

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053744.D
 Acq On : 12 Feb 2019 21:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 13 04:18:57 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	604215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	996025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	870060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415860	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	331908	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	7.59	113	315138	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.09	98	1151910	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	417247	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	307902	45.234	ug/l	100
3) Chloromethane	2.06	50	362130	50.483	ug/l	100
4) Vinyl Chloride	2.19	62	374378	53.764	ug/l	99
5) Bromomethane	2.57	94	240820	52.893	ug/l	96
6) Chloroethane	2.71	64	224340	56.378	ug/l	98
7) Trichlorofluoromethane	3.02	101	505869	53.572	ug/l	98
8) Diethyl Ether	3.41	74	186428	54.059	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	278792	47.739	ug/l	97
10) Methyl Iodide	3.96	142	457369	49.897	ug/l	100
11) Tert butyl alcohol	4.78	59	112532	313.695	ug/l	98
12) 1,1-Dichloroethene	3.74	96	288093	51.489	ug/l	97
13) Acrolein	3.61	56	63263	323.905	ug/l	99
14) Allyl chloride	4.33	41	435825	48.921	ug/l	95
15) Acrylonitrile	4.99	53	585238	302.197	ug/l	99
16) Acetone	3.82	43	376155	241.935	ug/l	97
17) Carbon Disulfide	4.06	76	772665	44.349	ug/l	100
18) Methyl Acetate	4.33	43	293382	63.716	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	832117	58.666	ug/l	99
20) Methylene Chloride	4.55	84	339212	52.003	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	306097	50.708	ug/l	97
22) Diisopropyl ether	5.95	45	924839	56.026	ug/l	95
23) Vinyl Acetate	5.90	43	3246044	284.257	ug/l	98
24) 1,1-Dichloroethane	5.85	63	589484	53.540	ug/l	100
25) 2-Butanone	6.83	43	626710	282.626	ug/l	100
26) 2,2-Dichloropropane	6.82	77	372153	44.279	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	360963	53.776	ug/l	96
28) Bromochloromethane	7.20	49	260082	54.434	ug/l	96
29) Tetrahydrofuran	7.21	42	425757	299.009	ug/l	97
30) Chloroform	7.37	83	583208	53.435	ug/l	100
31) Cyclohexane	7.65	56	485687	47.371	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	489188	53.858	ug/l	99
36) 1,1-Dichloropropene	7.80	75	420077	46.787	ug/l	99
37) Ethyl Acetate	6.93	43	282856	56.407	ug/l	99
38) Carbon Tetrachloride	7.78	117	423863	46.862	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	457265	42.927	ug/l	99
40) Benzene	8.04	78	1335396	48.231	ug/l	99
41) Methacrylonitrile	7.17	41	159902	57.054	ug/l	95
42) 1,2-Dichloroethane	8.12	62	399795	48.631	ug/l	99
43) Isopropyl Acetate	8.17	43	509470	52.608	ug/l	98
44) Trichloroethene	8.84	130	372439	47.249	ug/l	97
45) 1,2-Dichloropropane	9.12	63	354799	50.101	ug/l	99
46) Dibromomethane	9.21	93	213453	50.001	ug/l	97
47) Bromodichloromethane	9.40	83	449540	50.646	ug/l	98
48) Methyl methacrylate	9.20	41	251532	54.413	ug/l	99
49) 1,4-Dioxane	9.20	88	70082	1044.465	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1349593	283.598	ug/l	100
52) Toluene	10.16	92	803860	48.919	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	445025	50.070	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	513263	48.733	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	308810	52.153	ug/l	99
56) Ethyl methacrylate	10.43	69	390215	55.706	ug/l	98
57) 1,3-Dichloropropane	10.71	76	514887	50.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	886730	205.586	ug/l	98
59) 2-Hexanone	10.75	43	862424	266.952	ug/l	99
60) Dibromochloromethane	10.90	129	349991	52.415	ug/l	100
61) 1,2-Dibromoethane	11.01	107	297323	50.732	ug/l	99
64) Tetrachloroethene	10.63	164	349781	46.898	ug/l	99
65) Chlorobenzene	11.43	112	893167	48.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	333181	51.621	ug/l	100
67) Ethyl Benzene	11.51	91	1477688	48.674	ug/l	100
68) m/p-Xylenes	11.62	106	1151425	99.374	ug/l	98
69) o-Xylene	11.95	106	572044	51.103	ug/l	99
70) Styrene	11.96	104	939199	51.766	ug/l	100
71) Bromoform	12.13	173	249404	56.364	ug/l #	100
73) Isopropylbenzene	12.25	105	1508282	51.593	ug/l	99
74) N-amyl acetate	12.07	43	403198	57.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	391200	55.913	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	470866	88.153	ug/l #	100
77) Bromobenzene	12.53	156	415586	52.747	ug/l	99
78) n-propylbenzene	12.59	91	1741796	51.540	ug/l	100
79) 2-Chlorotoluene	12.67	91	1023954	51.070	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1285484	53.026	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99288	52.268	ug/l	99
82) 4-Chlorotoluene	12.77	91	1028482	49.989	ug/l	100
83) tert-Butylbenzene	12.99	119	1110278	51.819	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1270527	51.441	ug/l	99
85) sec-Butylbenzene	13.17	105	1471708	50.476	ug/l	99
86) p-Isopropyltoluene	13.29	119	1298606	50.926	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	685885	48.426	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	670596	47.864	ug/l	99
89) n-Butylbenzene	13.62	91	1063571	48.187	ug/l	99
90) Hexachloroethane	13.88	117	219982	52.300	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	686018	50.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55582	55.742	ug/l	99

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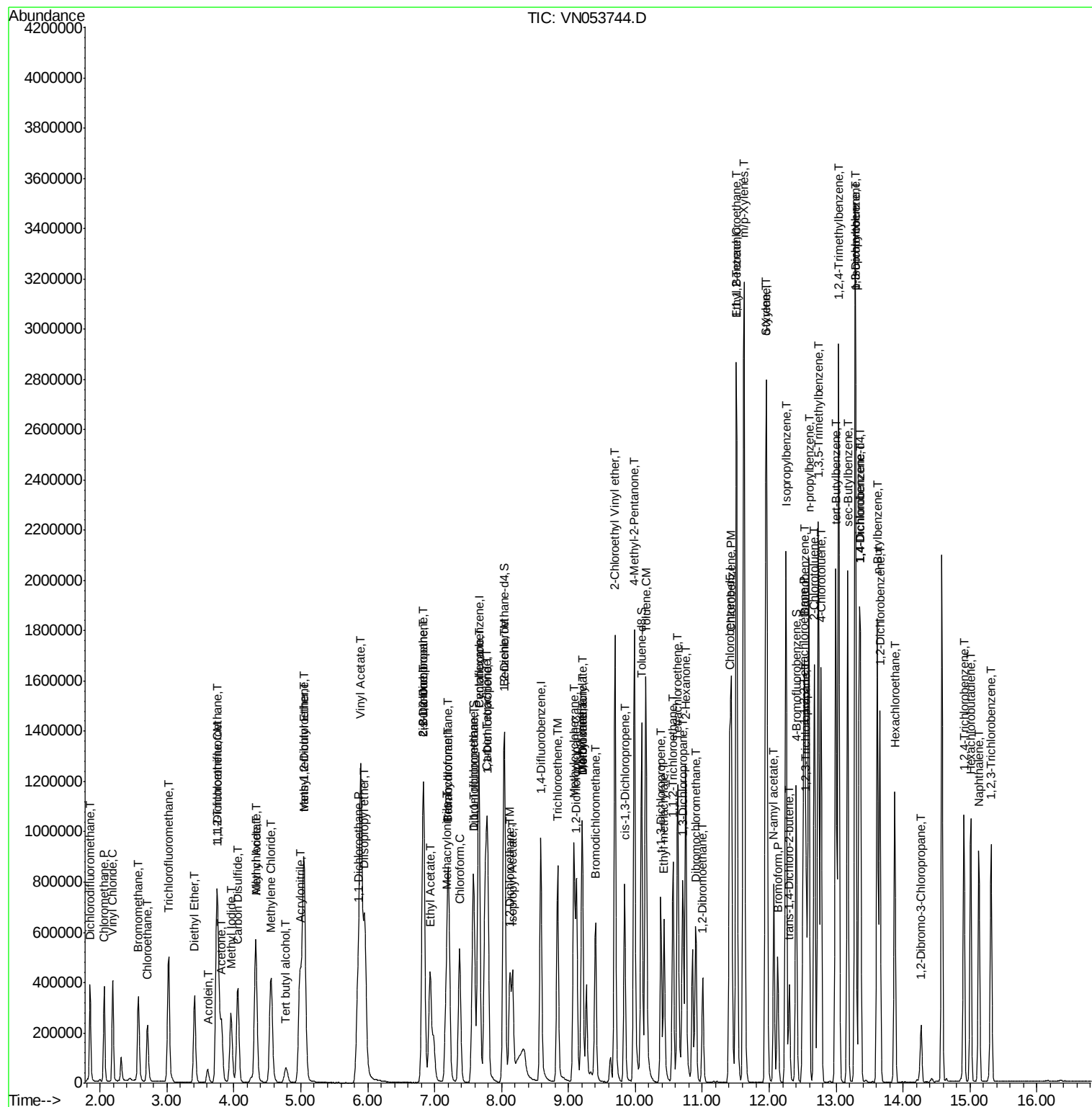
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	382978	49.247	ug/l	99
94) Hexachlorobutadiene	15.01	225	232169	47.939	ug/l	99
95) Naphthalene	15.13	128	838195	46.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	372158	51.575	ug/l	99

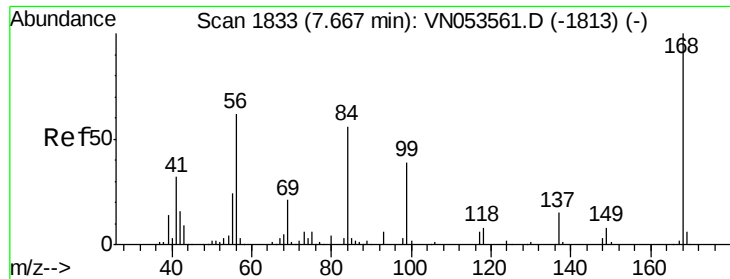
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

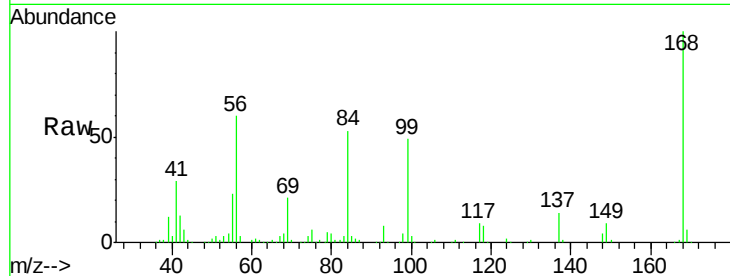
VSTDCCC050EC

Tot Ion:168 Resp: 604215

Ion Ratio Lower Upper

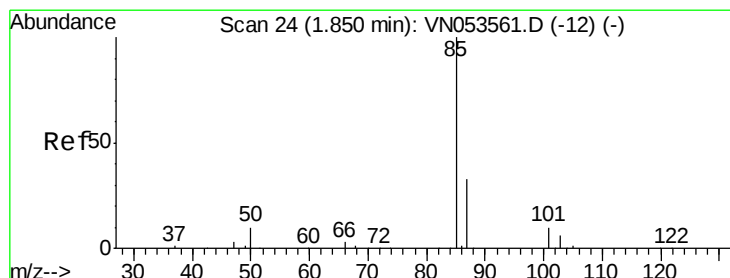
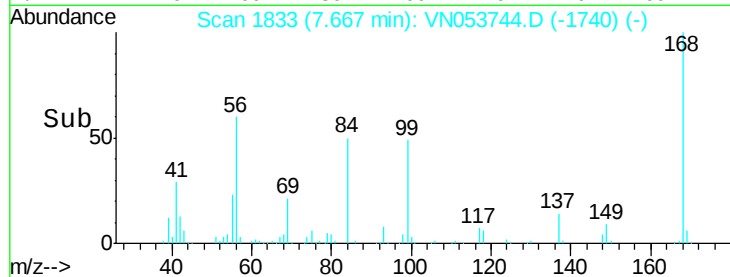
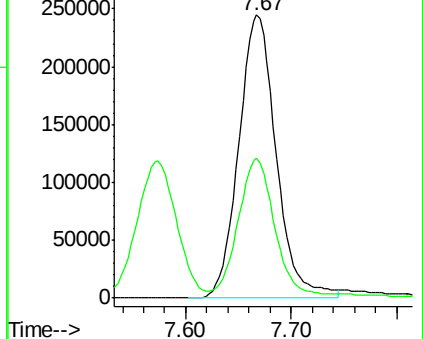
168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.234 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053744.D

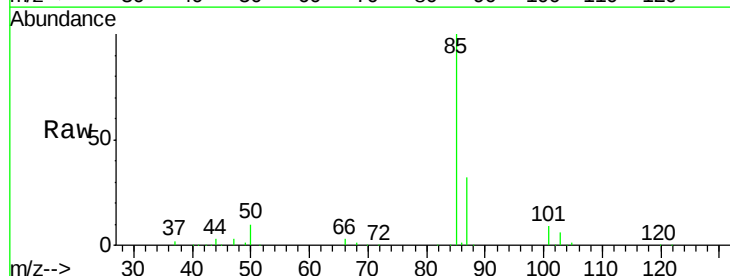
Acq: 12 Feb 2019 21:22

Tgt Ion: 85 Resp: 307902

Ion Ratio Lower Upper

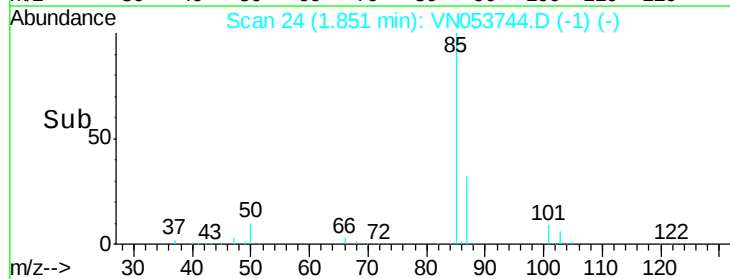
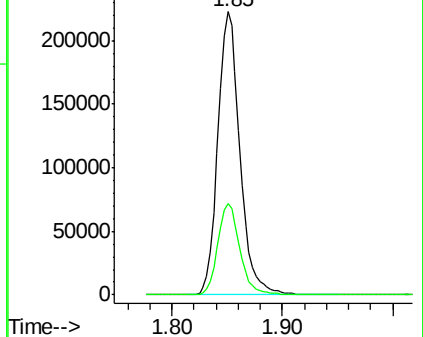
85 100

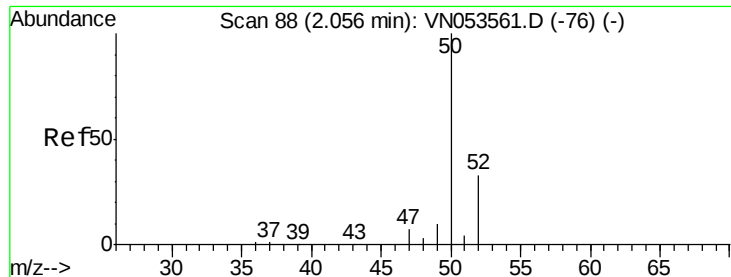
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.483 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

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ClientSampleId :

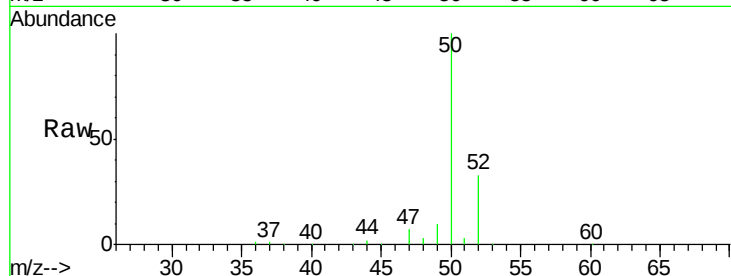
VSTDCCC050EC

Tot Ion: 50 Resp: 362130

Ion Ratio Lower Upper

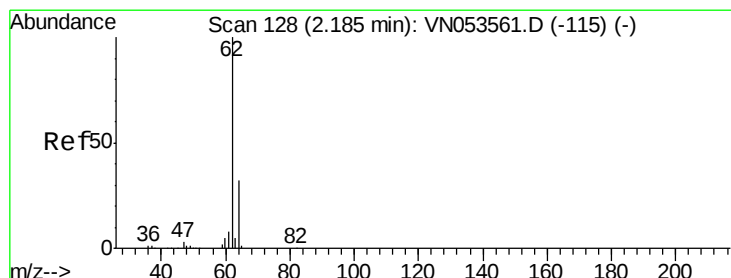
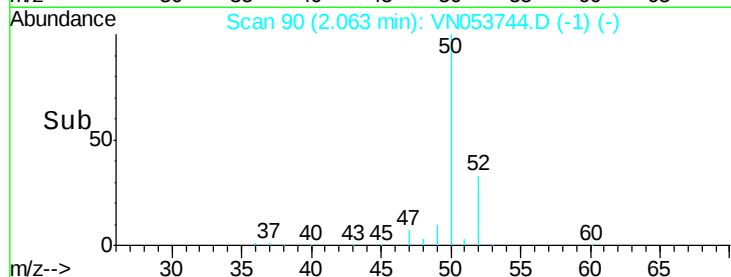
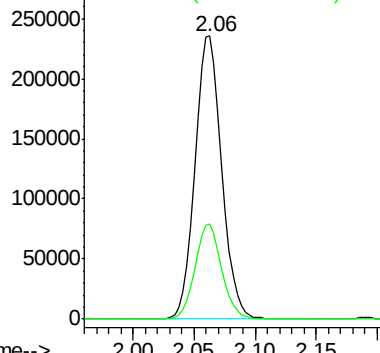
50 100

52 33.5 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 53.764 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053744.D

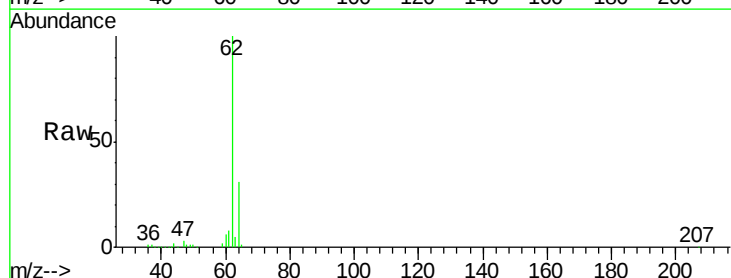
Acq: 12 Feb 2019 21:22

Tgt Ion: 62 Resp: 374378

Ion Ratio Lower Upper

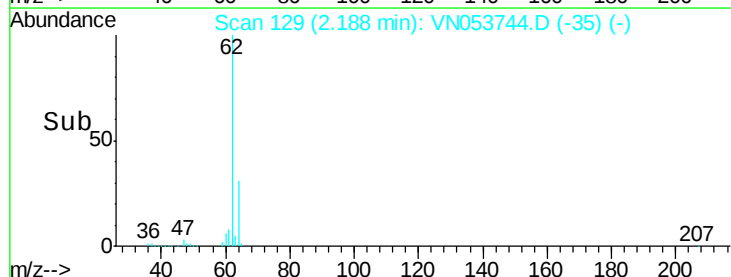
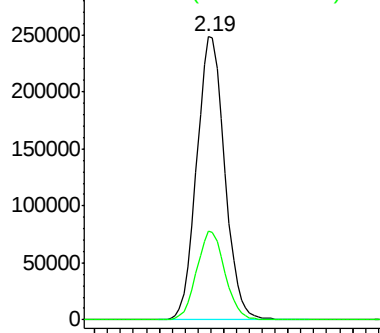
62 100

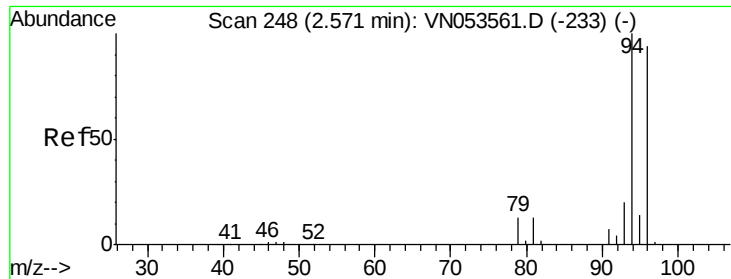
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

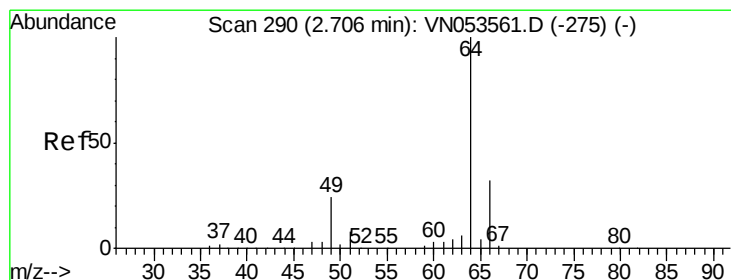
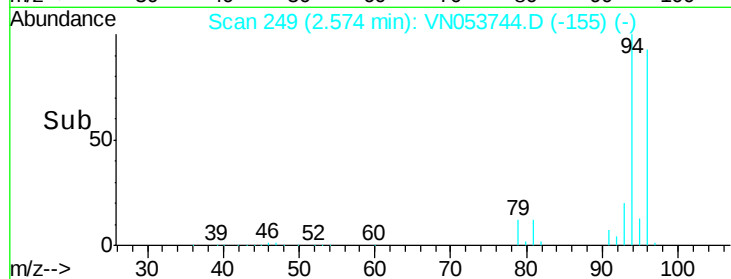
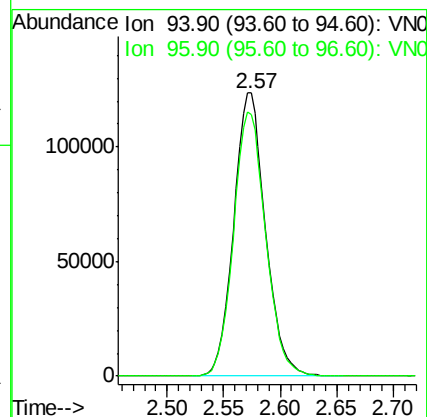
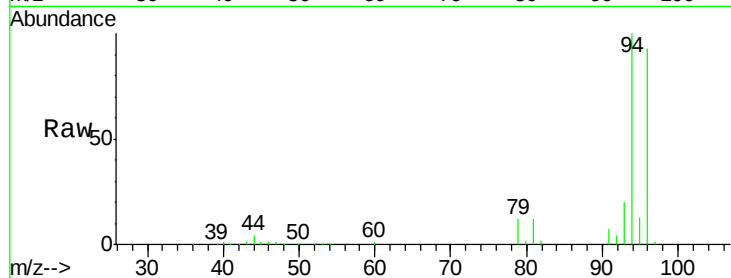




#5
Bromomethane
Concen: 52.893 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

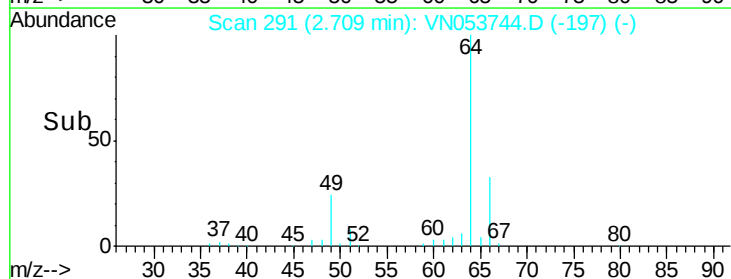
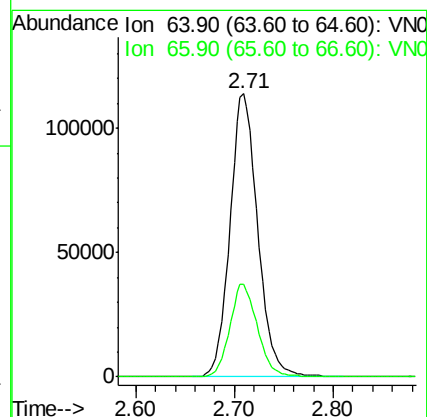
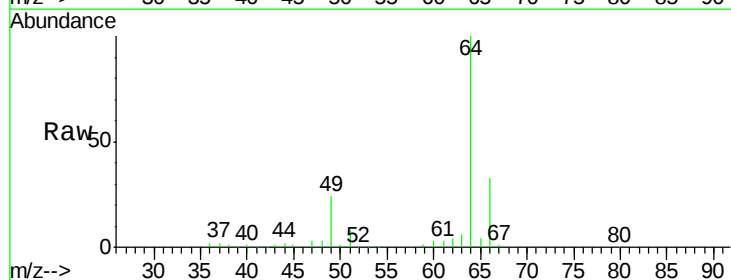
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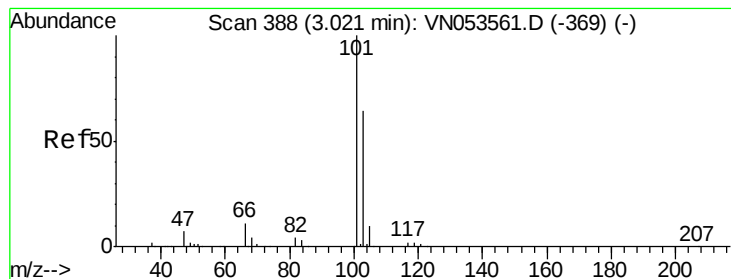
Tot Ion: 94 Resp: 240820
Ion Ratio Lower Upper
94 100
96 92.6 76.8 115.2



#6
Chloroethane
Concen: 56.378 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 64 Resp: 224340
Ion Ratio Lower Upper
64 100
66 32.8 25.1 37.7



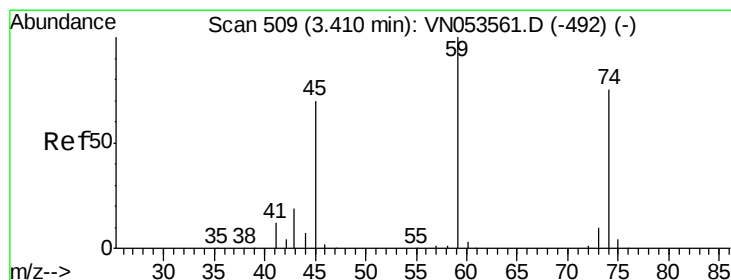
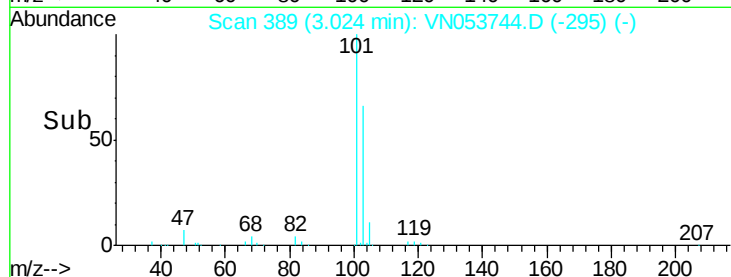
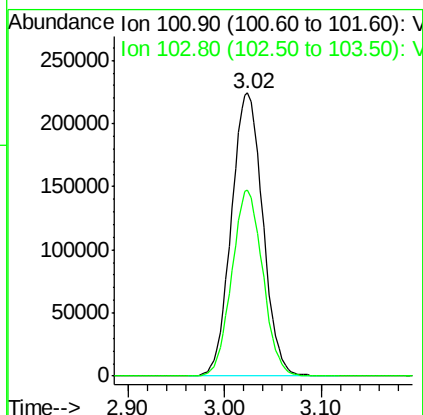
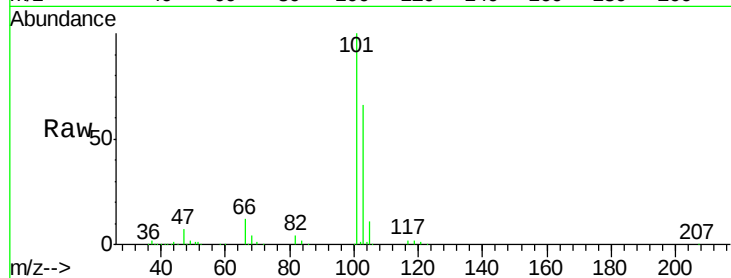


#7

Trichlorofluoromethane
Concen: 53.572 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053744.D
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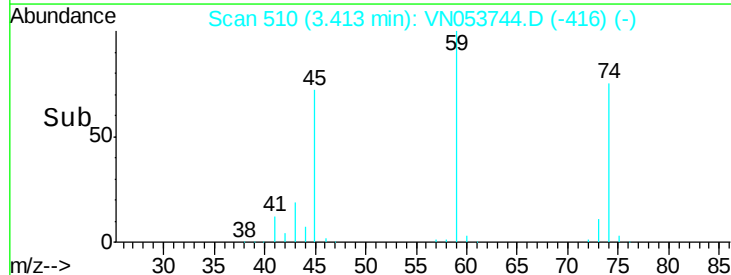
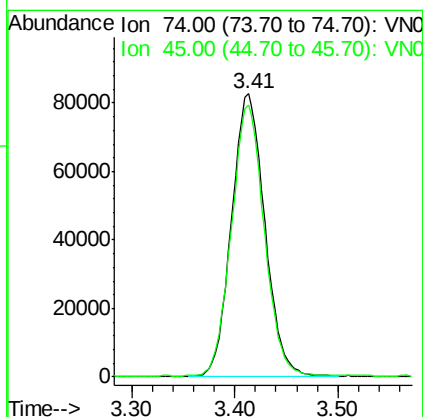
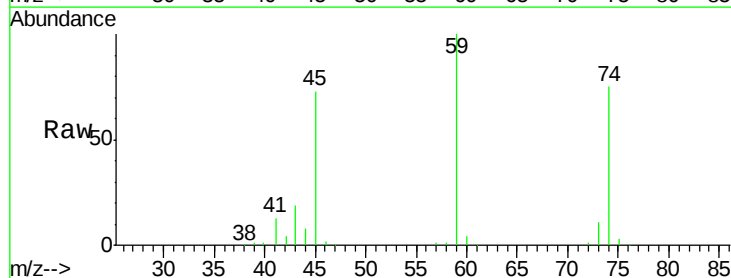
Tot Ion:101 Resp: 505869
Ion Ratio Lower Upper
101 100
103 65.9 51.6 77.4



#8

Diethyl Ether
Concen: 54.059 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 74 Resp: 186428
Ion Ratio Lower Upper
74 100
45 93.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.739 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

