

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053622.D
 Acq On : 5 Feb 2019 16:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 06 03:34:00 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	732498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1135978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	994567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	486199	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	394130	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
35) Dibromofluoromethane	7.59	113	381028	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
50) Toluene-d8	10.09	98	1404569	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	473582	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	390264	47.277	ug/l	100
3) Chloromethane	2.06	50	443334	50.980	ug/l	100
4) Vinyl Chloride	2.19	62	432672	51.254	ug/l	99
5) Bromomethane	2.57	94	278967	50.541	ug/l	99
6) Chloroethane	2.71	64	248970	51.610	ug/l	98
7) Trichlorofluoromethane	3.02	101	571380	49.912	ug/l	99
8) Diethyl Ether	3.41	74	217998	52.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	346611	48.957	ug/l	98
10) Methyl Iodide	3.96	142	565567	50.895	ug/l	100
11) Tert butyl alcohol	4.78	59	126303	290.422	ug/l	99
12) 1,1-Dichloroethene	3.74	96	344534	50.793	ug/l	98
13) Acrolein	3.61	56	90963	384.164	ug/l	100
14) Allyl chloride	4.33	41	563021	52.131	ug/l	99
15) Acrylonitrile	4.99	53	659794	281.029	ug/l	100
16) Acetone	3.81	43	440953	233.943	ug/l	99
17) Carbon Disulfide	4.06	76	1000903	47.389	ug/l	100
18) Methyl Acetate	4.32	43	312277	55.943	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	950714	55.289	ug/l	98
20) Methylene Chloride	4.55	84	391449	49.502	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	370392	50.614	ug/l	98
22) Diisopropyl ether	5.95	45	1097423	54.839	ug/l	98
23) Vinyl Acetate	5.90	43	3872921	279.757	ug/l	99
24) 1,1-Dichloroethane	5.85	63	680517	50.984	ug/l	99
25) 2-Butanone	6.83	43	721276	268.307	ug/l	99
26) 2,2-Dichloropropane	6.82	77	491361	48.224	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	427212	52.500	ug/l	98
28) Bromochloromethane	7.19	49	295085	50.944	ug/l	97
29) Tetrahydrofuran	7.21	42	490377	284.078	ug/l	99
30) Chloroform	7.37	83	670858	50.702	ug/l	99
31) Cyclohexane	7.66	56	609264	49.023	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	566701	51.465	ug/l	99
36) 1,1-Dichloropropene	7.79	75	514818	50.274	ug/l	99
37) Ethyl Acetate	6.93	43	324615	56.759	ug/l	98
38) Carbon Tetrachloride	7.78	117	499457	48.417	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	596217	49.076	ug/l	98
40) Benzene	8.04	78	1562633	49.485	ug/l	100
41) Methacrylonitrile	7.17	41	172466	53.956	ug/l	91
42) 1,2-Dichloroethane	8.12	62	466348	49.738	ug/l	99
43) Isopropyl Acetate	8.16	43	588579	53.290	ug/l	98
44) Trichloroethene	8.84	130	432672	48.128	ug/l	99
45) 1,2-Dichloropropane	9.12	63	407866	50.498	ug/l	100
46) Dibromomethane	9.21	93	243039	49.917	ug/l	98
47) Bromodichloromethane	9.40	83	511910	50.568	ug/l	99
48) Methyl methacrylate	9.20	41	278017	52.733	ug/l	95
49) 1,4-Dioxane	9.20	88	79524	1039.367	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1509523	278.125	ug/l	100
52) Toluene	10.16	92	950611	50.723	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	527092	51.997	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	617158	51.378	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	351364	52.029	ug/l	98
56) Ethyl methacrylate	10.43	69	445826	55.804	ug/l	98
57) 1,3-Dichloropropane	10.71	76	590777	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1195772	241.620	ug/l	99
59) 2-Hexanone	10.75	43	981282	266.322	ug/l	99
60) Dibromochloromethane	10.90	129	395016	51.870	ug/l	100
61) 1,2-Dibromoethane	11.01	107	337754	50.530	ug/l	99
64) Tetrachloroethene	10.63	164	411798	48.301	ug/l	99
65) Chlorobenzene	11.44	112	1044291	49.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	378640	51.321	ug/l	99
67) Ethyl Benzene	11.51	91	1749288	50.407	ug/l	100
68) m/p-Xylenes	11.62	106	1357359	102.482	ug/l	99
69) o-Xylene	11.95	106	663364	51.842	ug/l	99
70) Styrene	11.96	104	1087224	52.422	ug/l	100
71) Bromoform	12.13	173	276784	54.721	ug/l #	99
73) Isopropylbenzene	12.25	105	1714971	50.176	ug/l	100
74) N-amyl acetate	12.07	43	460329	56.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	418334	51.141	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	509528	81.591	ug/l #	100
77) Bromobenzene	12.53	156	458398	49.763	ug/l	99
78) n-propylbenzene	12.59	91	1980721	50.130	ug/l	100
79) 2-Chlorotoluene	12.68	91	1174481	50.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1479803	52.211	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115731	52.111	ug/l	99
82) 4-Chlorotoluene	12.77	91	1196797	49.754	ug/l	100
83) tert-Butylbenzene	12.99	119	1292139	51.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1490564	51.619	ug/l	99
85) sec-Butylbenzene	13.17	105	1733503	50.853	ug/l	100
86) p-Isopropyltoluene	13.29	119	1537913	51.585	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	807619	48.772	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	802149	48.971	ug/l	100
89) n-Butylbenzene	13.62	91	1316357	51.011	ug/l	100
90) Hexachloroethane	13.88	117	253164	51.481	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	791558	49.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61303	52.585	ug/l	98

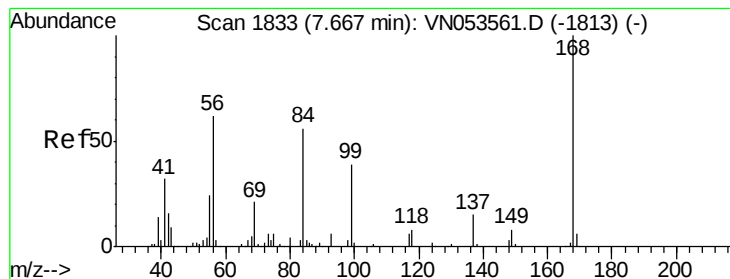
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	472932	52.016	ug/l	99
94) Hexachlorobutadiene	15.01	225	273023	48.219	ug/l	99
95) Naphthalene	15.13	128	1066377	49.931	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	435020	51.565	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

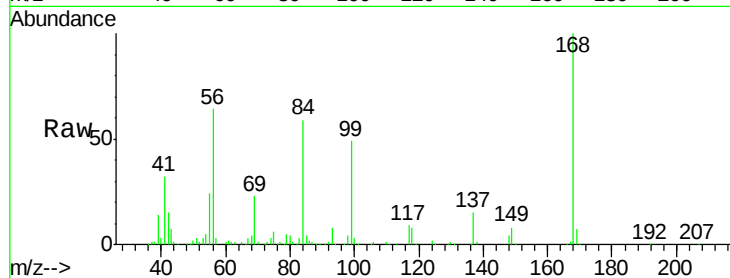
VSTDCCC050EC

Tot Ion:168 Resp: 732498

Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

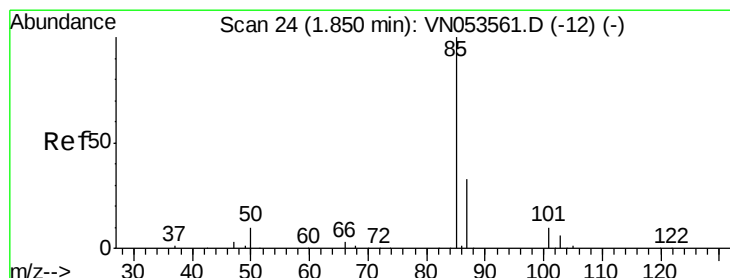
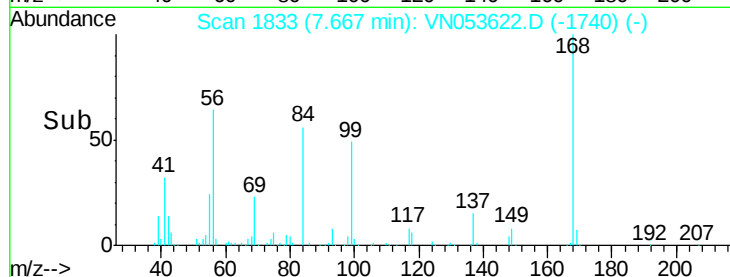
200000

100000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.277 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053622.D

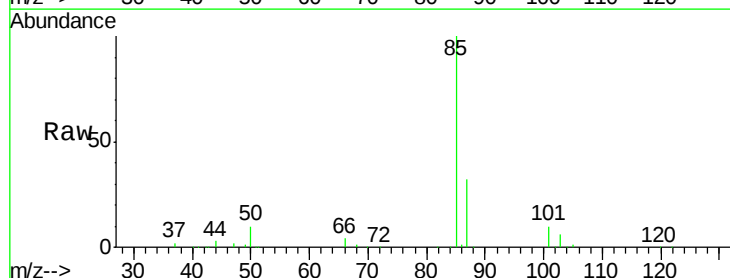
Acq: 5 Feb 2019 16:16

Tgt Ion: 85 Resp: 390264

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

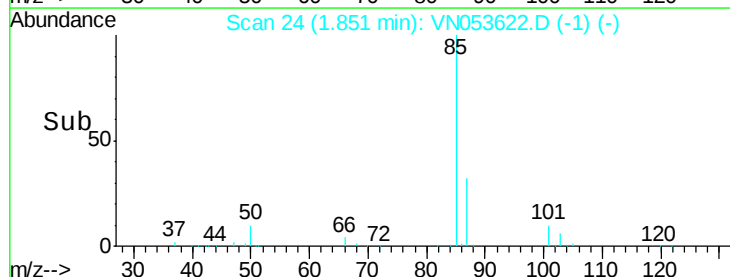
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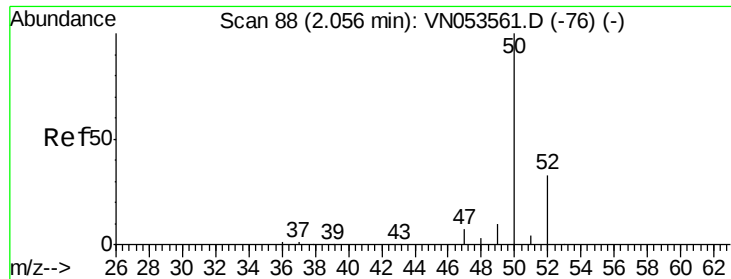
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.980 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

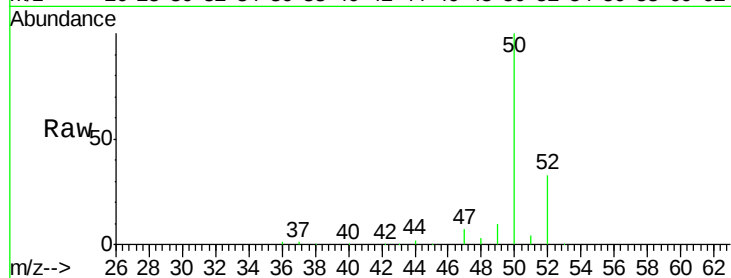
VSTDCCC050EC

Tot Ion: 50 Resp: 443334

Ion Ratio Lower Upper

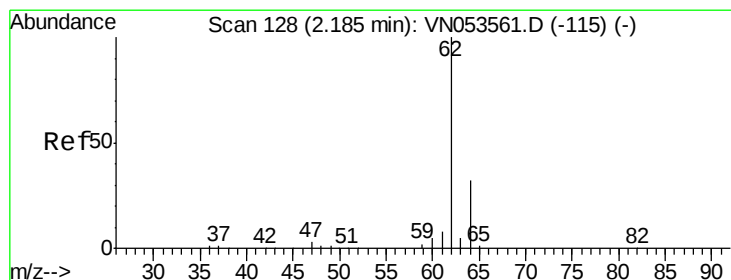
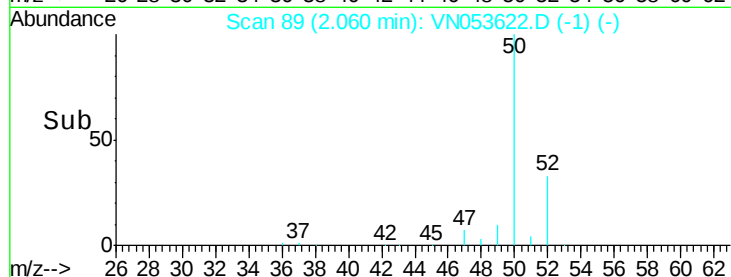
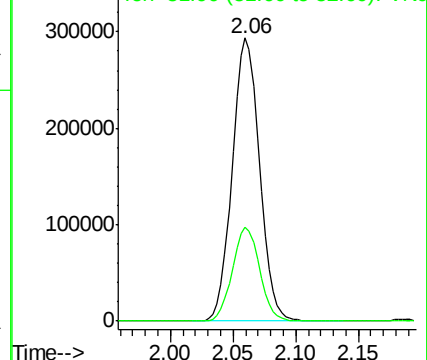
50 100

52 33.1 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: 51.254 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053622.D

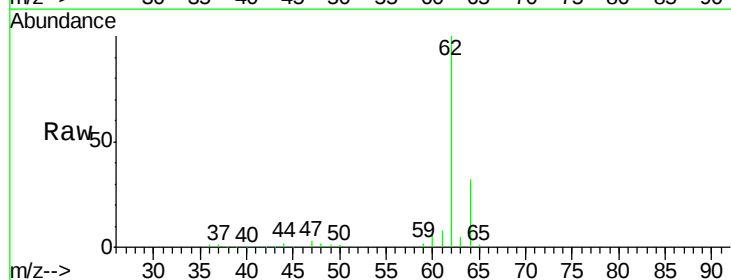
Acq: 5 Feb 2019 16:16

Tgt Ion: 62 Resp: 432672

Ion Ratio Lower Upper

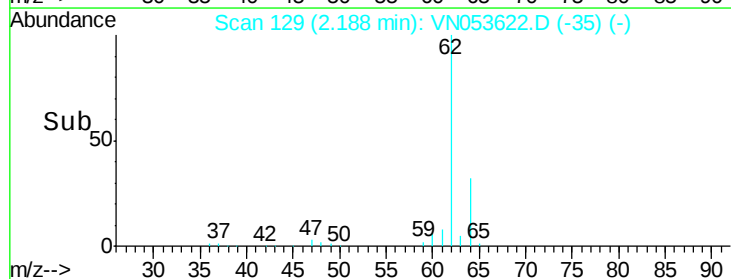
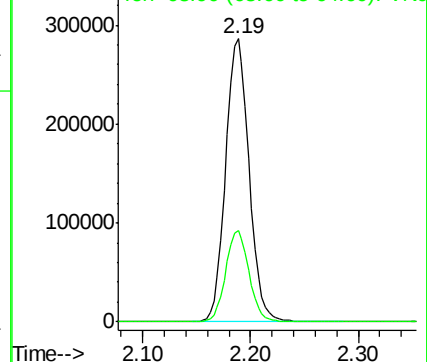
62 100

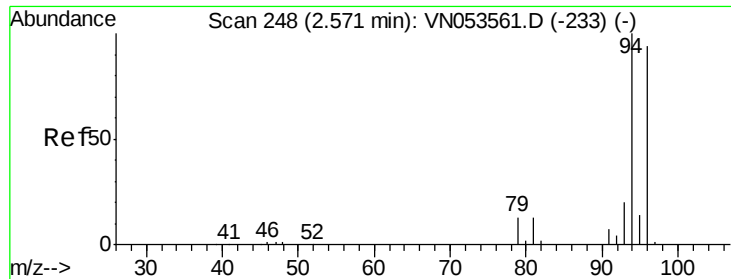
64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.541 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

