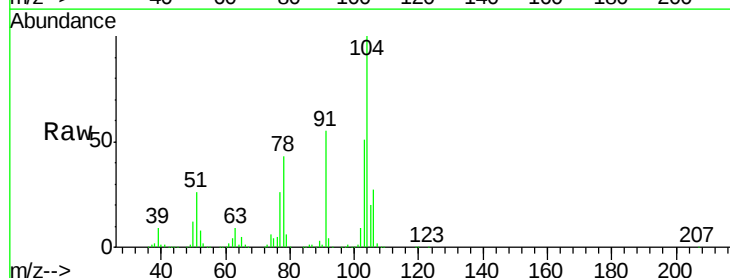
Tgt Ion:104 Resp: 1167288

Ion Ratio Lower Upper

104 100

78 47.3 38.2 57.2

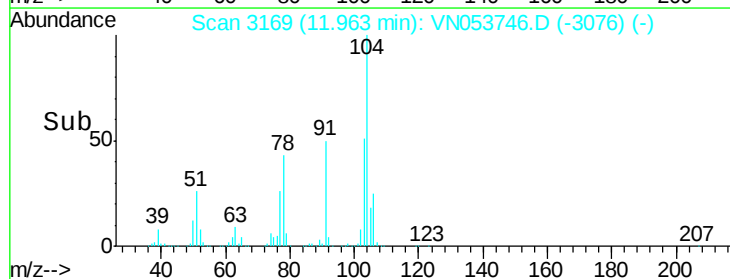
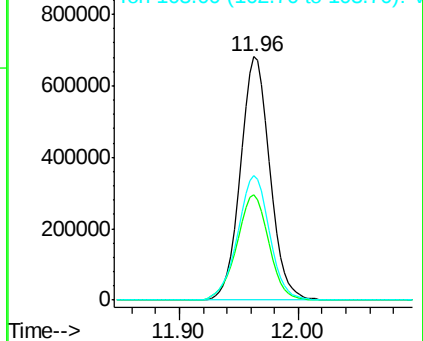
103 55.6 44.4 66.6

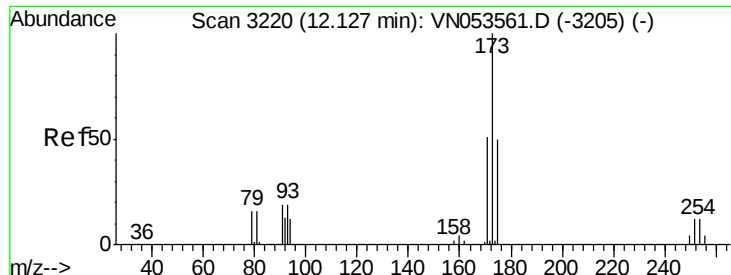


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

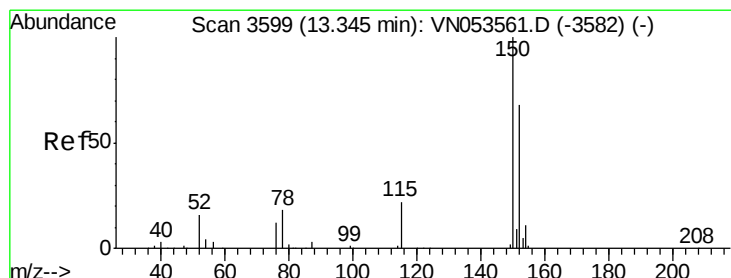
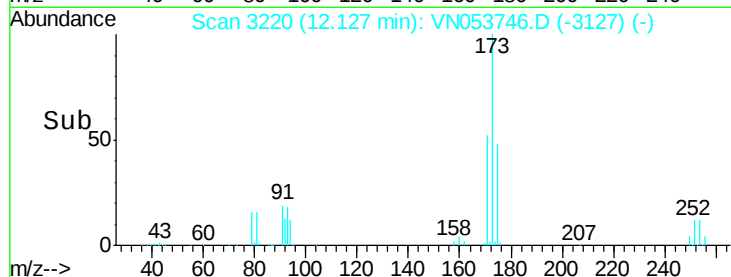
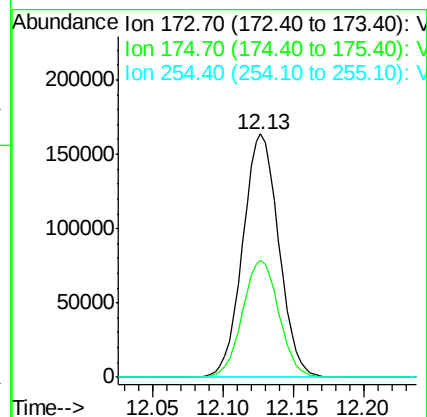
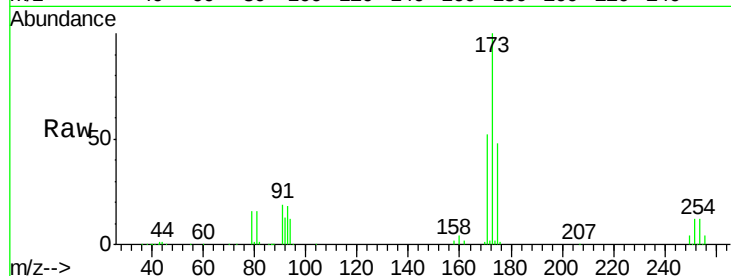




#71
Bromoform
Concen: 60.793 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

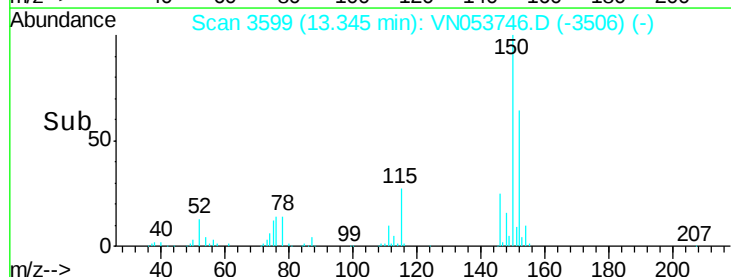
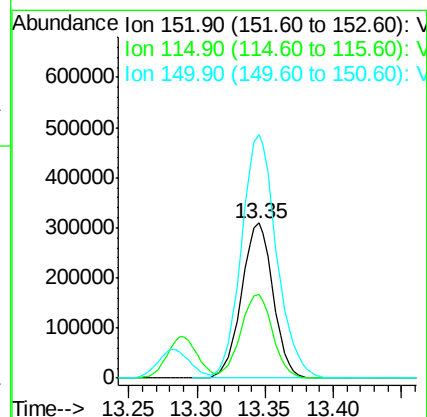
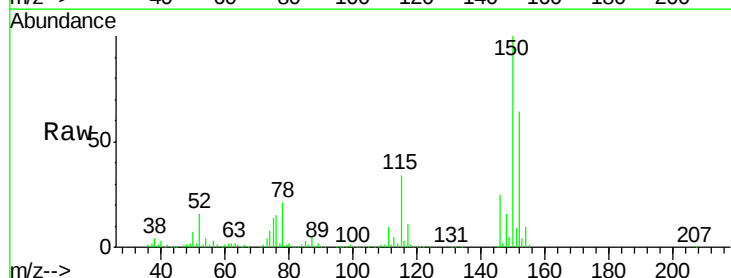
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

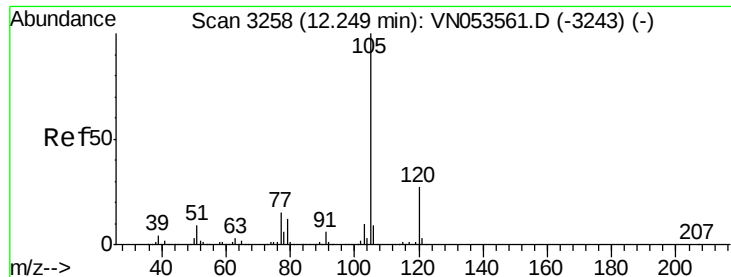
Tot Ion:173 Resp: 293026
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion:152 Resp: 496069
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 174.5 0.0 349.0