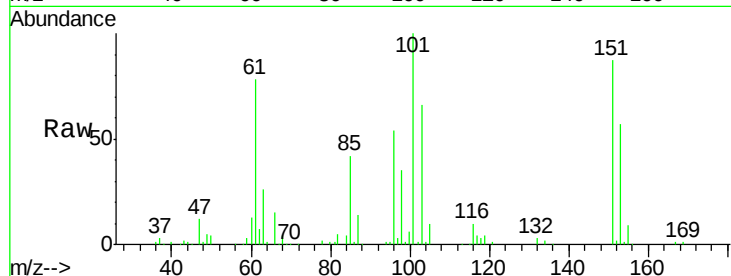
Tot Ion:101 Resp: 278792

Ion Ratio Lower Upper

101 100

85 41.8 32.8 49.2

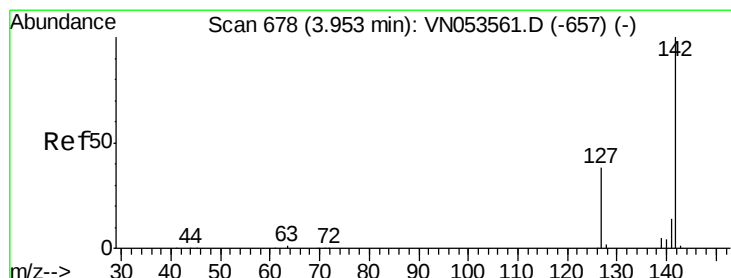
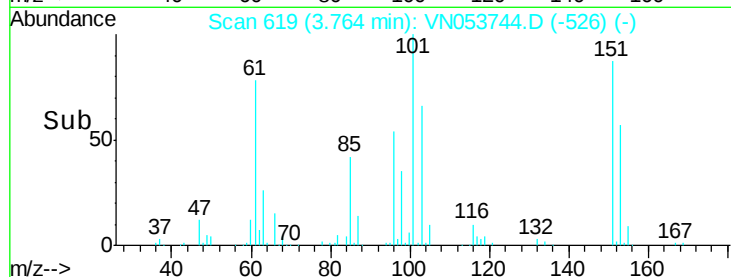
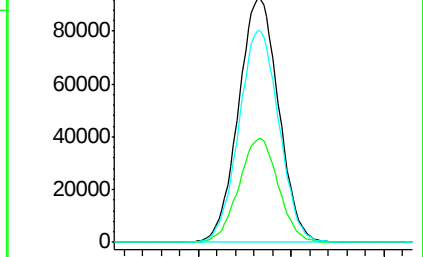
151 86.6 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.897 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

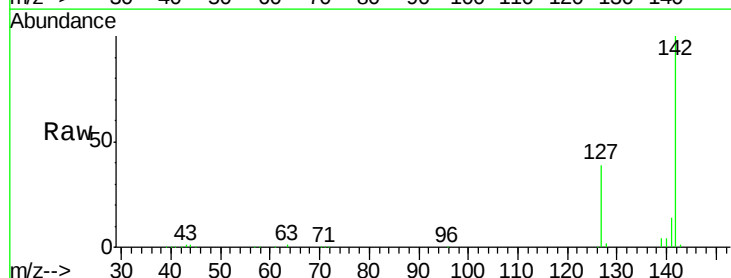
Tgt Ion:142 Resp: 457369

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

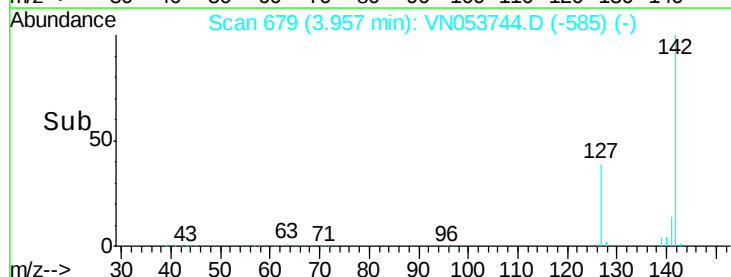
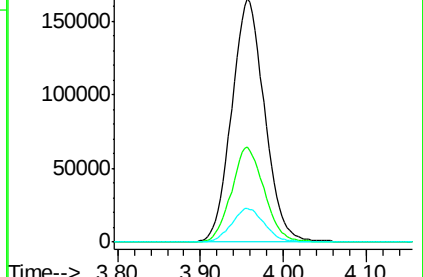
141 13.9 11.1 16.7

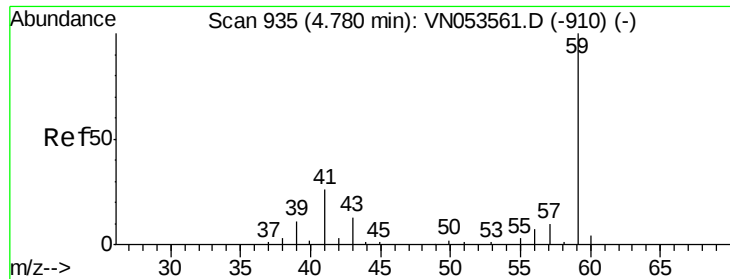


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

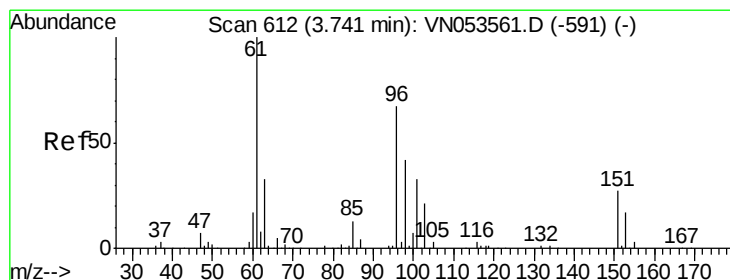
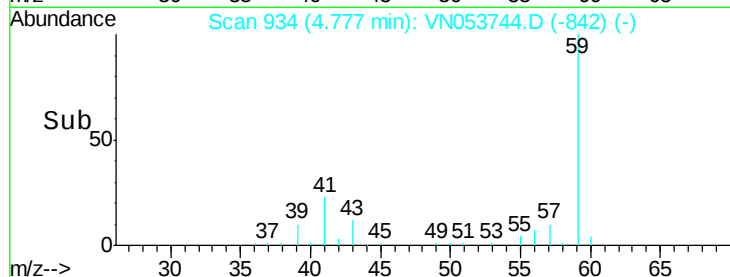
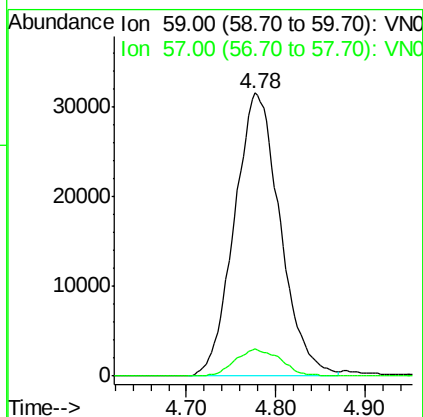
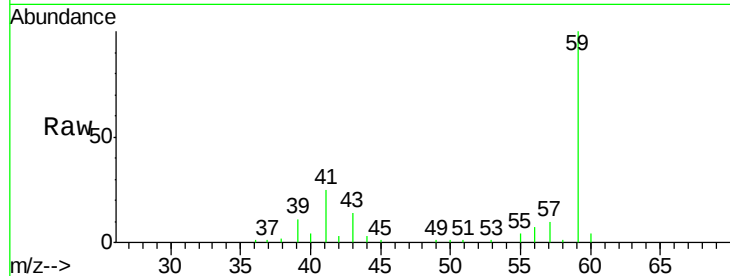




#11
Tert butyl alcohol
Concen: 313.695 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

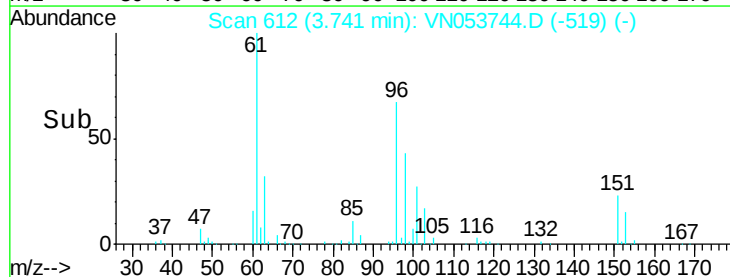
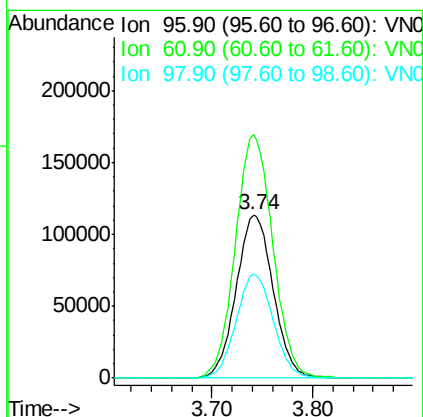
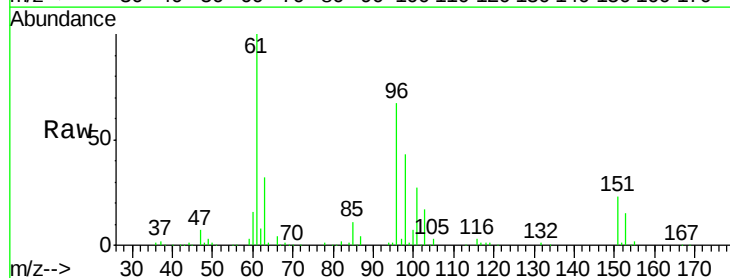
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

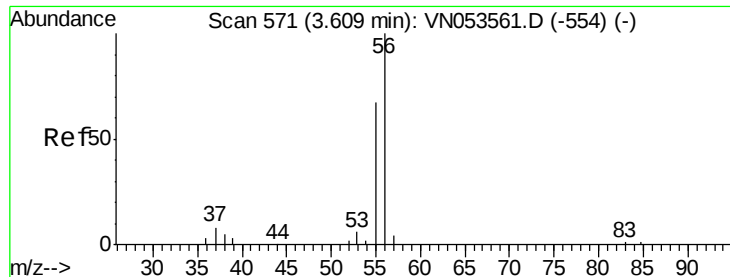
Tot Ion: 59 Resp: 112532
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.4



#12
1,1-Dichloroethene
Concen: 51.489 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 96 Resp: 288093
Ion Ratio Lower Upper
96 100
61 149.1 122.9 184.3
98 63.6 49.4 74.0





#13

Acrolein

Concen: 323.905 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

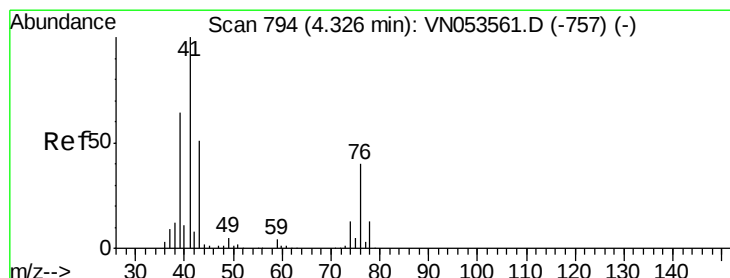
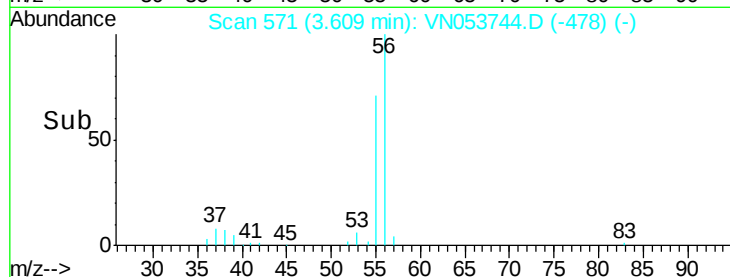
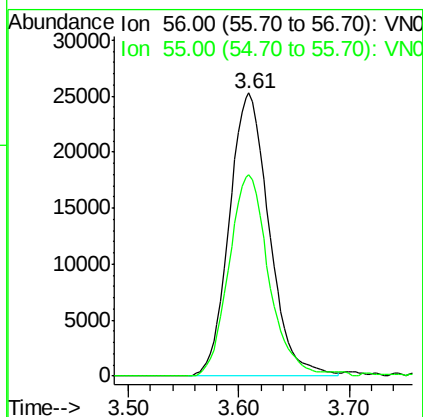
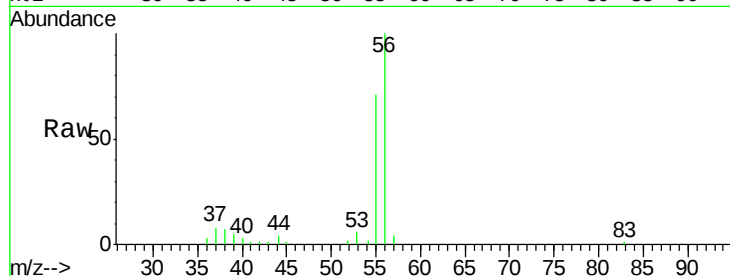
VSTDCCC050EC

Tot Ion: 56 Resp: 63263

Ion Ratio Lower Upper

56 100

55 71.2 57.4 86.0



#14

Allyl chloride

Concen: 48.921 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

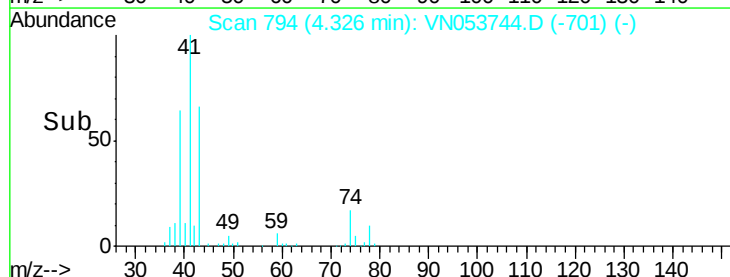
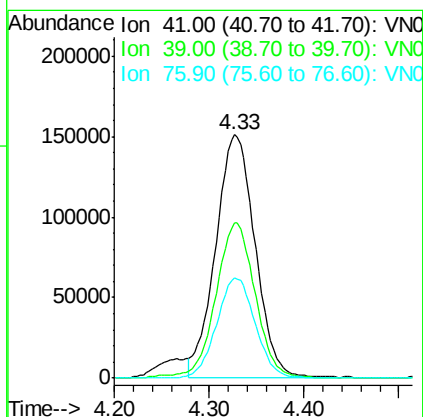
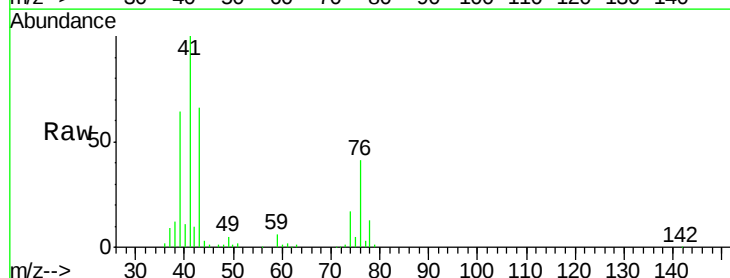
Tgt Ion: 41 Resp: 435825

Ion Ratio Lower Upper

41 100

39 64.6 48.9 73.3

76 39.6 29.4 44.2





#15

Acrylonitrile

Concen: 302.197 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

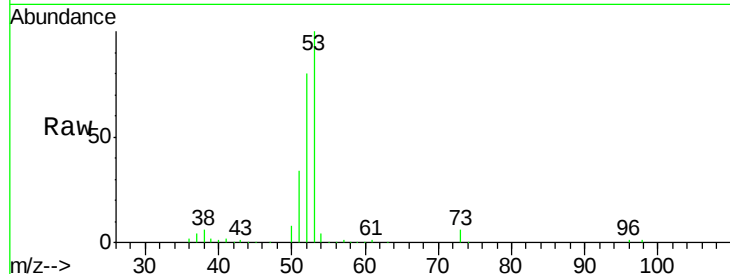
Tot Ion: 53 Resp: 585238

Ion Ratio Lower Upper

53 100

52 81.1 66.0 99.0

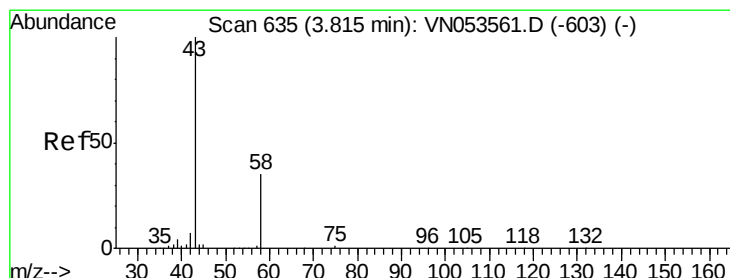
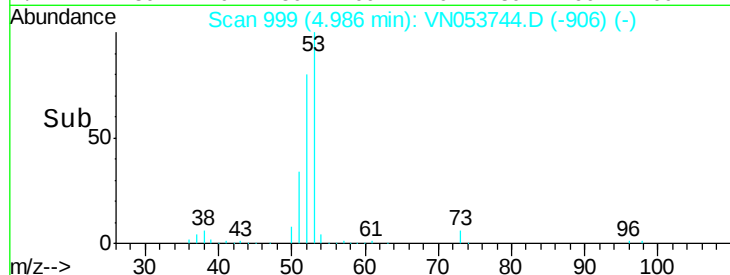
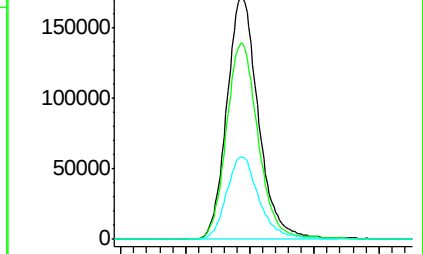
51 35.2 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053561.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN053561.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN053561.D (-975) (-)



#16

Acetone

Concen: 241.935 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053744.D

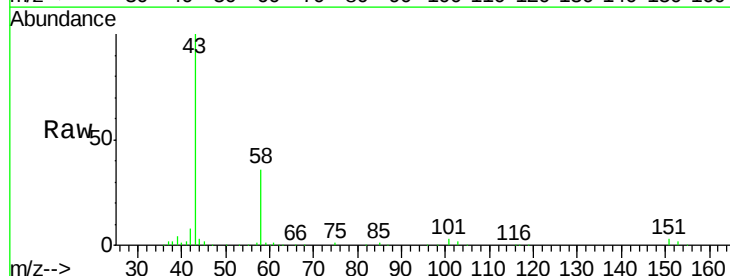
Acq: 12 Feb 2019 21:22

Tgt Ion: 43 Resp: 376155

Ion Ratio Lower Upper

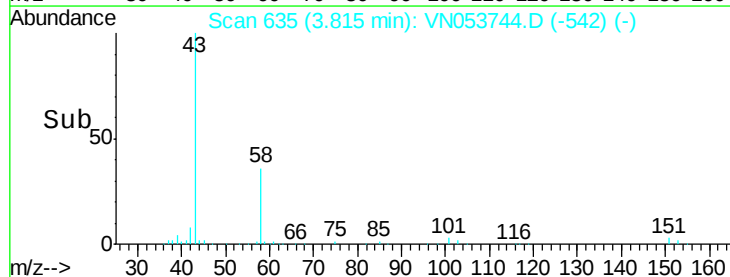
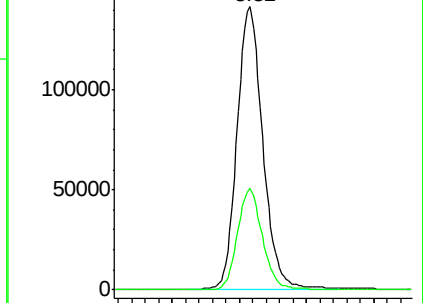
43 100

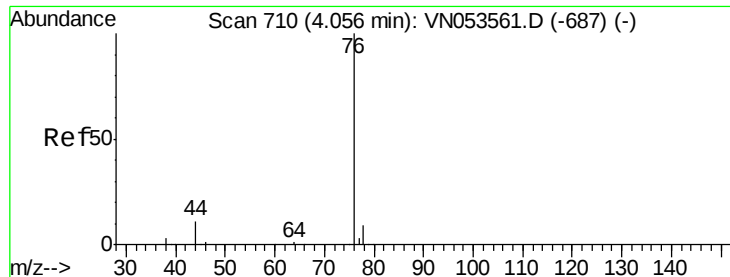
58 35.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-603) (-)

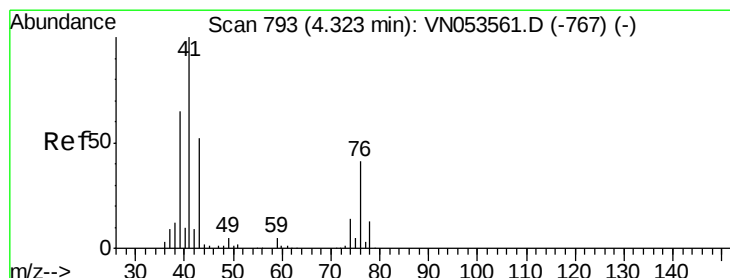
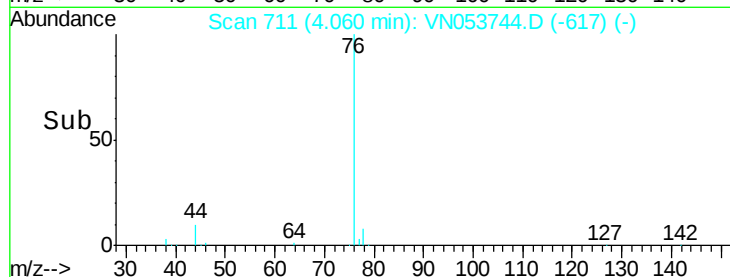
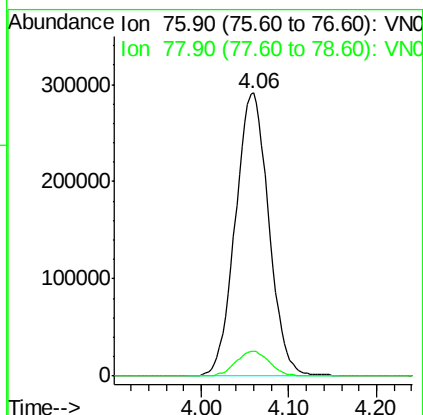
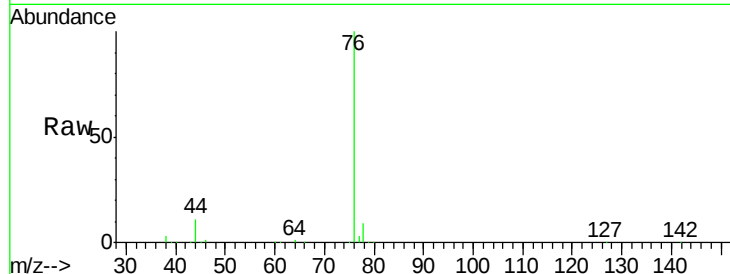




#17
Carbon Disulfide
Concen: 44.349 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

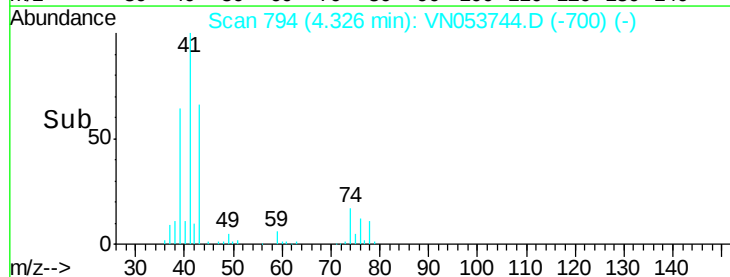
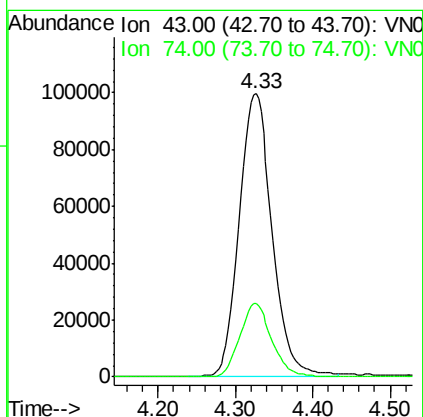
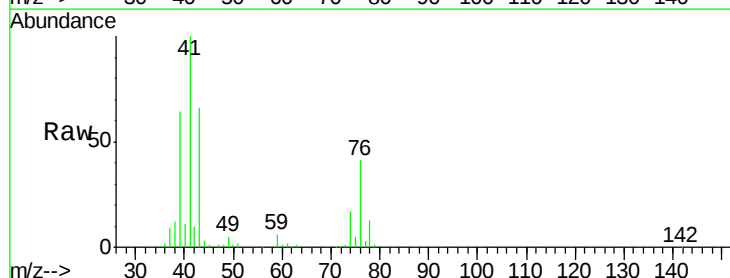
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

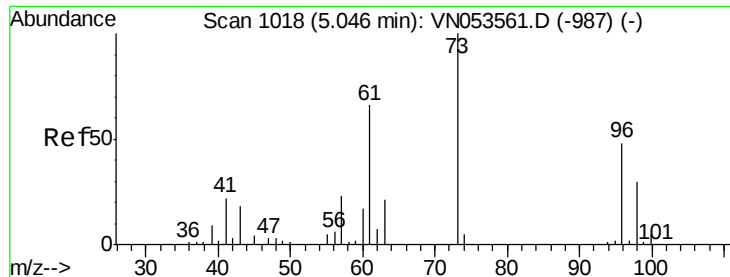
Tot Ion: 76 Resp: 772665
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 63.716 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 43 Resp: 293382
Ion Ratio Lower Upper
43 100
74 25.2 19.4 29.2

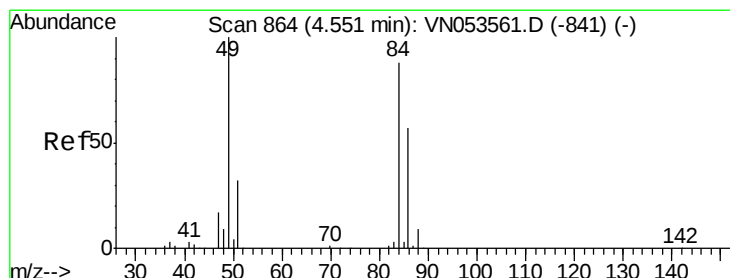
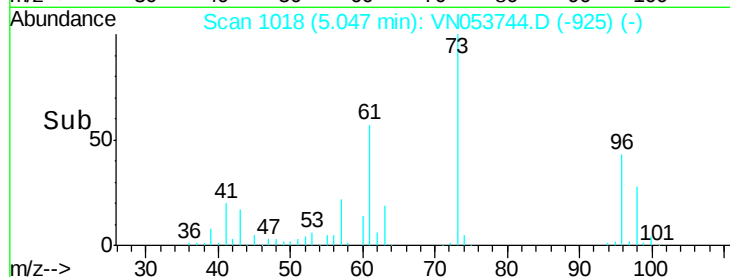
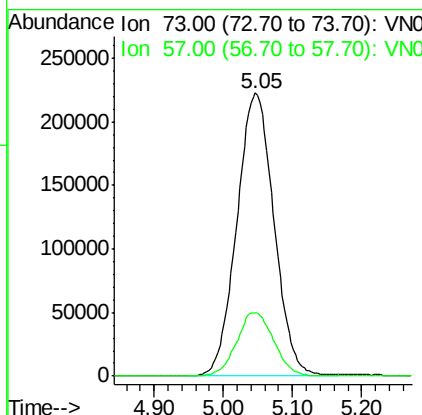
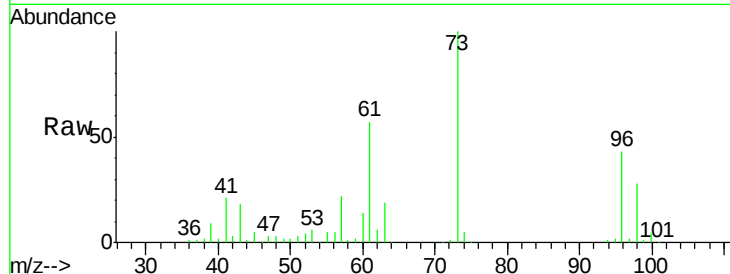




#19
Methvl tert-butvl Ether
Concen: 58.666 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

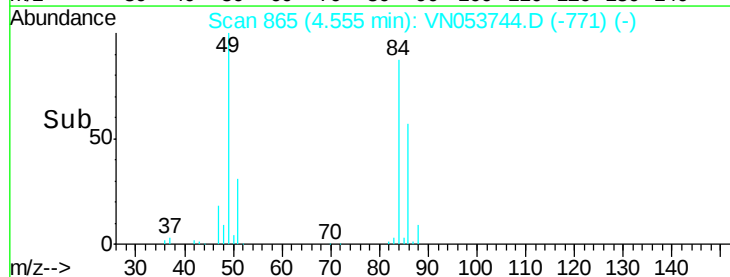
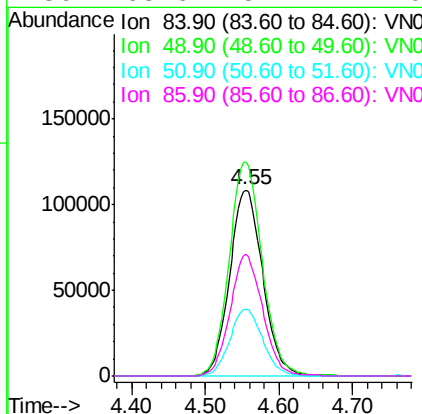
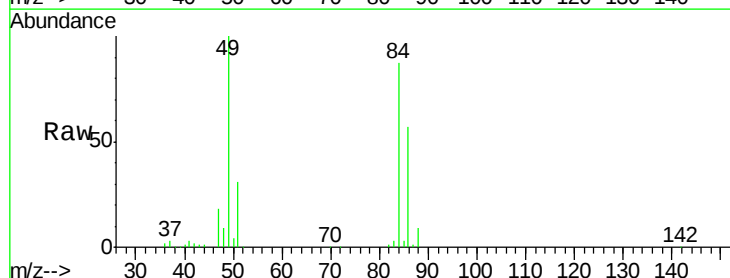
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

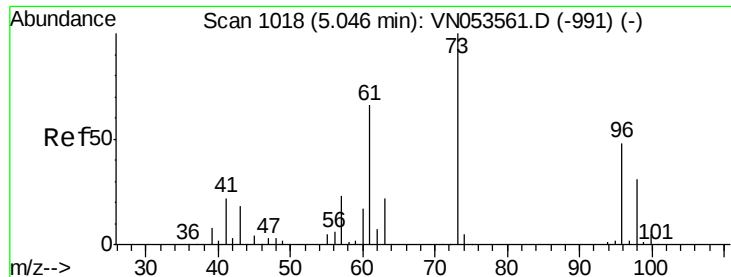
Tot Ion: 73 Resp: 832117
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5



#20
Methylene Chloride
Concen: 52.003 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 84 Resp: 339212
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 35.9 29.4 44.2
86 65.6 51.4 77.0

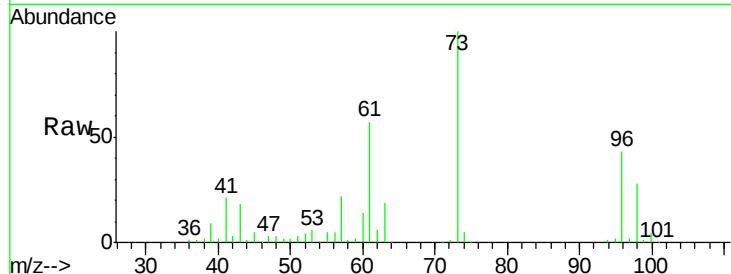




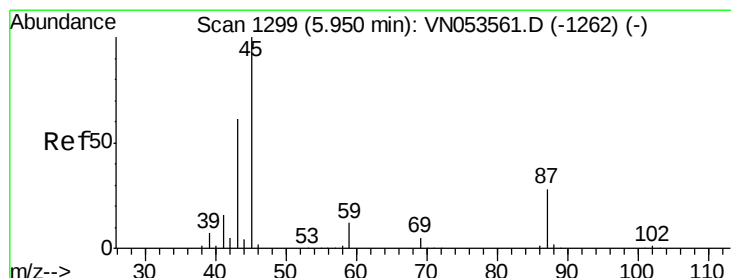
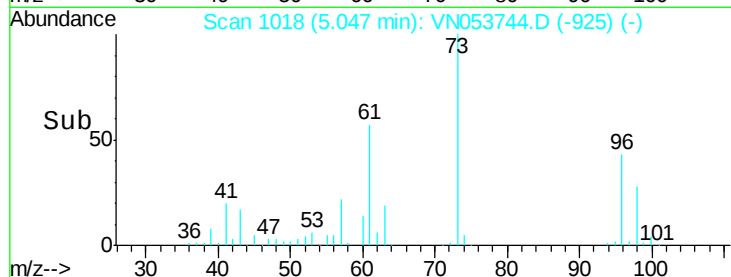
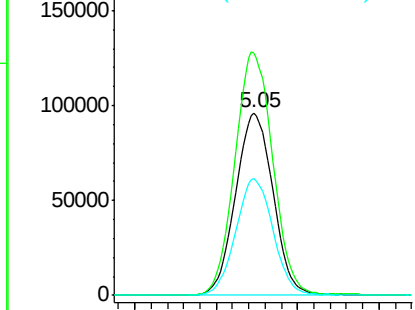
#21
trans-1,2-Dichloroethene
Concen: 50.708 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 306097
Ion Ratio Lower Upper
96 100
61 133.0 110.1 165.1
98 64.1 50.0 75.0