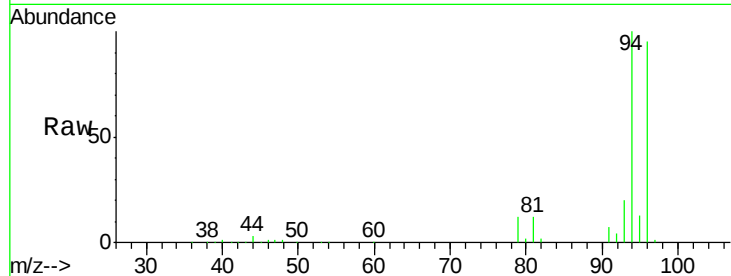
VSTDCCC050EC

Tot Ion: 94 Resp: 278967

Ion Ratio Lower Upper

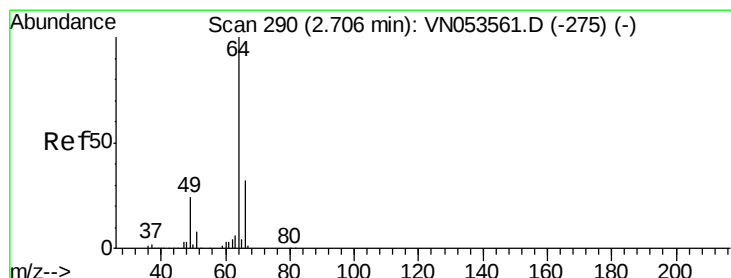
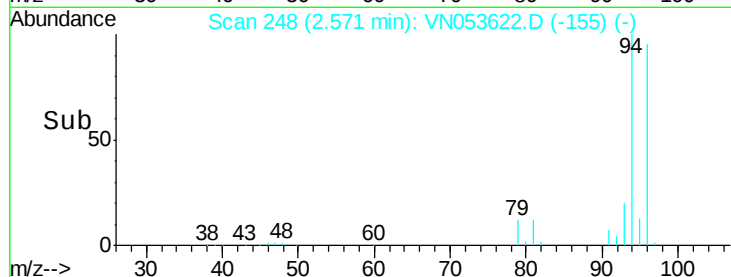
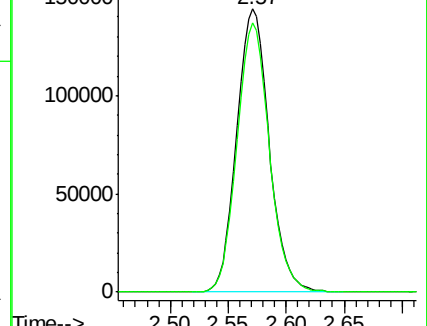
94 100

96 95.2 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.610 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053622.D

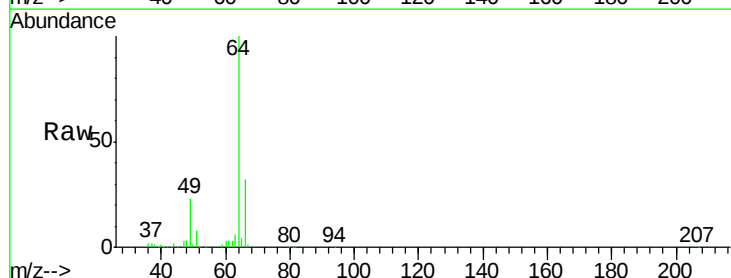
Acq: 5 Feb 2019 16:16

Tgt Ion: 64 Resp: 248970

Ion Ratio Lower Upper

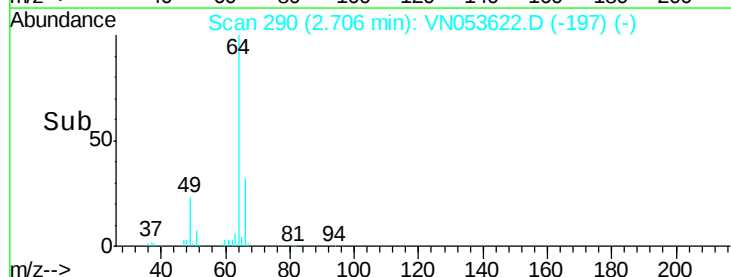
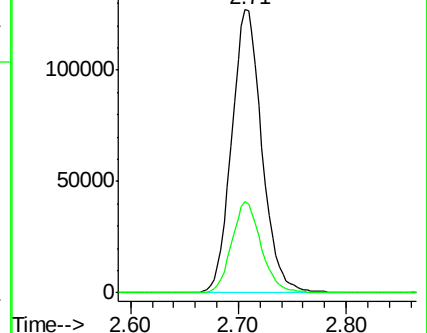
64 100

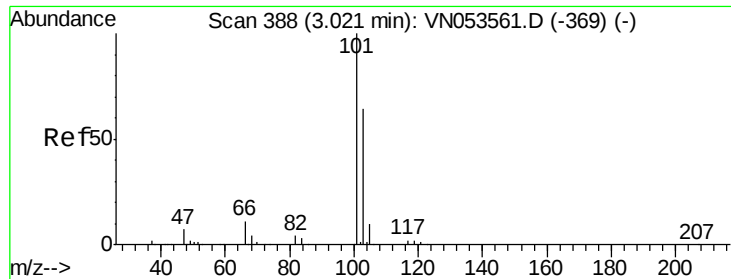
66 32.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



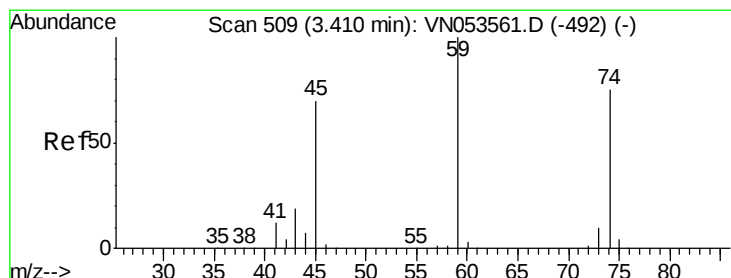
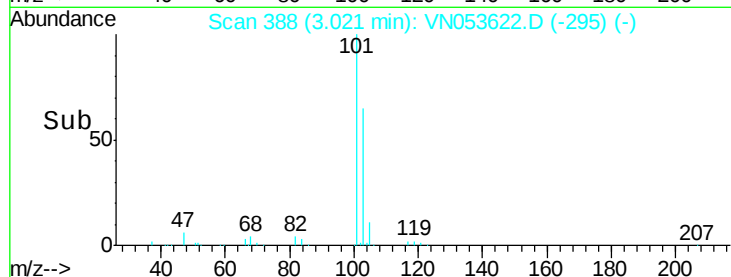
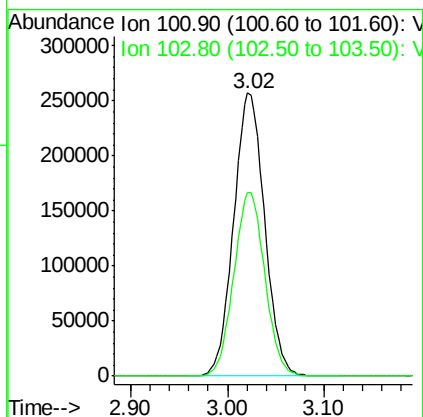
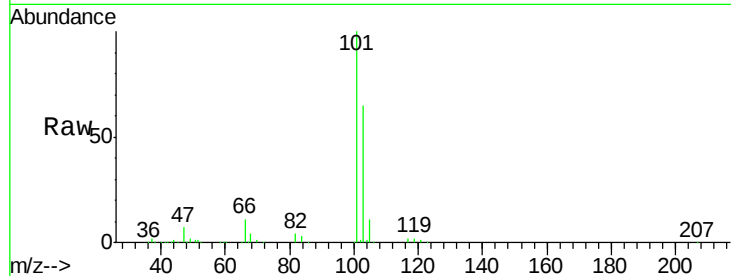


#7

Trichlorofluoromethane
 Concen: 49.912 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

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 VSTDCCC050EC

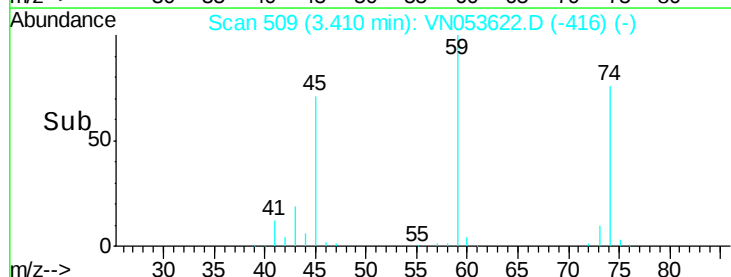
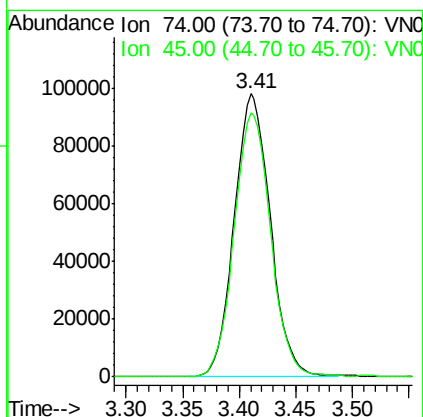
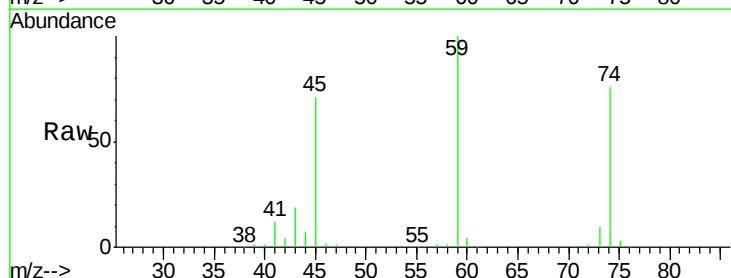
Tot Ion:101 Resp: 571380
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.6 77.4

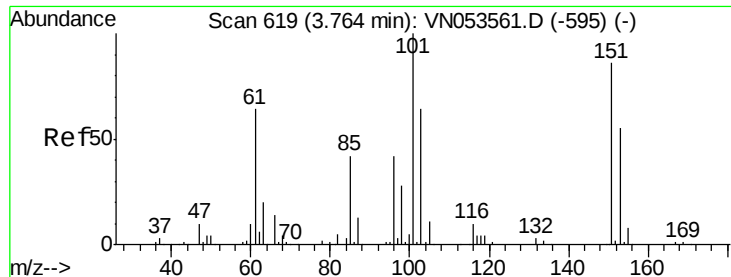


#8

Diethyl Ether
 Concen: 52.143 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion: 74 Resp: 217998
 Ion Ratio Lower Upper
 74 100
 45 94.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.957 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

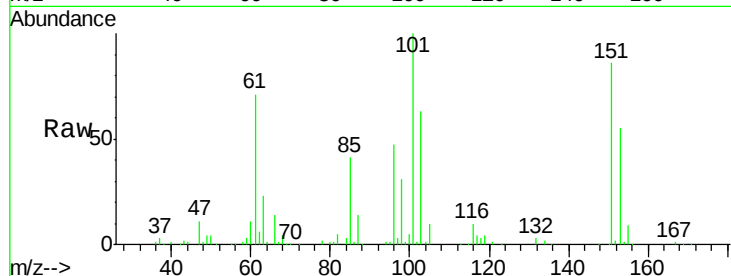
Tot Ion:101 Resp: 346611

Ion Ratio Lower Upper

101 100

85 41.3 32.8 49.2

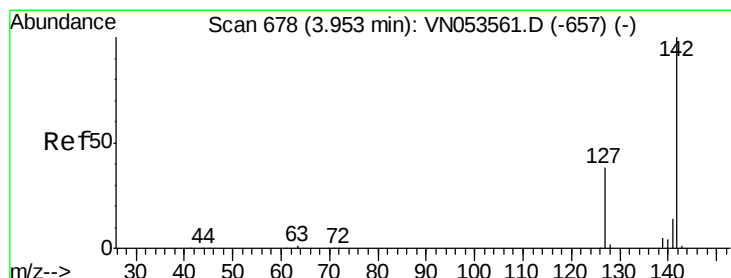
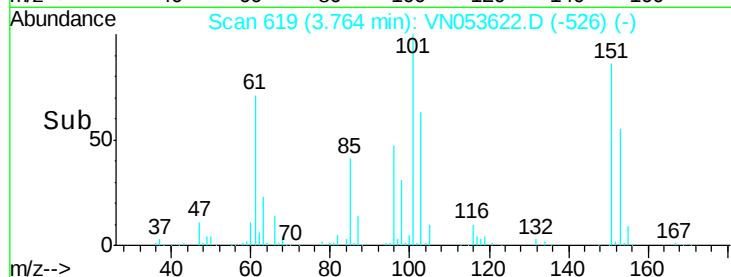
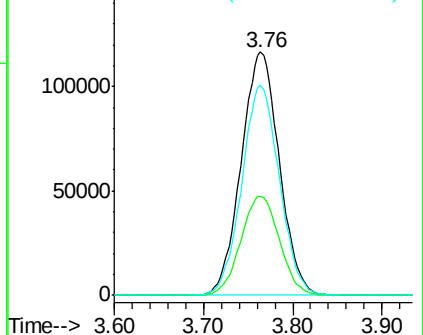
151 85.5 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.895 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

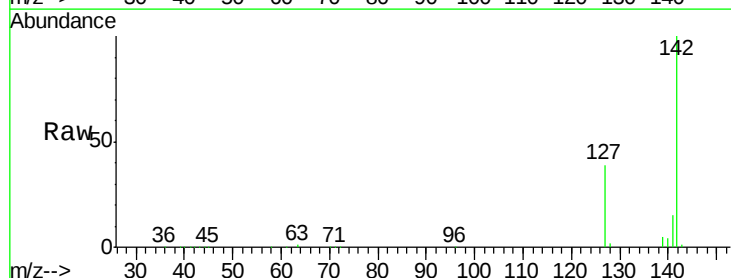
Tgt Ion:142 Resp: 565567

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

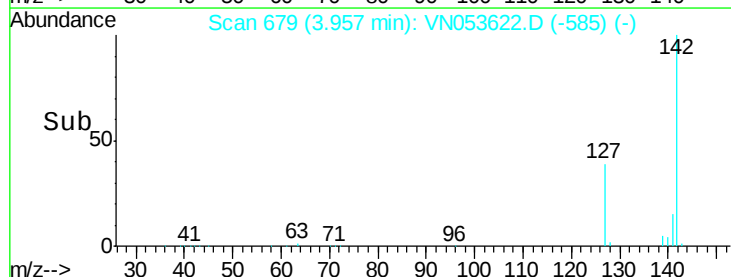
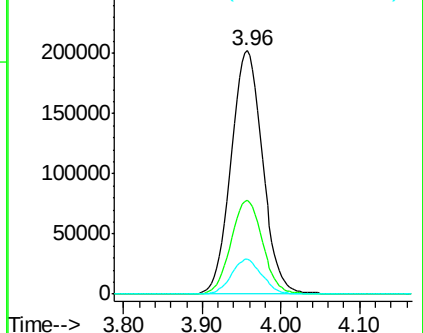
141 14.1 11.1 16.7