#73

Isopropylbenzene

Concen: 51.601 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

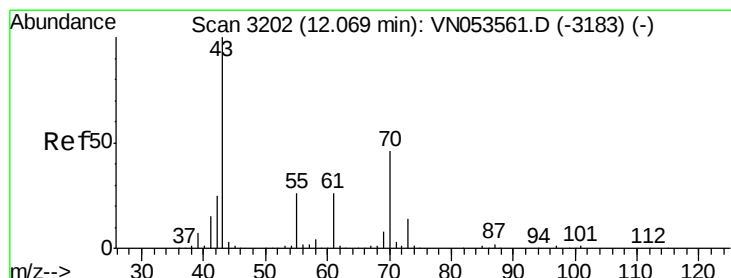
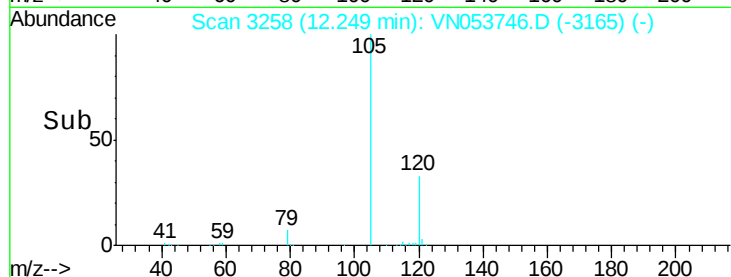
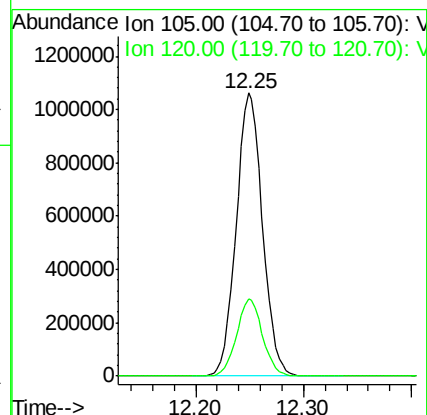
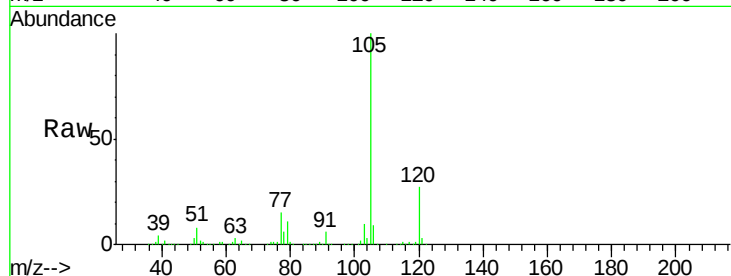
VSTDCCC050

Tot Ion:105 Resp: 1799498

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 52.889 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion: 43 Resp: 443520

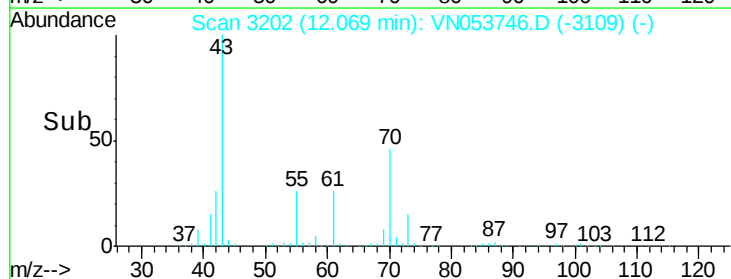
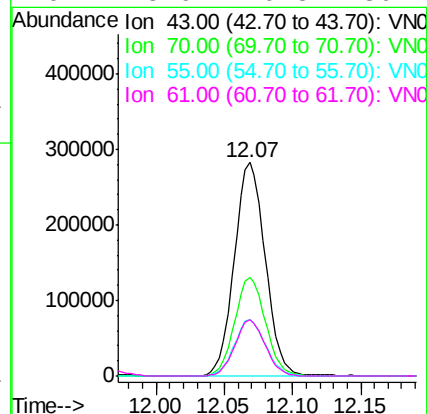
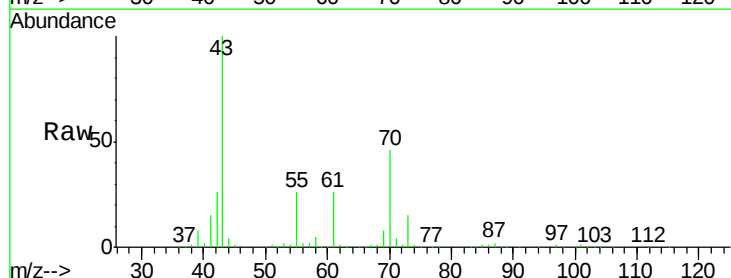
Ion Ratio Lower Upper

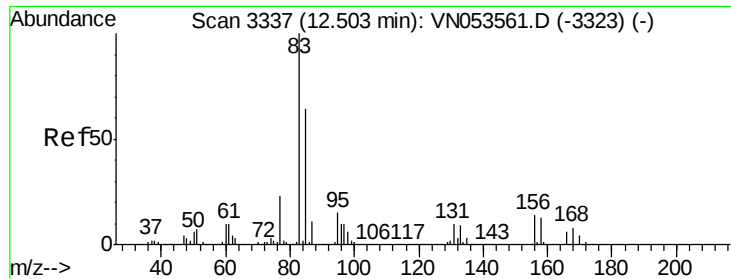
43 100

70 46.1 35.4 53.2

55 26.9 20.9 31.3

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.841 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

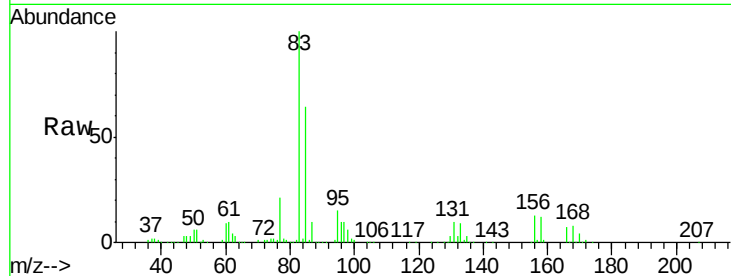
Tot Ion: 83 Resp: 432661

Ion Ratio Lower Upper

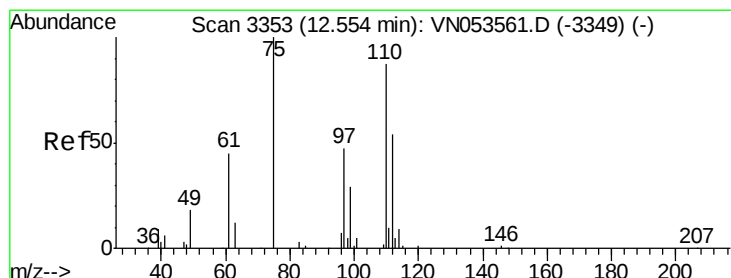
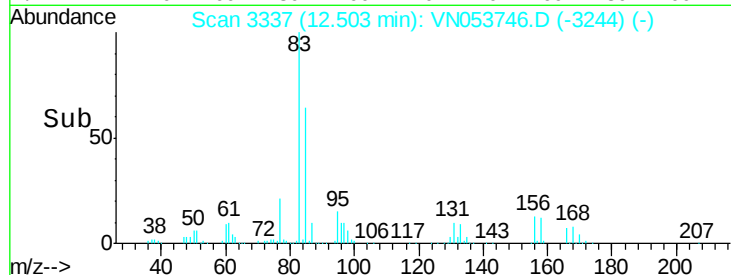
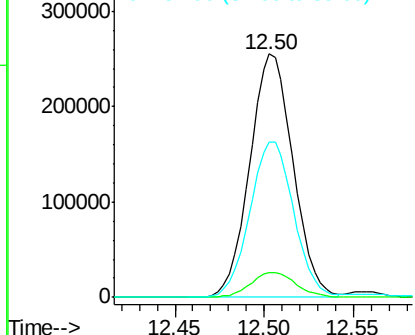
83 100

131 10.7 5.3 15.8

85 64.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 83.439 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053746.D

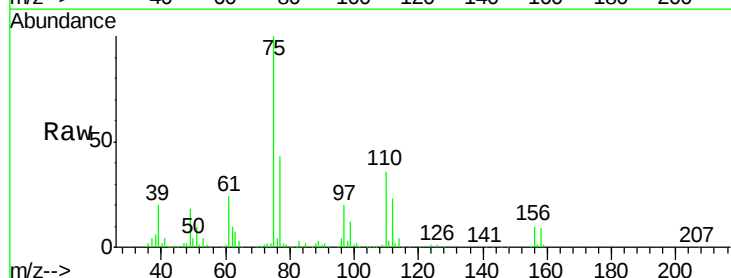
Acq: 13 Feb 2019 10:47

Tgt Ion: 75 Resp: 531650

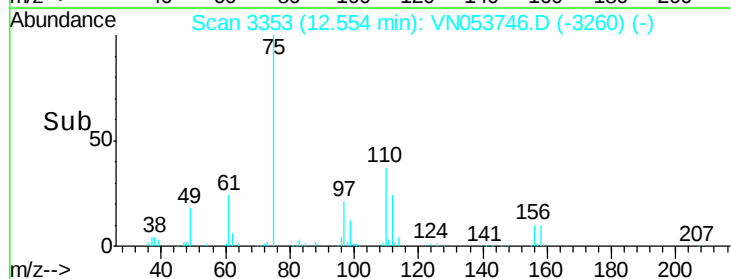
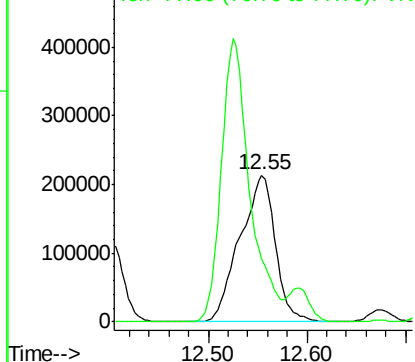
Ion Ratio Lower Upper