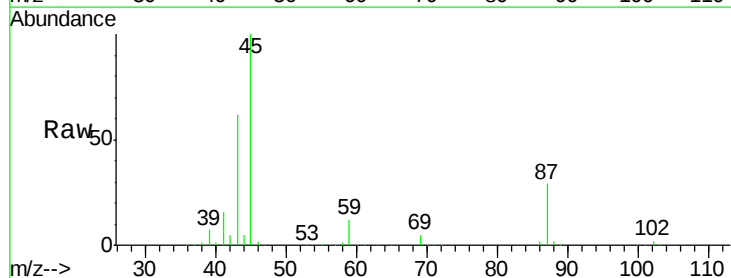


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

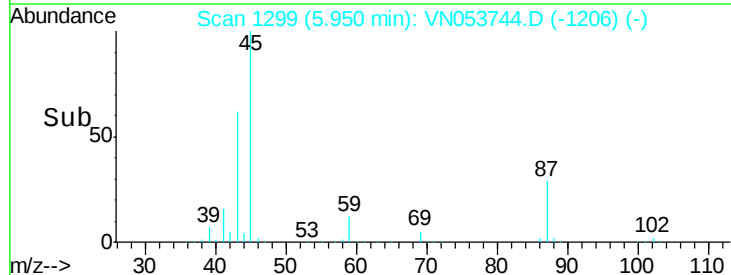
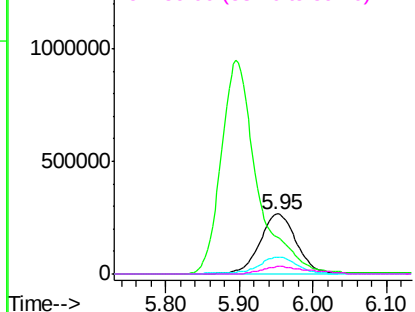


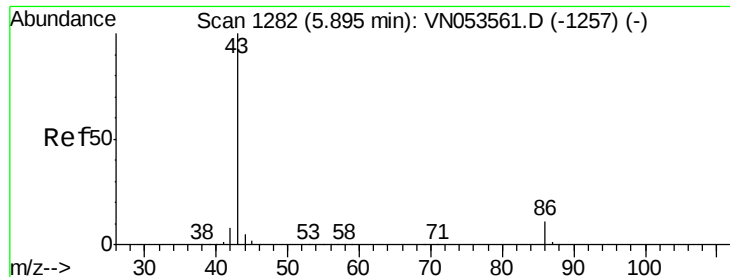
#22
Diisopropyl ether
Concen: 56.026 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 45 Resp: 924839
Ion Ratio Lower Upper
45 100
43 61.3 44.2 66.4
87 28.0 22.7 34.1
59 11.9 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

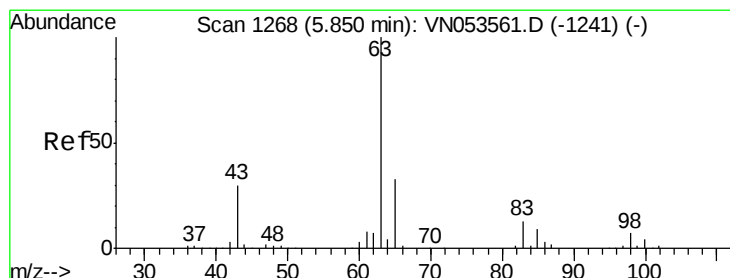
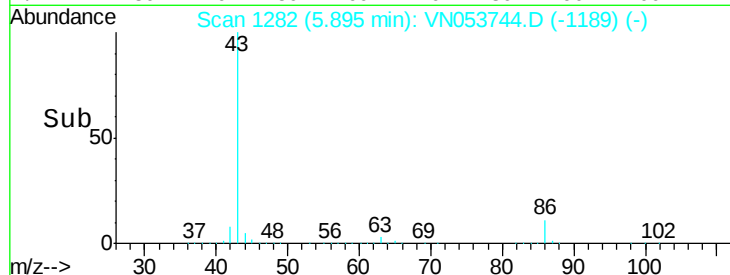
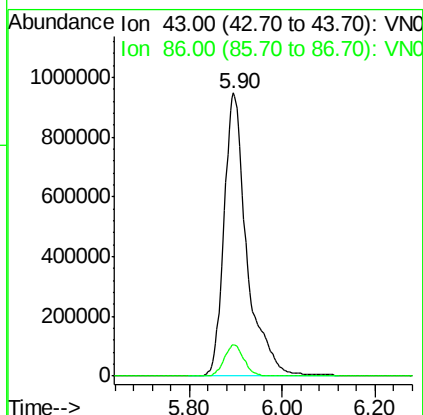
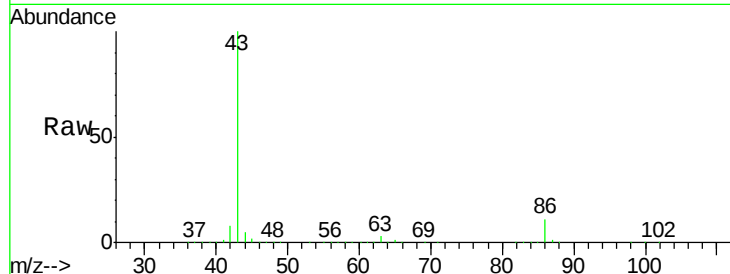




#23
 Vinyl Acetate
 Concen: 284.257 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

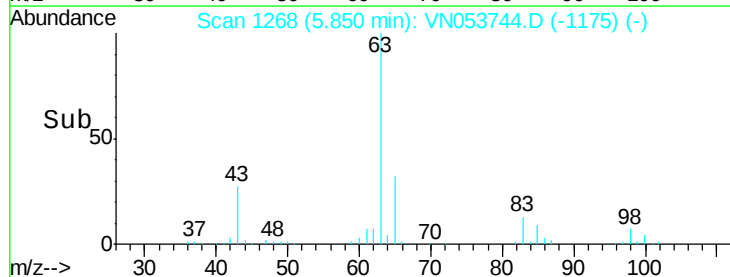
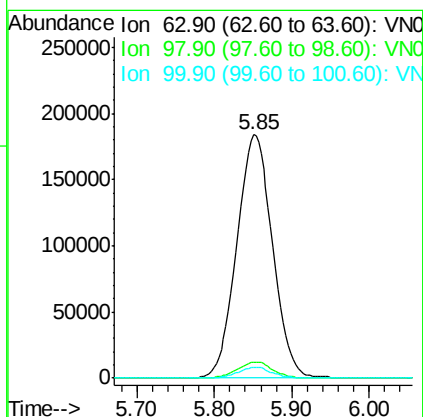
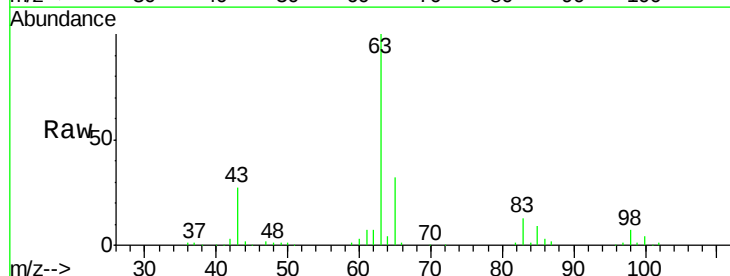
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

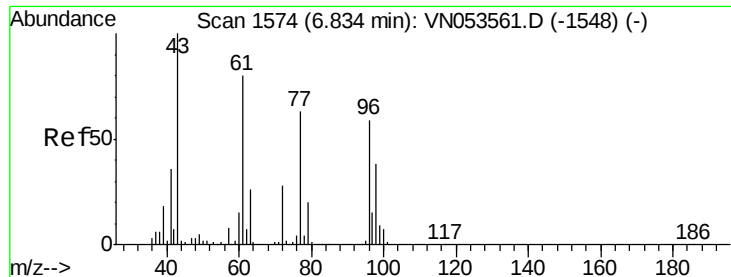
Tot Ion: 43 Resp: 3246044
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 53.540 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion: 63 Resp: 589484
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 282.626 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

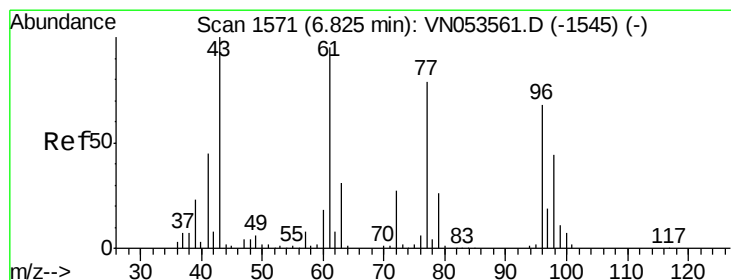
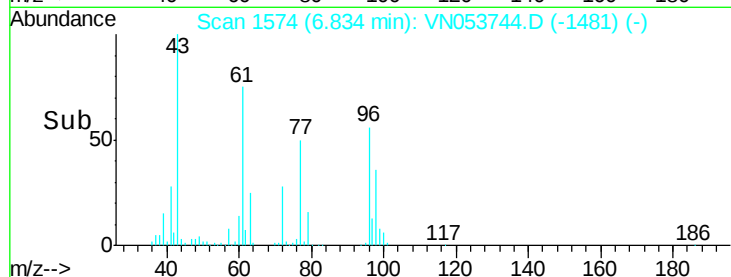
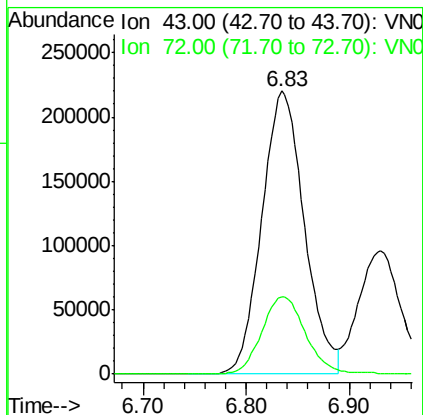
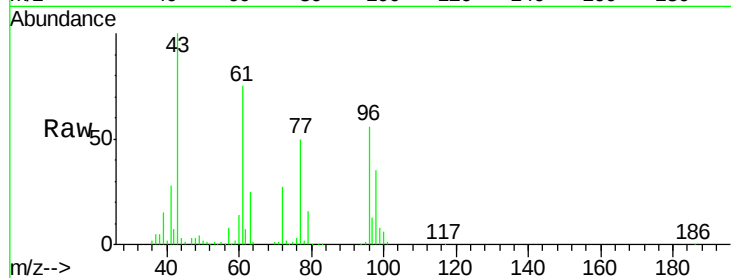
VSTDCCC050EC

Tot Ion: 43 Resp: 626710

Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0



#26

2,2-Dichloropropane

Concen: 44.279 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053744.D

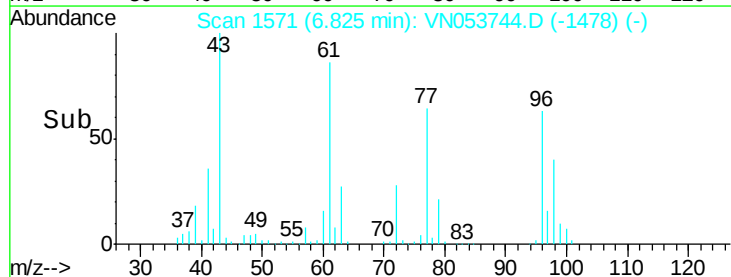
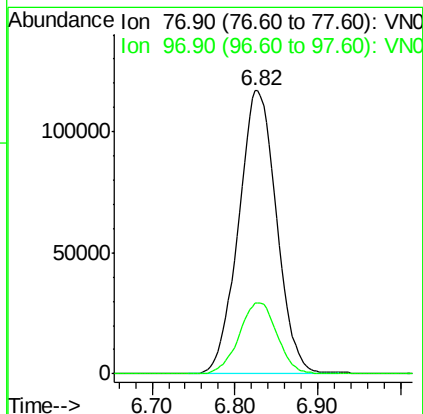
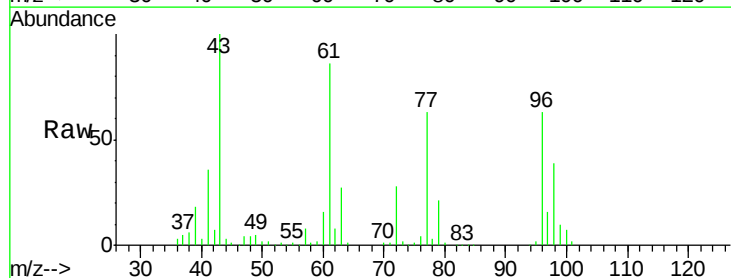
Acq: 12 Feb 2019 21:22

Tgt Ion: 77 Resp: 372153

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.776 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

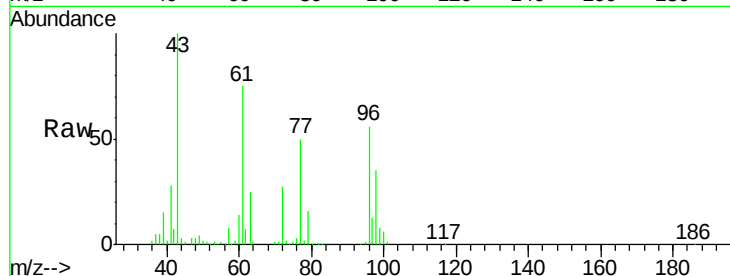
Tot Ion: 96 Resp: 360963

Ion Ratio Lower Upper

96 100

61 135.8 0.0 283.8

98 63.6 0.0 129.2

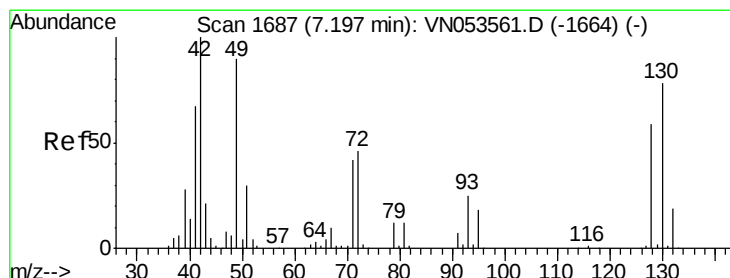
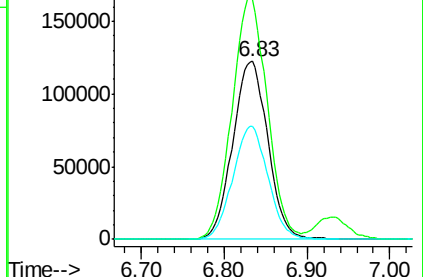
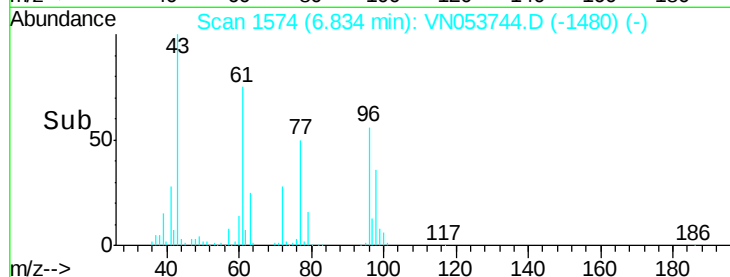


Abundance Ion 95.90 (95.60 to 96.60): VN053744.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053744.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053744.D (-1480) (-)

6.83



#28

Bromochloromethane

Concen: 54.434 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

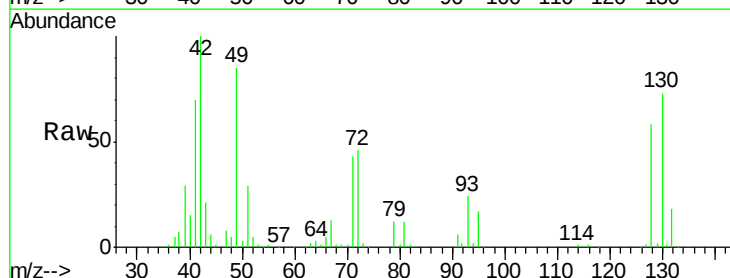
Tgt Ion: 49 Resp: 260082

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 86.4 66.3 99.5

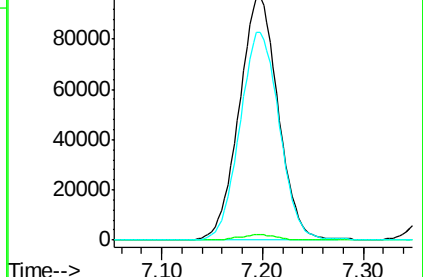
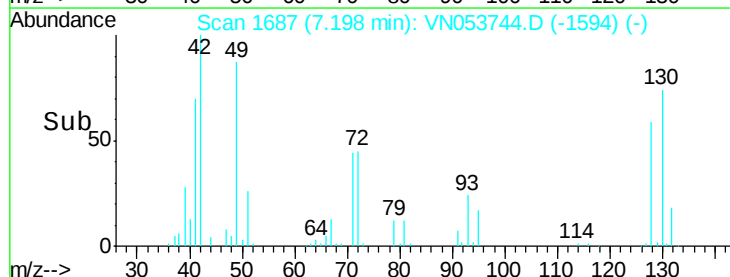


Abundance Ion 48.90 (48.60 to 49.60): VN053744.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053744.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053744.D (-1594) (-)

7.20





#29

Tetrahydrofuran

Concen: 299.009 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

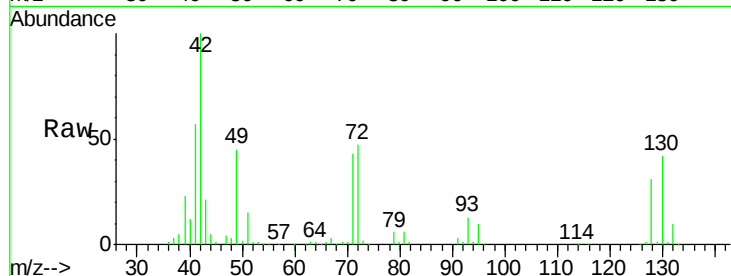
Tot Ion: 42 Resp: 425757

Ion Ratio Lower Upper

42 100

72 45.9 35.2 52.8

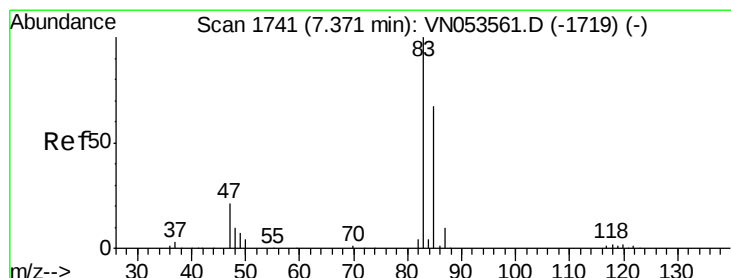
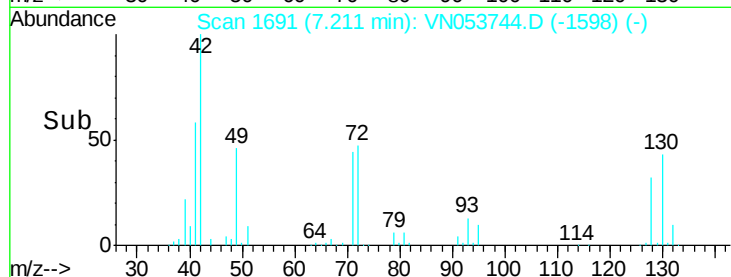
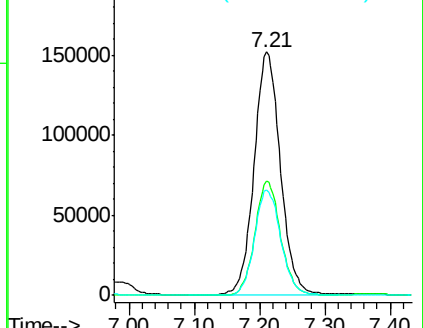
71 43.2 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 53.435 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053744.D

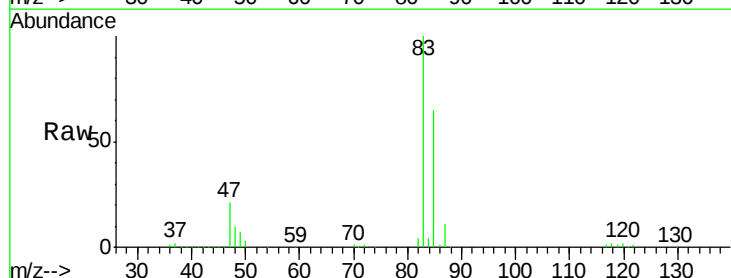
Acq: 12 Feb 2019 21:22

Tgt Ion: 83 Resp: 583208

Ion Ratio Lower Upper

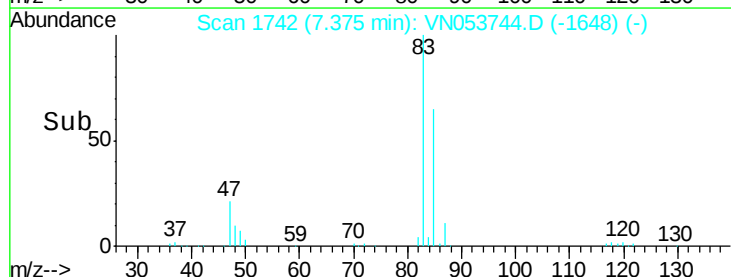
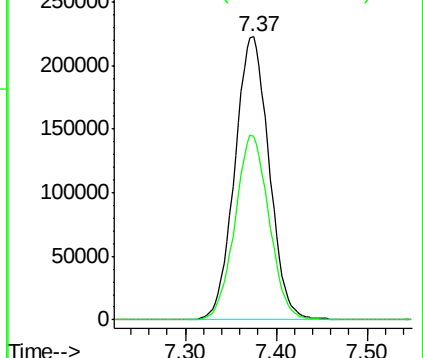
83 100

85 64.8 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 47.371 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

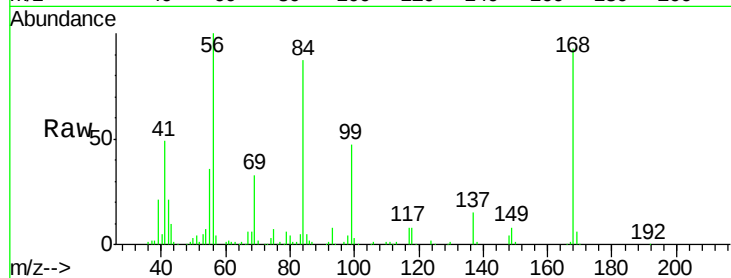
Tot Ion: 56 Resp: 485687

Ion Ratio Lower Upper

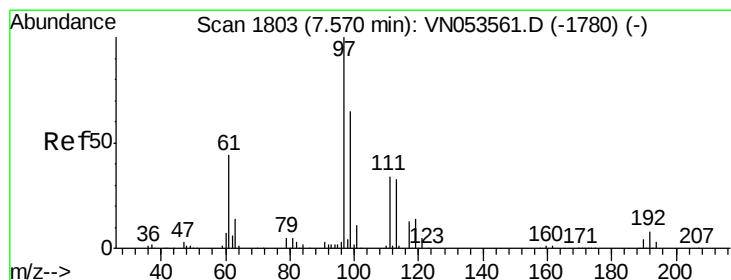
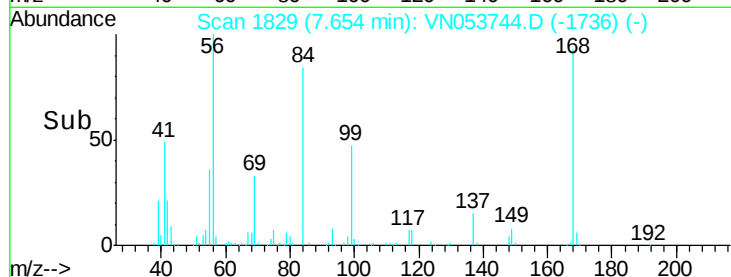
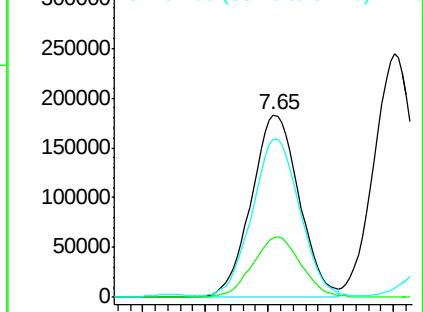
56 100

69 32.6 26.4 39.6

84 85.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 53.858 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

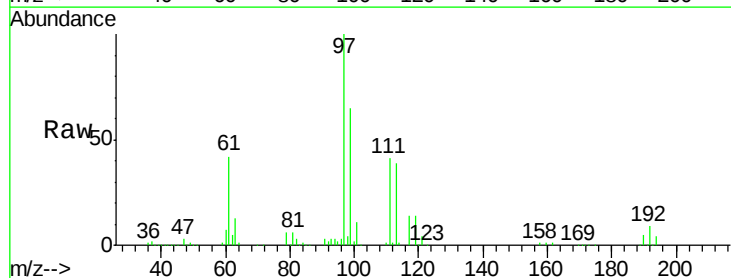
Tgt Ion: 97 Resp: 489188

Ion Ratio Lower Upper

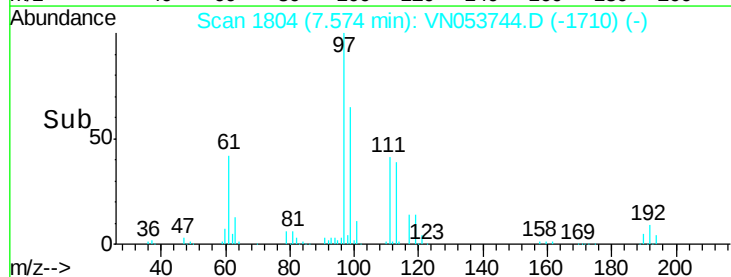
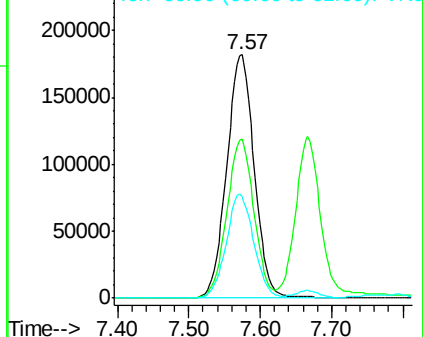
97 100

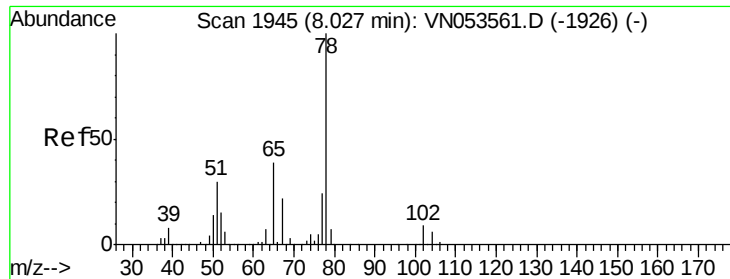
99 64.2 52.0 78.0

61 42.5 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

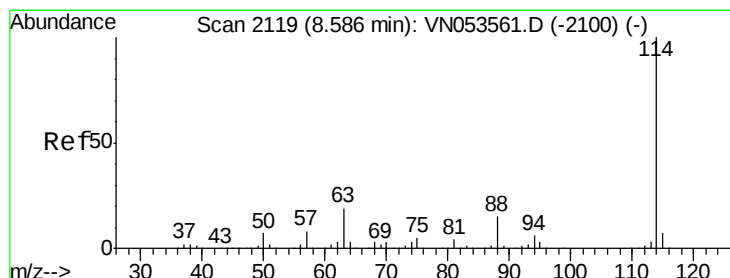
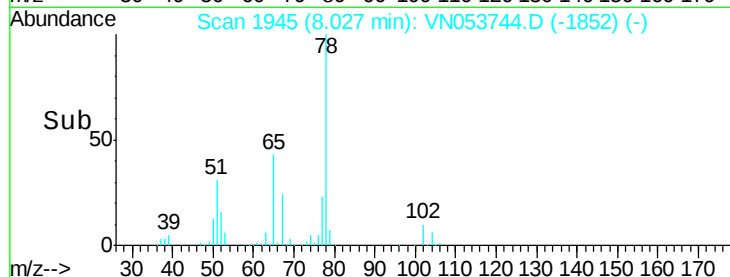
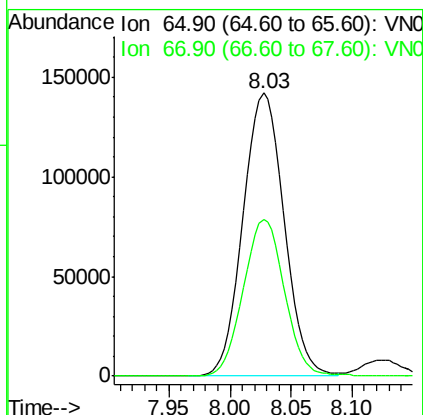
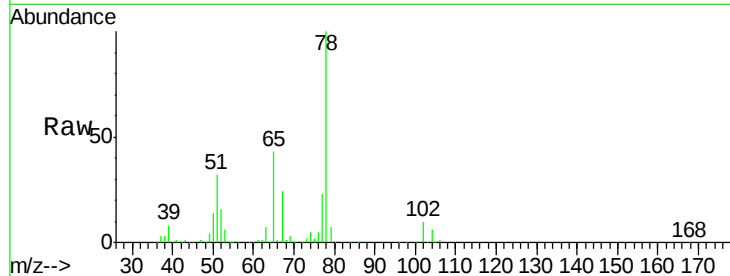




#33
 1,2-Dichloroethane-d4
 Concen: 54.757 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