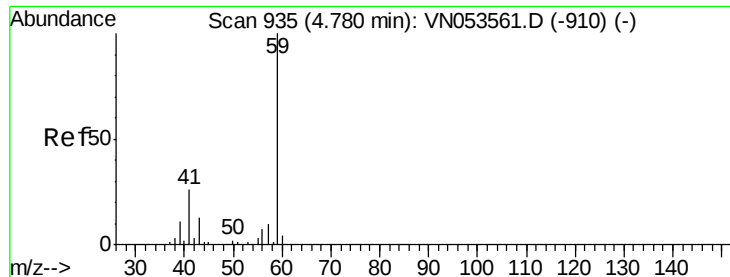


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



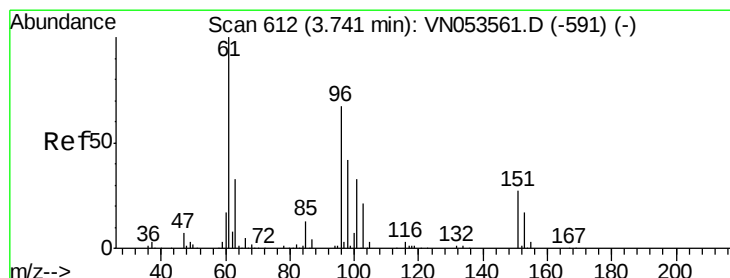
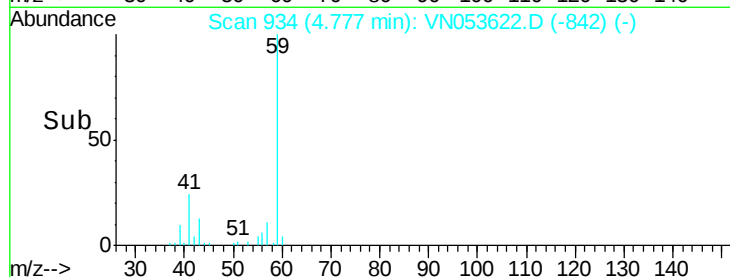
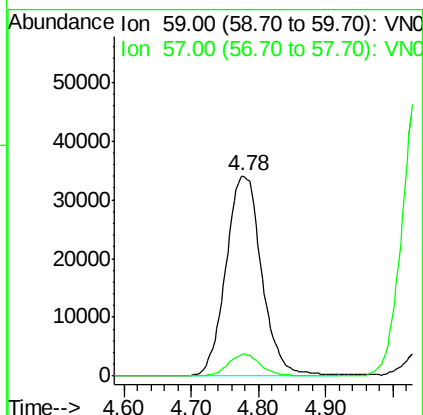
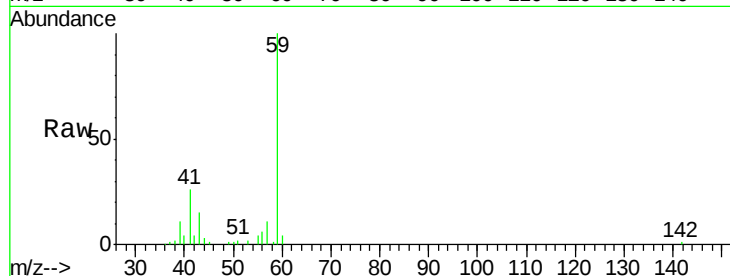


#11

Tert butyl alcohol
Concen: 290.422 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

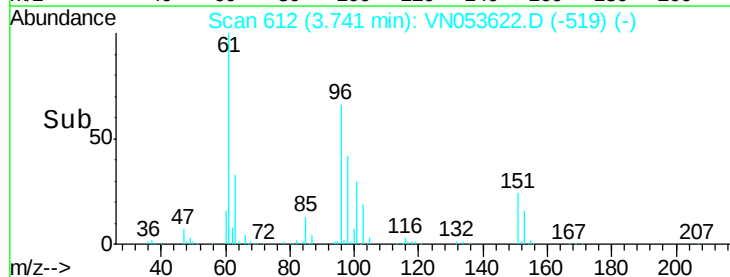
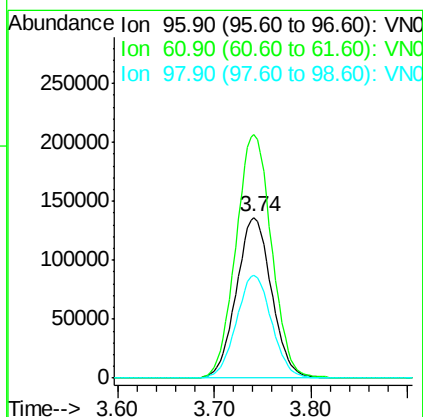
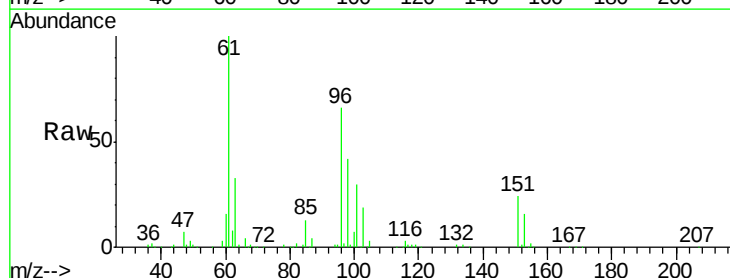
Tot Ion: 59 Resp: 126303
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

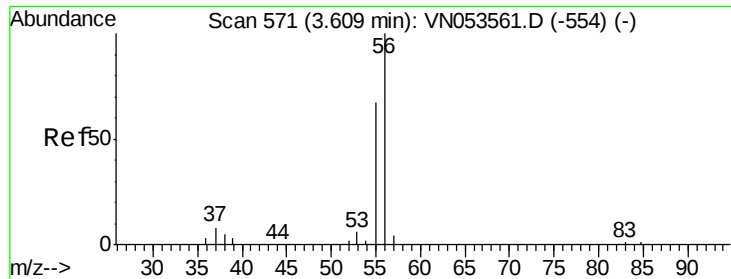


#12

1,1-Dichloroethene
Concen: 50.793 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 96 Resp: 344534
Ion Ratio Lower Upper
96 100
61 151.7 122.9 184.3
98 64.3 49.4 74.0





#13

Acrolein

Concen: 384.164 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

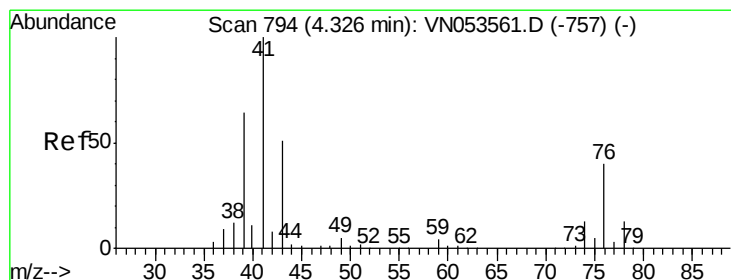
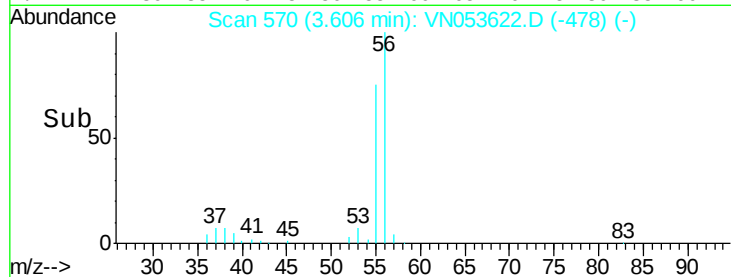
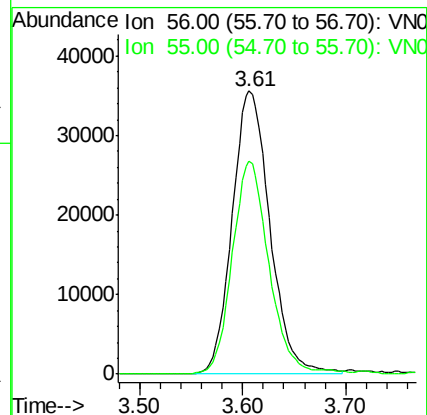
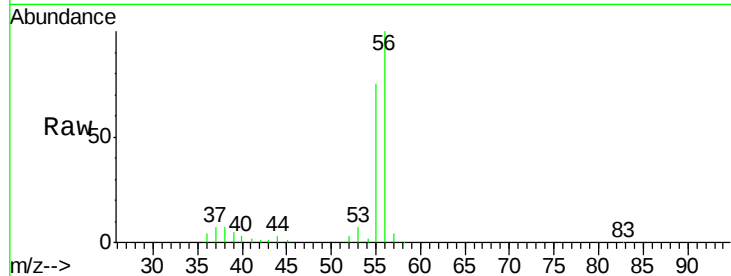
VSTDCCC050EC

Tot Ion: 56 Resp: 90963

Ion Ratio Lower Upper

56 100

55 72.0 57.4 86.0



#14

Allyl chloride

Concen: 52.131 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

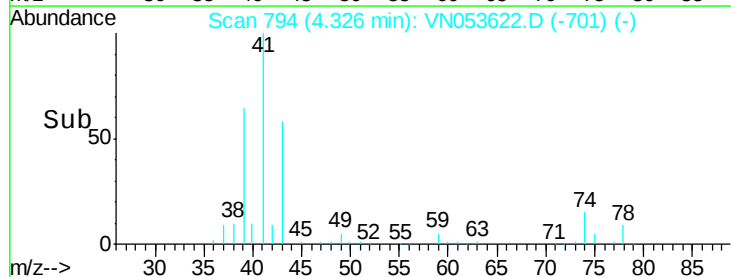
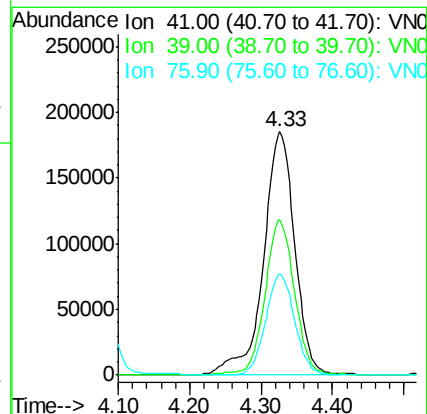
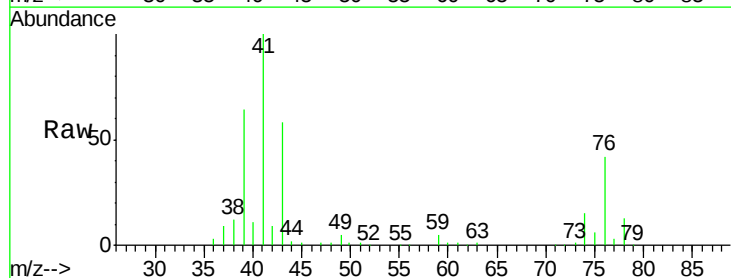
Tgt Ion: 41 Resp: 563021

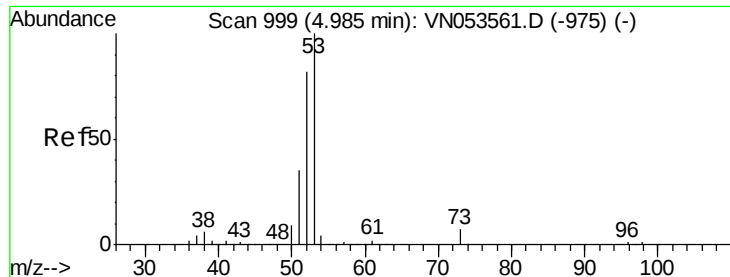
Ion Ratio Lower Upper

41 100

39 60.3 48.9 73.3

76 37.9 29.4 44.2





#15

Acrylonitrile

Concen: 281.029 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

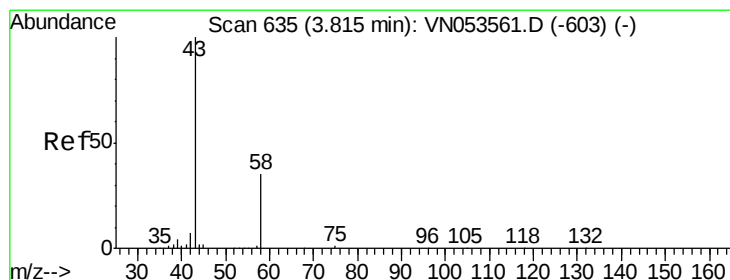
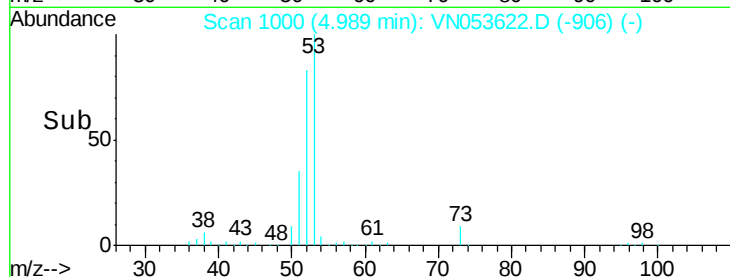
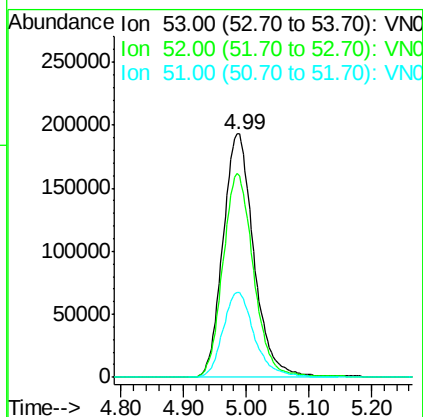
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 659794

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	35.6	28.3	42.5



#16

Acetone

Concen: 233.943 ug/l

RT: 3.81 min Scan# 634

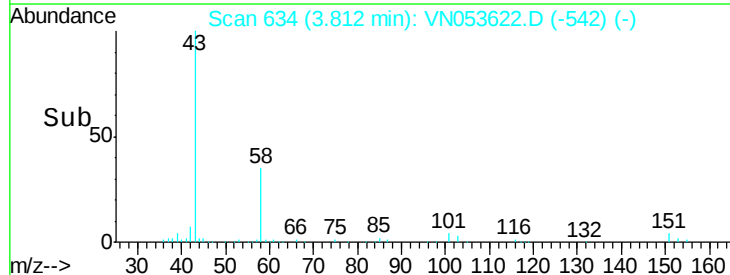
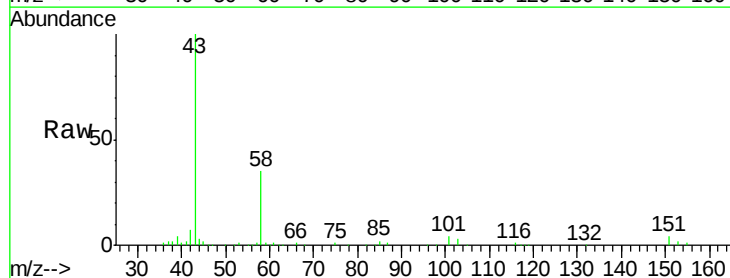
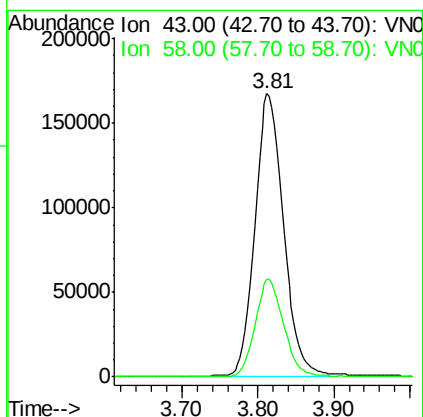
Delta R.T. -0.00 min

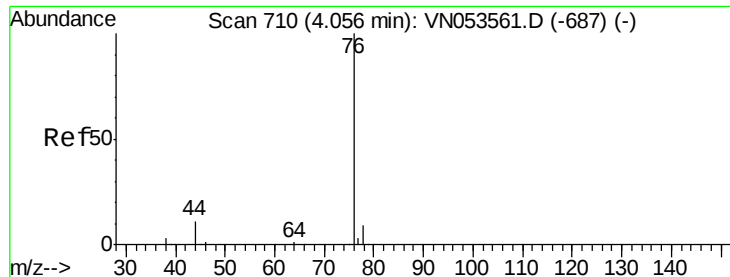
Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion: 43 Resp: 440953