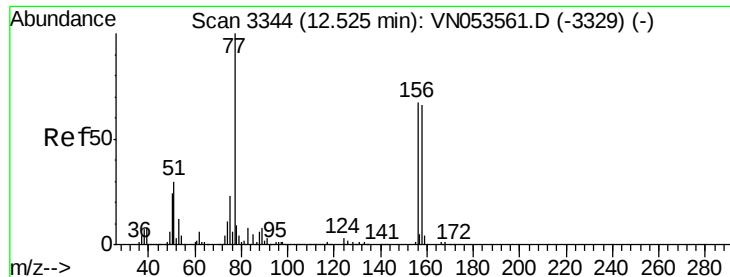
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 52.148 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

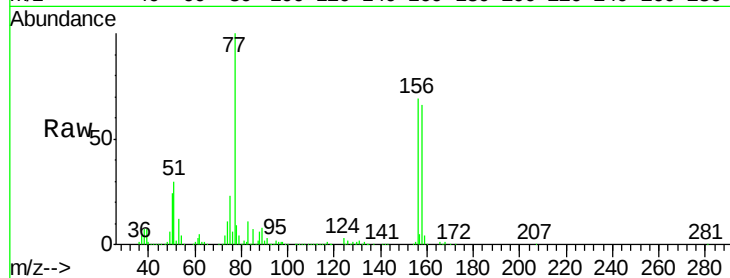
Tot Ion:156 Resp: 490111

Ion Ratio Lower Upper

156 100

77 171.5 87.9 263.8

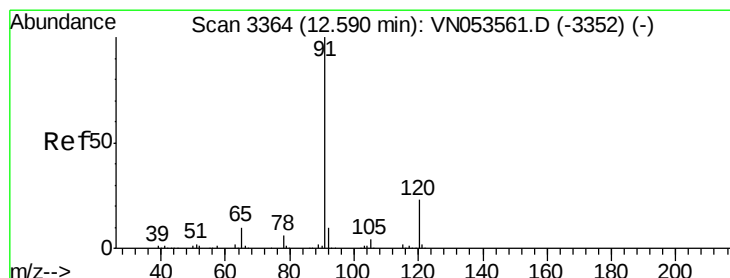
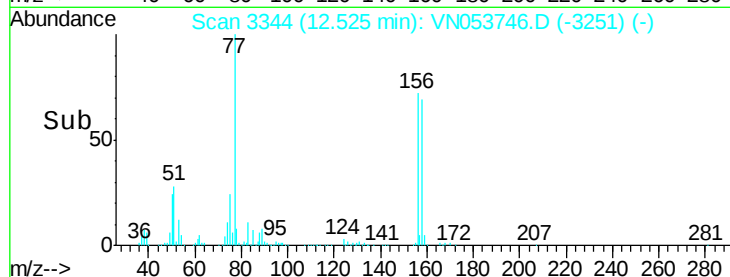
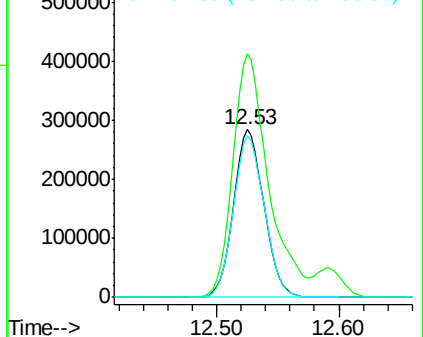
158 97.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.313 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053746.D

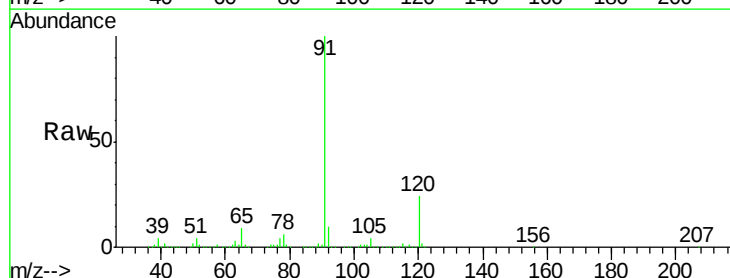
Acq: 13 Feb 2019 10:47

Tgt Ion: 91 Resp: 2149244

Ion Ratio Lower Upper

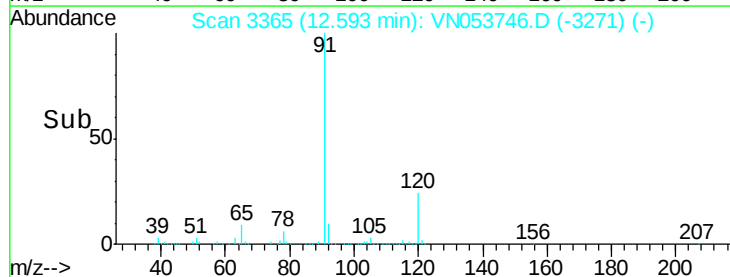
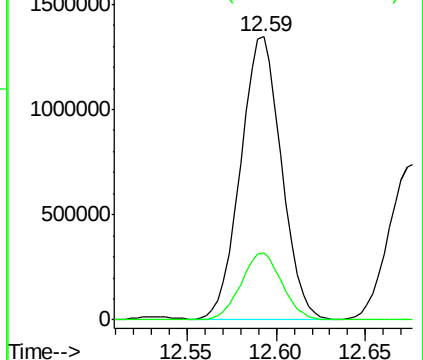
91 100

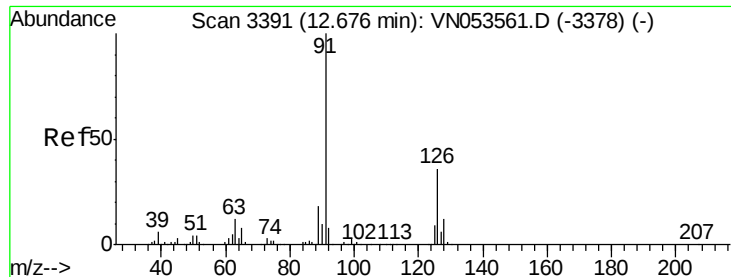
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.836 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

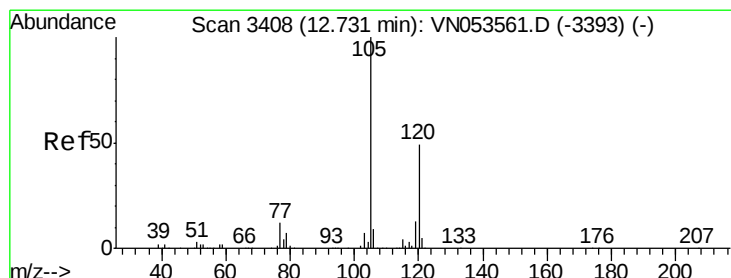
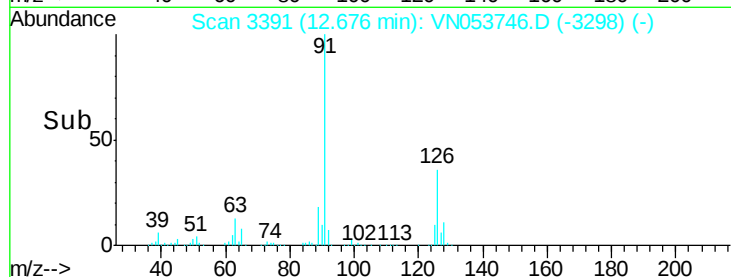
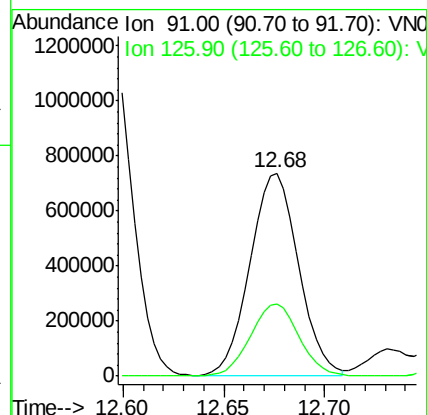
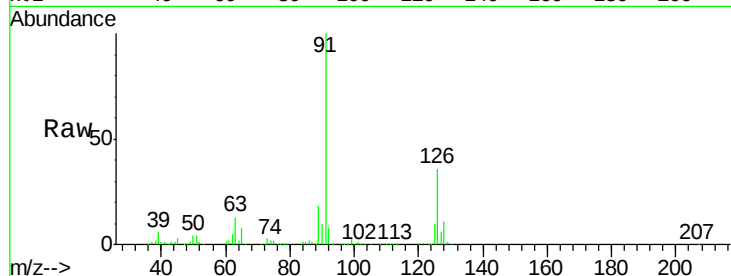
VSTDCCC050