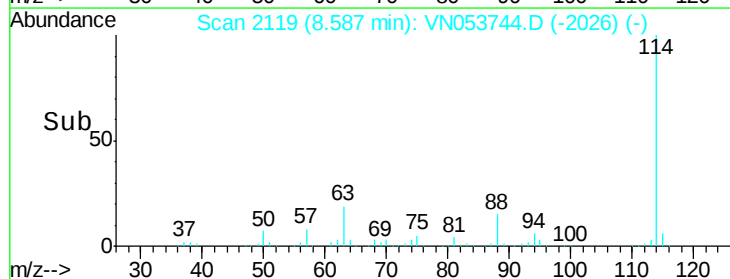
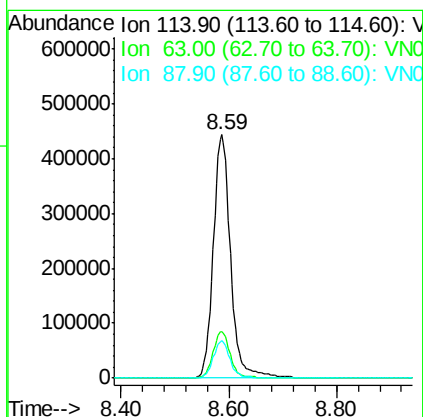
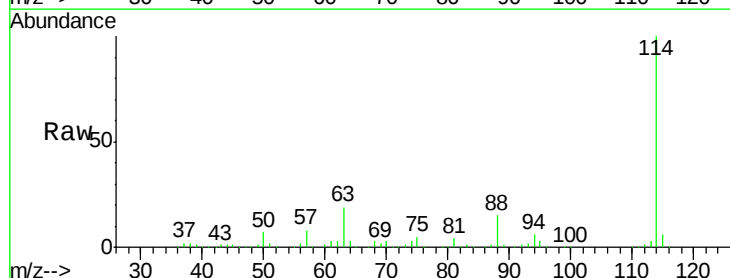
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

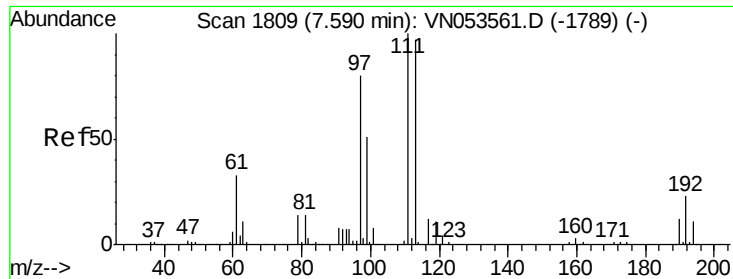
Tot Ion: 65 Resp: 331908
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion: 114 Resp: 996025
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.3 0.0 30.4

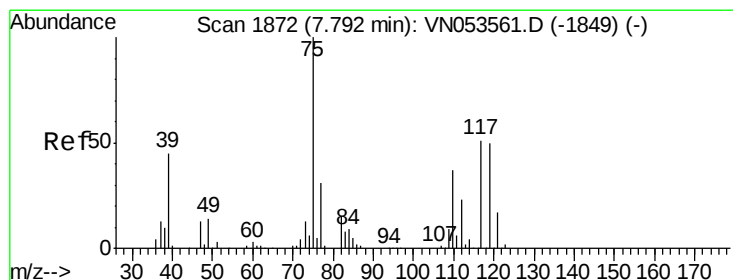
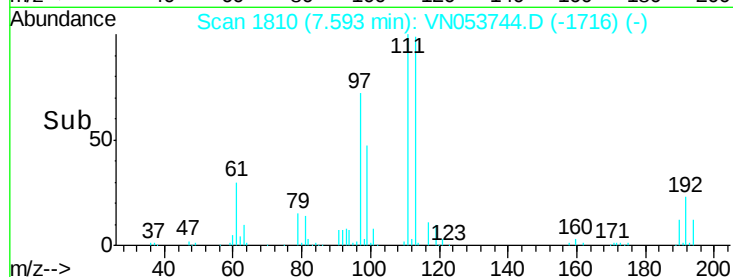
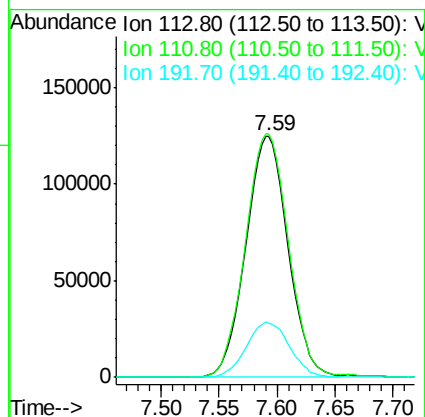
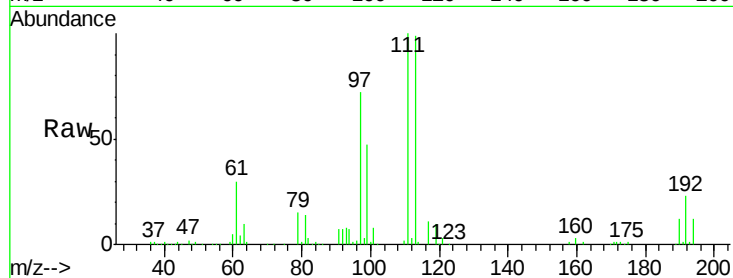




#35
Dibromofluoromethane
Concen: 50.073 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

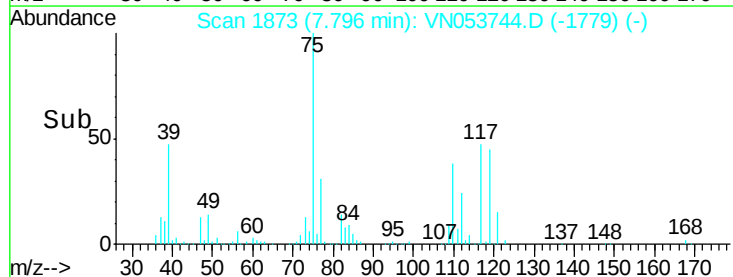
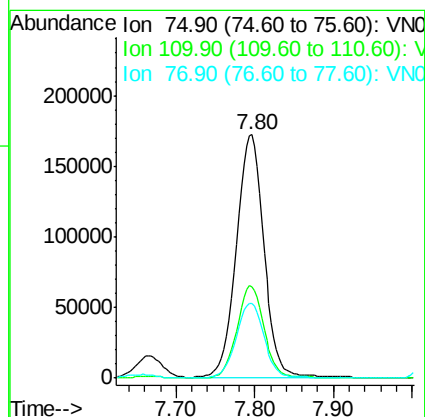
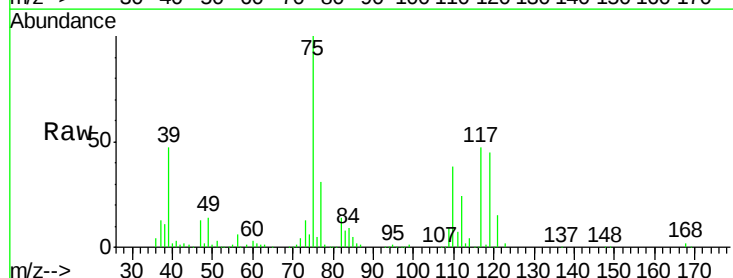
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

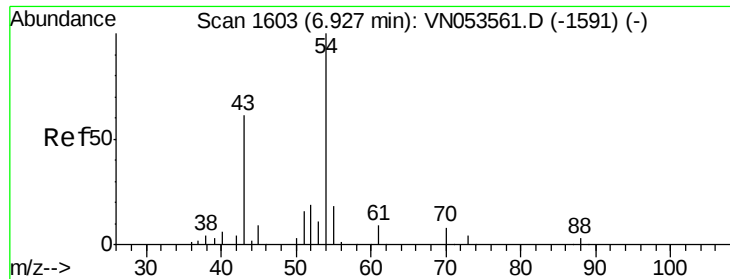
Tot Ion:113 Resp: 315138
Ion Ratio Lower Upper
113 100
111 104.0 81.1 121.7
192 23.5 18.2 27.2



#36
1,1-Dichloropropene
Concen: 46.787 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 75 Resp: 420077
Ion Ratio Lower Upper
75 100
110 37.4 18.1 54.3
77 31.2 25.1 37.7

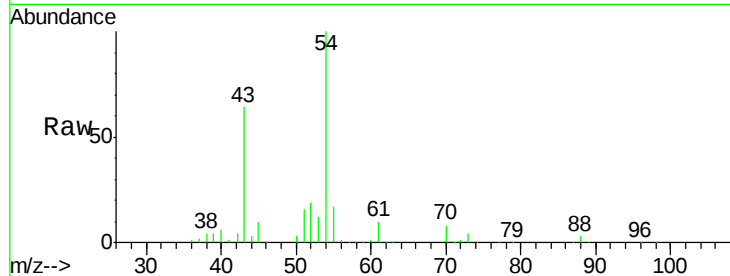




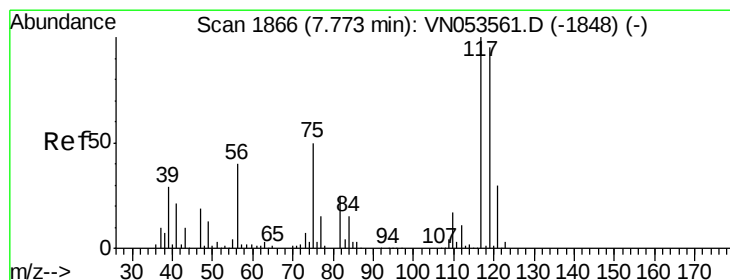
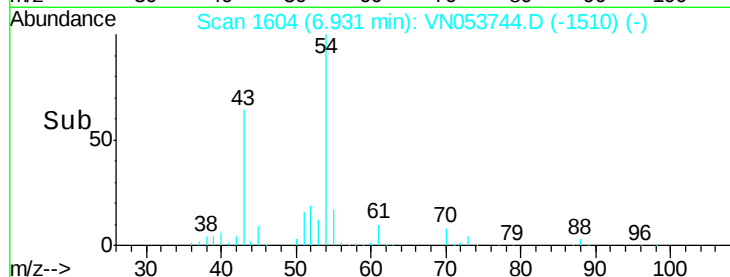
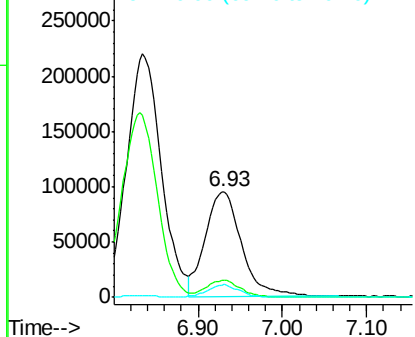
#37
Ethyl Acetate
Concen: 56.407 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 282856
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 10.5 8.6 12.8

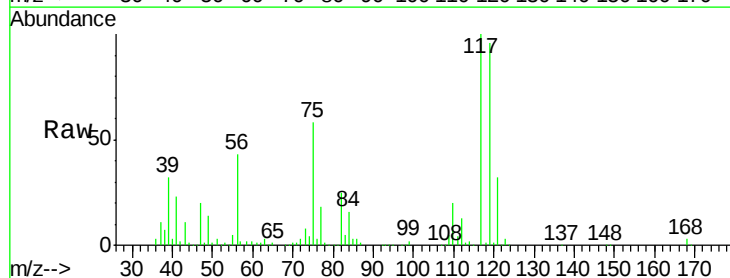


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

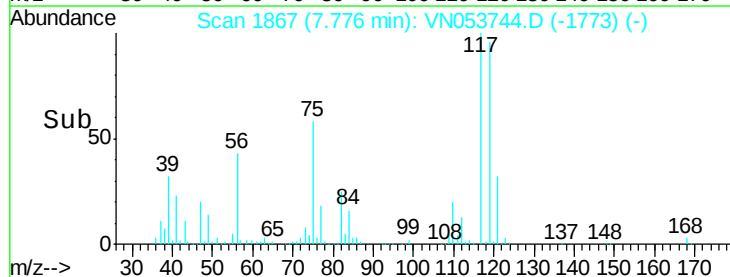
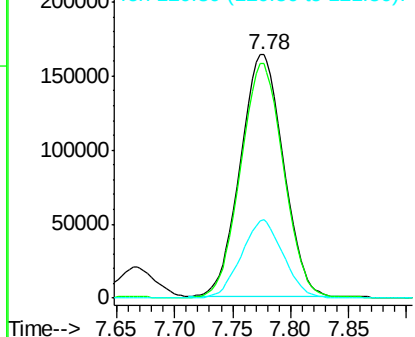


#38
Carbon Tetrachloride
Concen: 46.862 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 117 Resp: 423863
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8
121 32.4 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

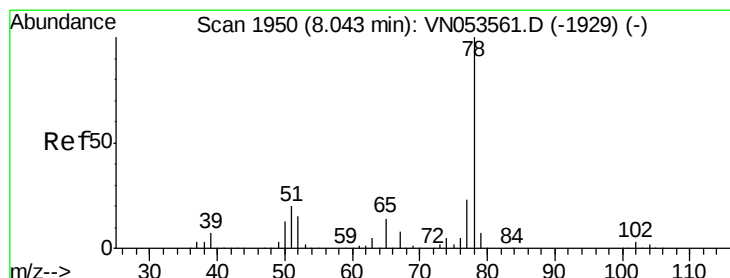
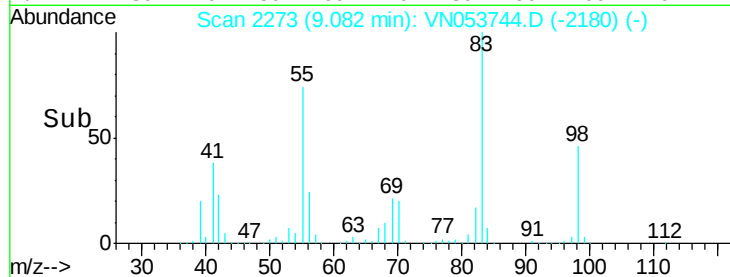
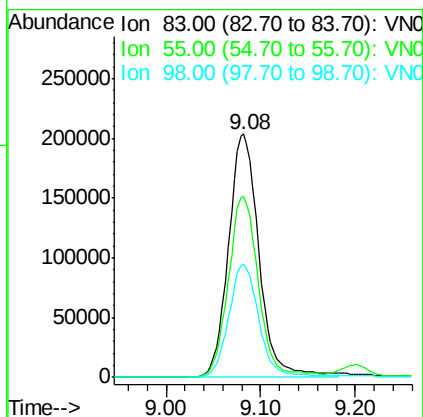
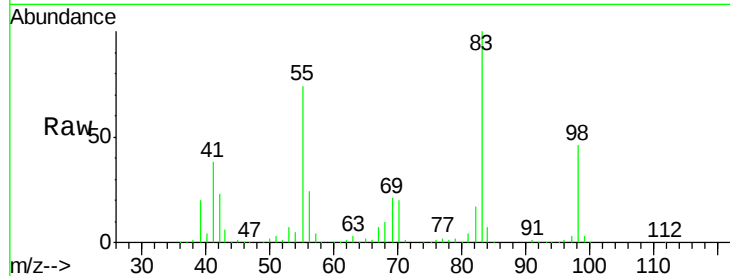




#39
Methvlcvclohexane
Concen: 42.927 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

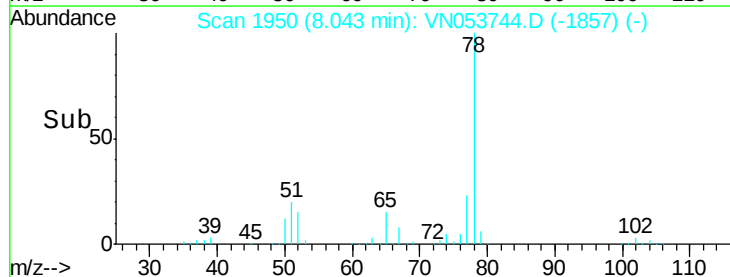
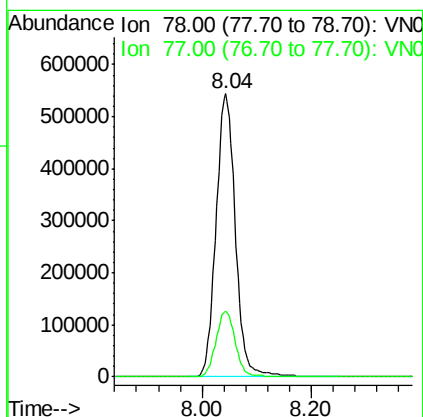
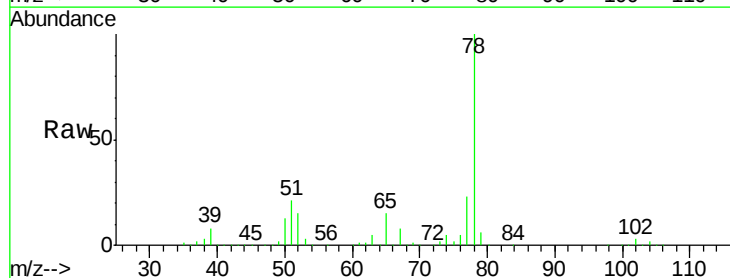
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

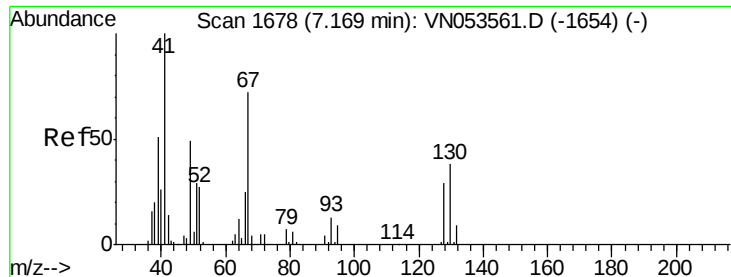
Tot Ion: 83 Resp: 457265
Ion Ratio Lower Upper
83 100
55 74.2 60.1 90.1
98 46.5 36.6 55.0



#40
Benzene
Concen: 48.231 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 78 Resp: 1335396
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

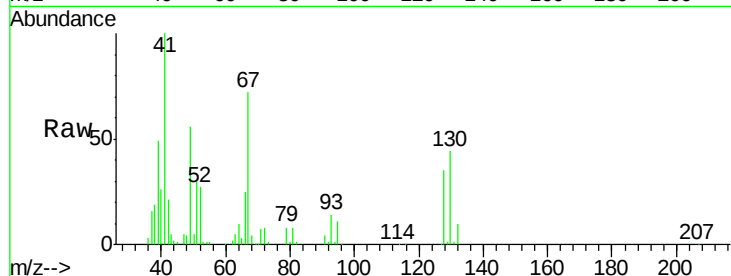




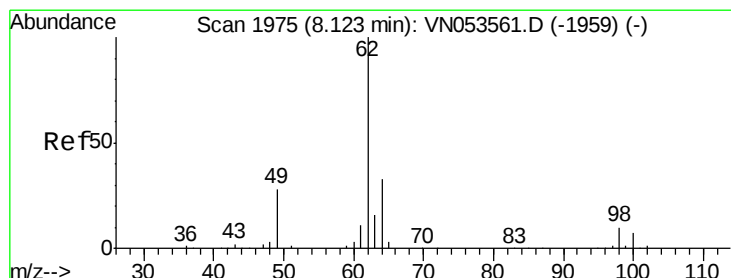
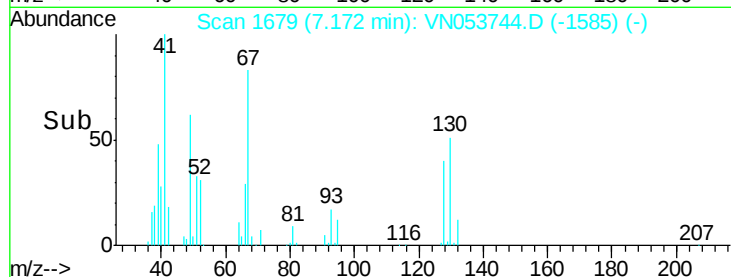
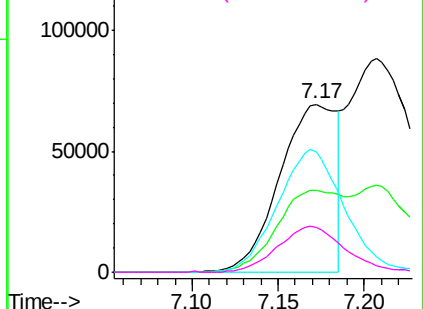
#41
Methacrylonitrile
Concen: 57.054 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 159902
Ion Ratio Lower Upper
41 100
39 58.3 46.8 70.2
67 86.2 63.0 94.6
52 31.4 23.8 35.8

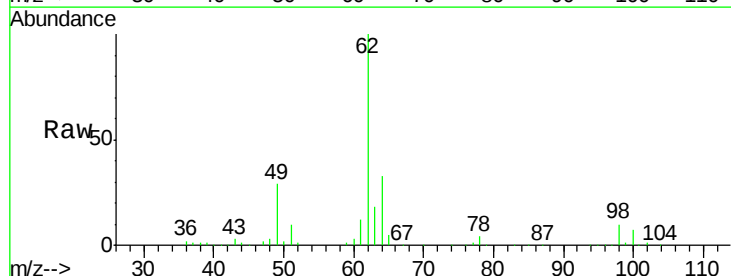


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

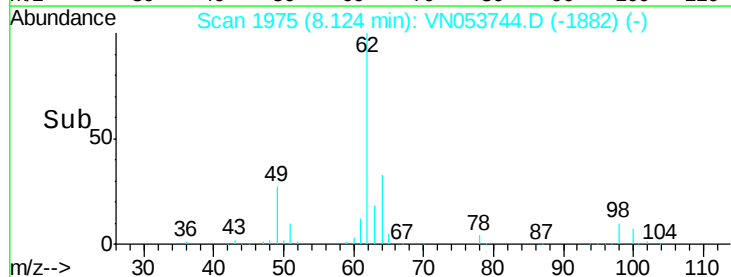
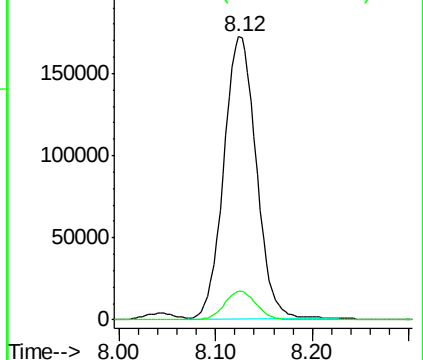


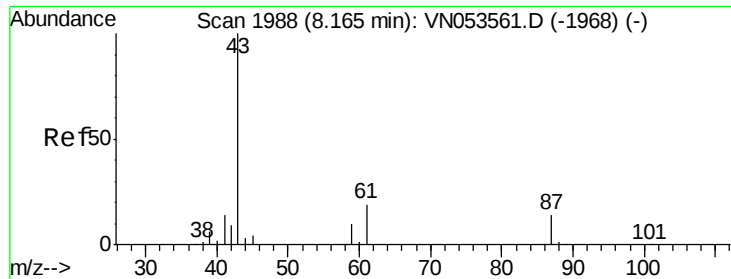
#42
1,2-Dichloroethane
Concen: 48.631 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 62 Resp: 399795
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 52.608 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

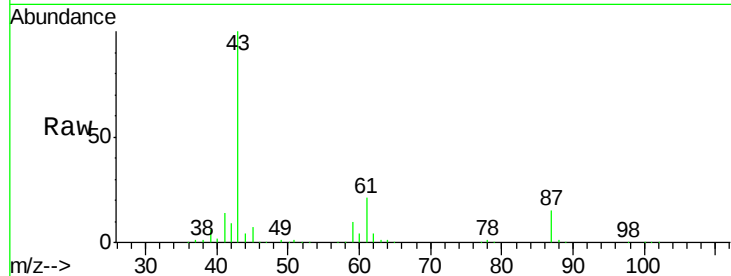
Tot Ion: 43 Resp: 509470

Ion Ratio Lower Upper

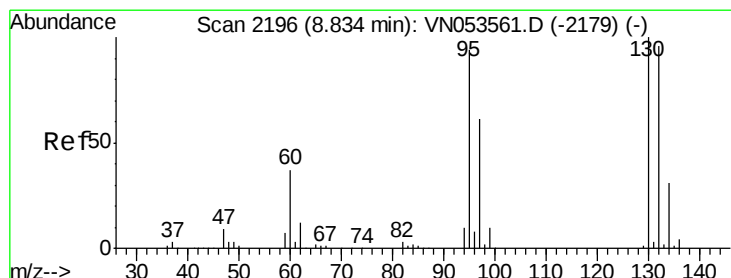
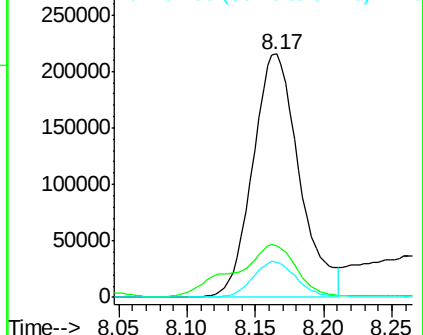
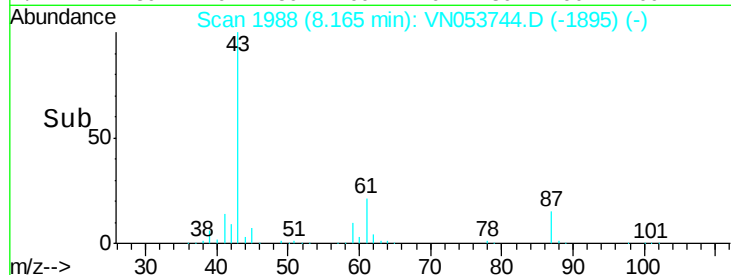
43 100

61 28.3 23.9 35.9

87 14.0 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053744.D (-1895) (-)



#44

Trichloroethene

Concen: 47.249 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053744.D

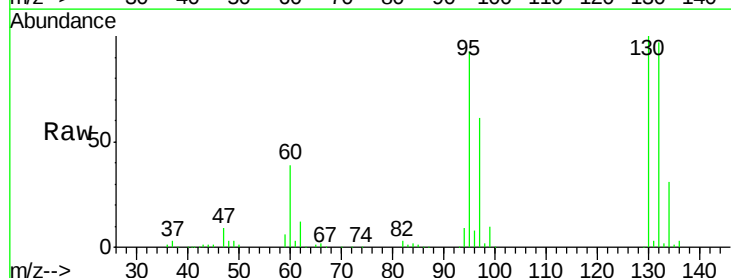
Acq: 12 Feb 2019 21:22

Tgt Ion: 130 Resp: 372439

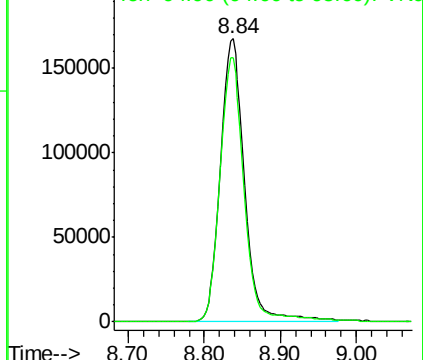
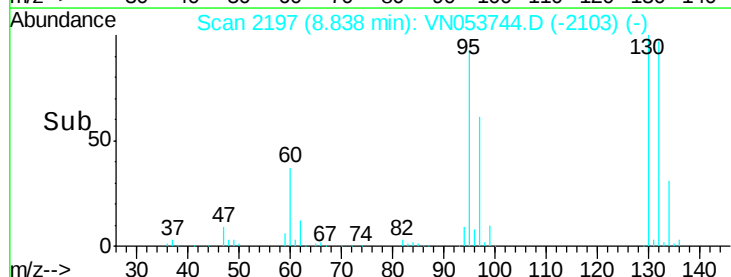
Ion Ratio Lower Upper

130 100

95 93.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053744.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 50.101 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

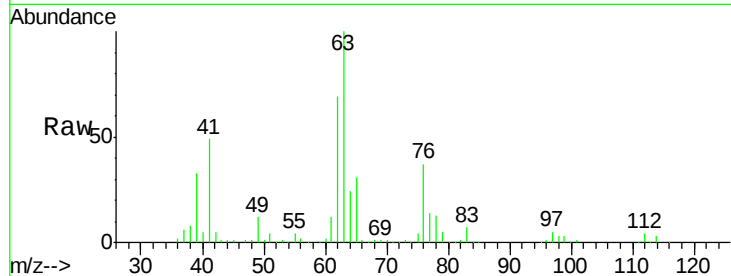
VSTDCCC050EC

Tot Ion: 63 Resp: 354799

Ion Ratio Lower Upper

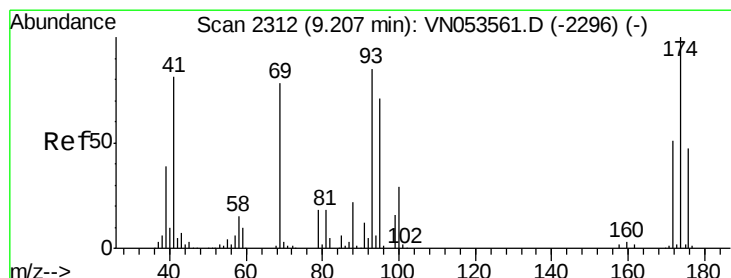
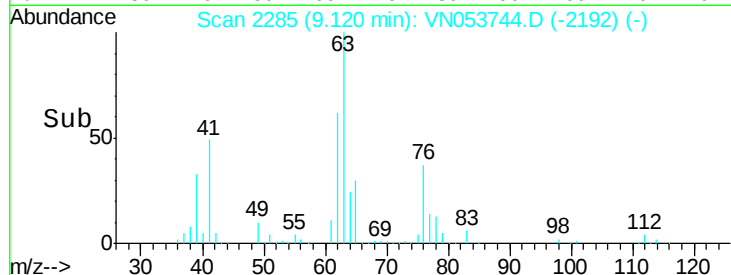
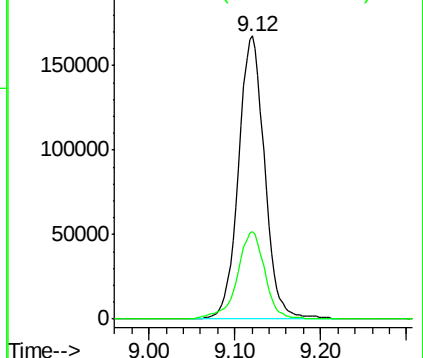
63 100

65 30.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN053744.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053744.D (-2192) (-)



#46

Dibromomethane

Concen: 50.001 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

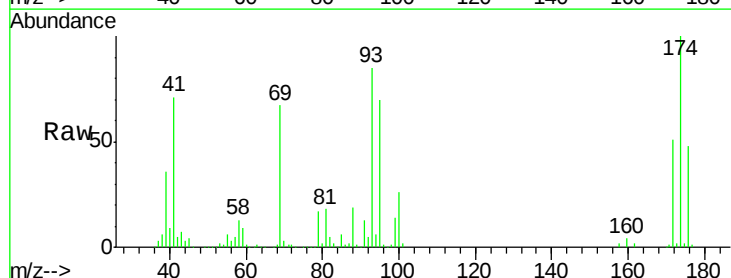
Tgt Ion: 93 Resp: 213453

Ion Ratio Lower Upper

93 100

95 83.1 67.3 100.9

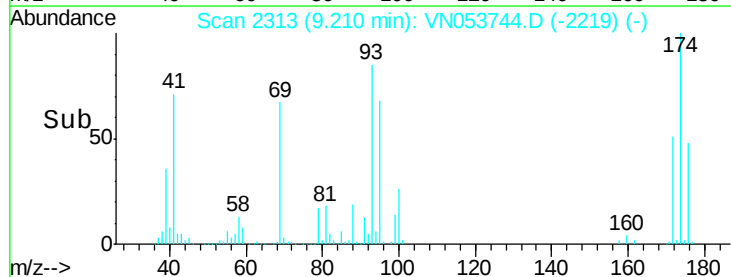
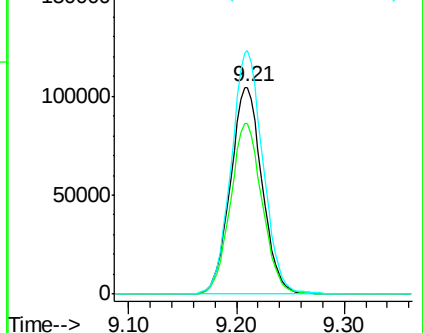
174 118.2 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN053744.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN053744.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN053744.D (-2219) (-)