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.1	40.7





#17

Carbon Disulfide

Concen: 47.389 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

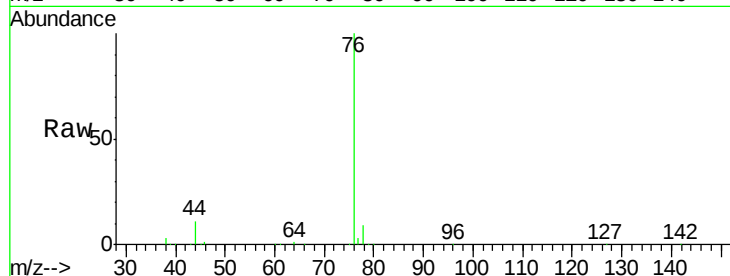
VSTDCCC050EC

Tot Ion: 76 Resp: 1000903

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

400000

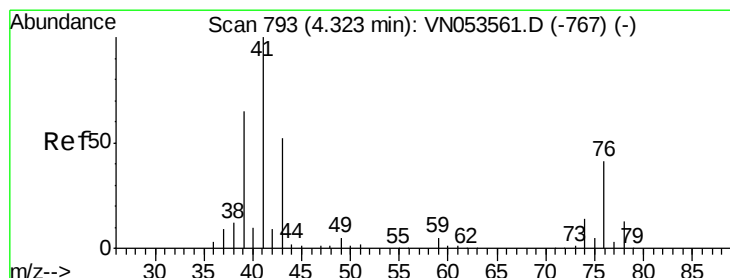
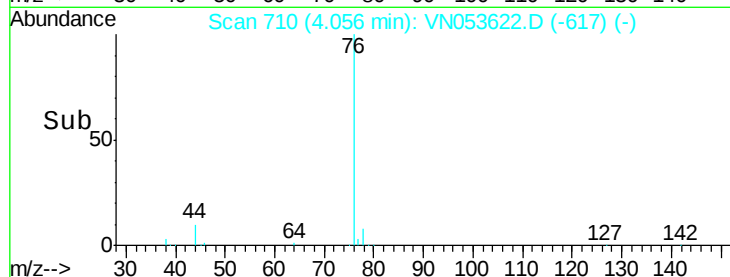
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 55.943 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053622.D

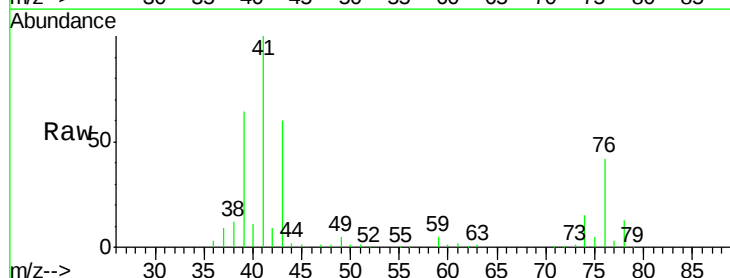
Acq: 5 Feb 2019 16:16

Tgt Ion: 43 Resp: 312277

Ion Ratio Lower Upper

43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

120000

100000

80000

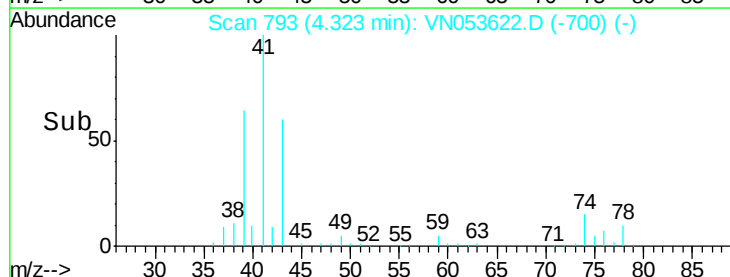
60000

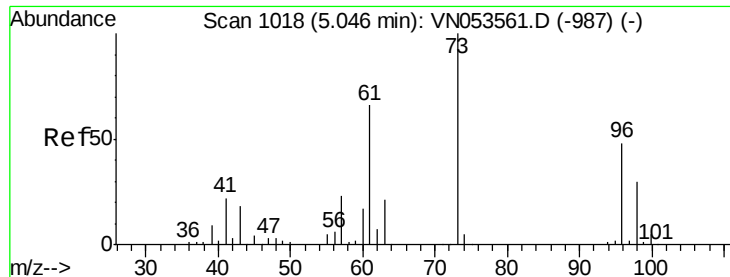
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

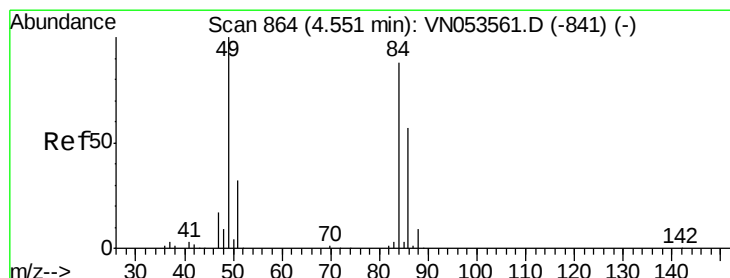
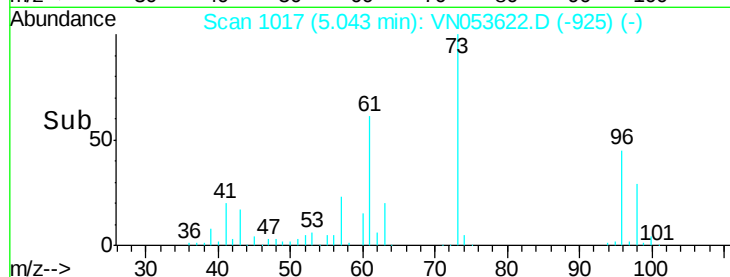
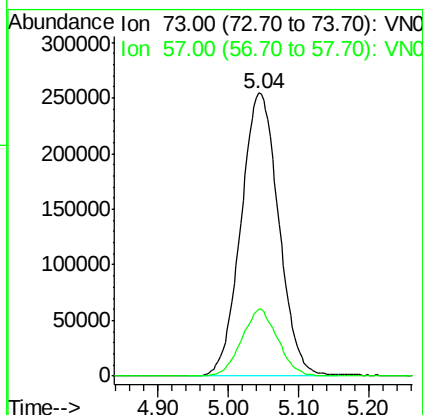
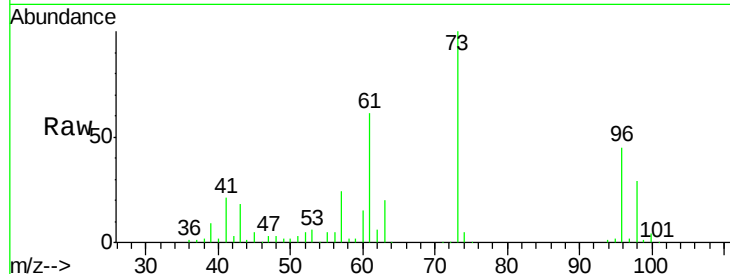




#19
Methvl tert-butvl Ether
Concen: 55.289 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

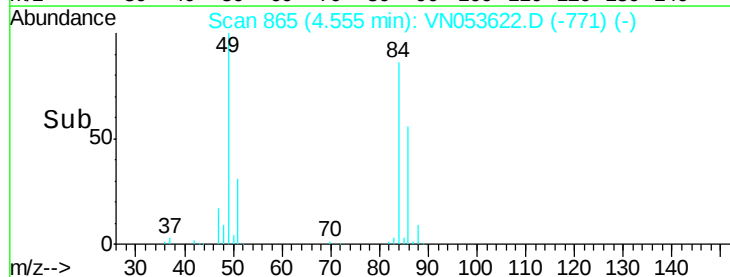
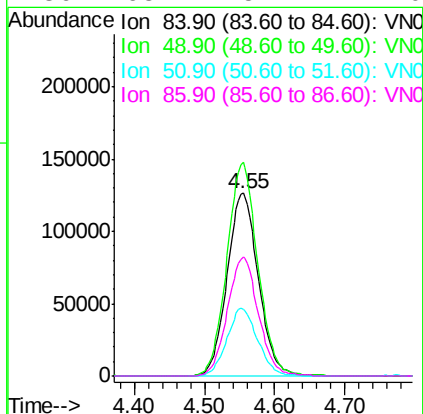
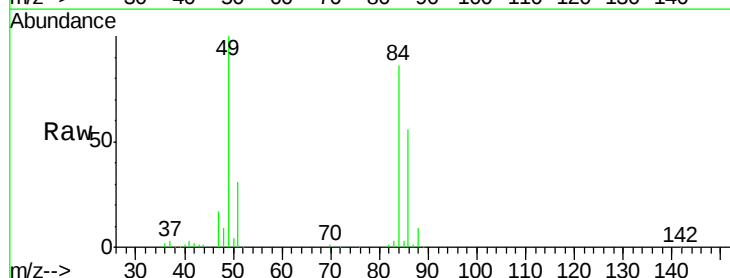
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

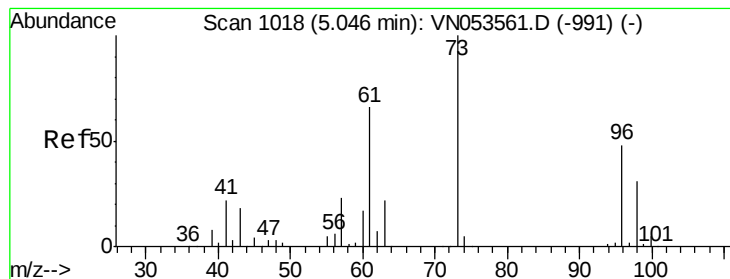
Tot Ion: 73 Resp: 950714
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5



#20
Methylene Chloride
Concen: 49.502 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 84 Resp: 391449
Ion Ratio Lower Upper
84 100
49 116.6 94.3 141.5
51 36.6 29.4 44.2
86 65.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.614 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

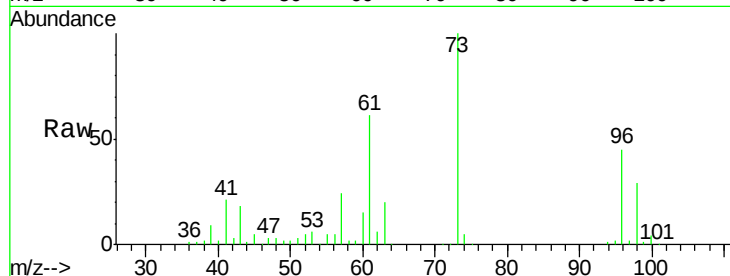
Tot Ion: 96 Resp: 370392

Ion Ratio Lower Upper

96 100

61 134.1 110.1 165.1

98 63.5 50.0 75.0

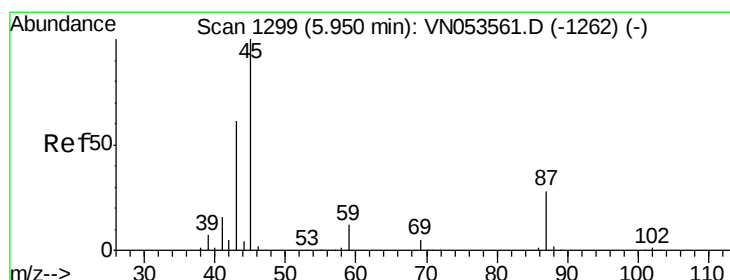
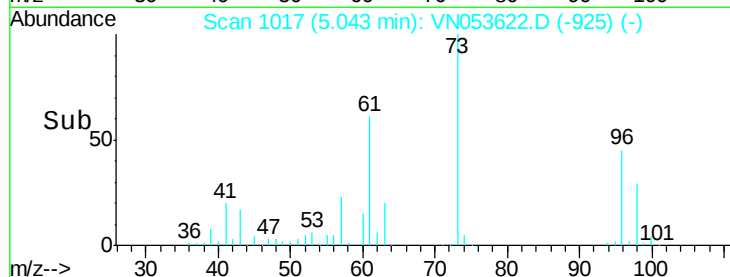
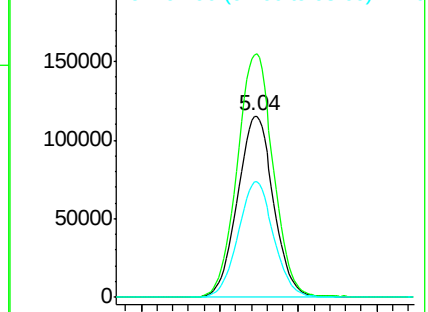


Abundance

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: 54.839 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion: 45 Resp: 1097423

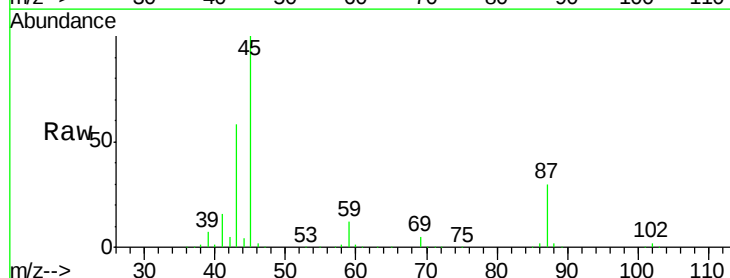
Ion Ratio Lower Upper

45 100

43 57.0 44.2 66.4

87 29.3 22.7 34.1

59 12.1 9.4 14.2



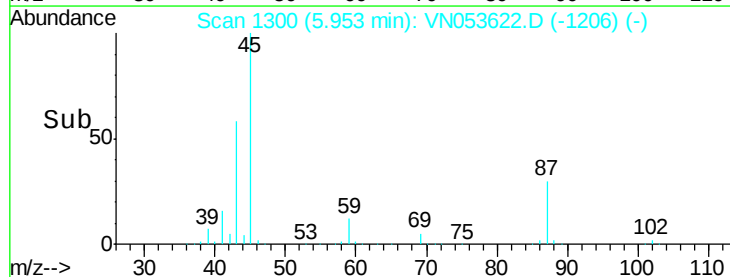
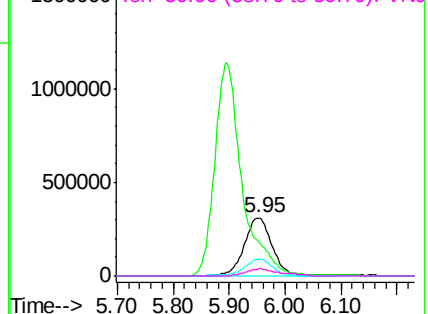
Abundance

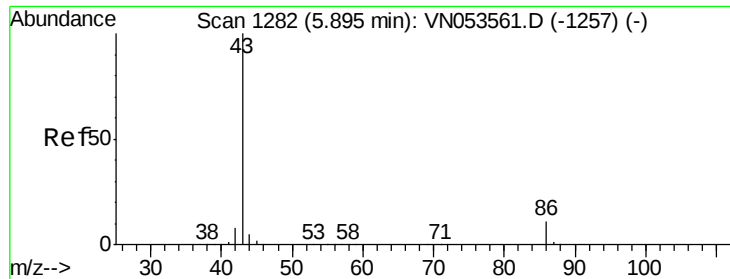
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

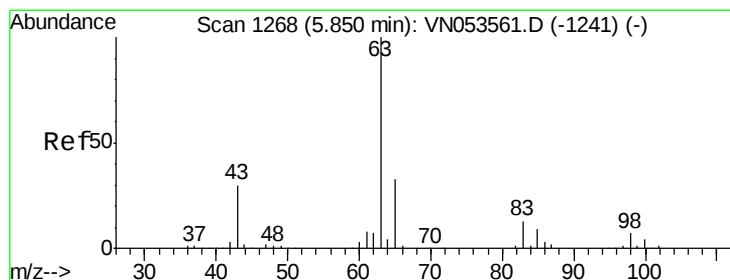
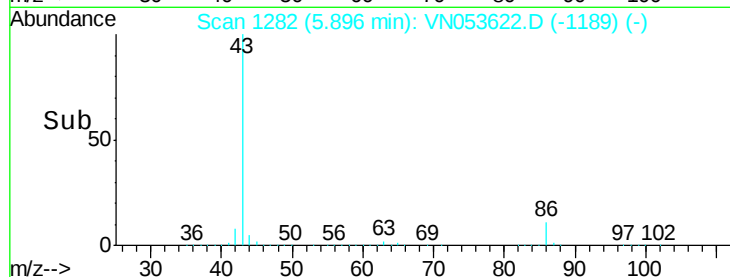
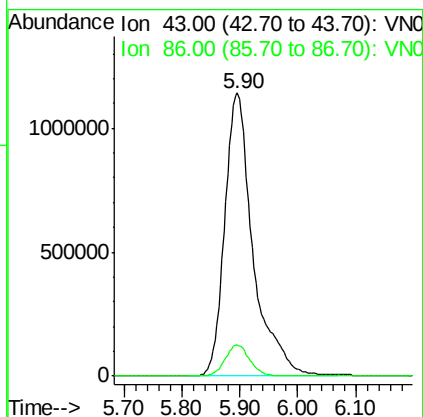
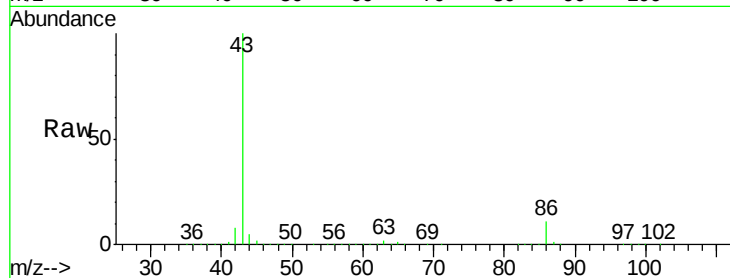