Tot Ion: 91 Resp: 1239781

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 54.240 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053746.D

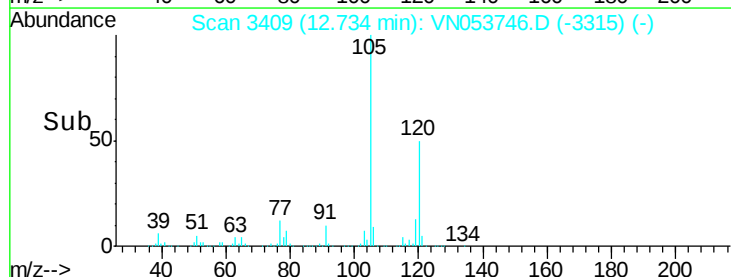
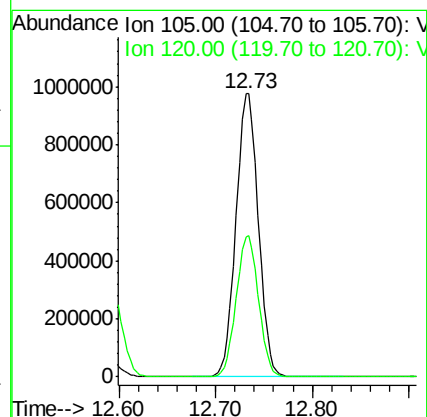
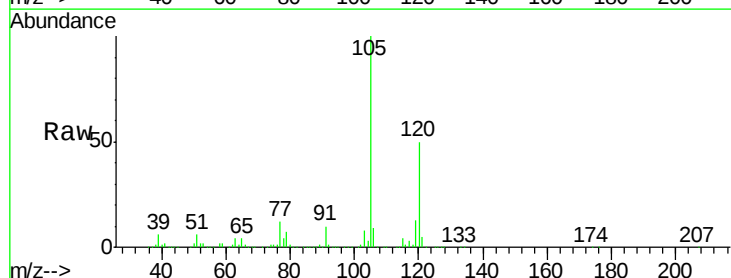
Acq: 13 Feb 2019 10:47

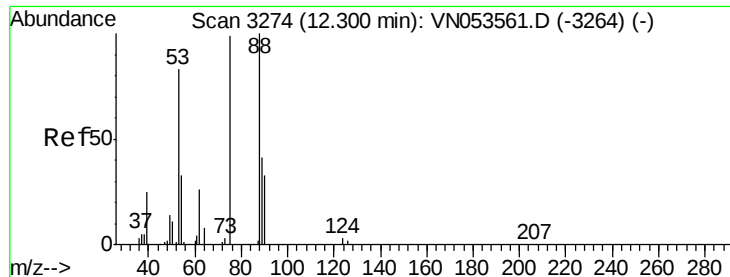
Tgt Ion: 105 Resp: 1568519

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.013 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

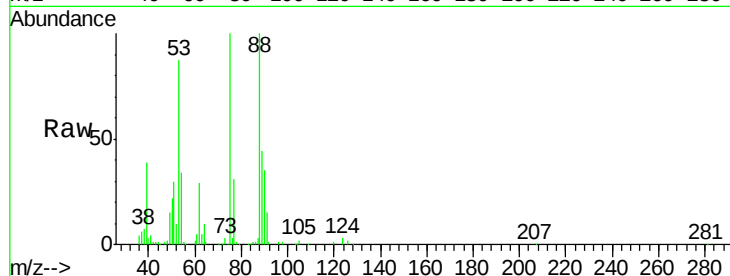
Tot Ion: 75 Resp: 115593

Ion Ratio Lower Upper

75 100

53 88.5 69.8 104.6

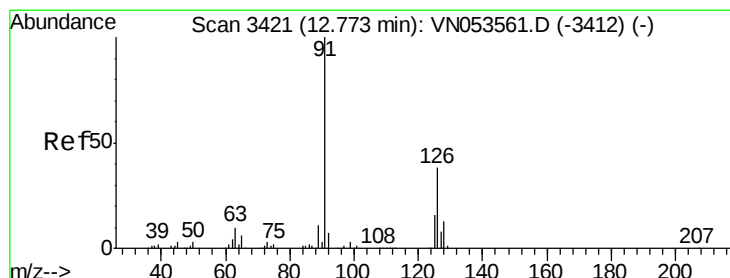
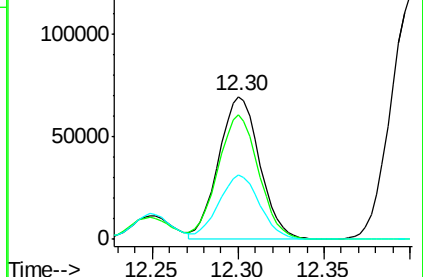
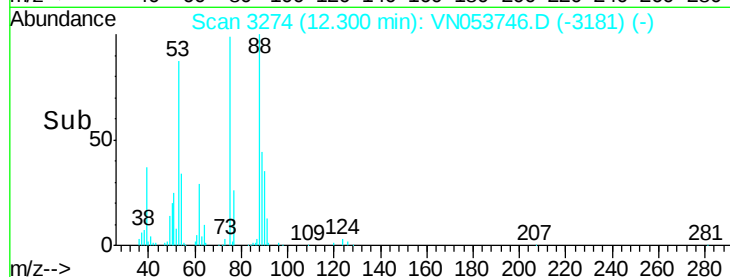
89 45.7 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.552 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053746.D

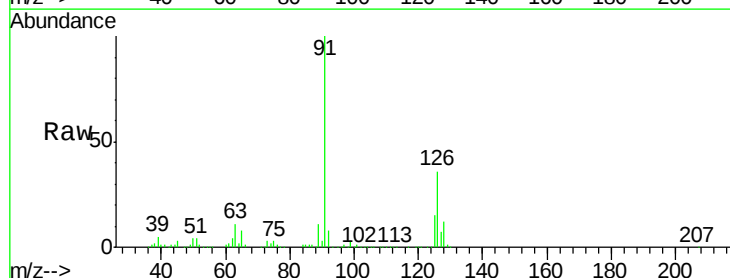
Acq: 13 Feb 2019 10:47

Tgt Ion: 91 Resp: 1289751

Ion Ratio Lower Upper

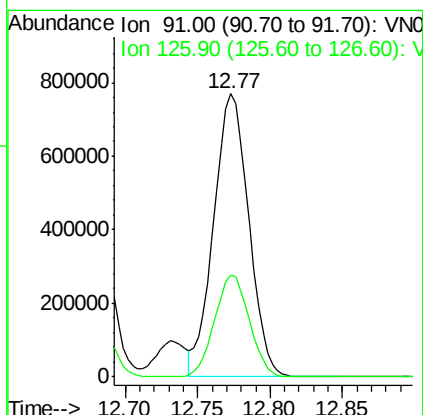
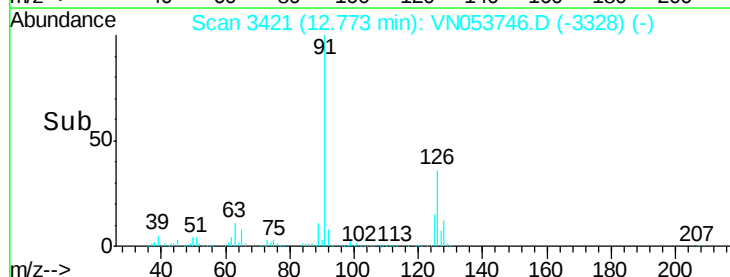
91 100

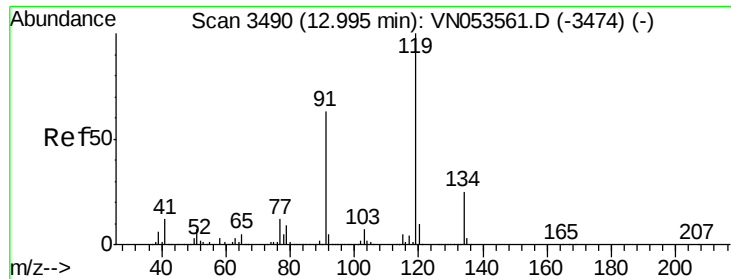
126 35.7 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): VN0