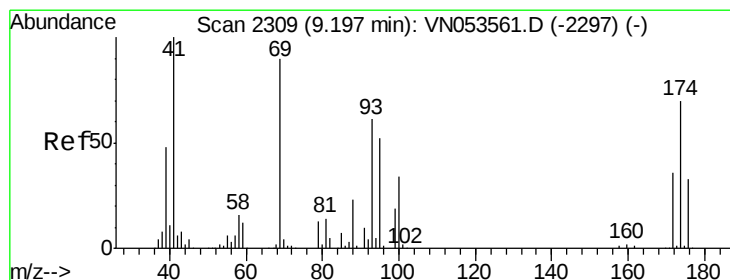
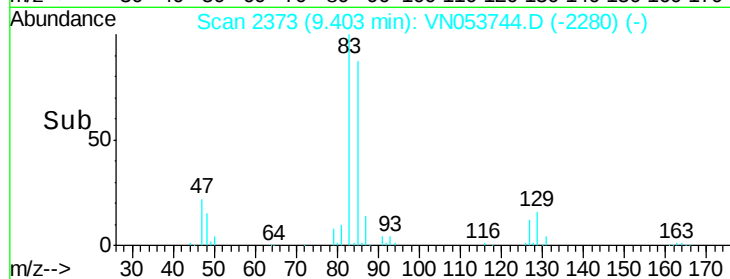
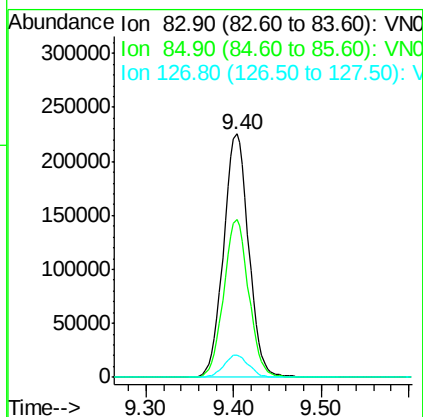
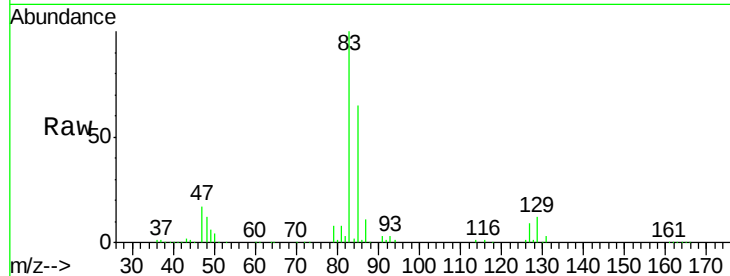




#47
Bromodichloromethane
Concen: 50.646 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

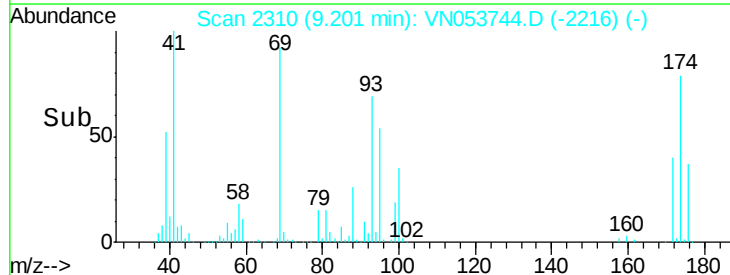
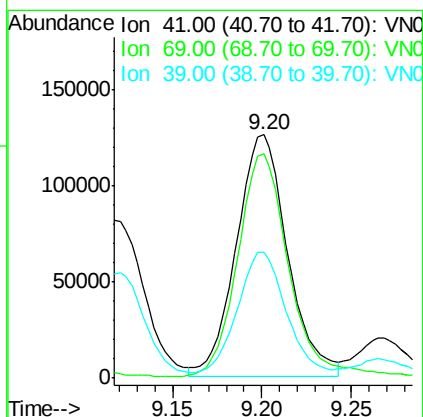
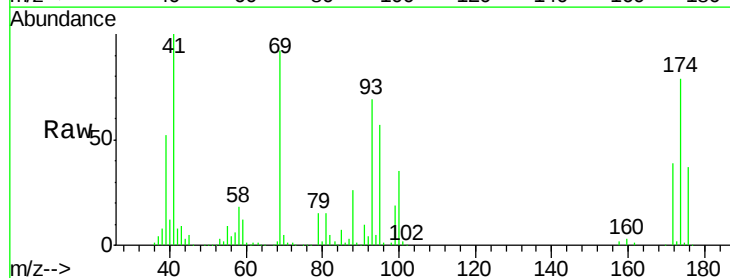
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

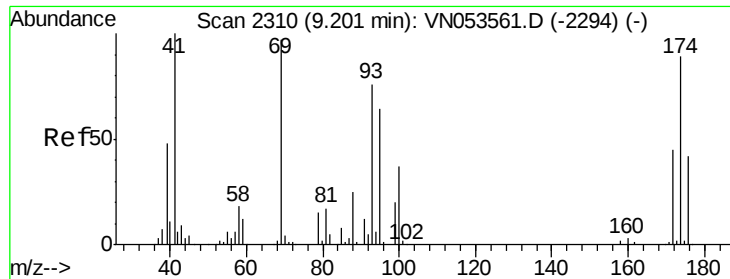
Tot Ion: 83 Resp: 449540
Ion Ratio Lower Upper
83 100
85 65.1 51.0 76.6
127 9.1 7.0 10.6



#48
Methyl methacrylate
Concen: 54.413 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 41 Resp: 251532
Ion Ratio Lower Upper
41 100
69 93.8 73.8 110.6
39 50.8 40.0 60.0





#49

1,4-Dioxane

Concen: 1044.465 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

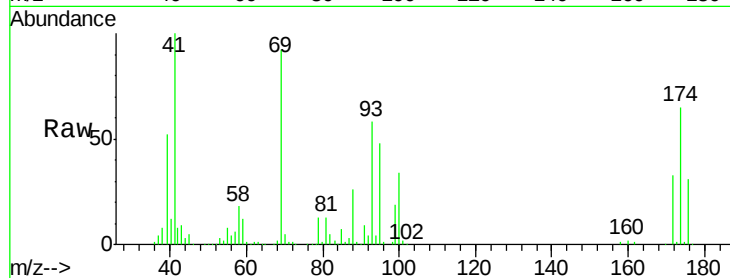
Tot Ion: 88 Resp: 70082

Ion Ratio Lower Upper

88 100

43 28.9 27.8 41.6

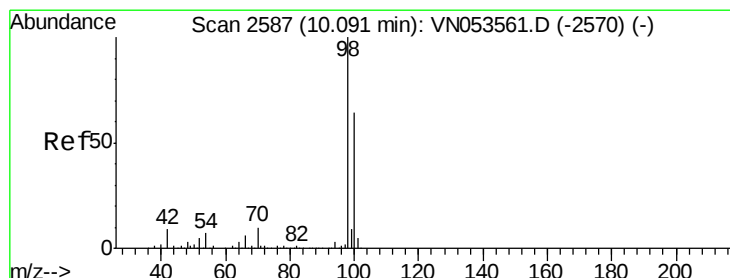
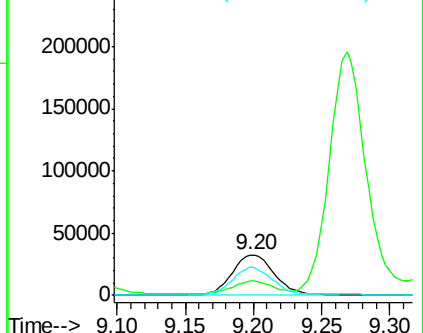
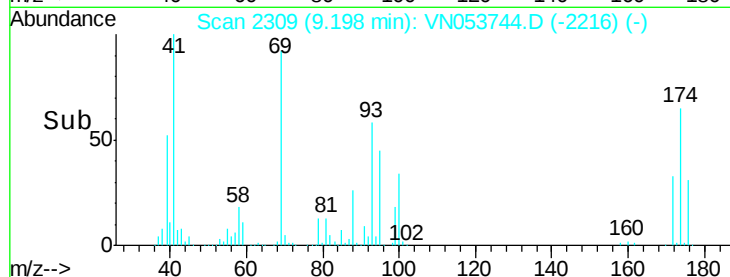
58 68.2 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053744.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053744.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053744.D (-2216) (-)



#50

Toluene-d8

Concen: 48.745 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053744.D

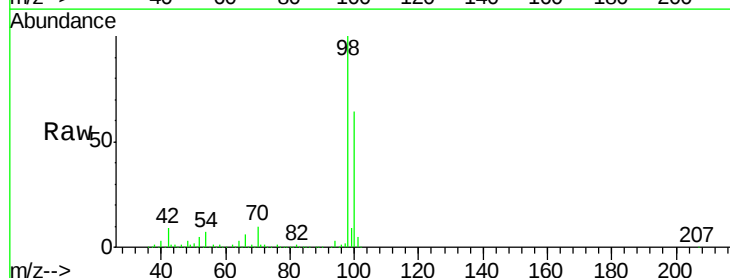
Acq: 12 Feb 2019 21:22

Tgt Ion: 98 Resp: 1151910

Ion Ratio Lower Upper

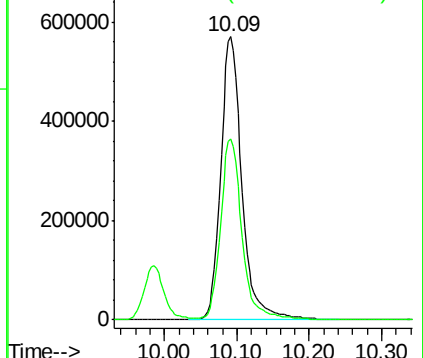
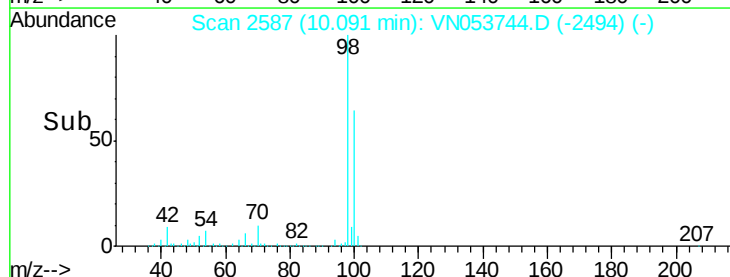
98 100

100 64.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053744.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053744.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 283.598 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

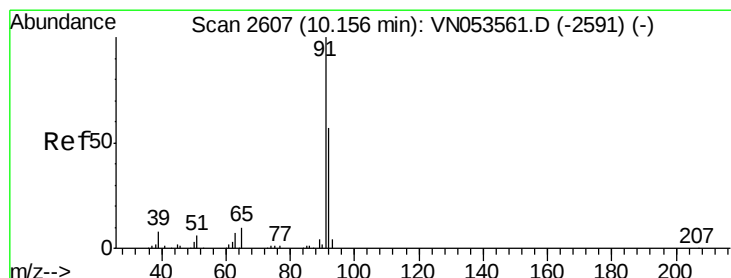
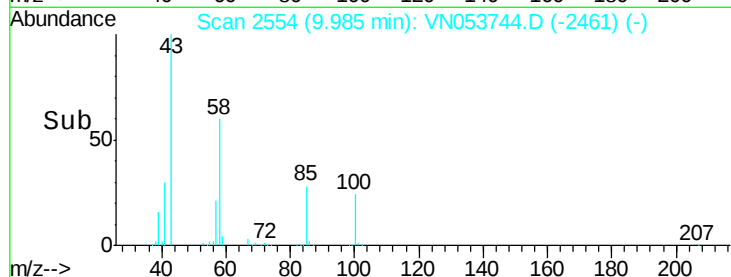
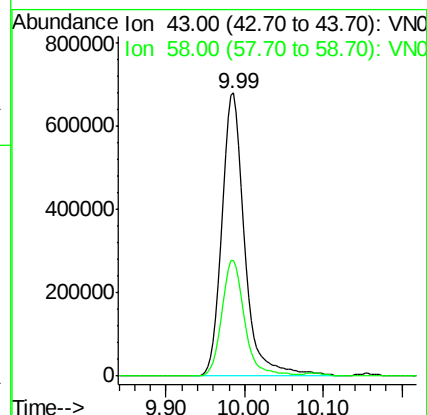
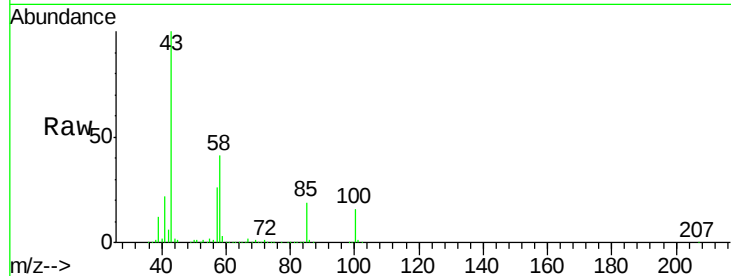
VSTDCCC050EC

Tot Ion: 43 Resp: 1349593

Ion Ratio Lower Upper

43 100

58 41.2 32.8 49.2



#52

Toluene

Concen: 48.919 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053744.D

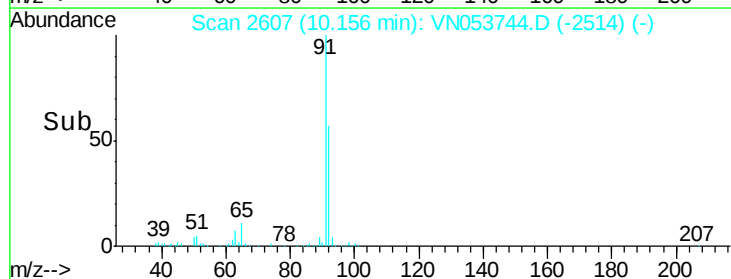
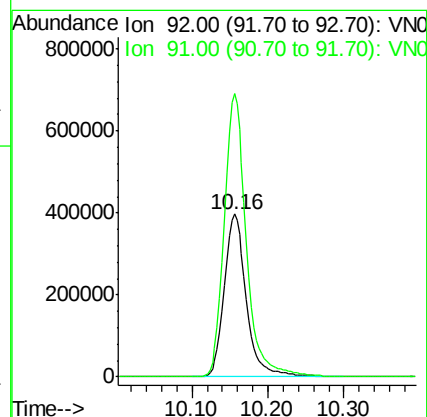
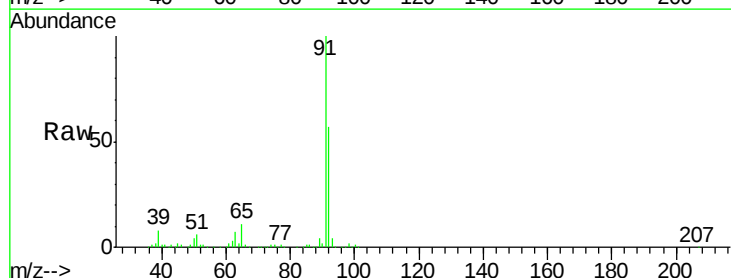
Acq: 12 Feb 2019 21:22

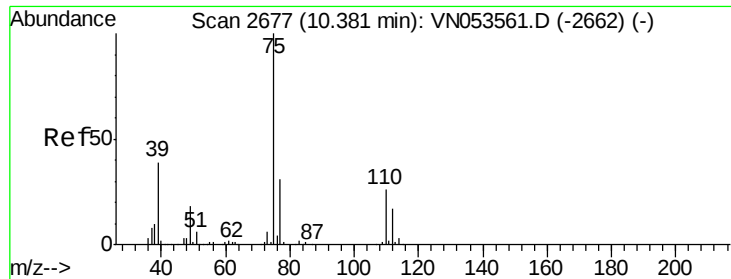
Tgt Ion: 92 Resp: 803860

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 50.070 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

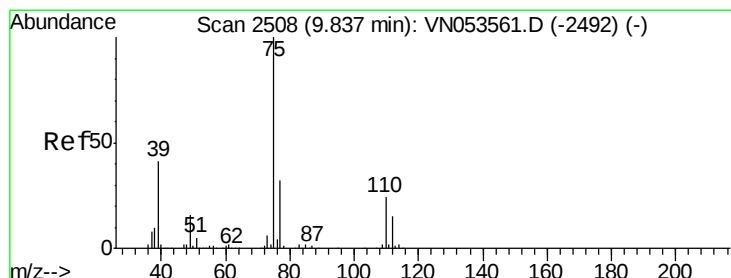
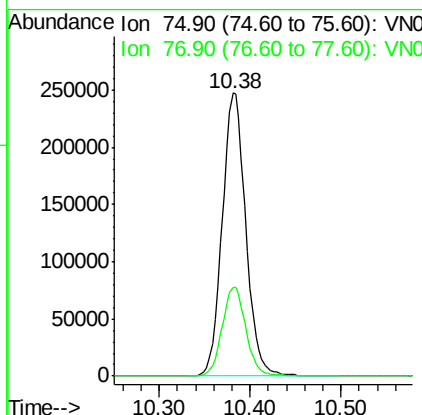
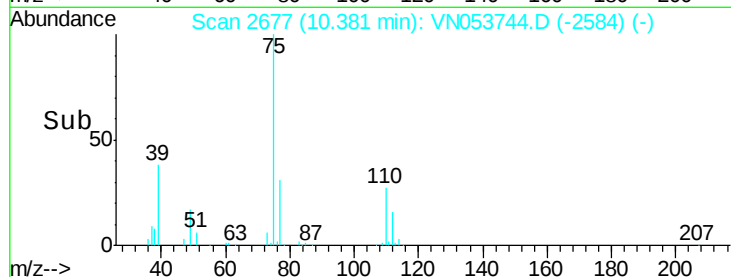
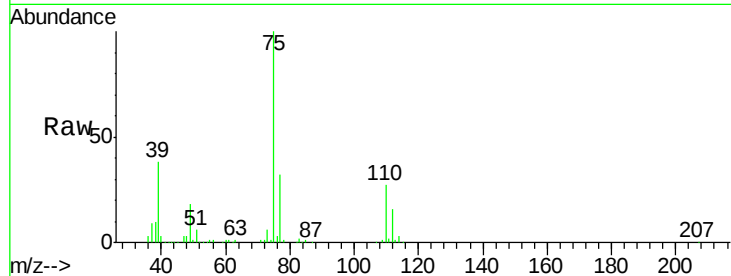
VSTDCCC050EC

Tot Ion: 75 Resp: 445025

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 48.733 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

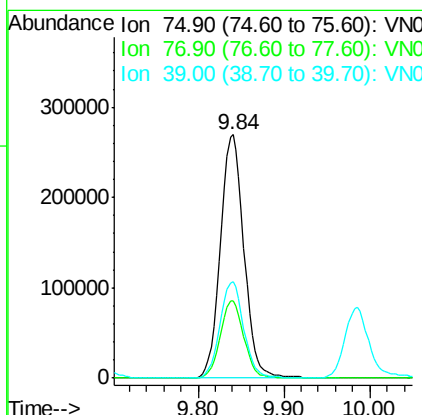
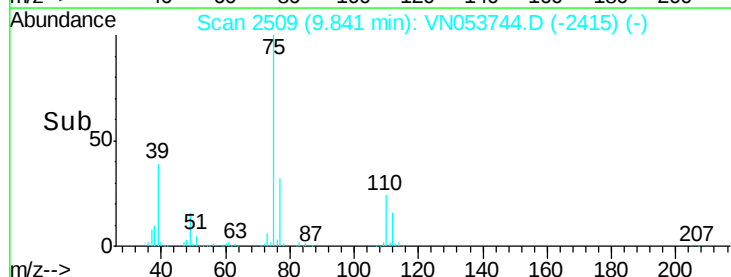
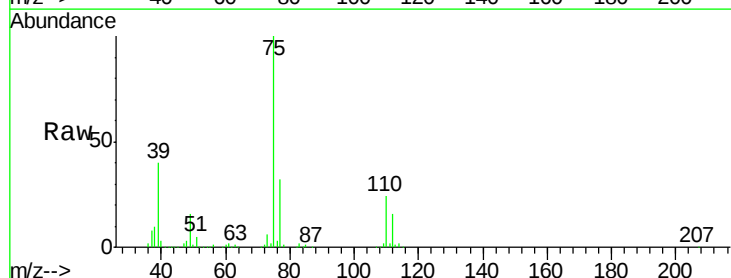
Tgt Ion: 75 Resp: 513263

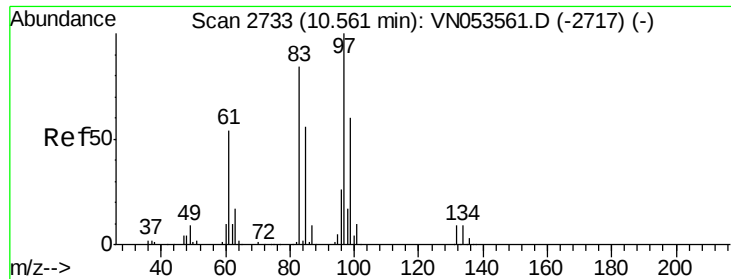
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 39.5 33.4 50.0

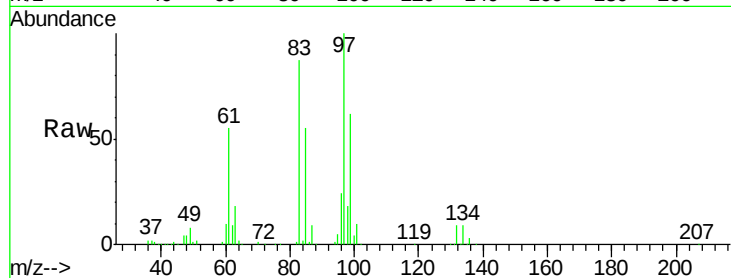




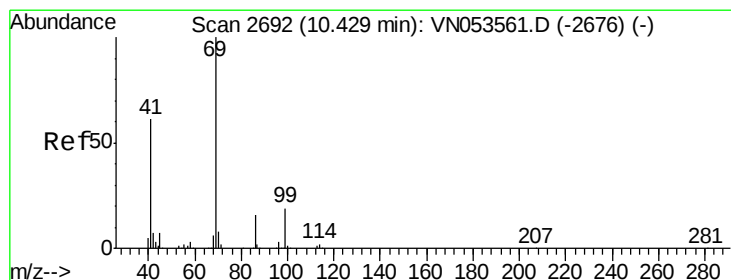
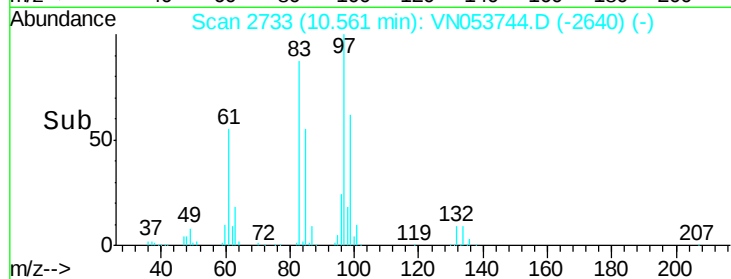
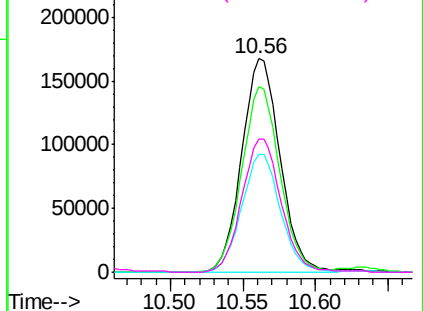
#55
 1,1,2-Trichloroethane
 Concen: 52.153 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	308810
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.1	105.1
85	55.3	45.4	68.0
99	61.9	49.8	74.8

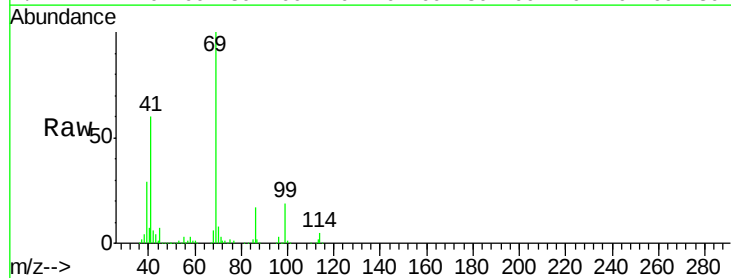


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

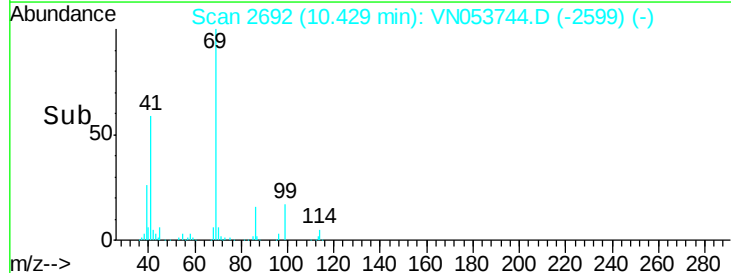
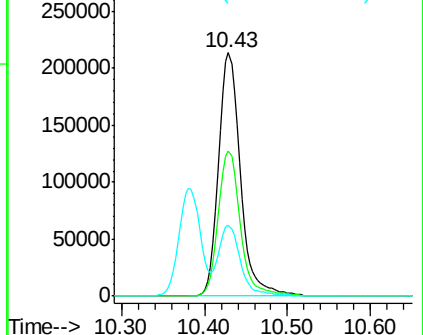


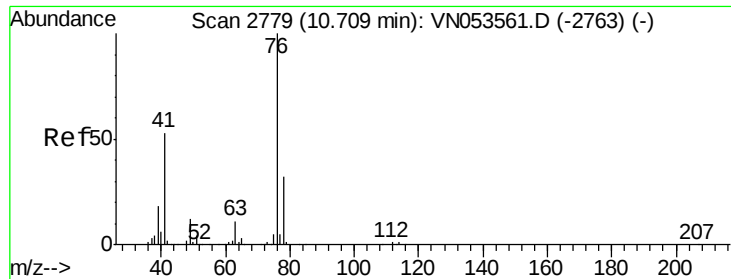
#56
 Ethyl methacrylate
 Concen: 55.706 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion:	69	Resp:	390215
Ion	Ratio	Lower	Upper
69	100		
41	59.5	49.4	74.0
39	29.4	23.3	34.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.879 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

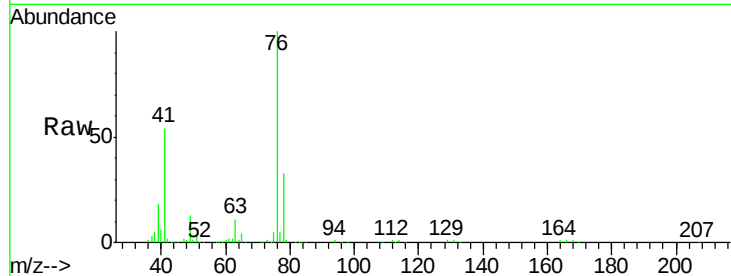
VSTDCCC050EC

Tot Ion: 76 Resp: 514887

Ion Ratio Lower Upper

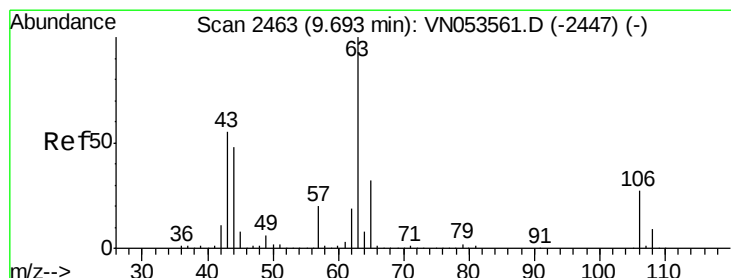
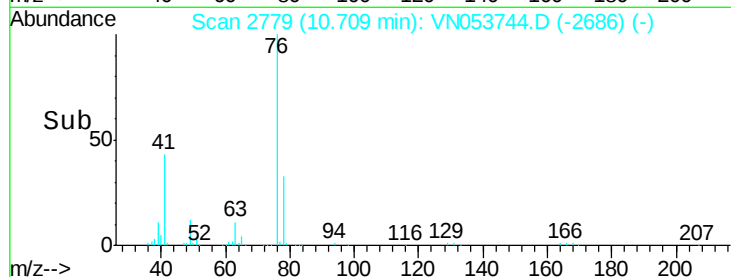
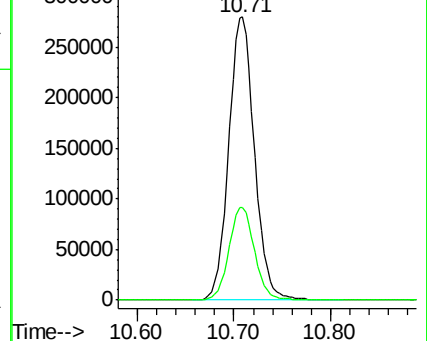
76 100

78 32.6 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: 205.586 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053744.D

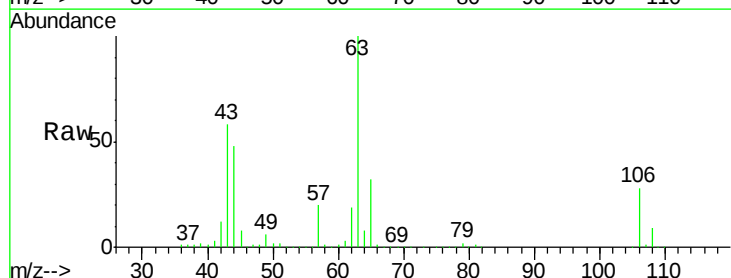
Acq: 12 Feb 2019 21:22

Tgt Ion: 63 Resp: 886730

Ion Ratio Lower Upper

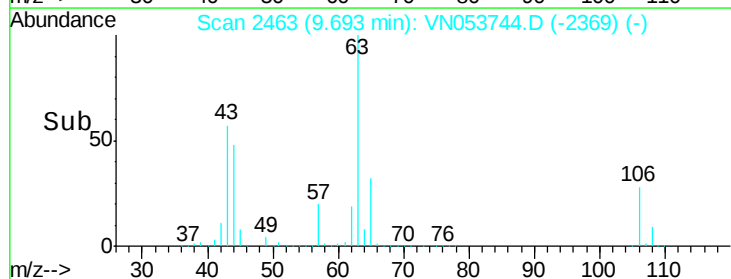
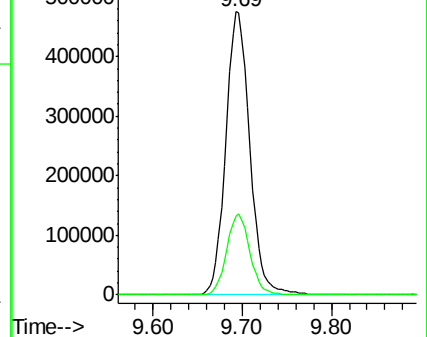
63 100

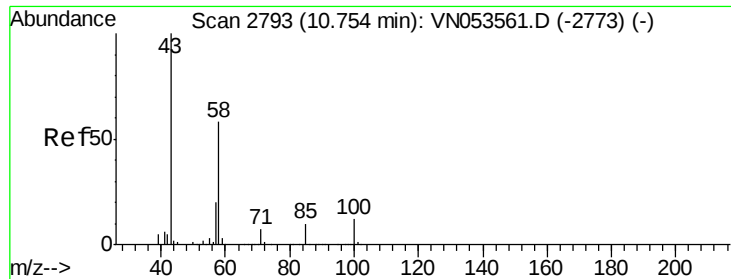
106 27.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