#23
 Vinyl Acetate
 Concen: 279.757 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

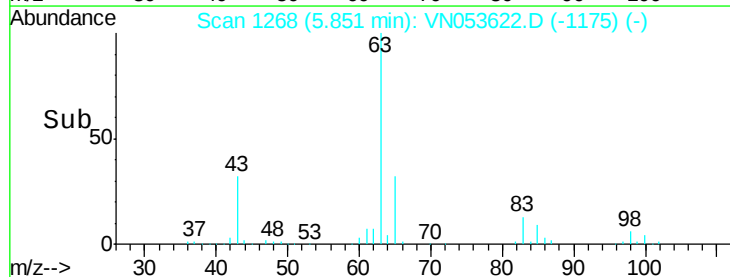
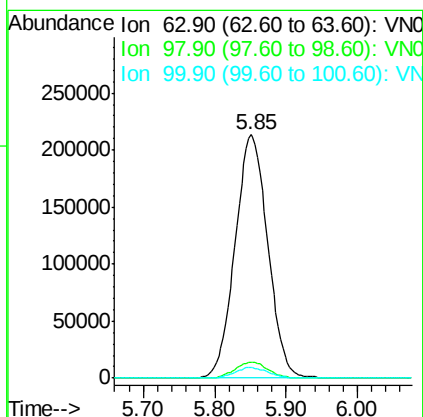
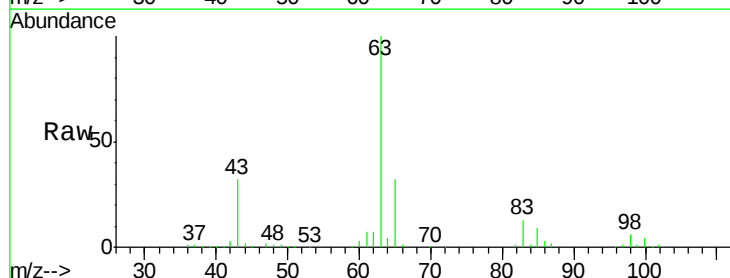
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

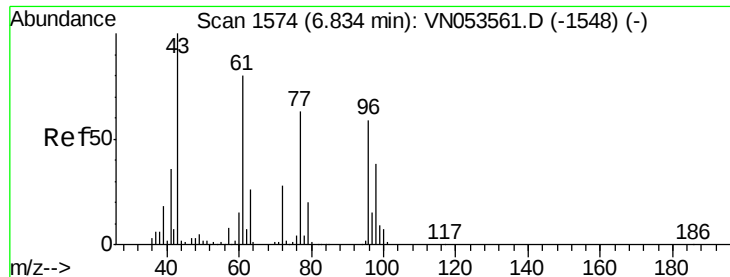
Tot Ion: 43 Resp: 3872921
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 50.984 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion: 63 Resp: 680517
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.4 2.1 6.5

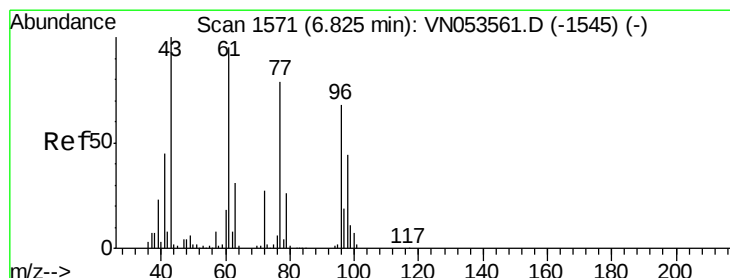
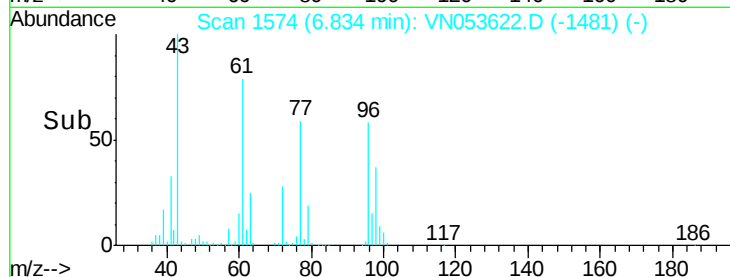
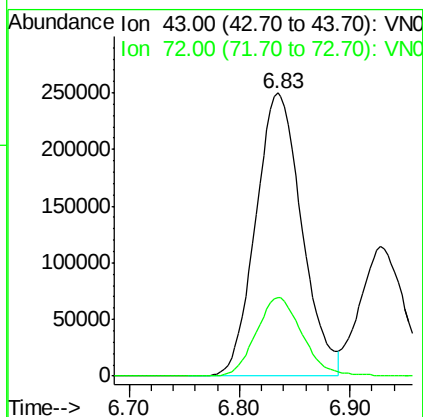
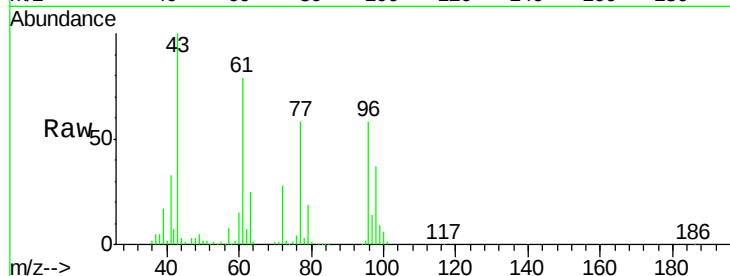




#25
 2-Butanone
 Concen: 268.307 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

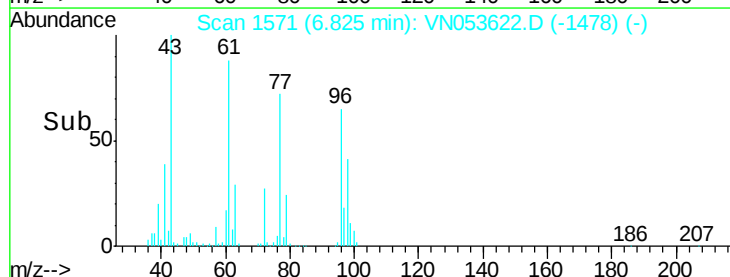
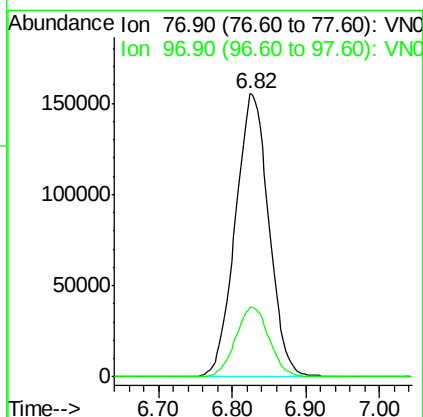
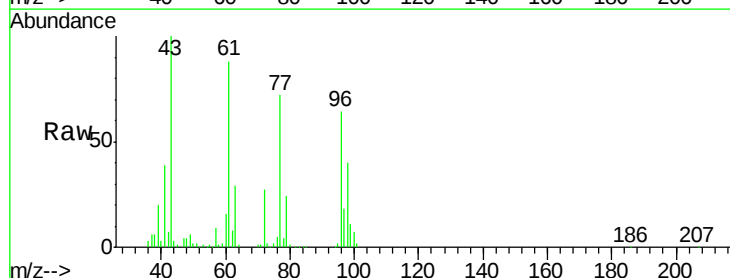
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

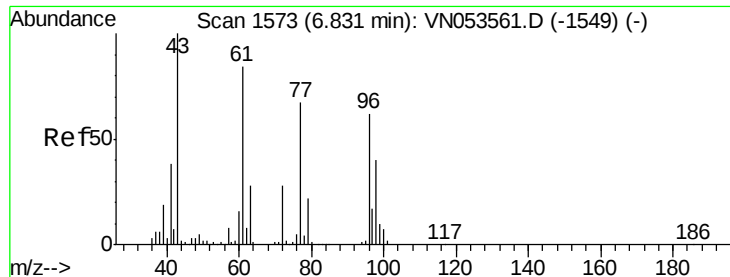
Tot Ion: 43 Resp: 721276
 Ion Ratio Lower Upper
 43 100
 72 27.9 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 48.224 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion: 77 Resp: 491361
 Ion Ratio Lower Upper
 77 100
 97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.500 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

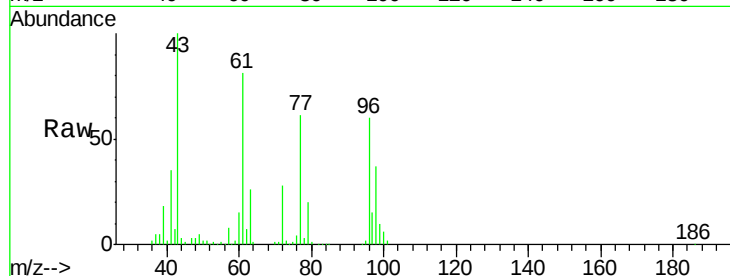
Tot Ion: 96 Resp: 427212

Ion Ratio Lower Upper

96 100

61 138.3 0.0 283.8

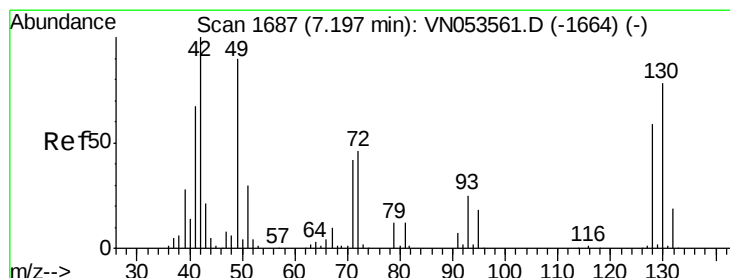
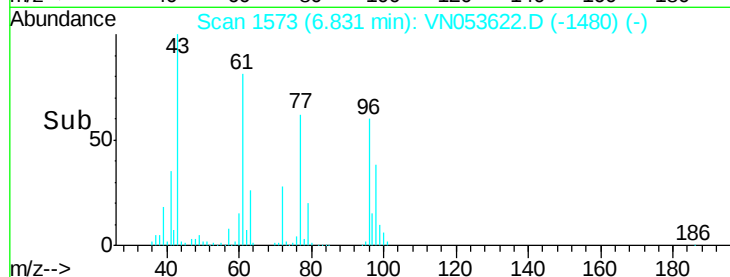
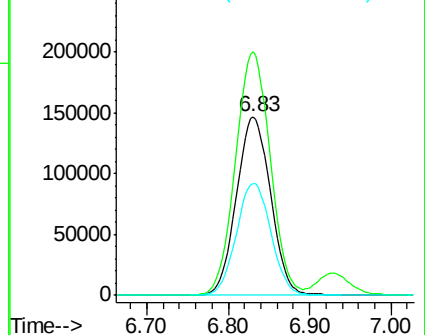
98 63.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053622.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053622.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053622.D (-1480) (-)



#28

Bromochloromethane

Concen: 50.944 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

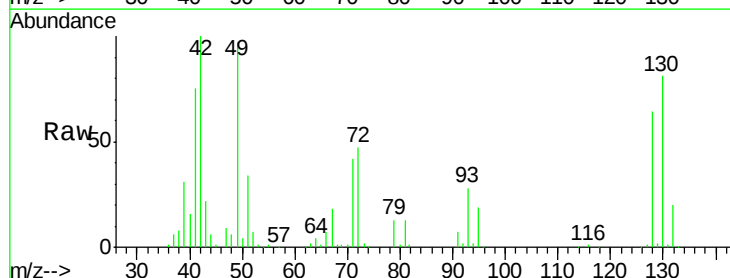
Tgt Ion: 49 Resp: 295085

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

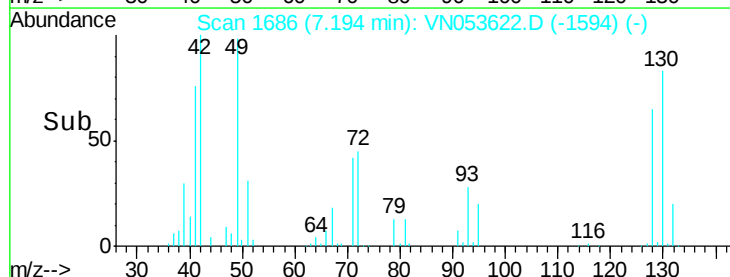
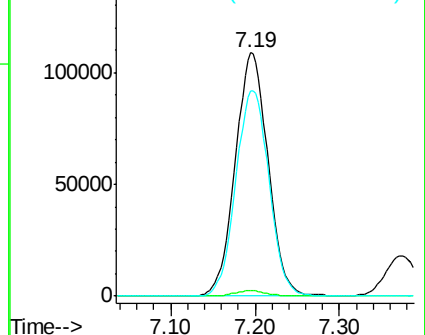
130 85.6 66.3 99.5

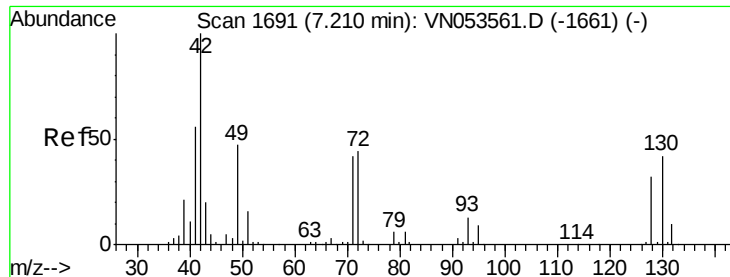


Abundance Ion 48.90 (48.60 to 49.60): VN053622.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053622.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053622.D (-1594) (-)





#29

Tetrahydrofuran

Concen: 284.078 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

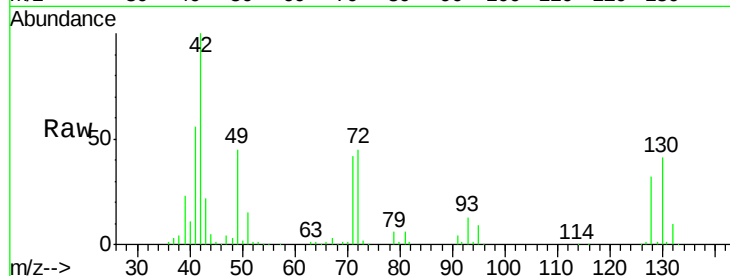
Tot Ion: 42 Resp: 490377

Ion Ratio Lower Upper

42 100

72 45.3 35.2 52.8

71 41.6 33.0 49.4

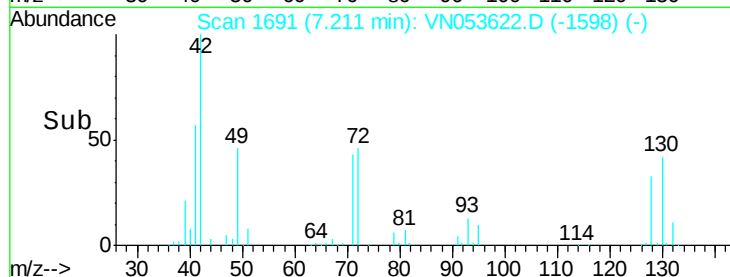


Abundance Ion 42.00 (41.70 to 42.70): VN053561.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN053561.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN053561.D (-1661) (-)