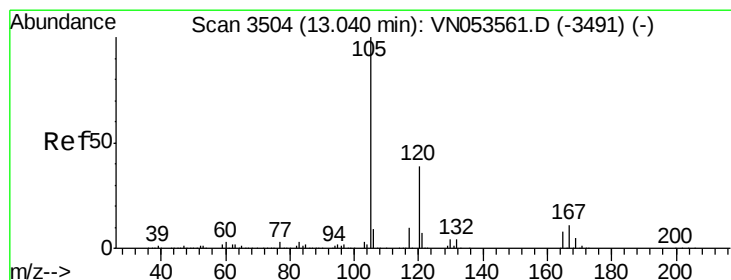
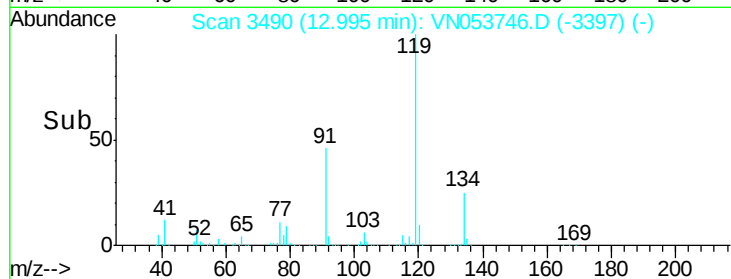
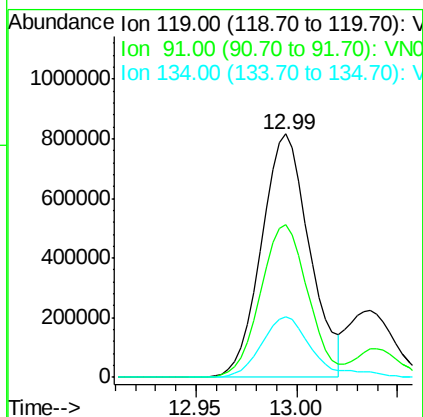
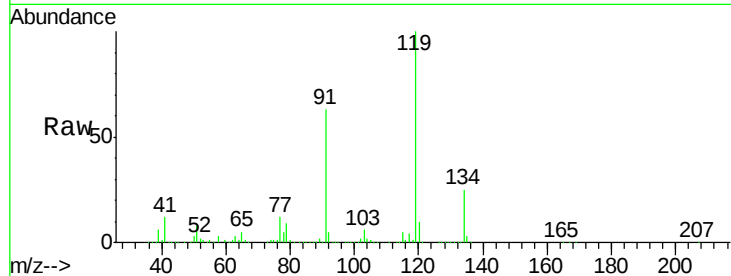




#83
tert-Butylbenzene
Concen: 53.155 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

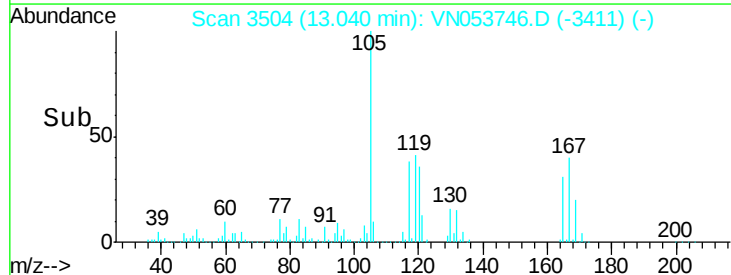
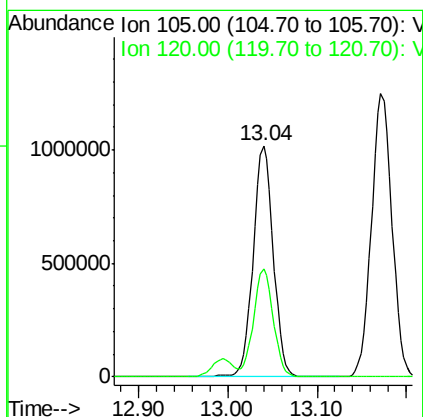
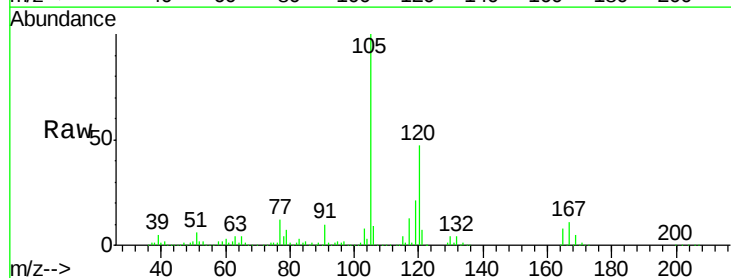
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

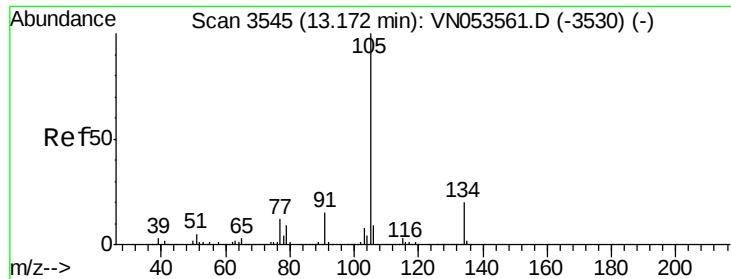
Tot Ion:119 Resp: 1358574
Ion Ratio Lower Upper
119 100
91 62.2 31.3 93.8
134 26.3 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 54.405 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion:105 Resp: 1602909
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 57.078 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

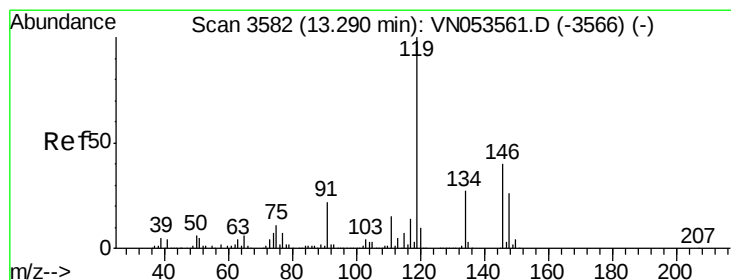
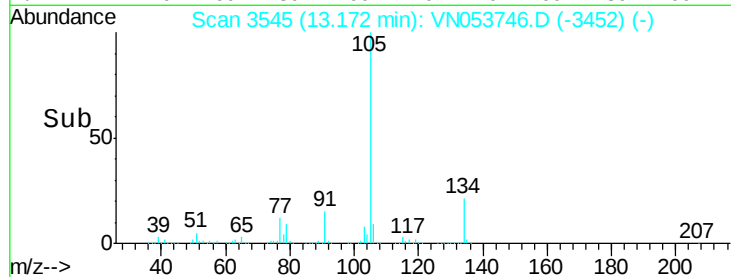
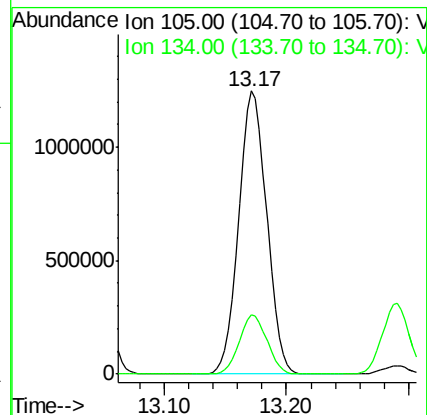
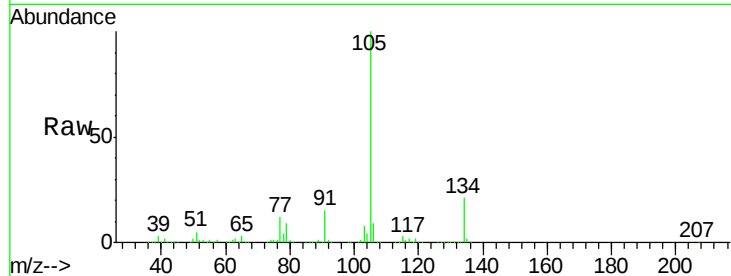
VSTDCCC050

Tot Ion:105 Resp: 1985199

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 57.670 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