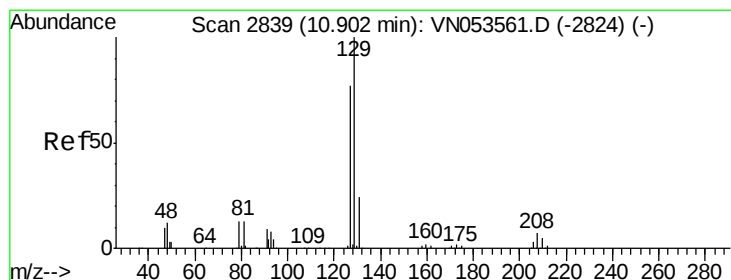
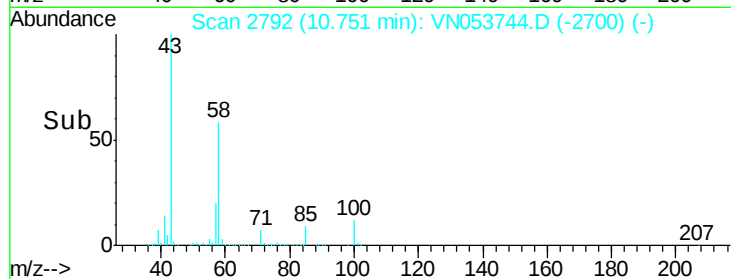
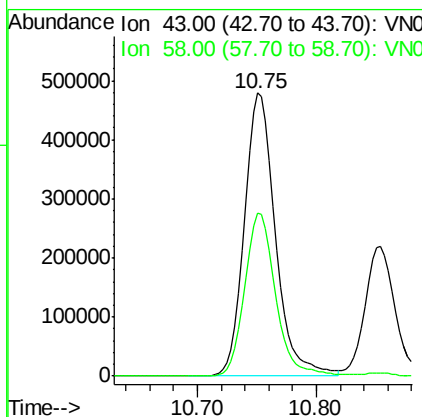
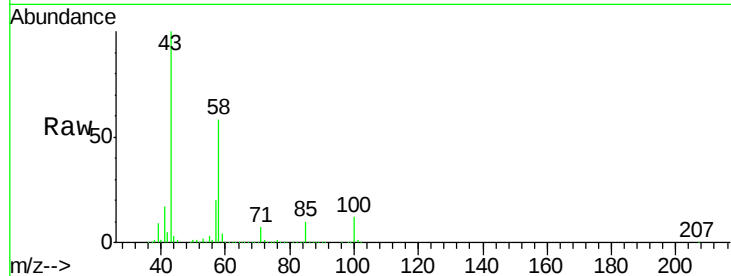




#59
2-Hexanone
Concen: 266.952 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

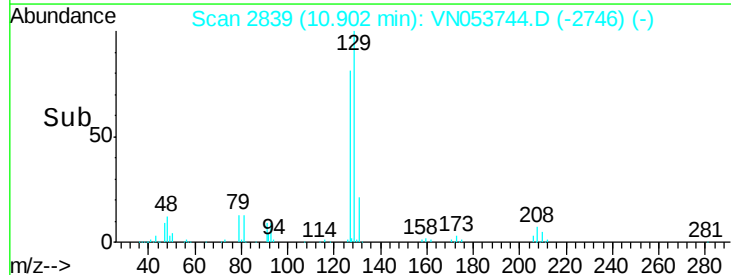
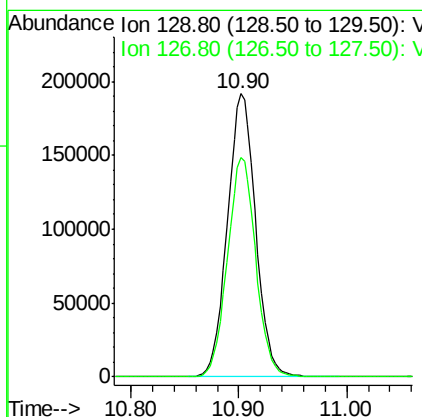
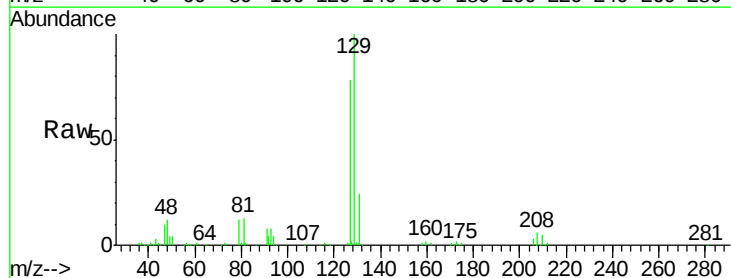
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

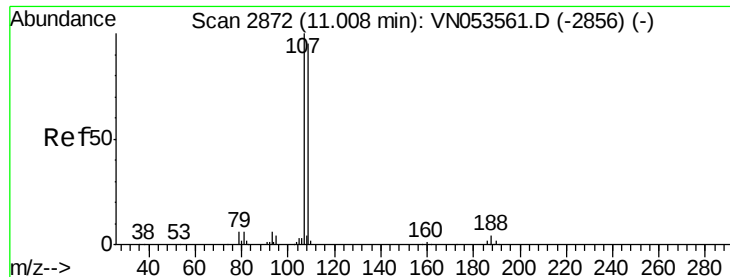
Tot Ion: 43 Resp: 862424
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8



#60
Dibromochloromethane
Concen: 52.415 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 129 Resp: 349991
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

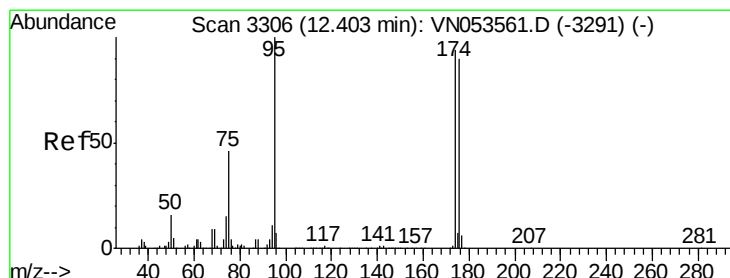
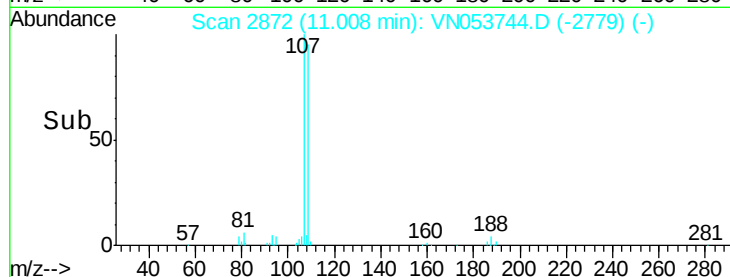
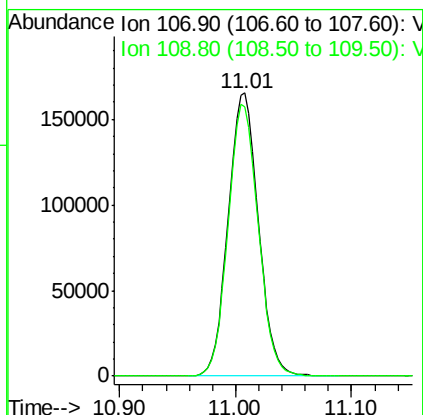
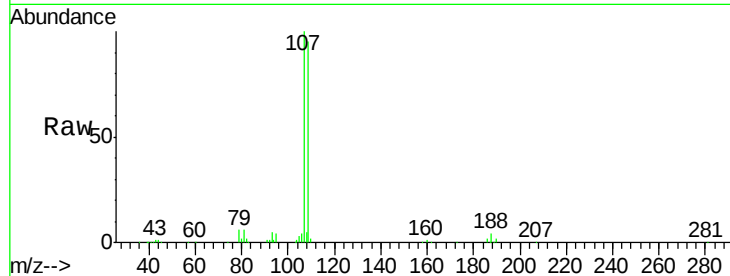




#61
 1,2-Dibromoethane
 Concen: 50.732 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

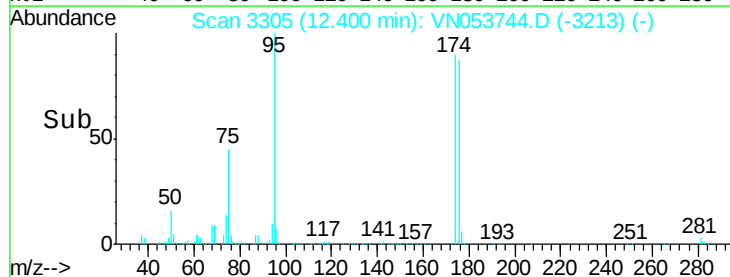
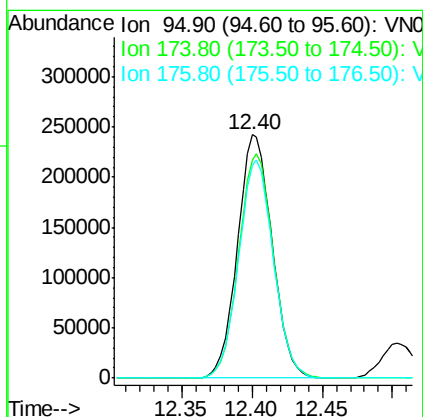
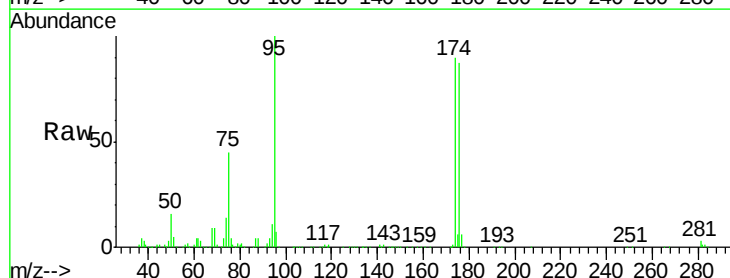
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

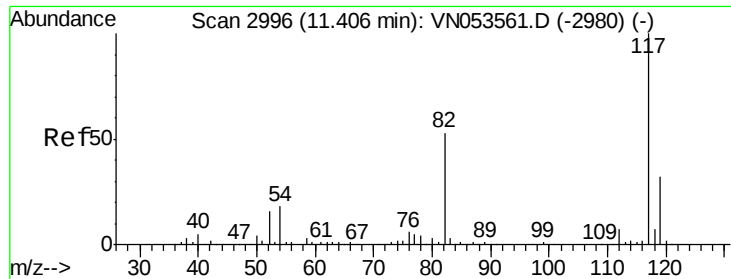
Tot Ion:107 Resp: 297323
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.941 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion: 95 Resp: 417247
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 183.2
 176 89.9 0.0 177.4

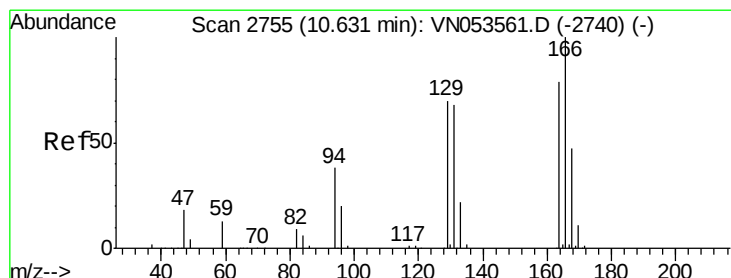
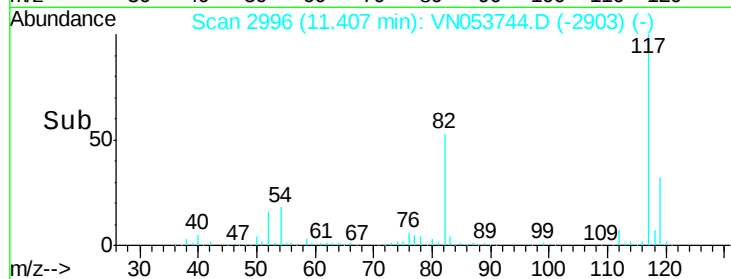
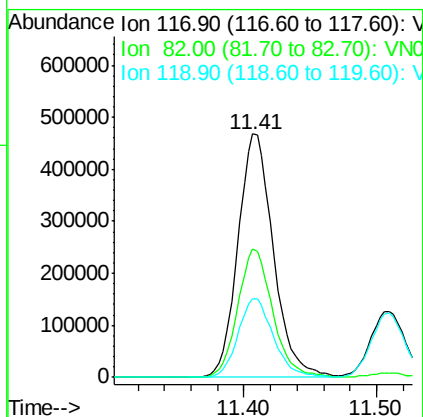
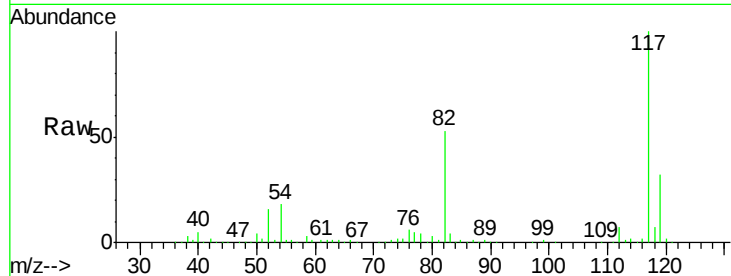




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

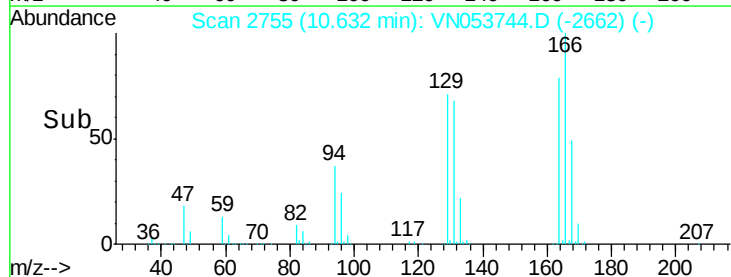
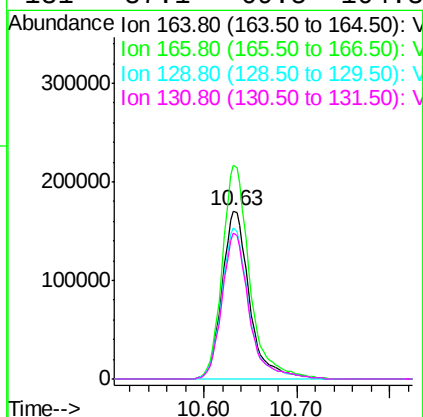
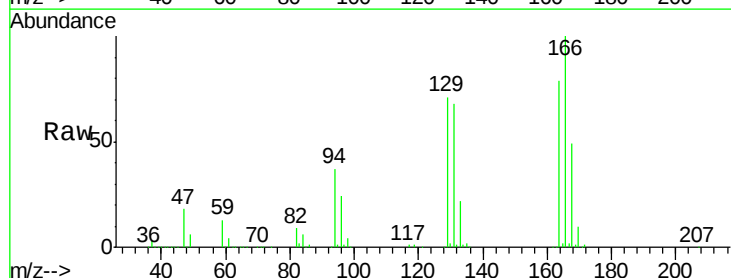
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

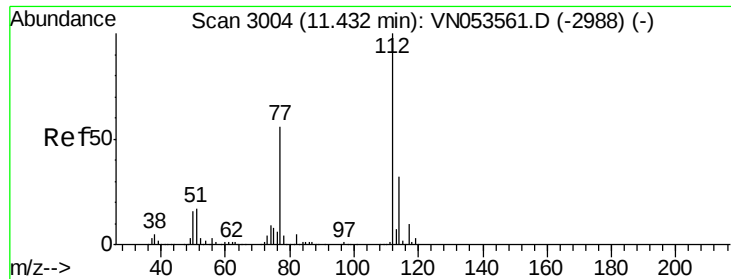
Tot Ion:117 Resp: 870060
Ion Ratio Lower Upper
117 100
82 52.6 42.9 64.3
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 46.898 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion:164 Resp: 349781
Ion Ratio Lower Upper
164 100
166 127.2 102.2 153.4
129 89.9 72.6 109.0
131 87.1 69.5 104.3

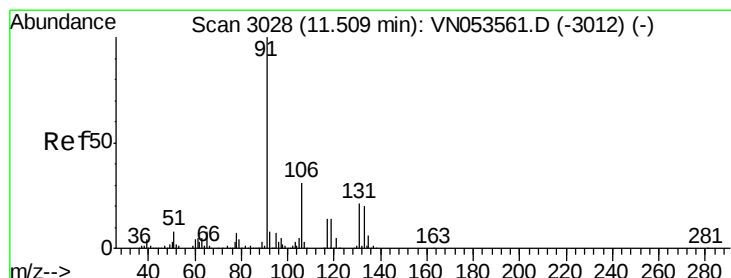
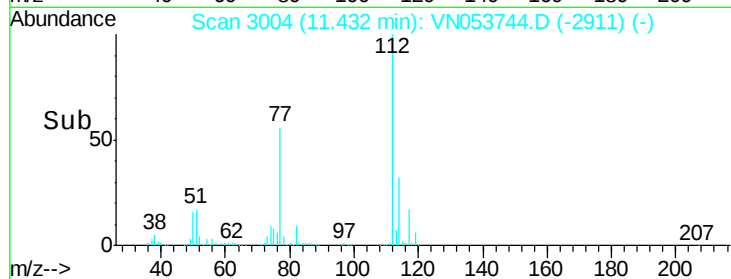
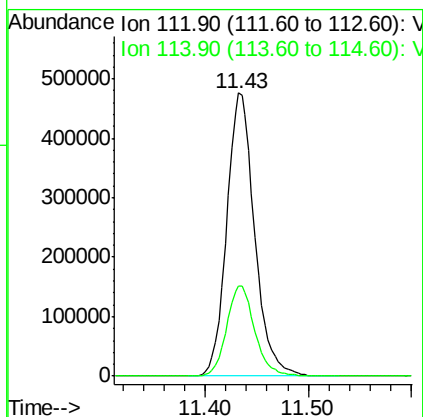
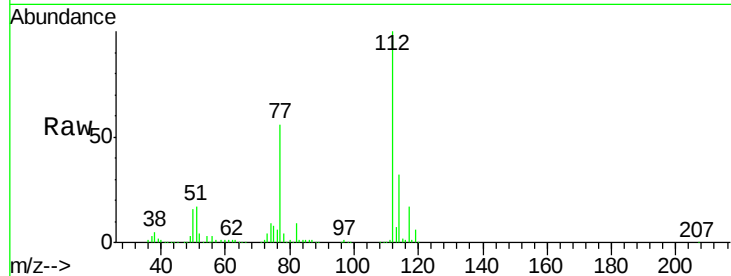




#65
Chlorobenzene
Concen: 48.329 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

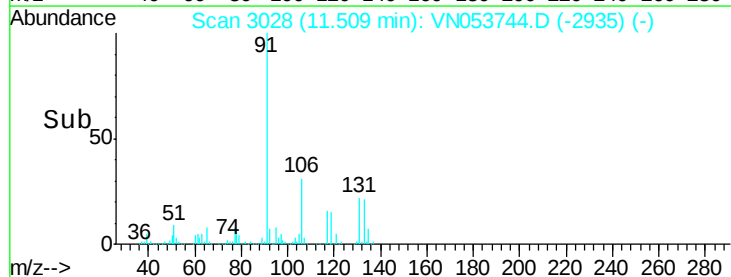
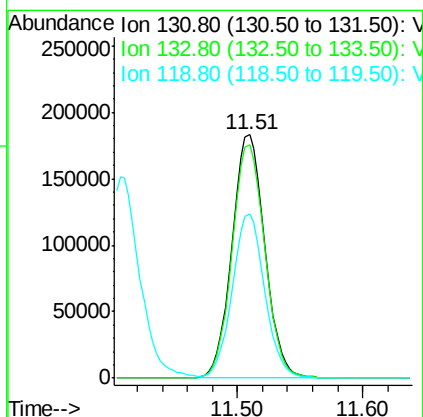
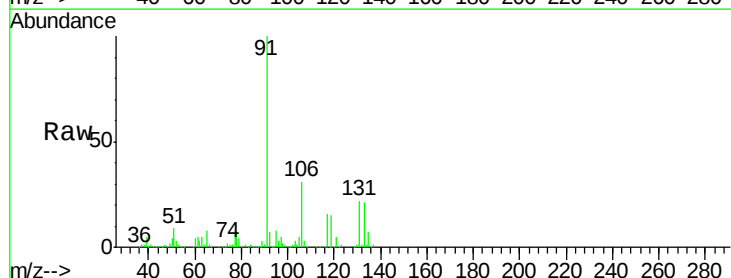
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

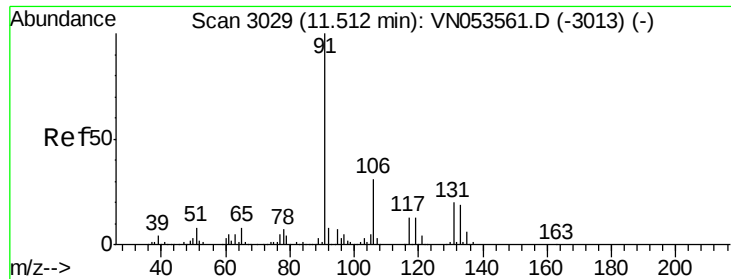
Tot Ion:112 Resp: 893167
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.621 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion:131 Resp: 333181
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 66.5 33.5 100.5

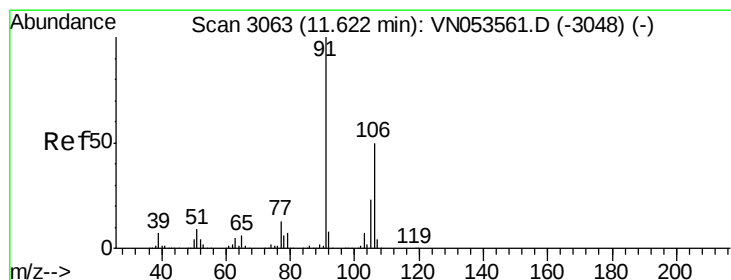
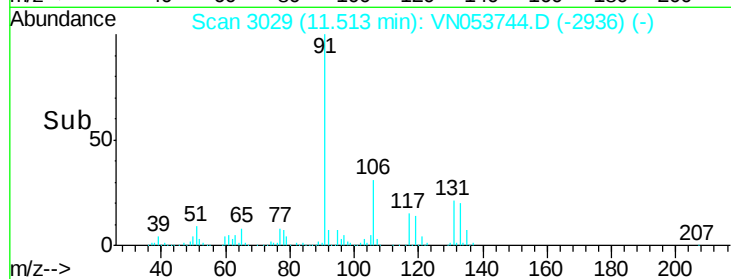
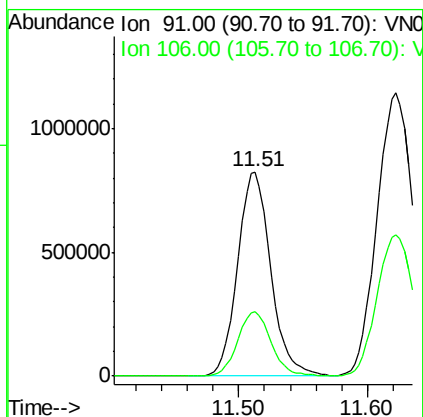
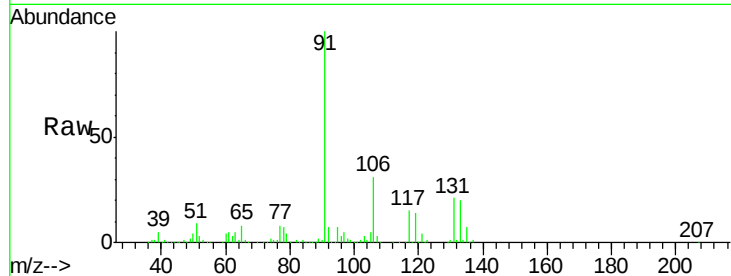




#67
Ethyl Benzene
Concen: 48.674 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

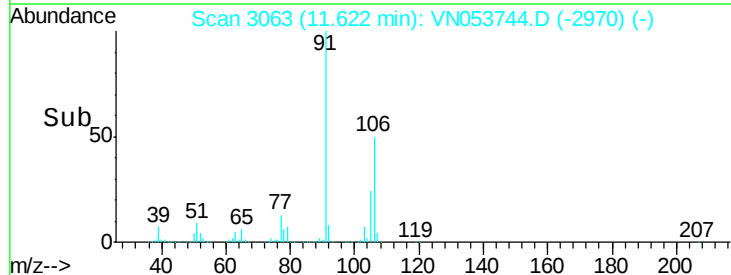
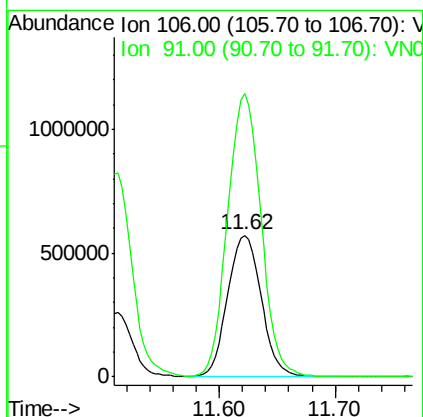
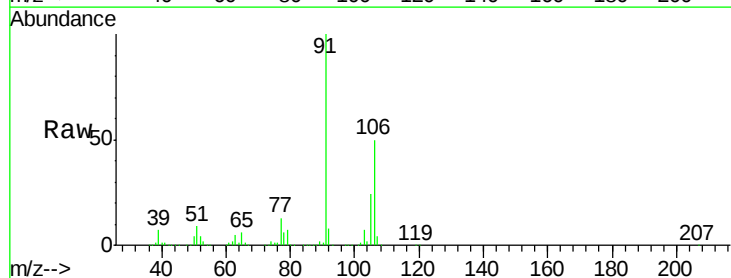
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

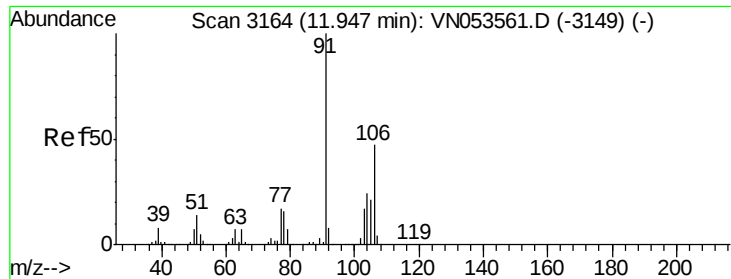
Tot Ion: 91 Resp: 1477688
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 99.374 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion: 106 Resp: 1151425
Ion Ratio Lower Upper
106 100
91 198.5 161.4 242.2

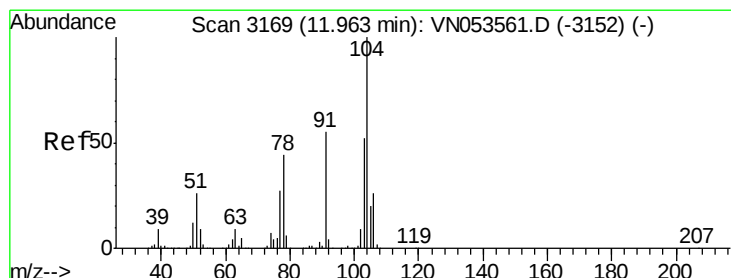
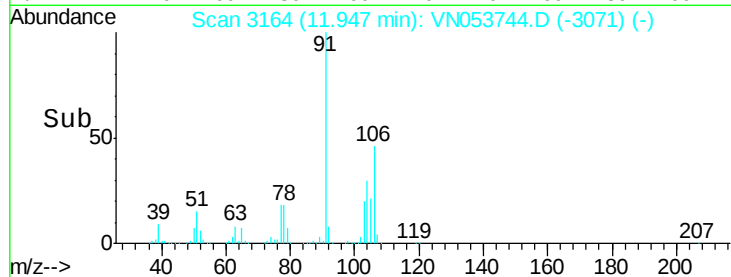
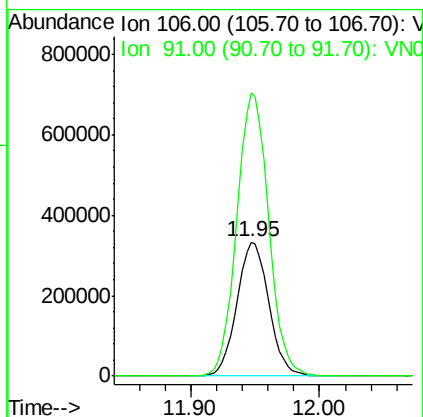
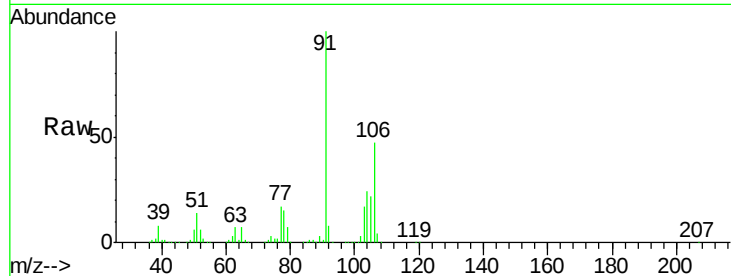




#69
o-Xylene
Concen: 51.103 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

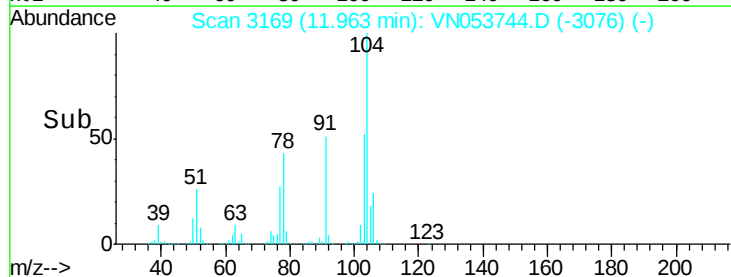
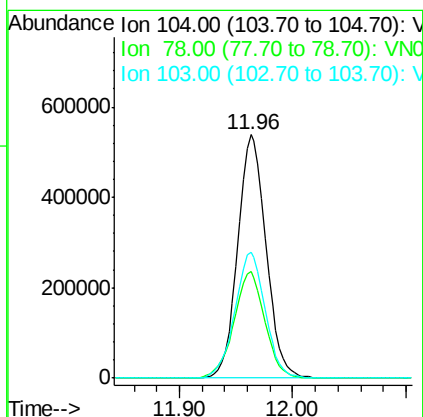
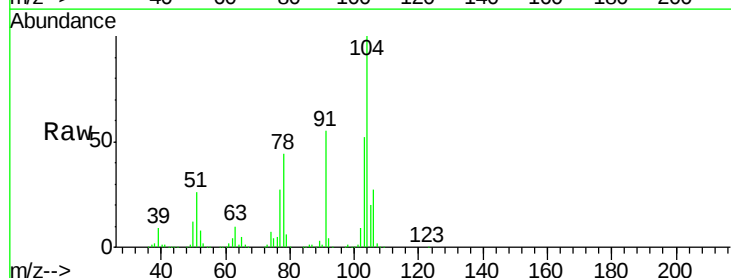
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