Time-->

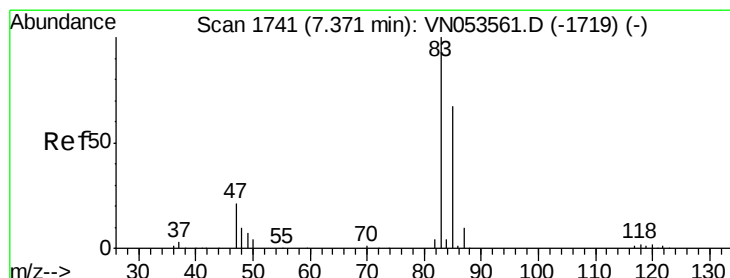


Abundance Ion 42.00 (41.70 to 42.70): VN053622.D (-1598) (-)

Ion 72.00 (71.70 to 72.70): VN053622.D (-1598) (-)

Ion 71.00 (70.70 to 71.70): VN053622.D (-1598) (-)

Time-->



#30

Chloroform

Concen: 50.702 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053622.D

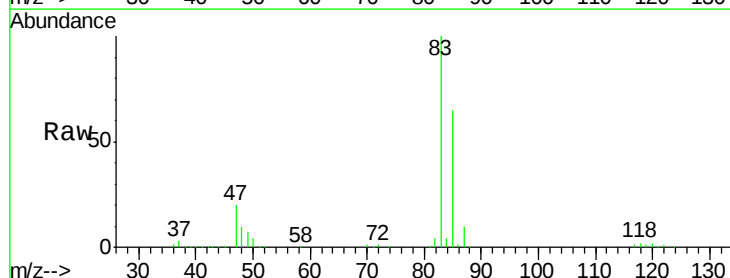
Acq: 5 Feb 2019 16:16

Tgt Ion: 83 Resp: 670858

Ion Ratio Lower Upper

83 100

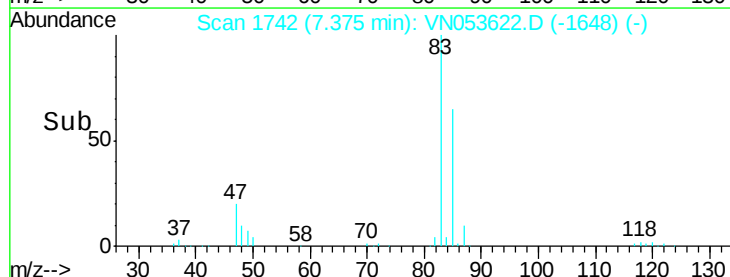
85 64.8 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-1719) (-)

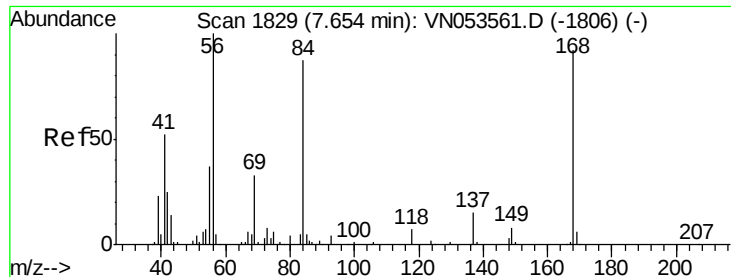
Time-->



Abundance Ion 82.90 (82.60 to 83.60): VN053622.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN053622.D (-1648) (-)

Time-->



#31

Cyclohexane

Concen: 49.023 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

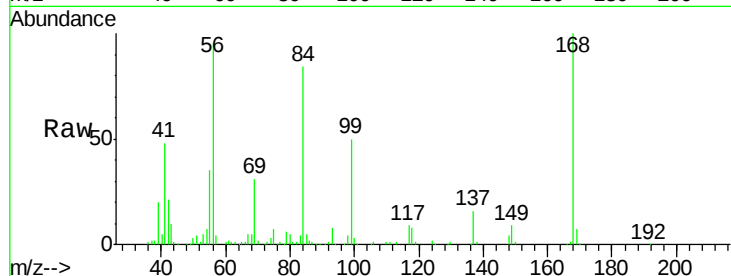
Tot Ion: 56 Resp: 609264

Ion Ratio Lower Upper

56 100

69 32.8 26.4 39.6

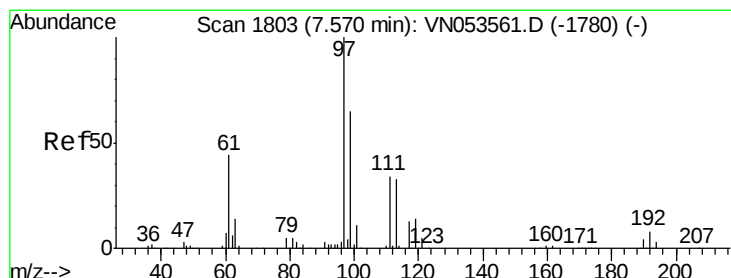
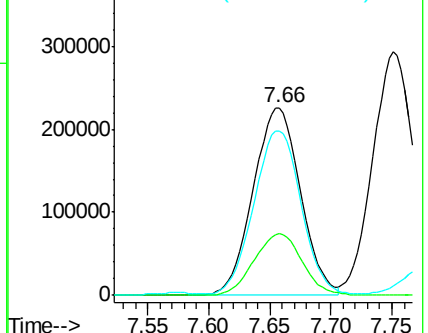
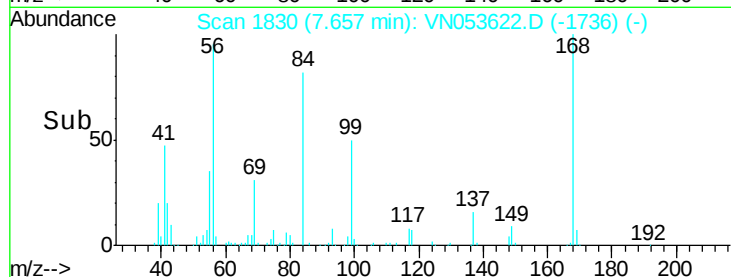
84 86.7 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN053622.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053622.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053622.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 51.465 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

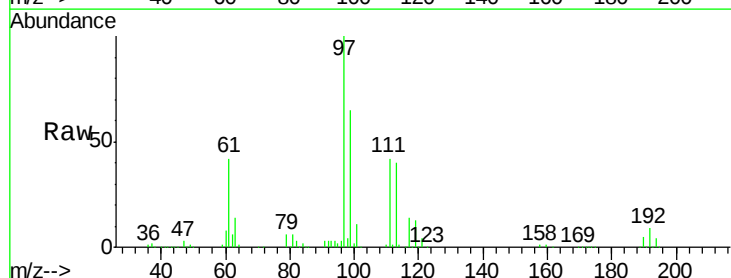
Tgt Ion: 97 Resp: 566701

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

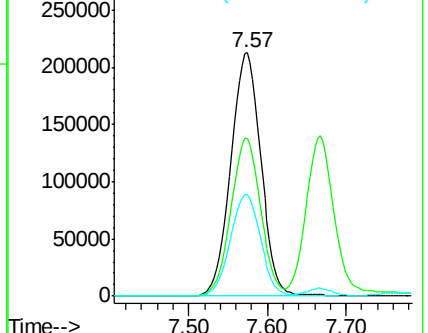
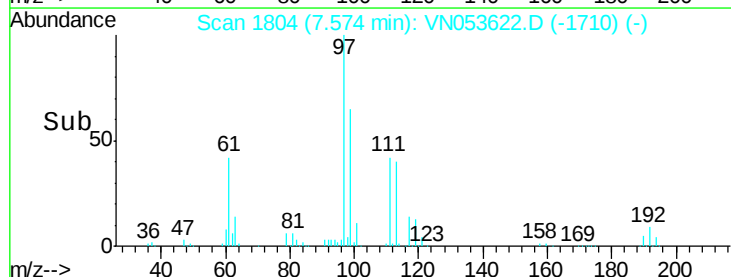
61 41.9 34.4 51.6

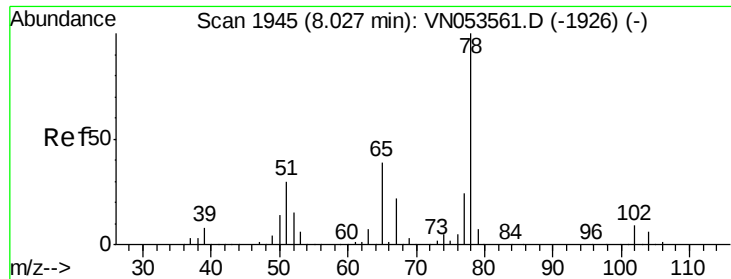


Abundance Ion 96.90 (96.60 to 97.60): VN053622.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053622.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053622.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.465 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

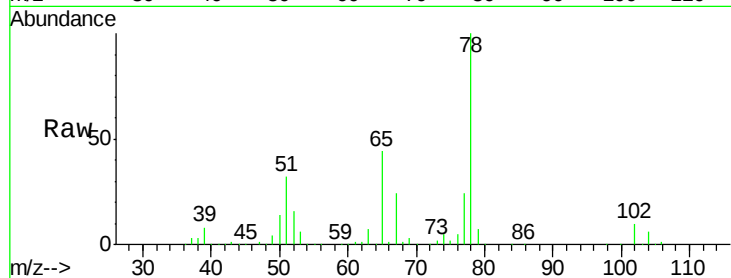
VSTDCCC050EC

Tot Ion: 65 Resp: 394130

Ion Ratio Lower Upper

65 100

67 55.7 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053622.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053622.D (-1852) (-)

8.03

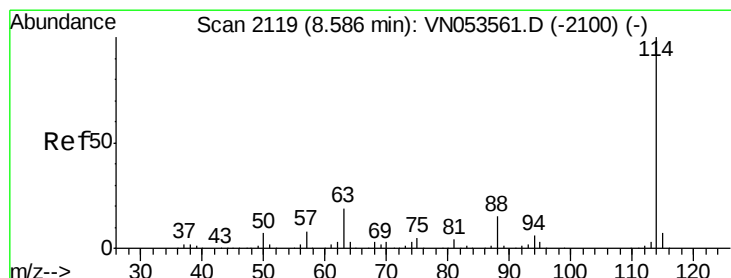
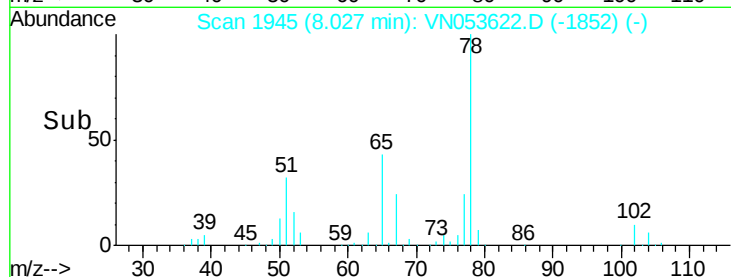
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

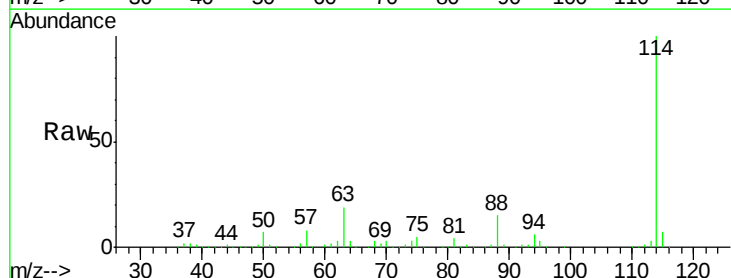
Tgt Ion: 114 Resp: 1135978

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

88 15.0 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053622.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053622.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053622.D (-2026) (-)

8.59

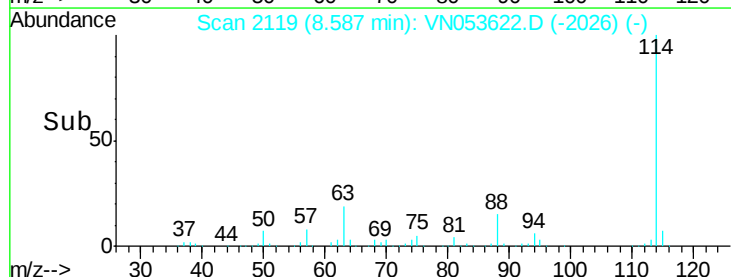
600000

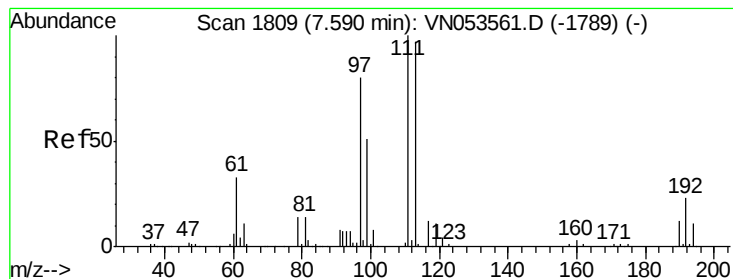
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

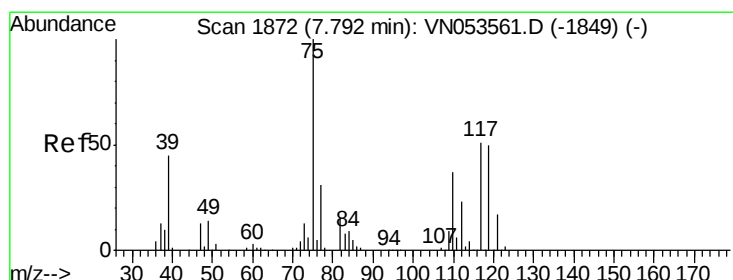
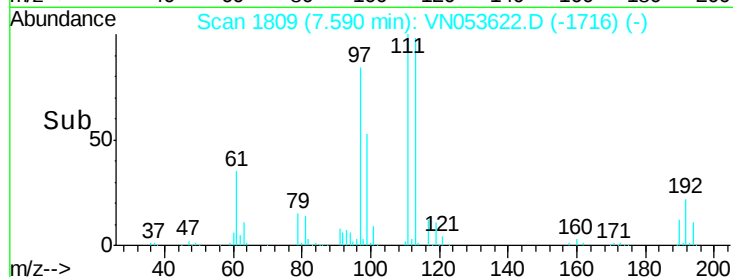
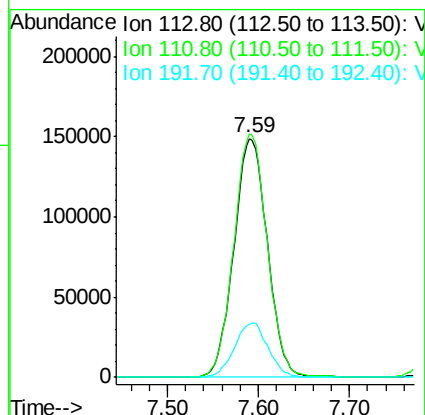
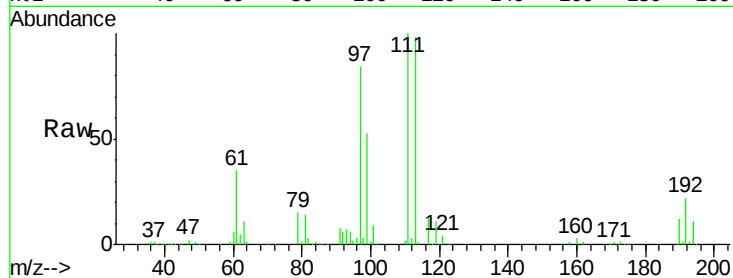
Tot Ion:113 Resp: 381028