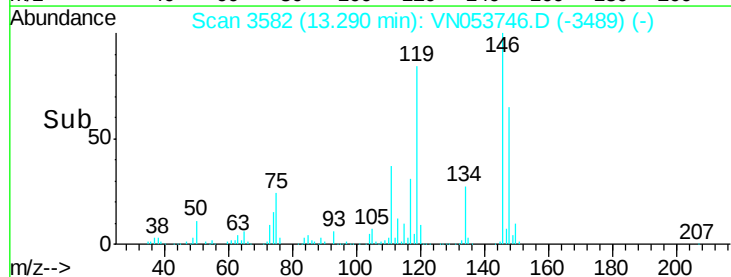
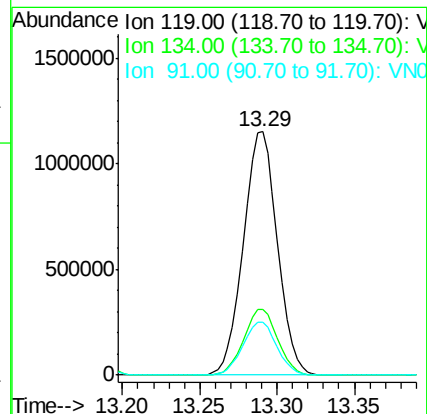
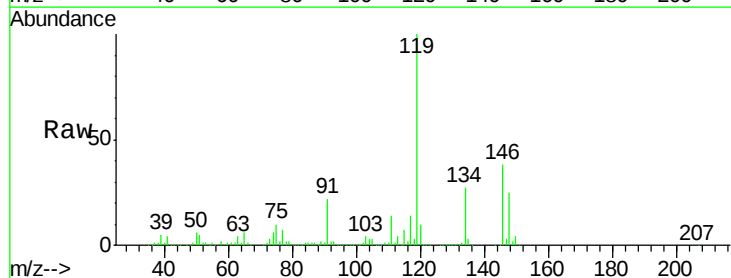
Tgt Ion:119 Resp: 1754225

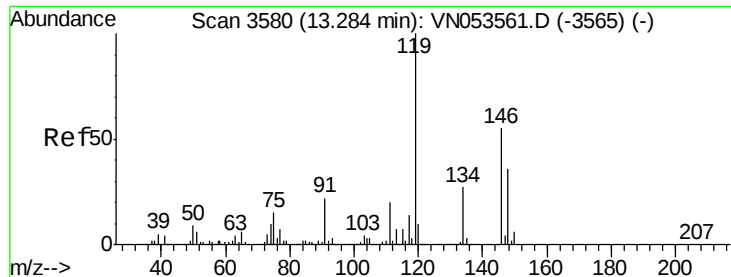
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.9 11.0 33.0

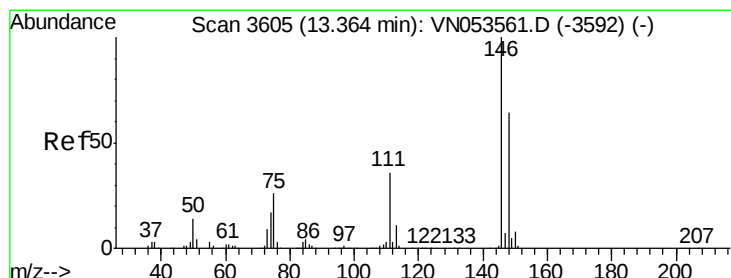
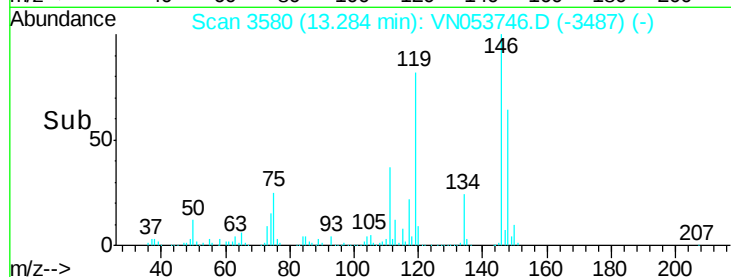
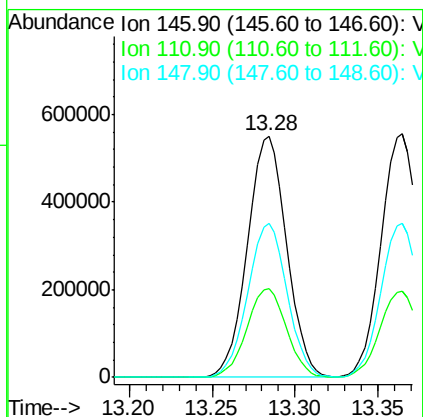
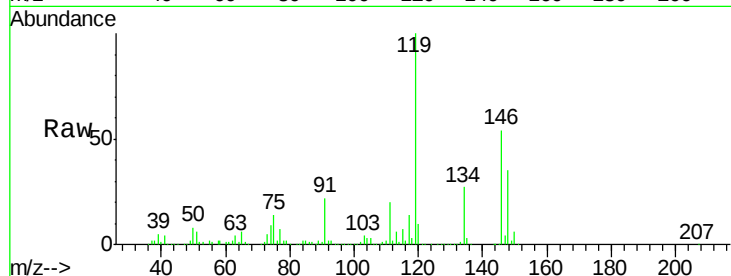




#87
 1,3-Dichlorobenzene
 Concen: 53.859 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

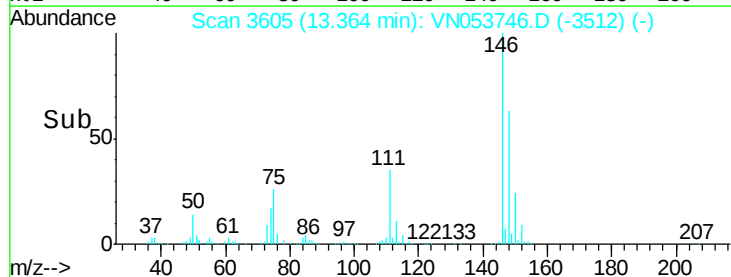
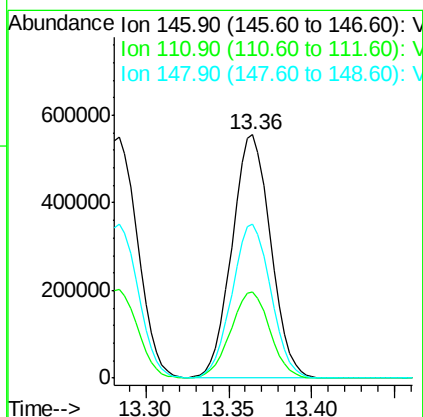
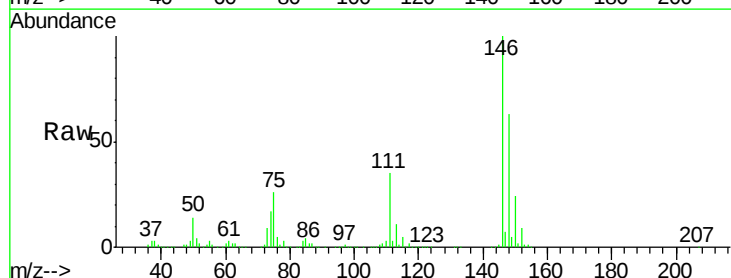
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

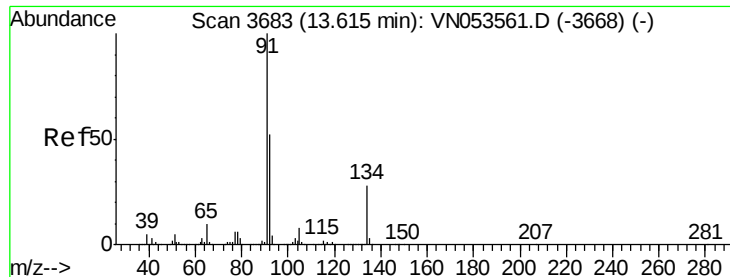
Tot Ion:146 Resp: 909968
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 53.876 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion:146 Resp: 900415
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.6 55.8
 148 63.8 32.4 97.0





#89

n-Butylbenzene

Concen: 57.290 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

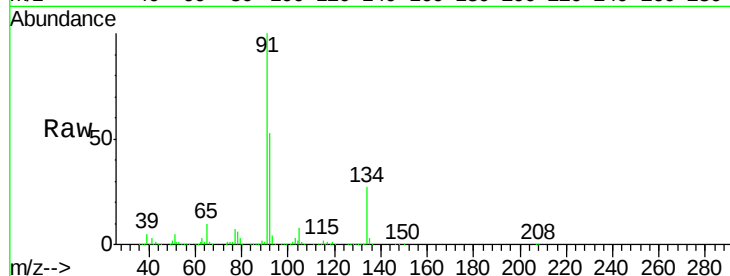
Tot Ion: 91 Resp: 1508391

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.8

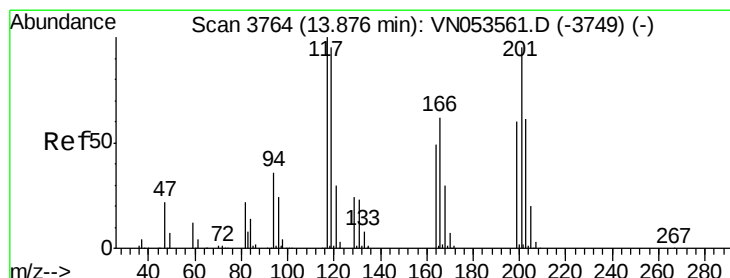
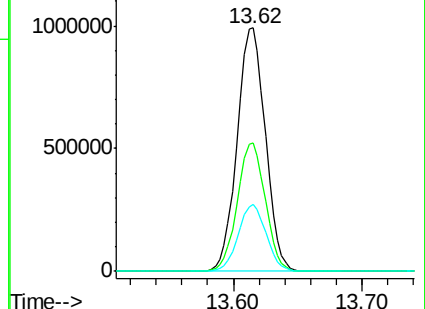
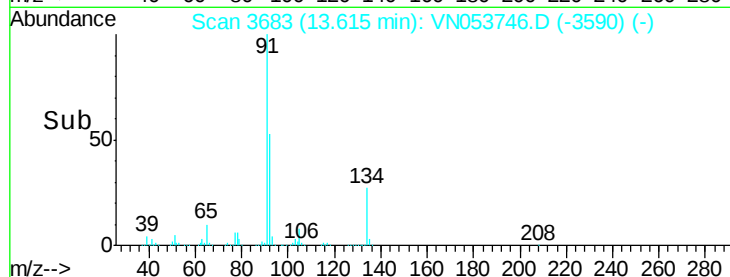
134 27.2 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053746.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053746.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053746.D (-3590) (-)