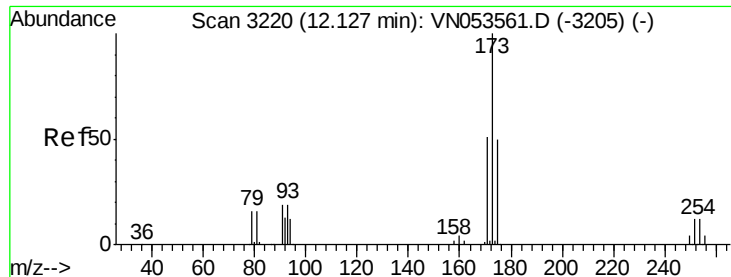
Tot Ion:106 Resp: 572044
Ion Ratio Lower Upper
106 100
91 212.0 106.9 320.8



#70
Styrene
Concen: 51.766 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion:104 Resp: 939199
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.3 44.4 66.6

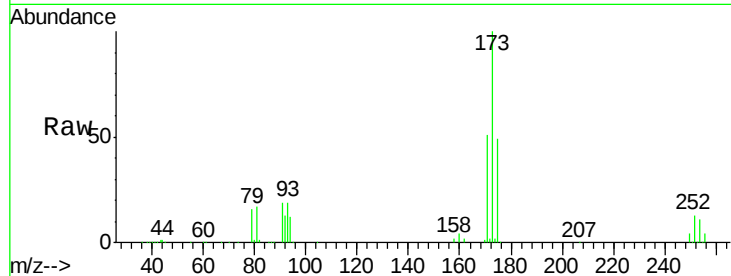




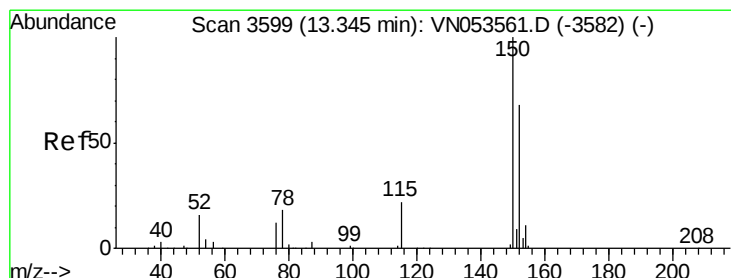
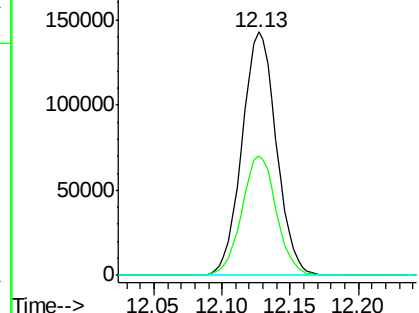
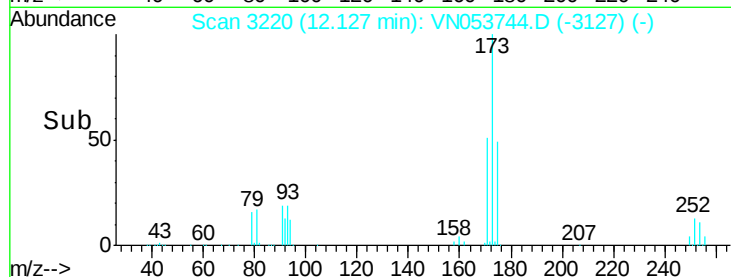
#71
Bromoform
Concen: 56.364 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 249404
Ion Ratio Lower Upper
173 100
175 49.2 24.6 74.0
254 0.2 0.2 0.2#

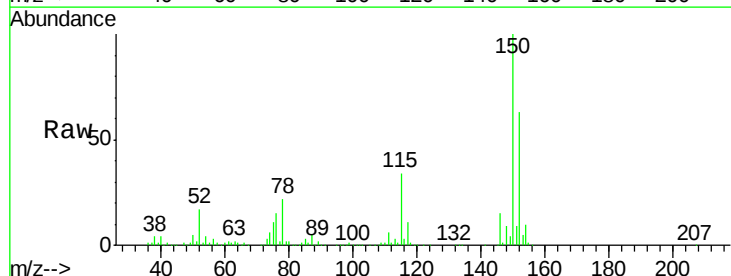


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

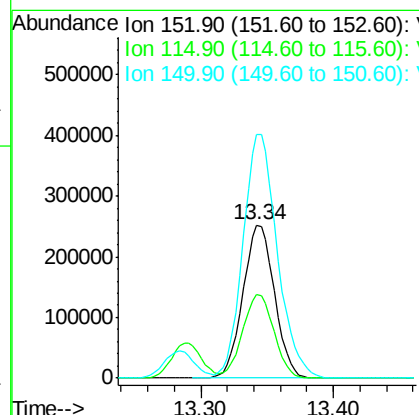
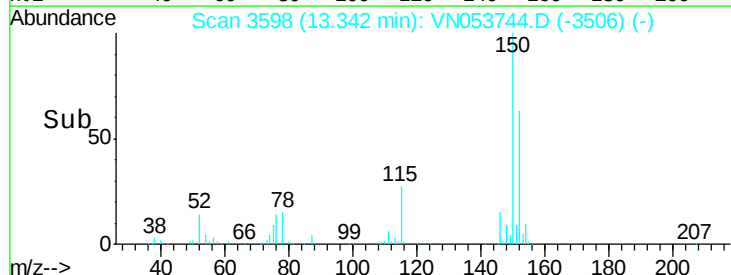


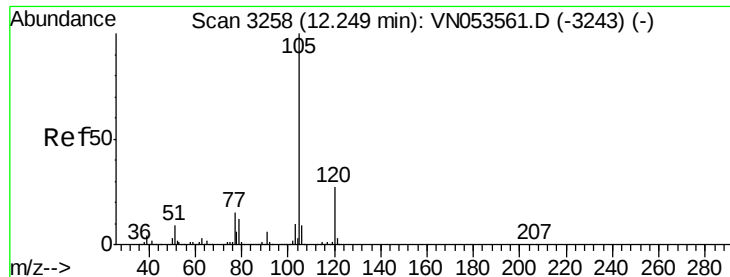
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053744.D
Acq: 12 Feb 2019 21:22

Tgt Ion:152 Resp: 415860
Ion Ratio Lower Upper
152 100
115 54.5 27.8 83.4
150 173.4 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.593 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

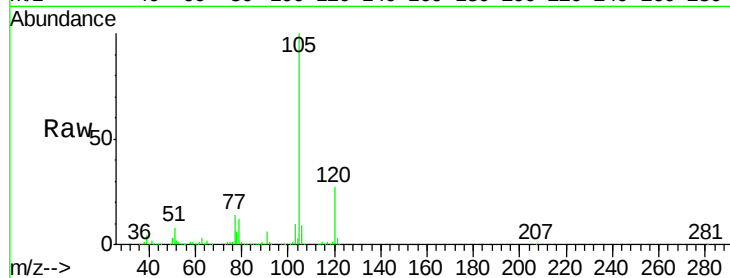
VSTDCCC050EC

Tot Ion:105 Resp: 1508282

Ion Ratio Lower Upper

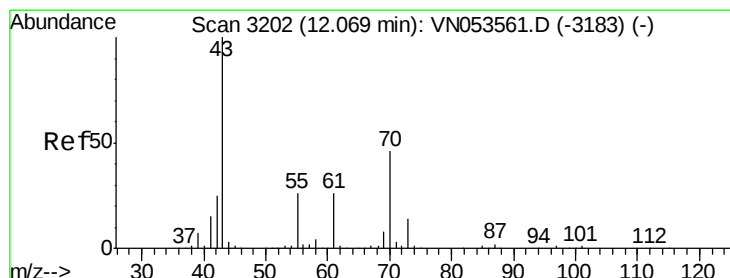
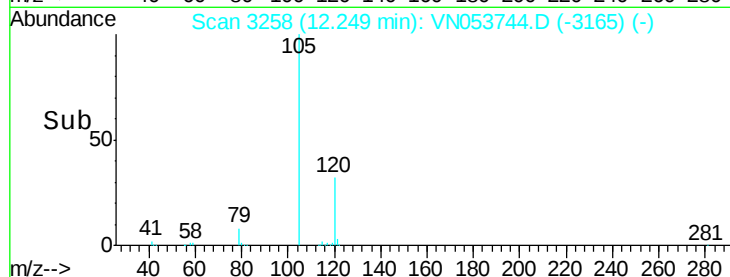
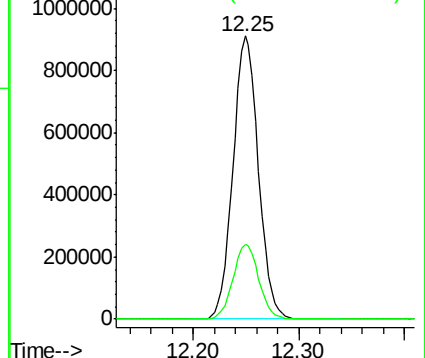
105 100

120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.355 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion: 43 Resp: 403198

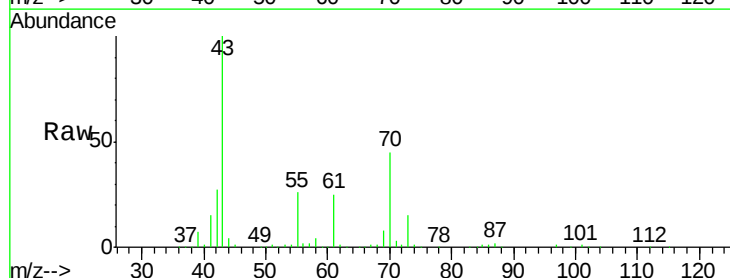
Ion Ratio Lower Upper

43 100

70 45.5 35.4 53.2

55 26.3 20.9 31.3

61 26.2 20.5 30.7

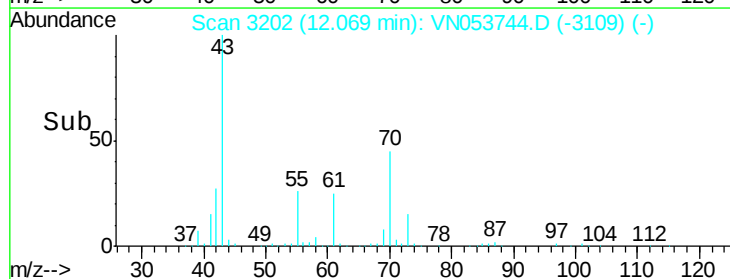
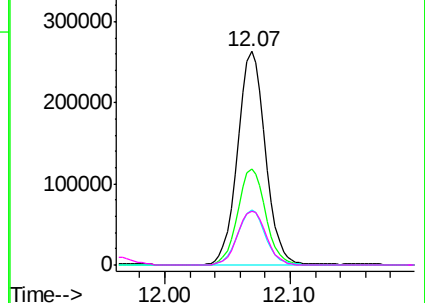


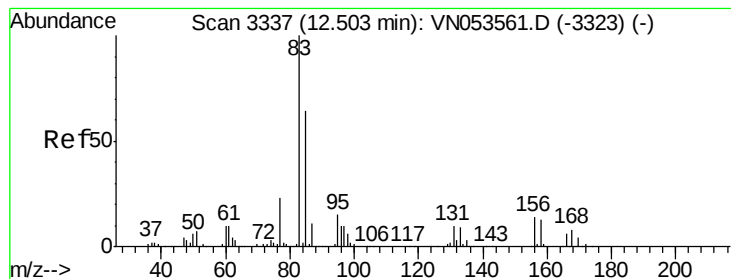
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 55.913 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

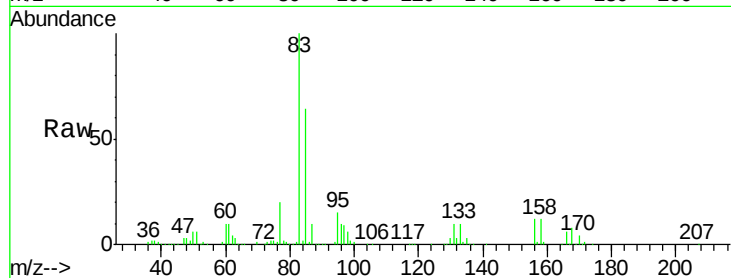
Tot Ion: 83 Resp: 391200

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

85 64.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

250000

200000

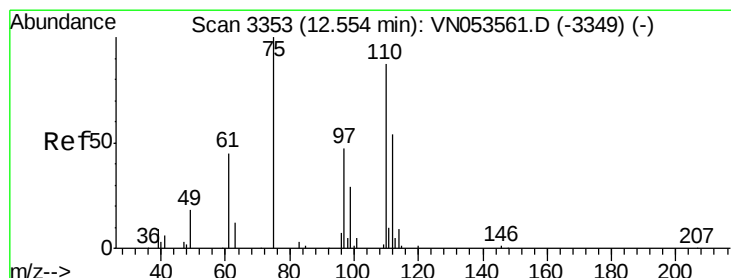
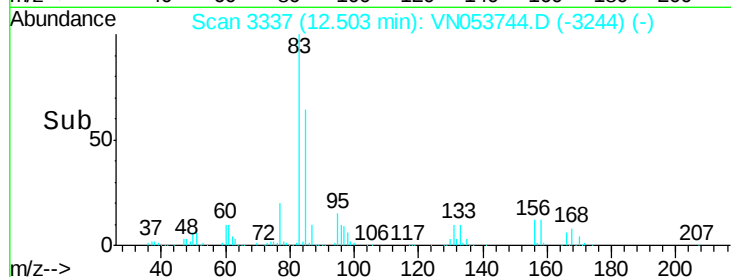
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 88.153 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053744.D

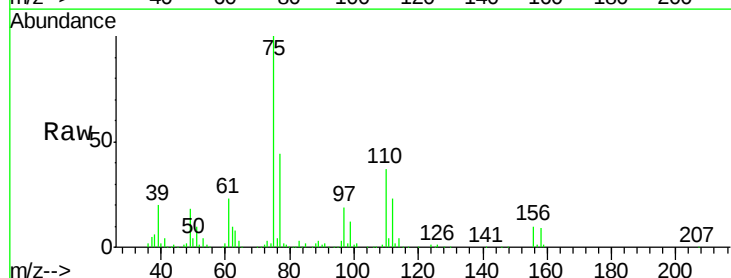
Acq: 12 Feb 2019 21:22

Tgt Ion: 75 Resp: 470866

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

400000

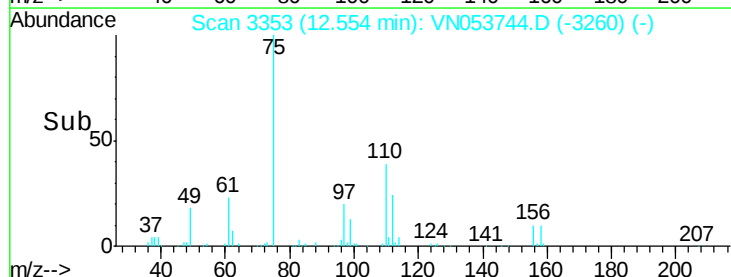
300000

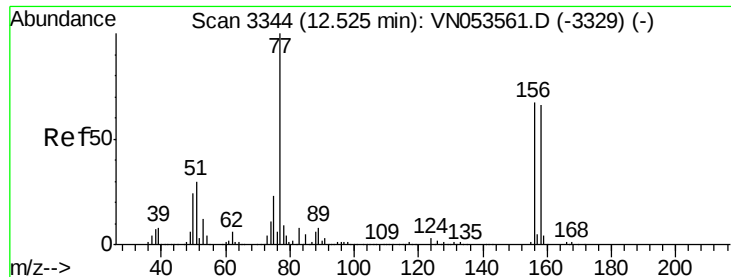
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 52.747 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

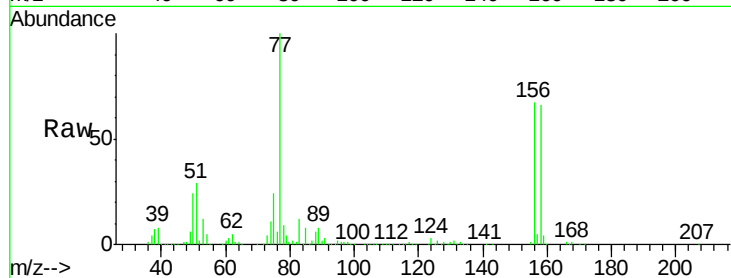
Tot Ion:156 Resp: 415586

Ion Ratio Lower Upper

156 100

77 174.1 87.9 263.8

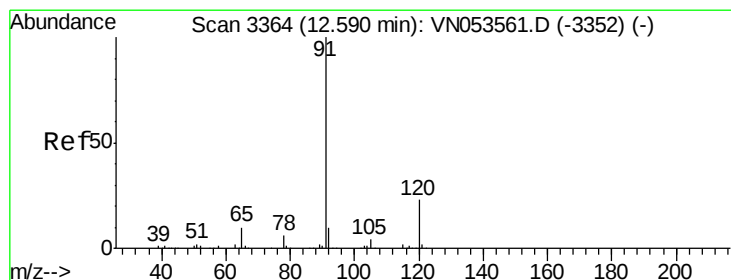
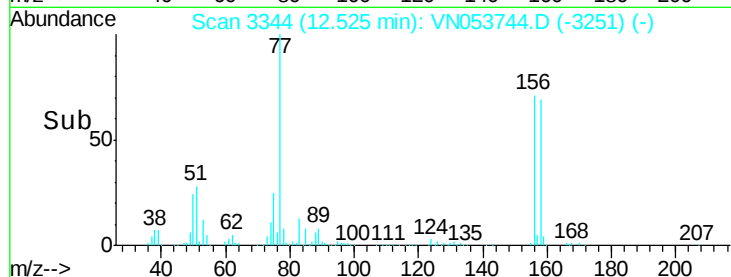
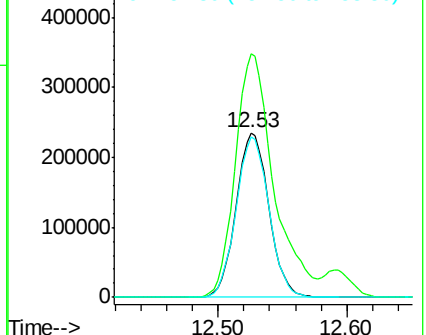
158 97.8 48.8 146.4



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: 51.540 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053744.D

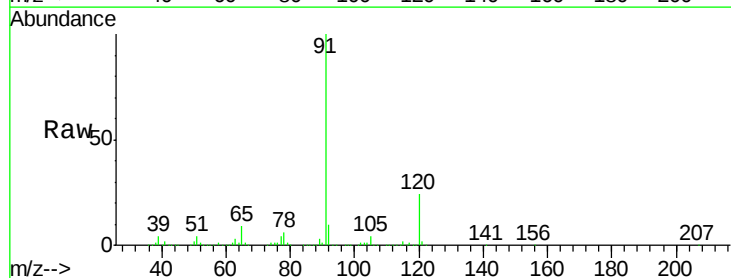
Acq: 12 Feb 2019 21:22

Tgt Ion: 91 Resp: 1741796

Ion Ratio Lower Upper

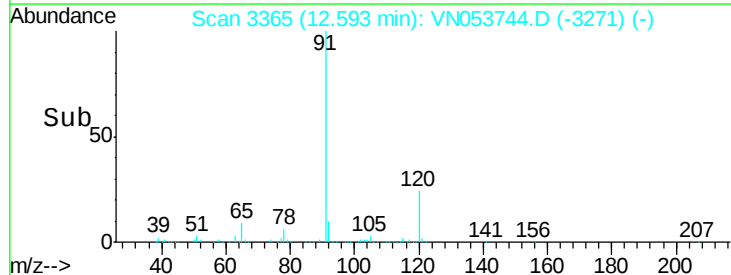
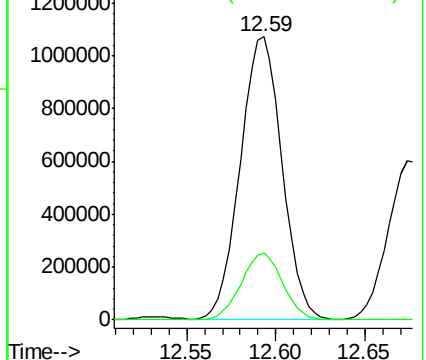
91 100

120 23.5 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: 51.070 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

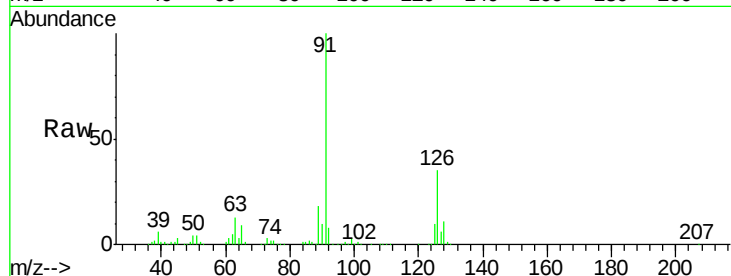
VSTDCCC050EC

Tot Ion: 91 Resp: 1023954

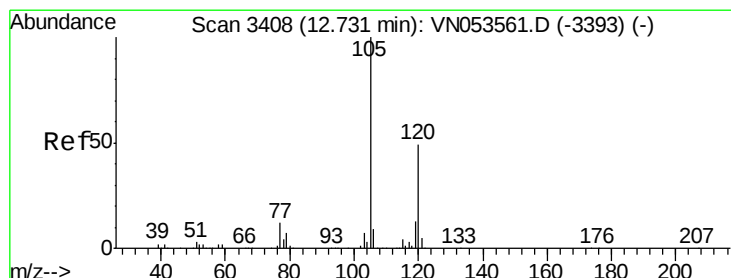
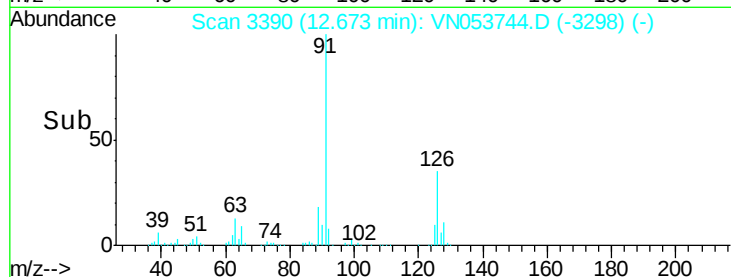
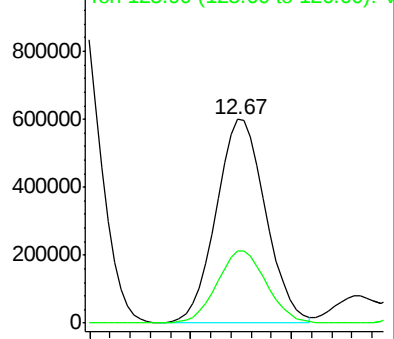
Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.026 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053744.D

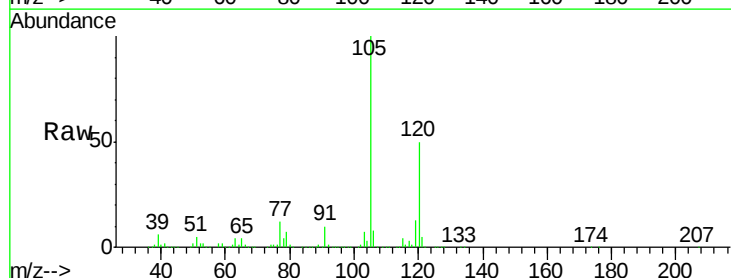
Acq: 12 Feb 2019 21:22

Tgt Ion: 105 Resp: 1285484

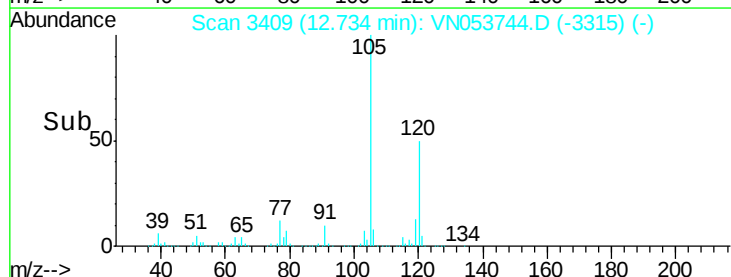
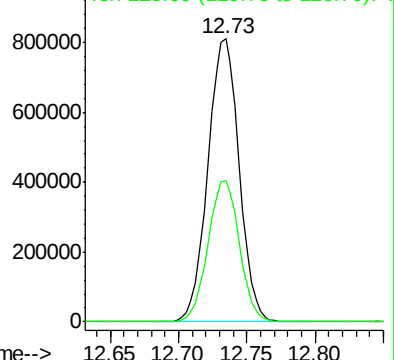
Ion Ratio Lower Upper

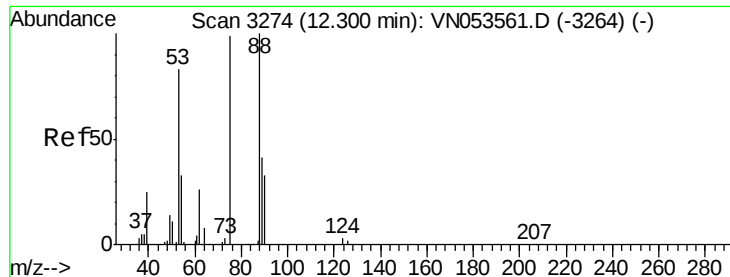
105 100

120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.268 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

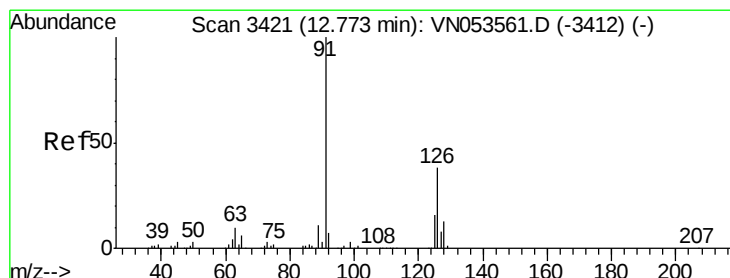
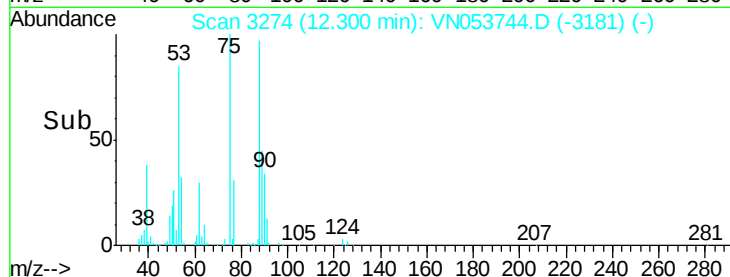
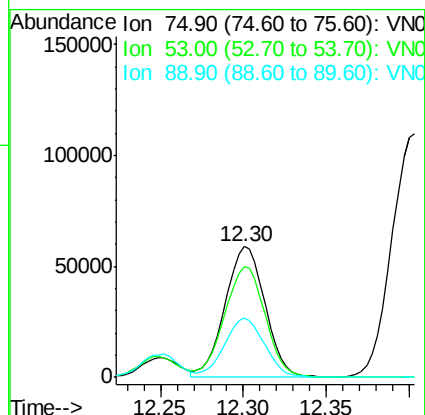
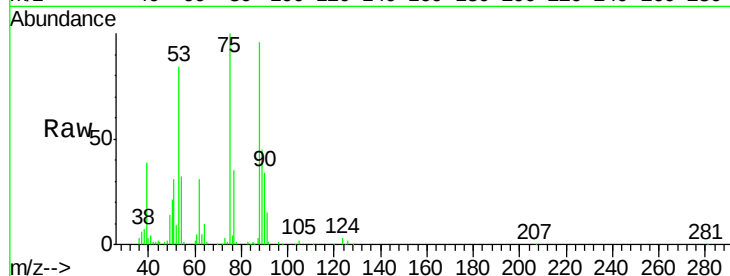
Tot Ion: 75 Resp: 99288

Ion Ratio Lower Upper

75 100

53 86.6 69.8 104.6

89 45.3 35.6 53.4



#82

4-Chlorotoluene

Concen: 49.989 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053744.D

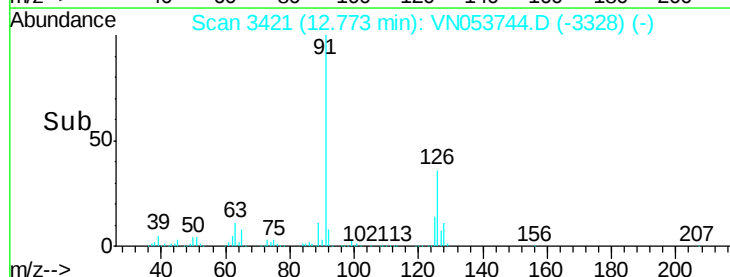
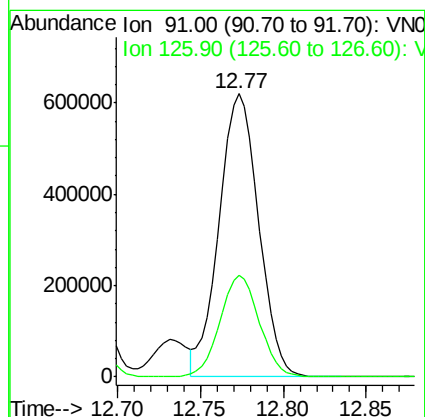
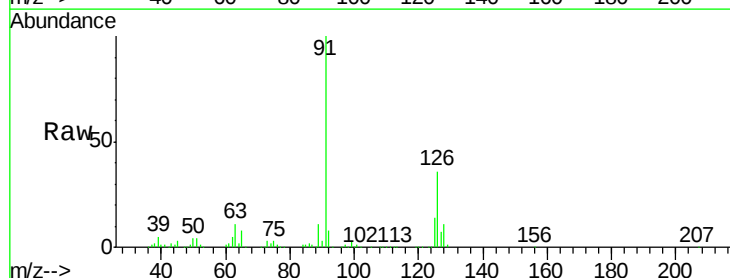
Acq: 12 Feb 2019 21:22

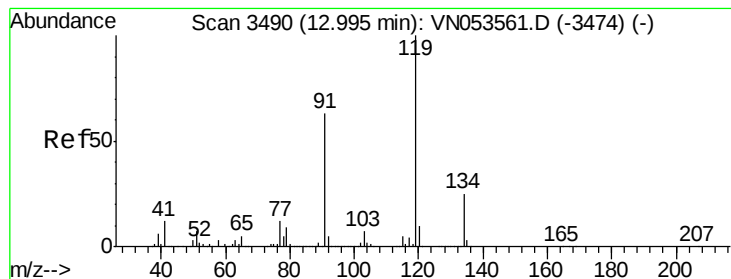
Tgt Ion: 91 Resp: 1028482

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.9





#83

tert-Butylbenzene

Concen: 51.819 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

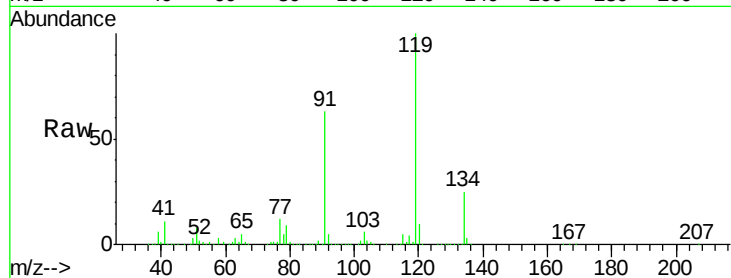
Tot Ion:119 Resp: 1110278

Ion Ratio Lower Upper

119 100

91 61.9 31.3 93.8

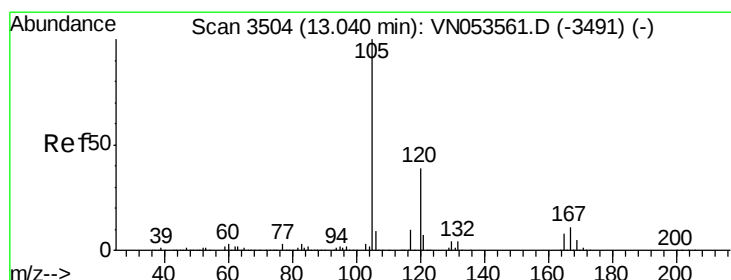
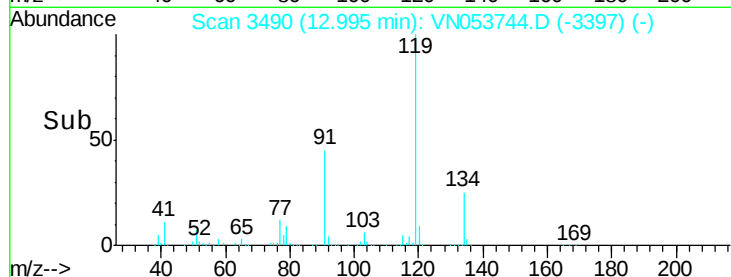
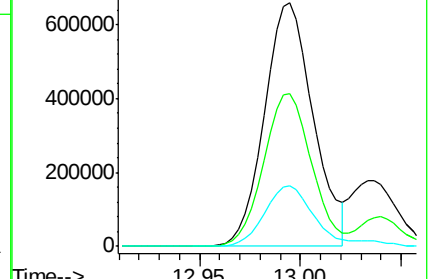
134 26.3 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.441 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053744.D