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

192 22.9 18.2 27.2



#36

1,1-Dichloropropene

Concen: 50.274 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

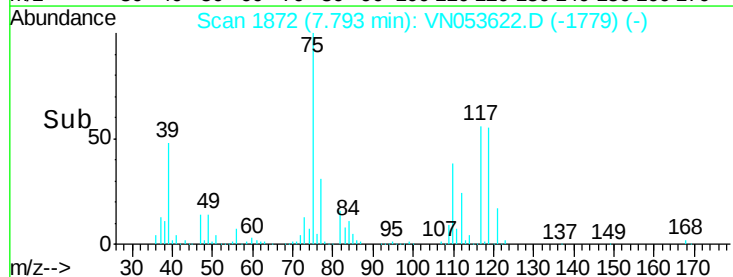
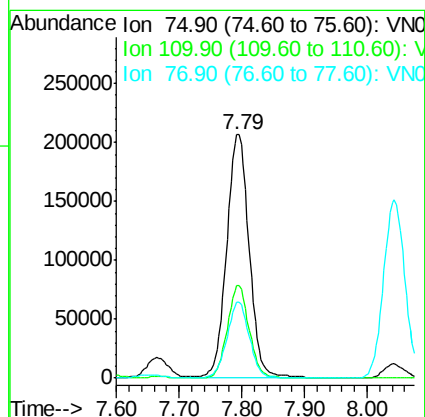
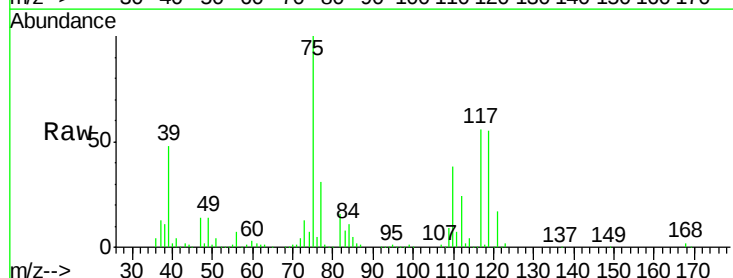
Tgt Ion: 75 Resp: 514818

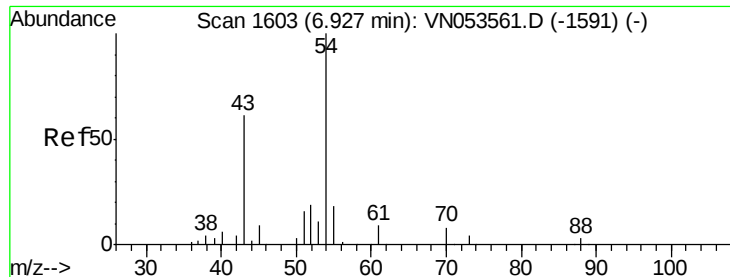
Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.3

77 30.7 25.1 37.7

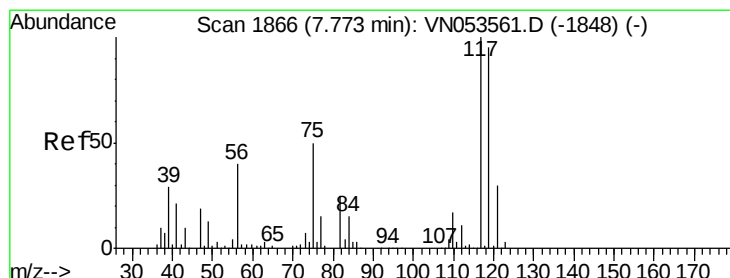
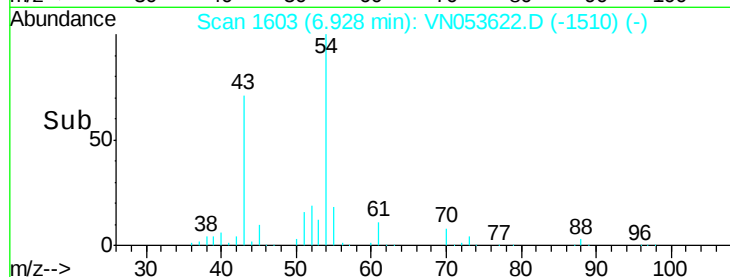
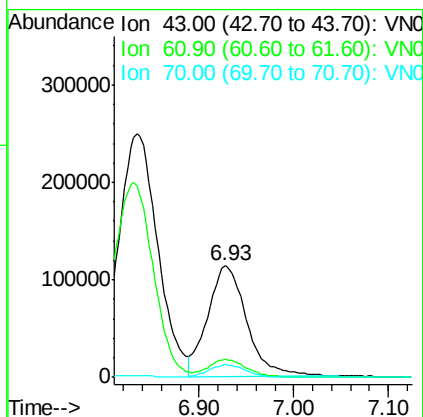
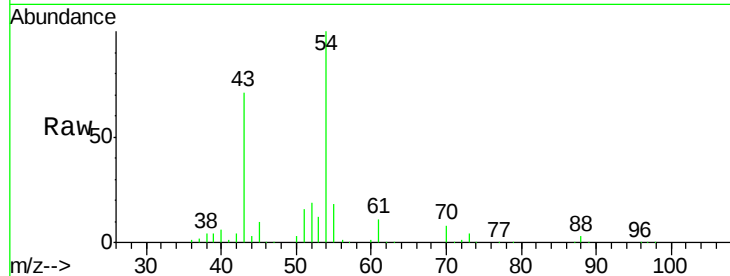




#37
Ethyl Acetate
Concen: 56.759 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

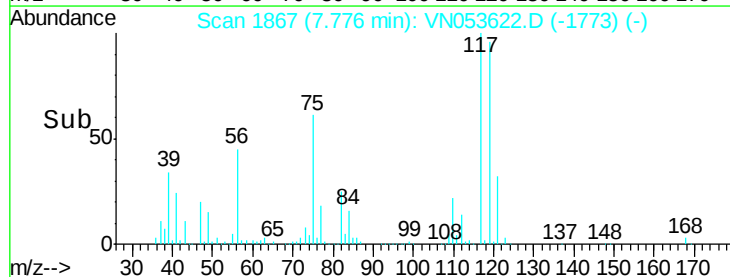
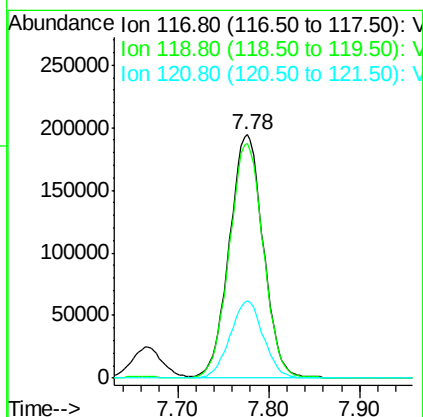
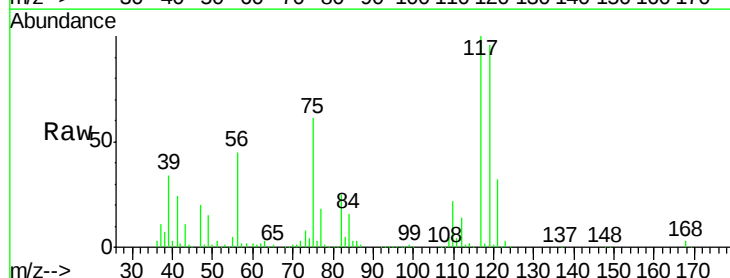
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

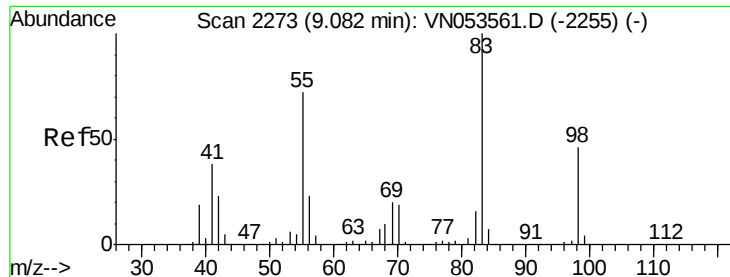
Tot Ion: 43 Resp: 324615
Ion Ratio Lower Upper
43 100
61 15.7 11.8 17.6
70 10.5 8.6 12.8



#38
Carbon Tetrachloride
Concen: 48.417 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 117 Resp: 499457
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8
121 31.9 24.6 37.0

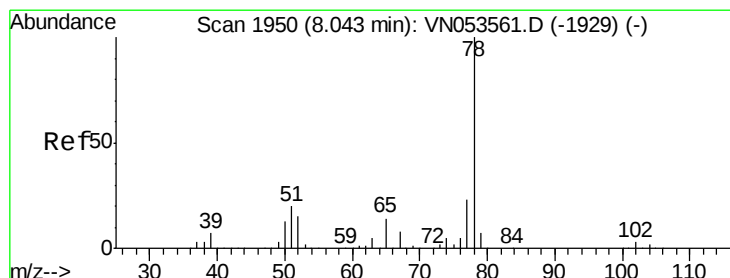
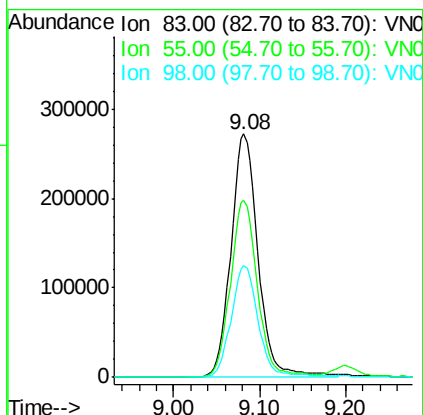
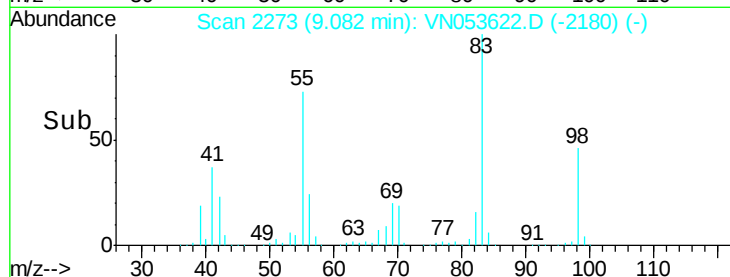
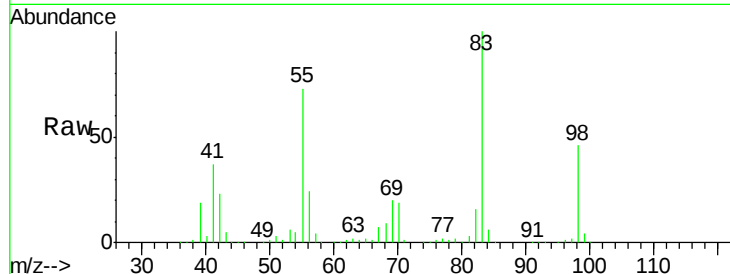




#39
Methvlcvclohexane
Concen: 49.076 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

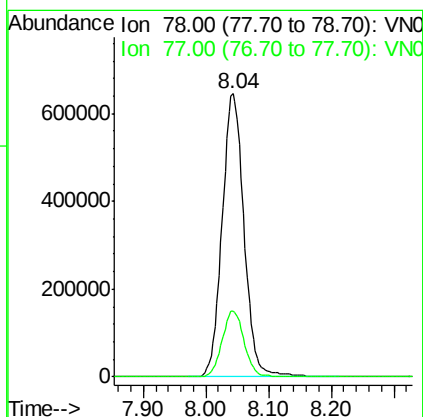
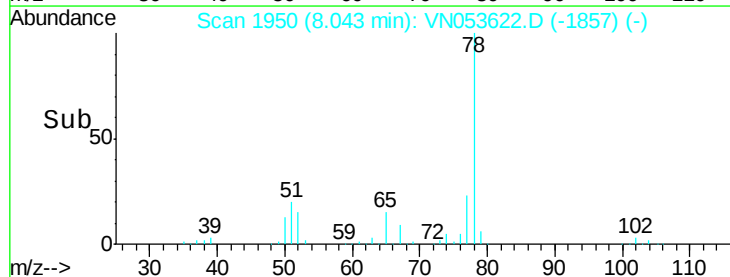
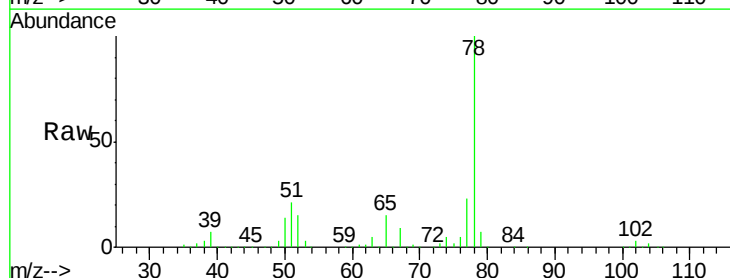
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

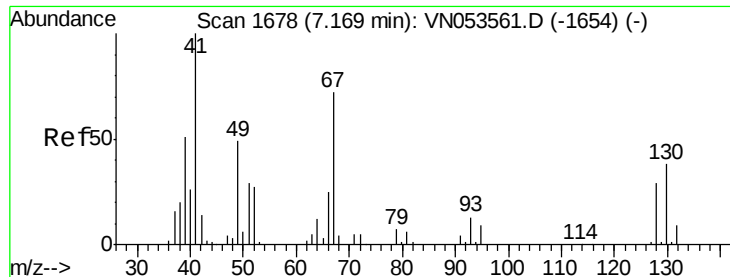
Tot Ion: 83 Resp: 596217
Ion Ratio Lower Upper
83 100
55 72.8 60.1 90.1
98 45.9 36.6 55.0



#40
Benzene
Concen: 49.485 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 78 Resp: 1562633
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

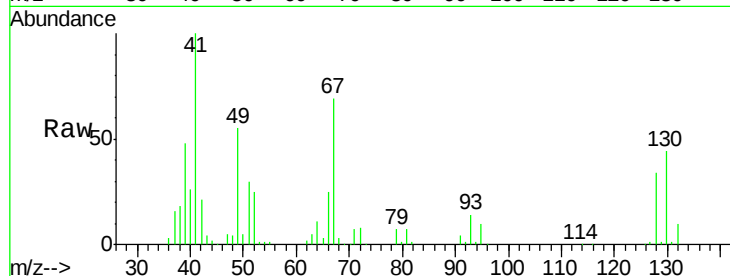




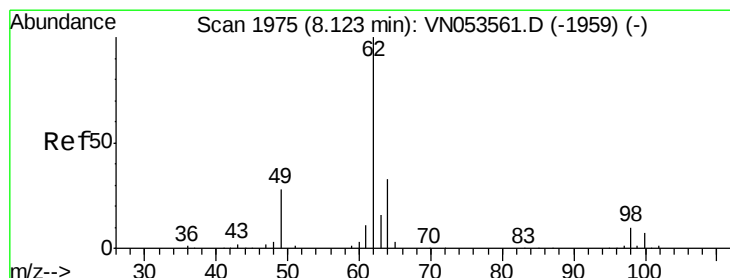
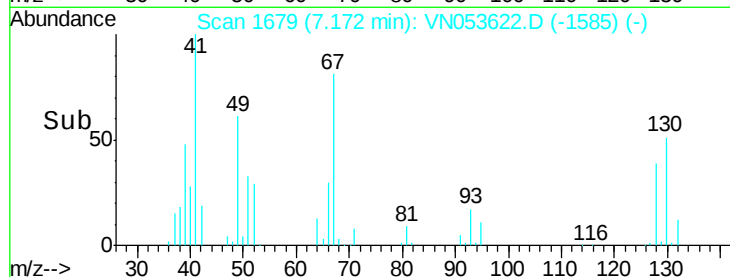
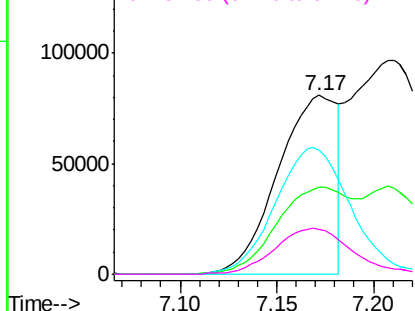
#41
Methacrylonitrile
Concen: 53.956 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 172466
Ion Ratio Lower Upper
41 100
39 61.3 46.8 70.2
67 90.9 63.0 94.6
52 33.3 23.8 35.8

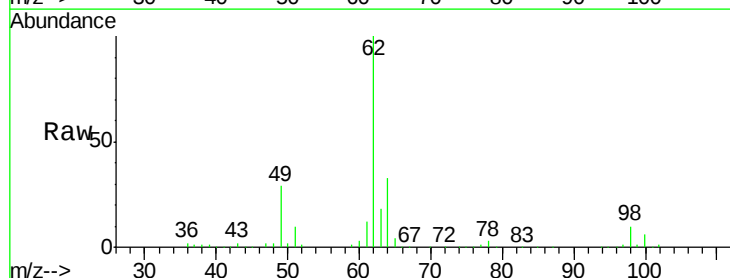


Abundance Ion 41.00 (40.70 to 41.70): VNC
150000 Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