#90

Hexachloroethane

Concen: 58.117 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053746.D

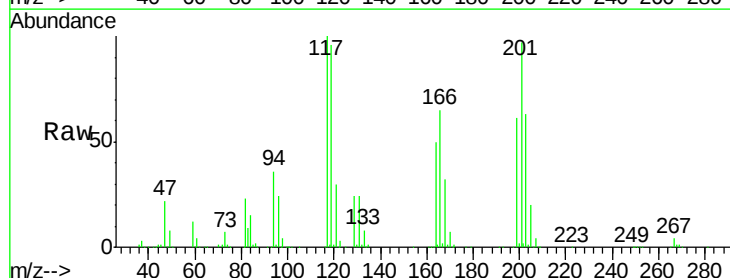
Acq: 13 Feb 2019 10:47

Tgt Ion: 117 Resp: 291597

Ion Ratio Lower Upper

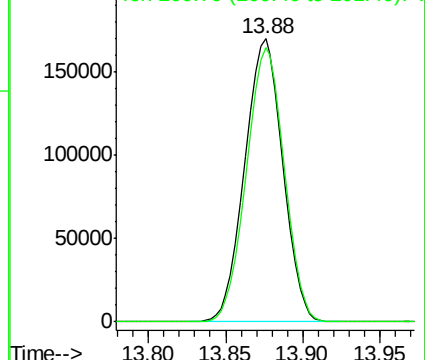
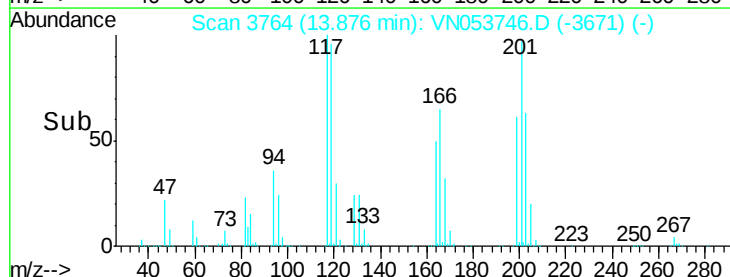
117 100

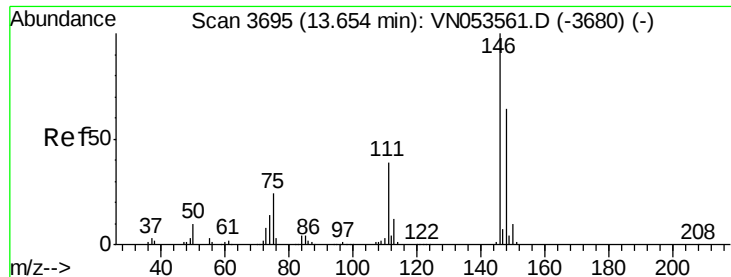
201 96.4 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053746.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053746.D (-3671) (-)





#91

1,2-Dichlorobenzene

Concen: 54.330 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

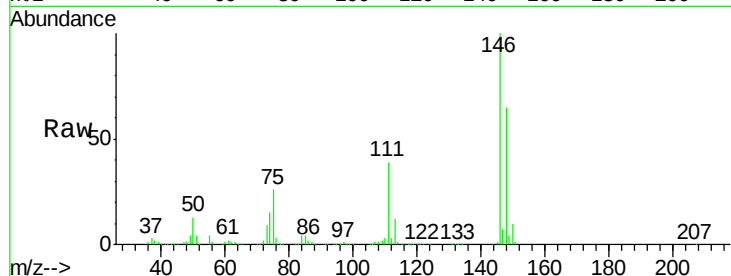
Tot Ion:146 Resp: 878767

Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

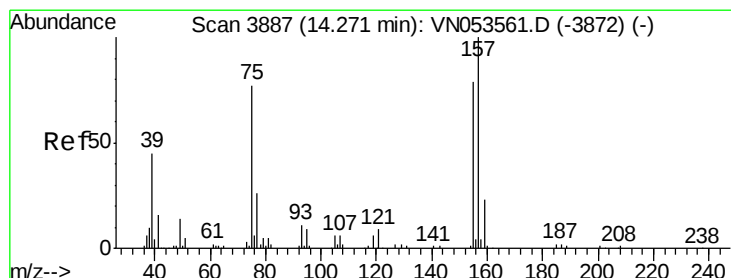
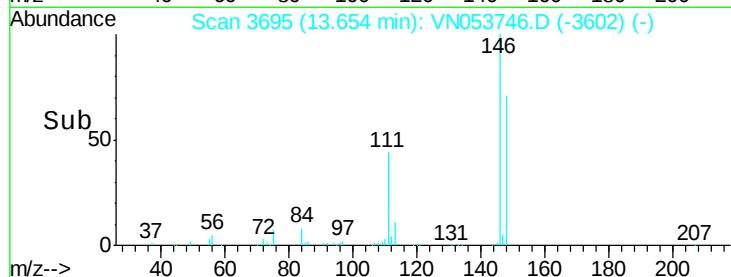
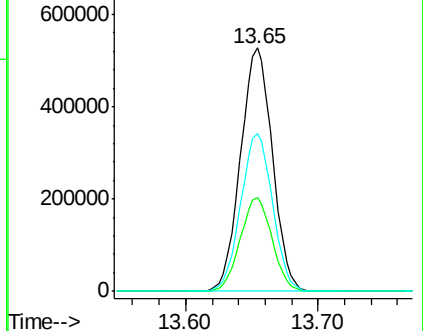
148 64.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.850 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

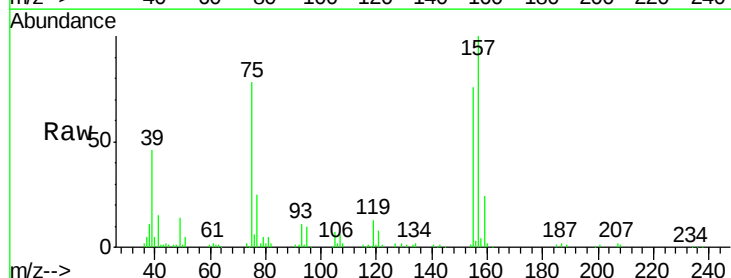
Tgt Ion: 75 Resp: 65241

Ion Ratio Lower Upper

75 100

155 97.4 48.9 146.7

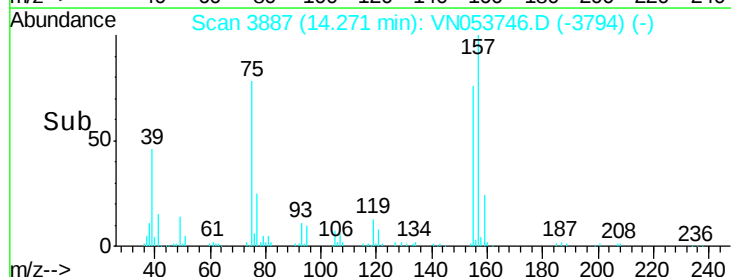
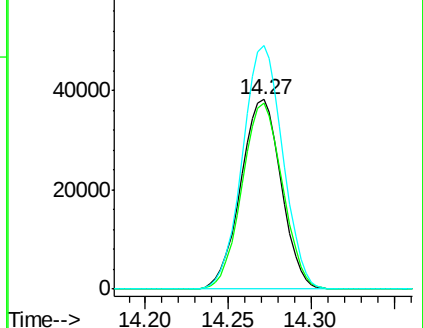
157 127.1 63.7 191.3

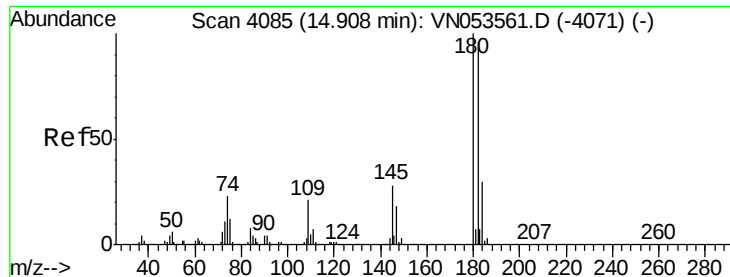


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 54.189 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