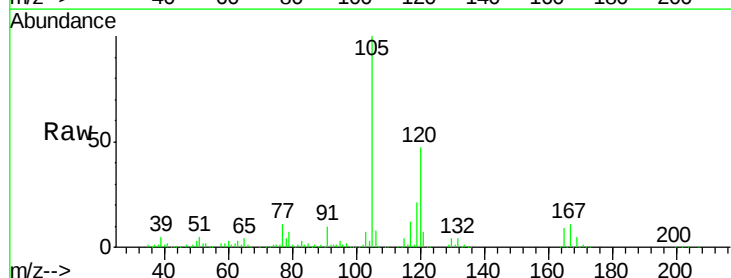
Acq: 12 Feb 2019 21:22

Tgt Ion:105 Resp: 1270527

Ion Ratio Lower Upper

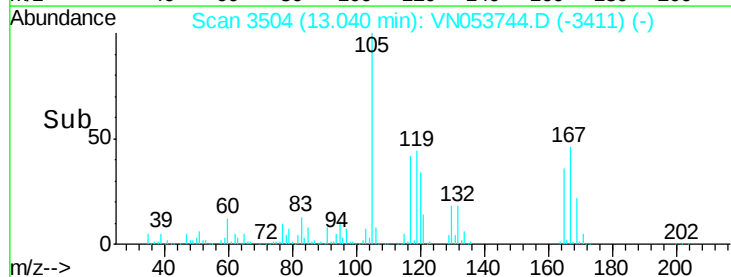
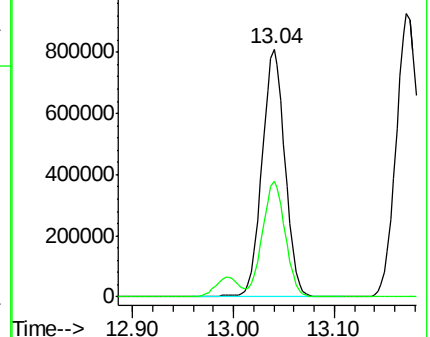
105 100

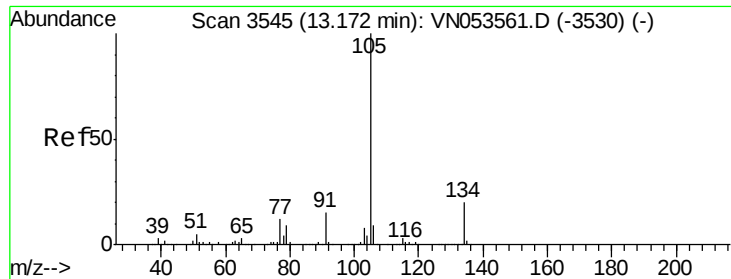
120 46.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.476 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

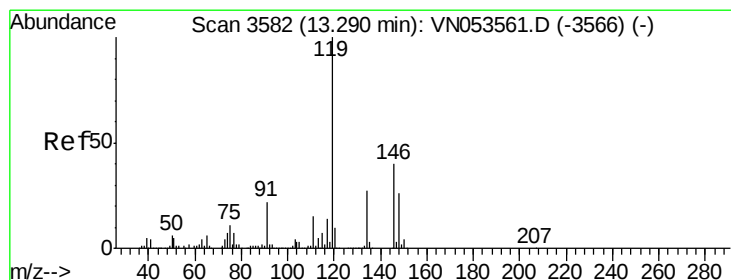
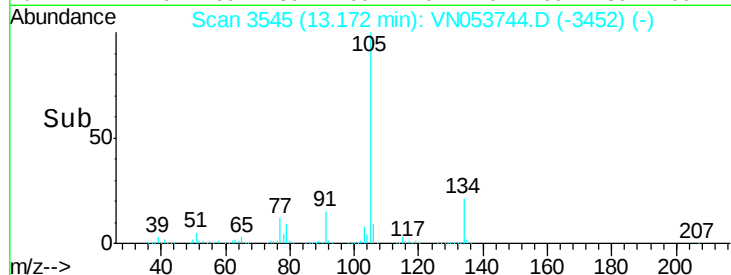
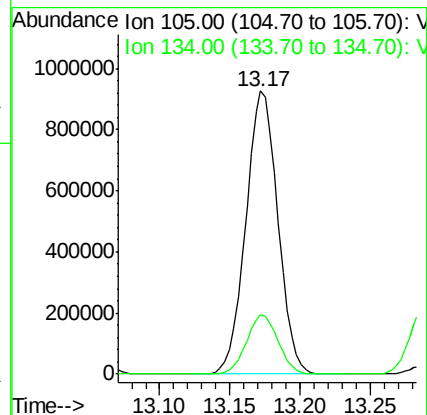
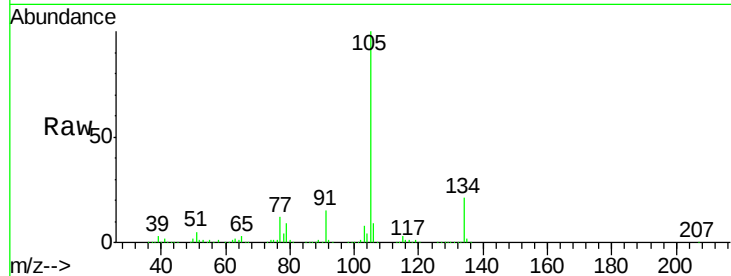
VSTDCCC050EC

Tot Ion:105 Resp: 1471708

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.926 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

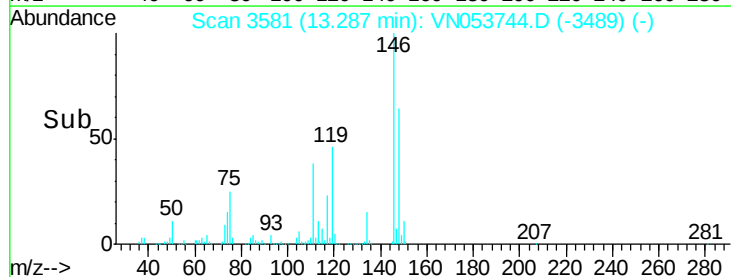
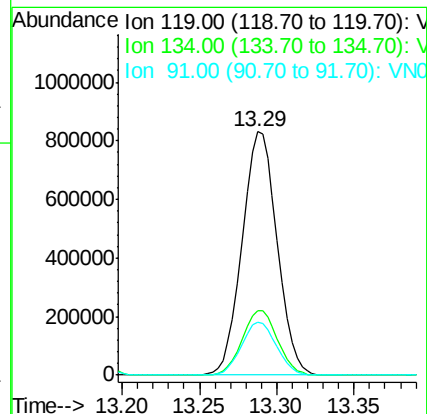
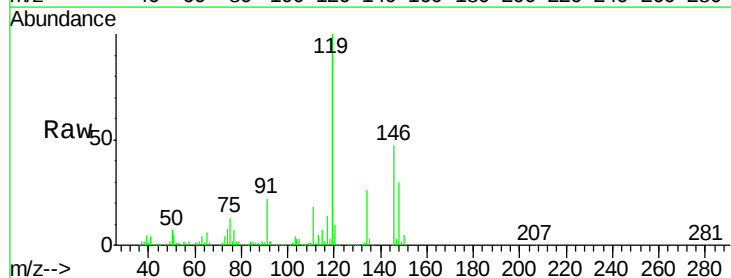
Tgt Ion:119 Resp: 1298606

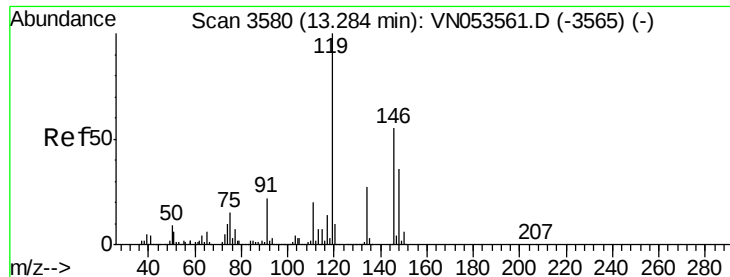
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.7 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 48.426 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

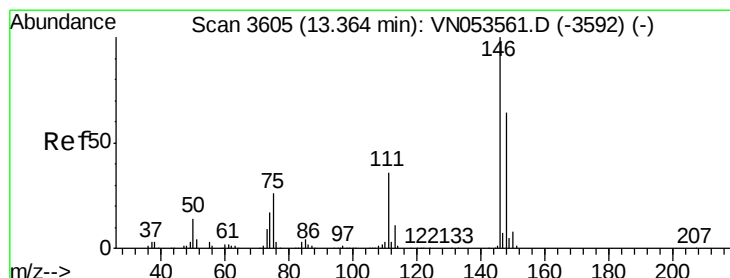
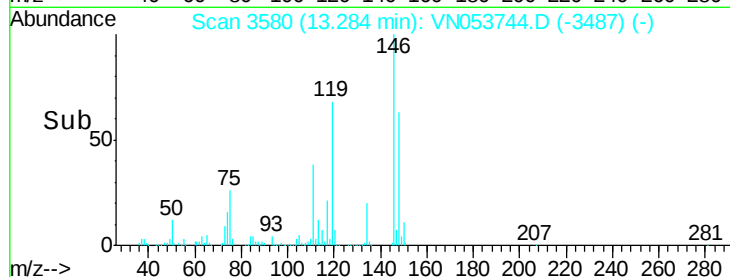
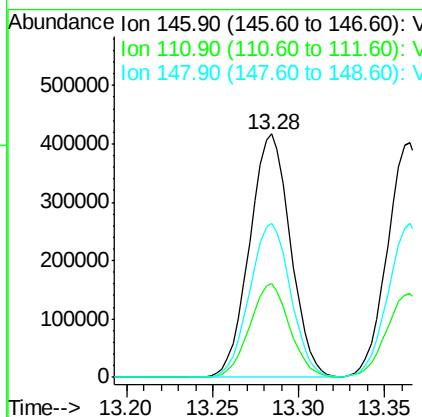
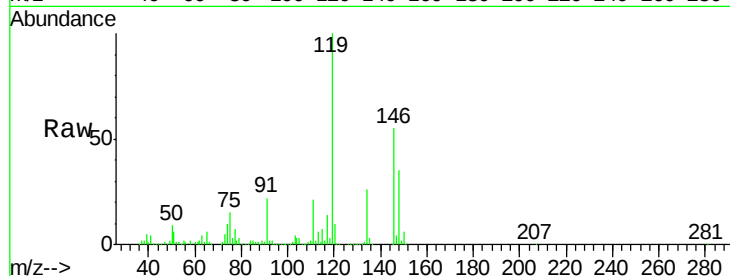
Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 685885

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	63.6	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 47.864 ug/l

RT: 13.36 min Scan# 3605

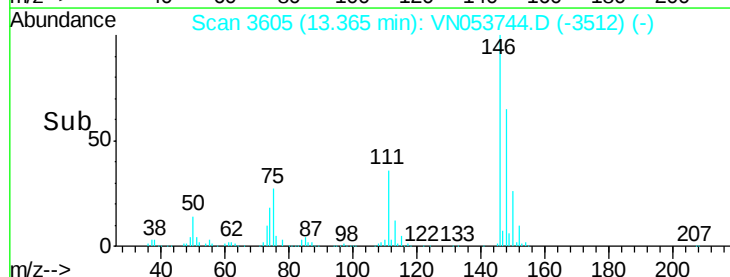
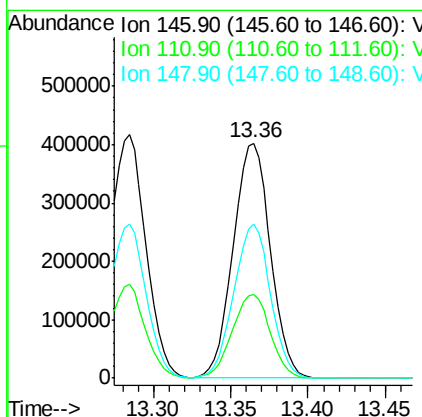
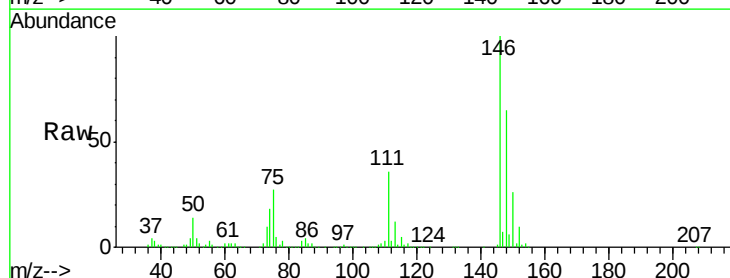
Delta R.T. 0.00 min

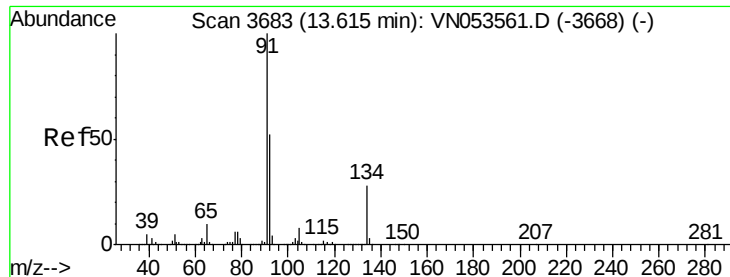
Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Tgt Ion:146 Resp: 670596

Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.8
148	64.8	32.4	97.0





#89

n-Butylbenzene

Concen: 48.187 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

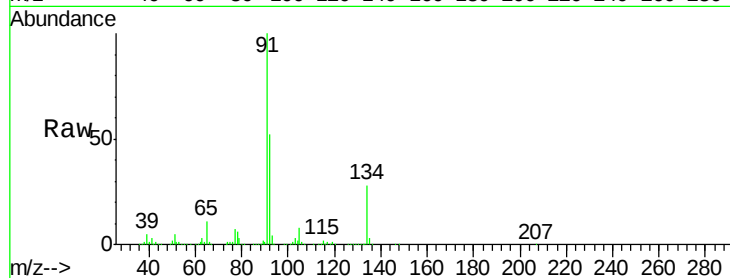
Tot Ion: 91 Resp: 1063571

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.8

134 27.4 13.5 40.5

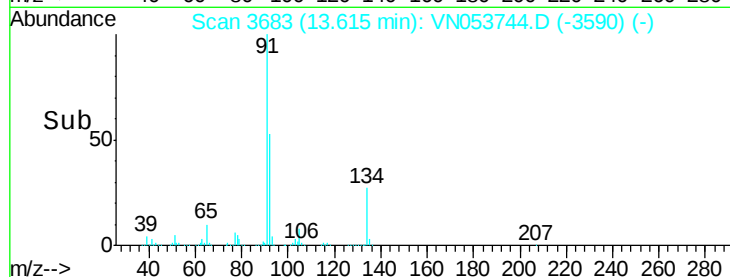


Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)

Time-->

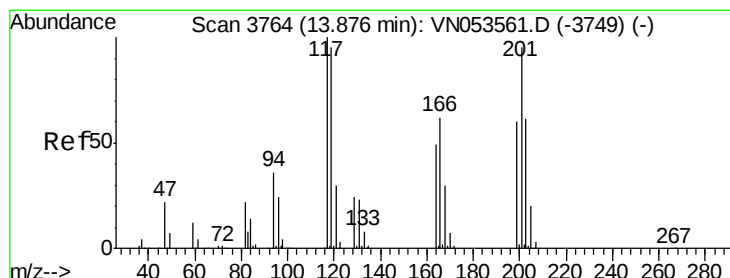


Abundance Ion 91.00 (90.70 to 91.70): VN053744.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053744.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053744.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 52.300 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053744.D

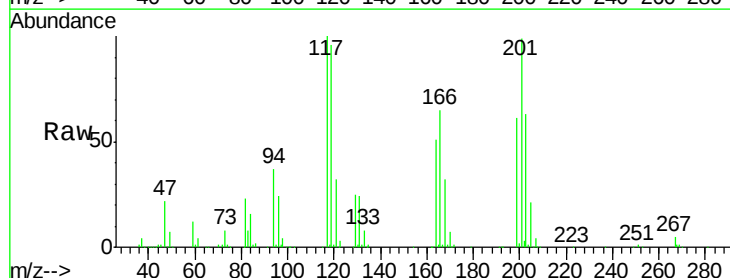
Acq: 12 Feb 2019 21:22

Tgt Ion: 117 Resp: 219982

Ion Ratio Lower Upper

117 100

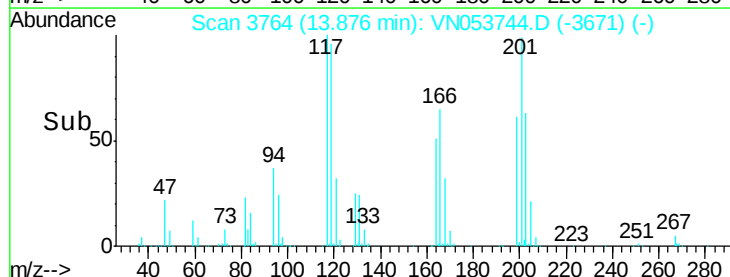
201 97.6 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)

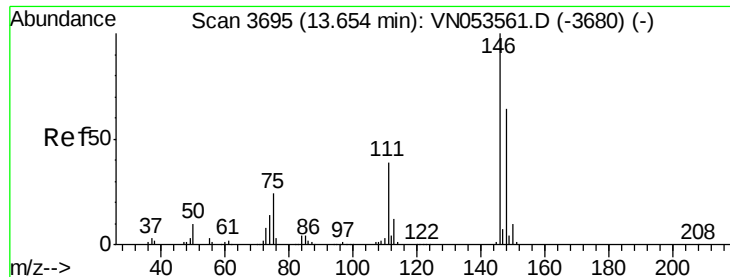
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053744.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053744.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 50.594 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

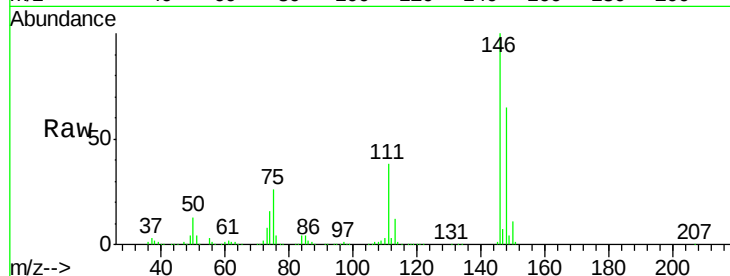
Tot Ion:146 Resp: 686018

Ion Ratio Lower Upper

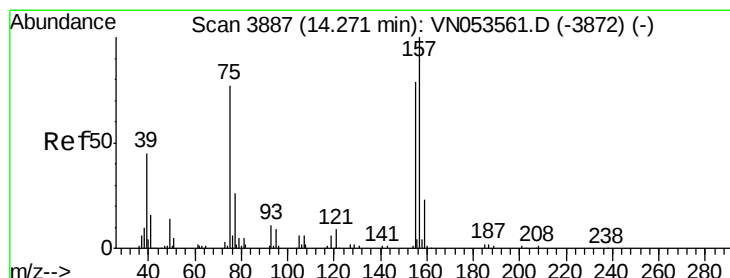
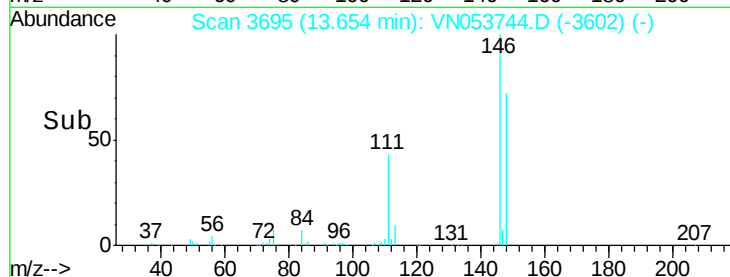
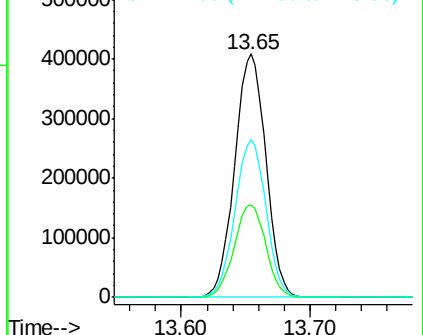
146 100

111 38.4 19.5 58.5

148 64.5 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: 55.742 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

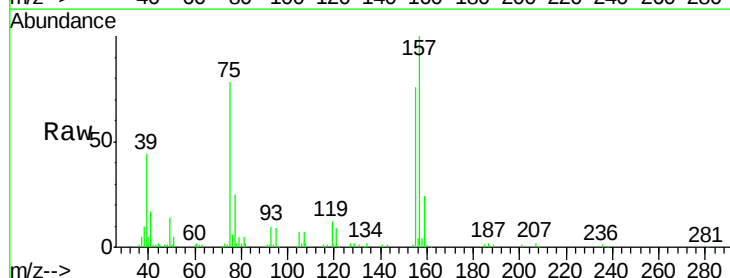
Tgt Ion: 75 Resp: 55582

Ion Ratio Lower Upper

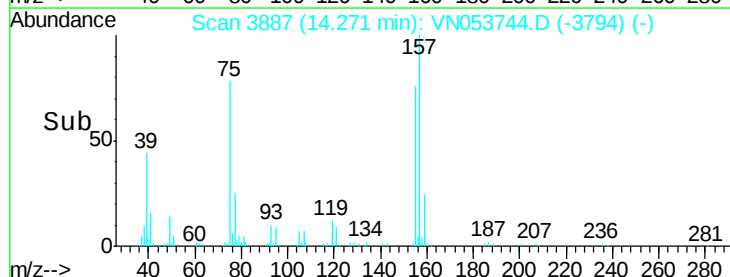
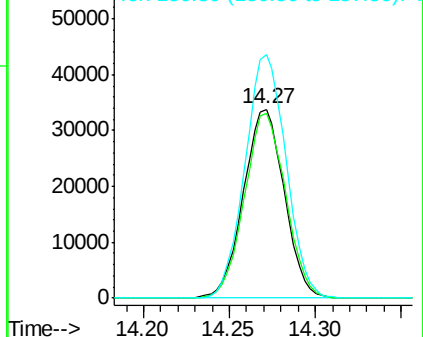
75 100

155 98.6 48.9 146.7

157 129.8 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

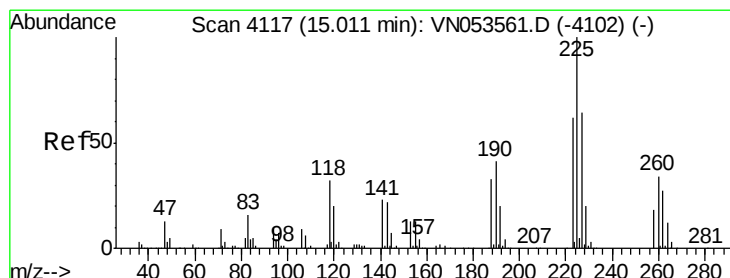
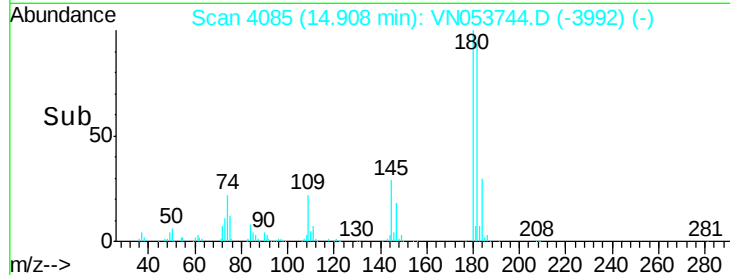
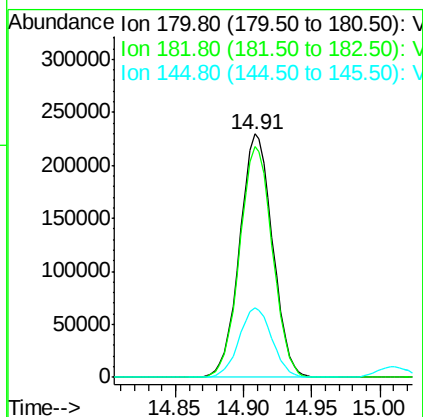
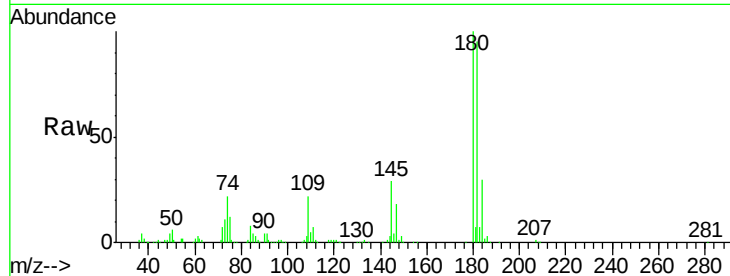




#93
 1,2,4-Trichlorobenzene
 Concen: 49.247 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

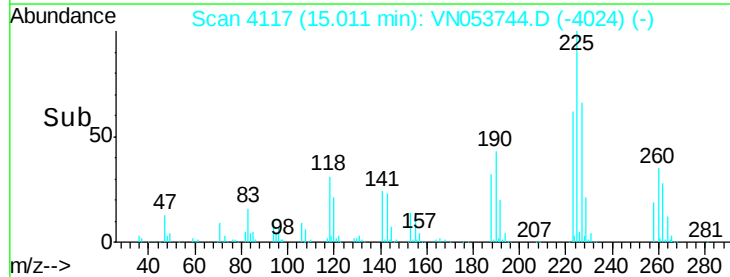
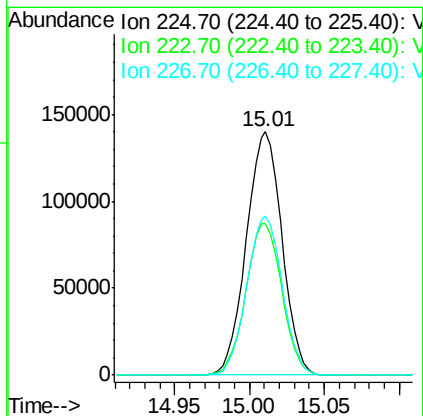
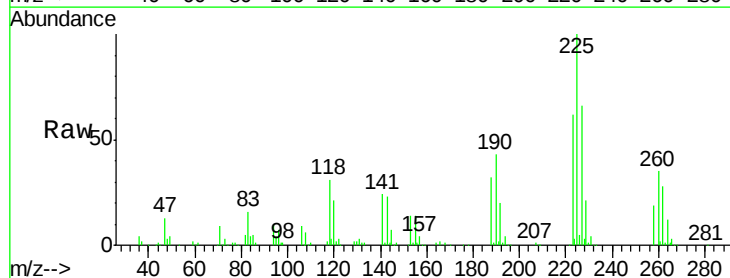
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.3
145	28.5	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 47.939 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053744.D
 Acq: 12 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.2
227	64.9	32.0	96.2





#95

Naphthalene

Concen: 46.026 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

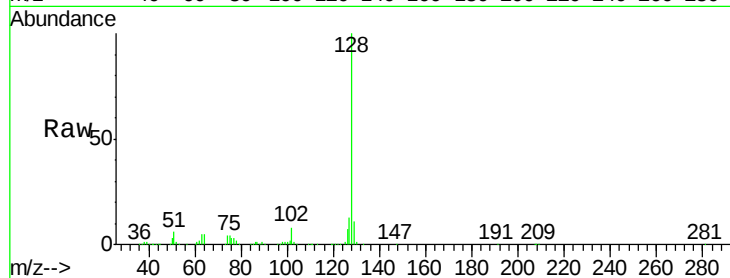
Tot Ion:128 Resp: 838195

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

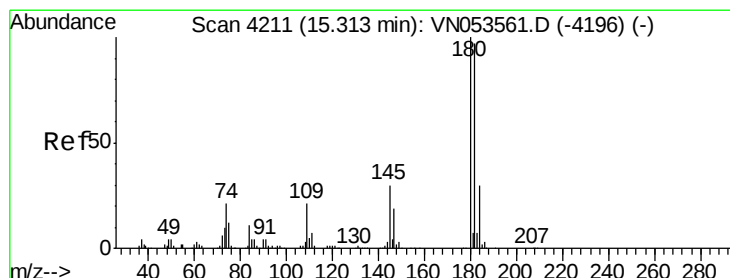
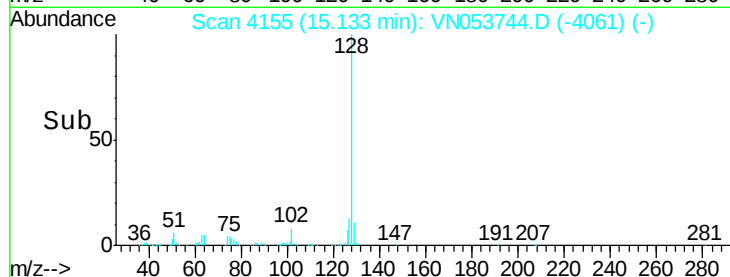
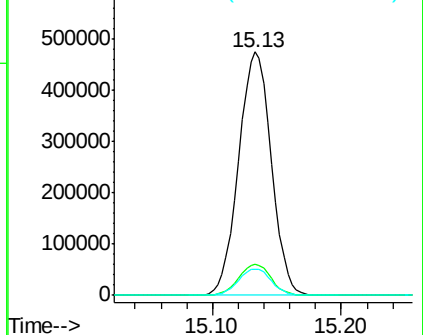
129 10.9 8.6 13.0



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: 51.575 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053744.D

Acq: 12 Feb 2019 21:22

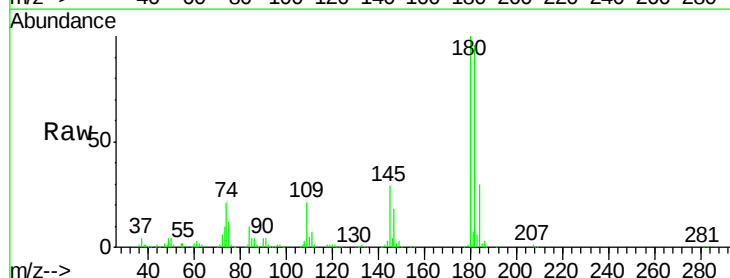
Tgt Ion:180 Resp: 372158

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 28.8 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