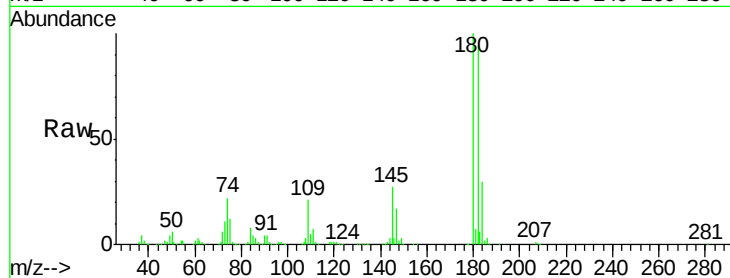
Tot Ion:180 Resp: 502695

Ion Ratio Lower Upper

180 100

182 94.8 48.1 144.3

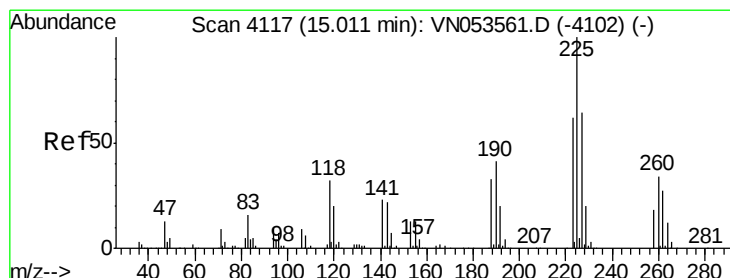
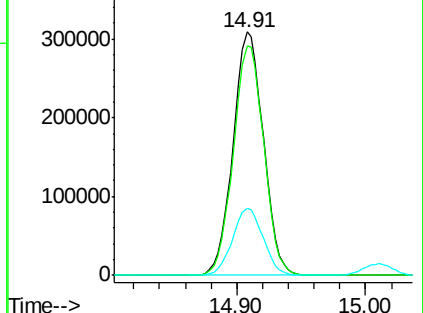
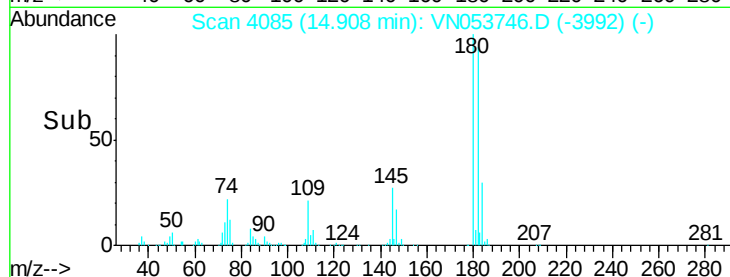
145 27.8 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 56.498 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

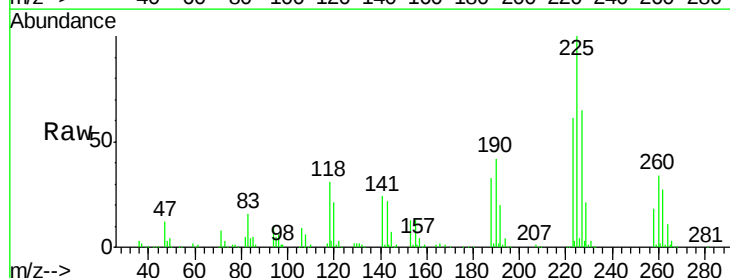
Tgt Ion:225 Resp: 326394

Ion Ratio Lower Upper

225 100

223 62.1 31.1 93.2

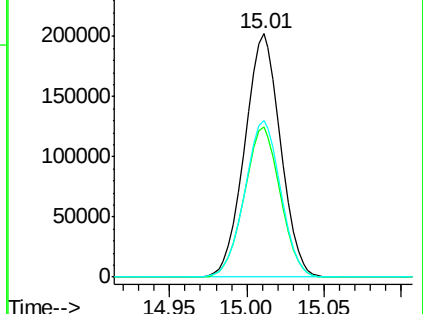
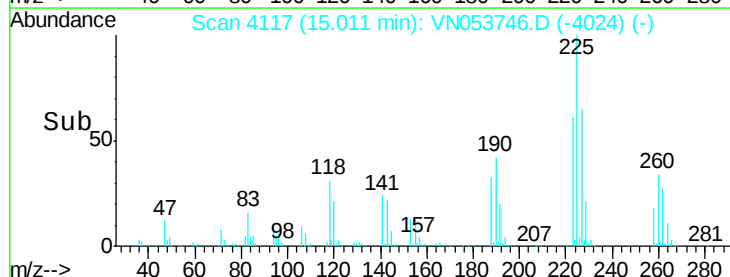
227 64.7 32.0 96.2

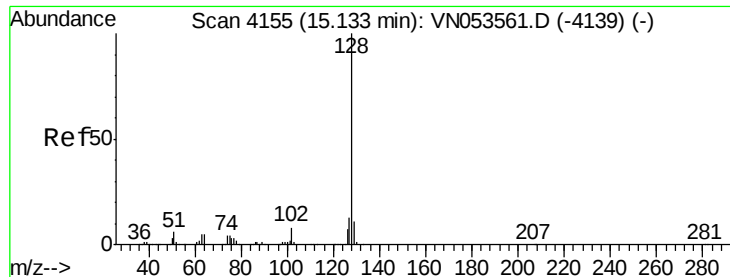


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

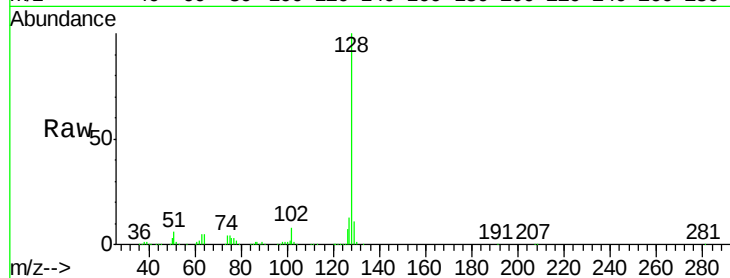




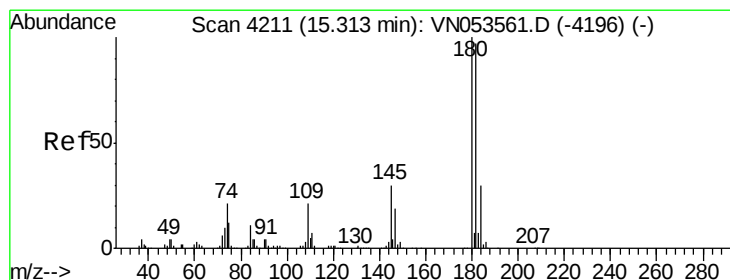
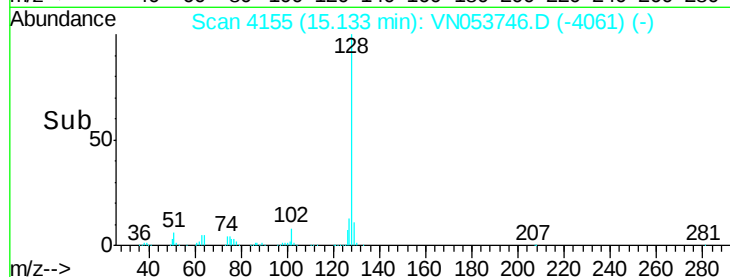
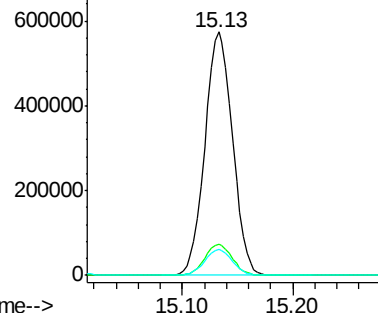
#95
Naphthalene
Concen: 45.809 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 994967
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.7 8.6 13.0

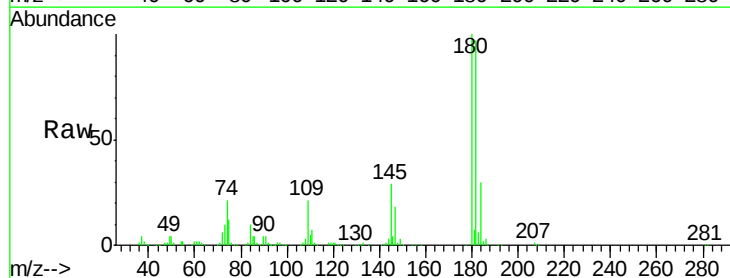


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.252 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion:180 Resp: 466976
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.8
145 29.0 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