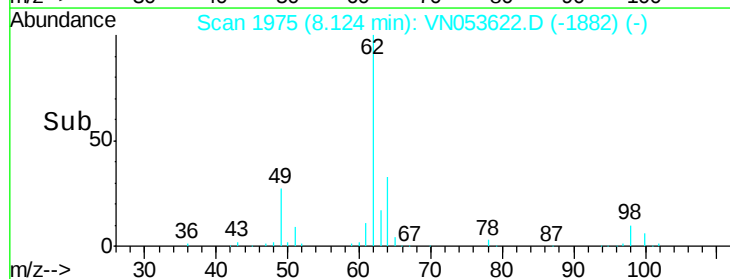
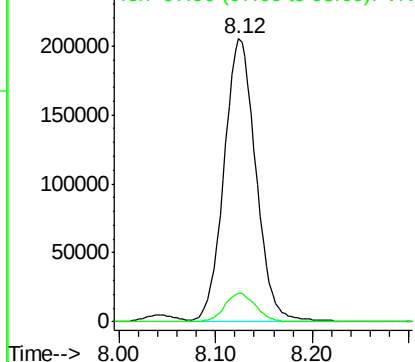


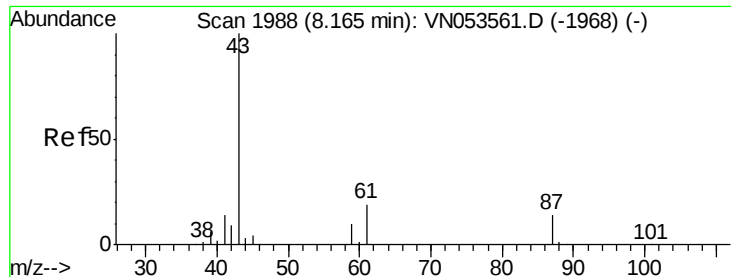
#42
1,2-Dichloroethane
Concen: 49.738 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 62 Resp: 466348
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
200000 Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 53.290 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

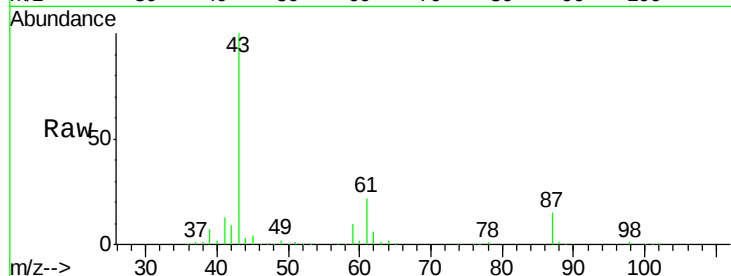
Tot Ion: 43 Resp: 588579

Ion Ratio Lower Upper

43 100

61 28.7 23.9 35.9

87 13.5 11.0 16.6

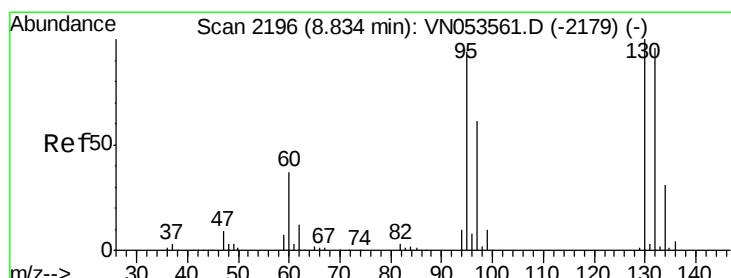
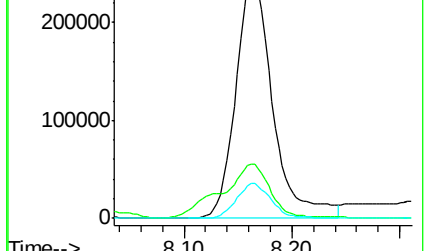
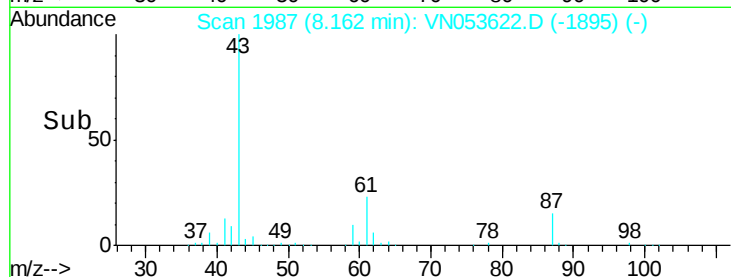


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 48.128 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053622.D

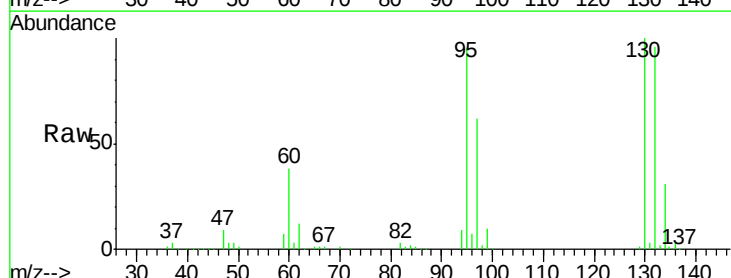
Acq: 5 Feb 2019 16:16

Tgt Ion:130 Resp: 432672

Ion Ratio Lower Upper

130 100

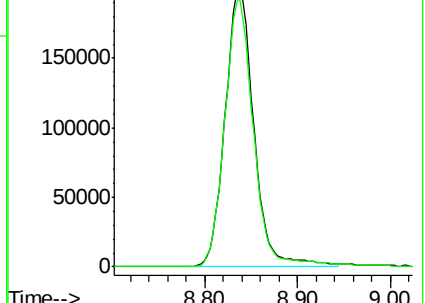
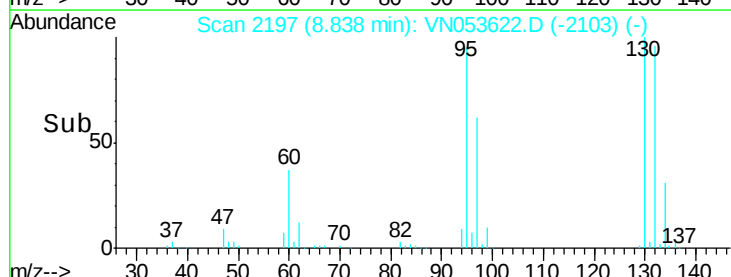
95 94.6 0.0 191.4

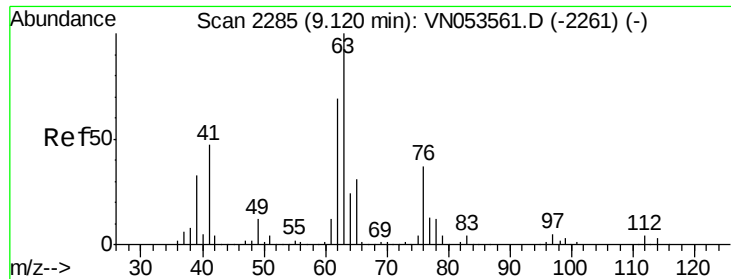


Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.498 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

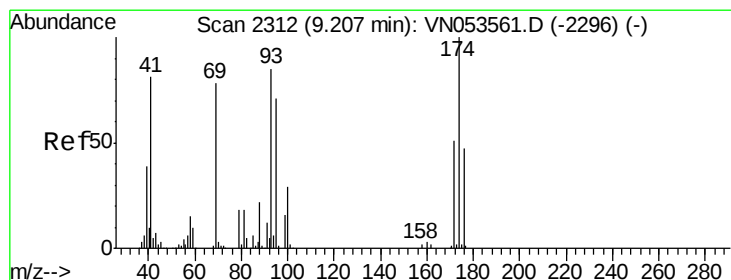
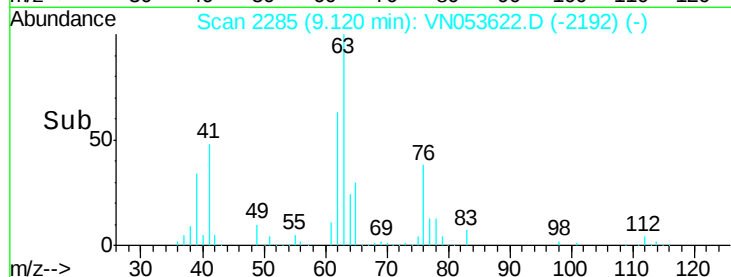
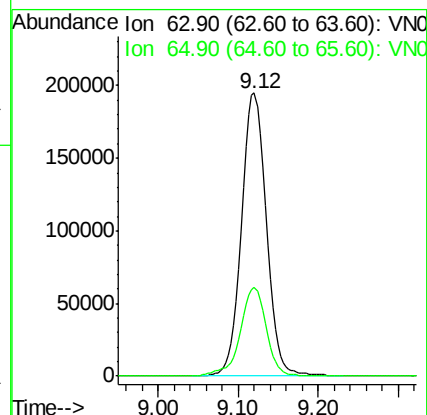
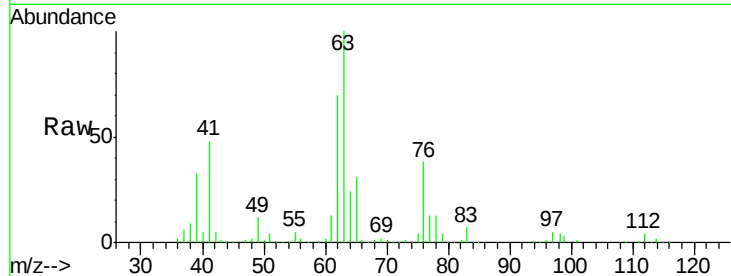
VSTDCCC050EC

Tot Ion: 63 Resp: 407866

Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.4



#46

Dibromomethane

Concen: 49.917 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

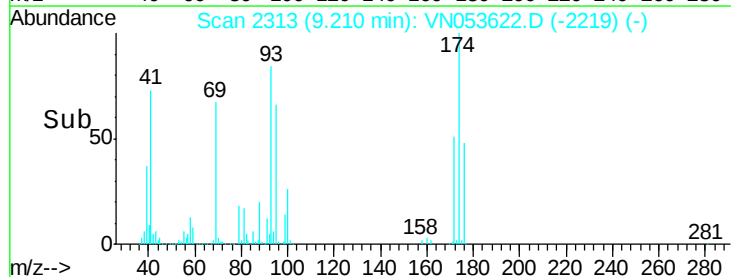
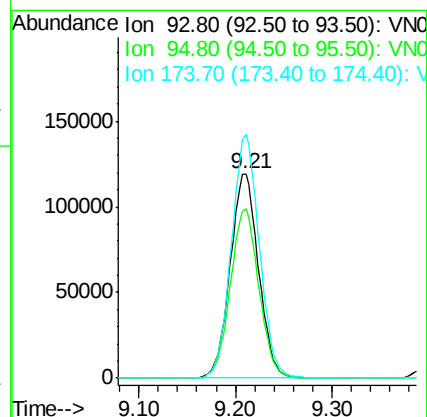
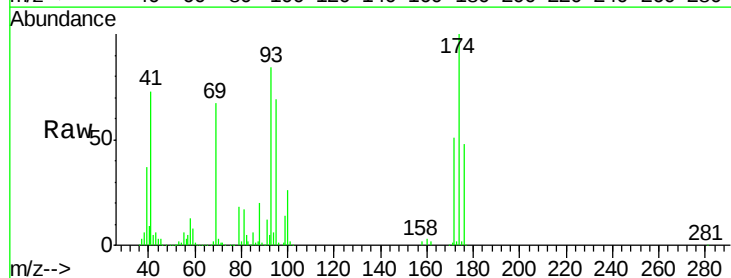
Tgt Ion: 93 Resp: 243039

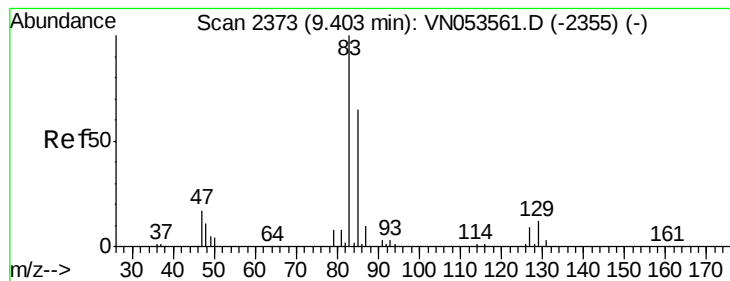
Ion Ratio Lower Upper

93 100

95 82.9 67.3 100.9

174 117.2 91.0 136.4





#47

Bromodichloromethane

Concen: 50.568 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

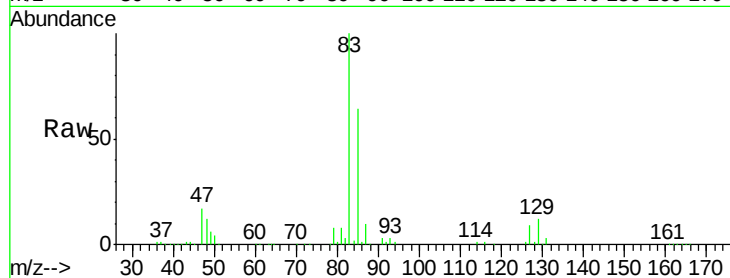
Tot Ion: 83 Resp: 511910

Ion Ratio Lower Upper

83 100

85 64.2 51.0 76.6

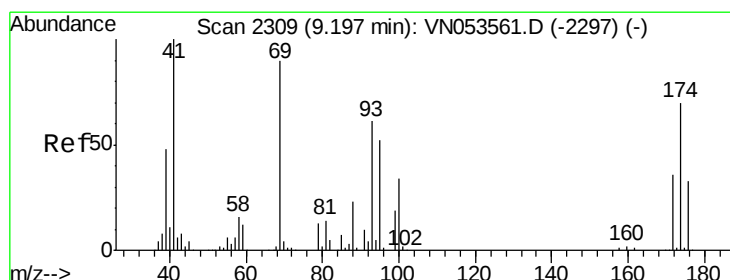
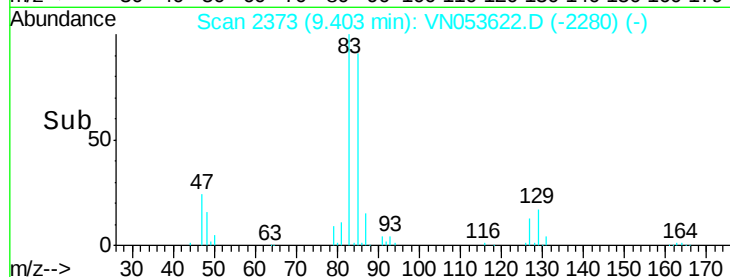
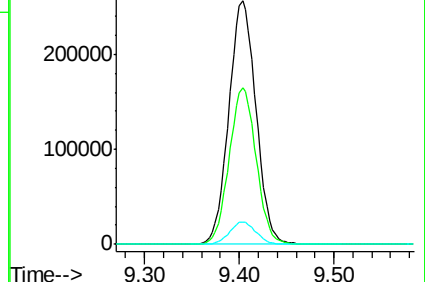
127 9.4 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053622.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053622.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053622.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.733 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

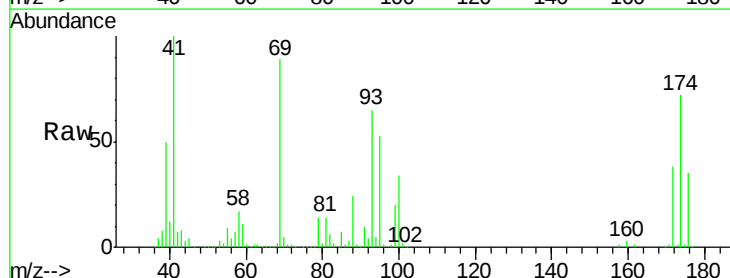
Tgt Ion: 41 Resp: 278017

Ion Ratio Lower Upper

41 100

69 97.6 73.8 110.6

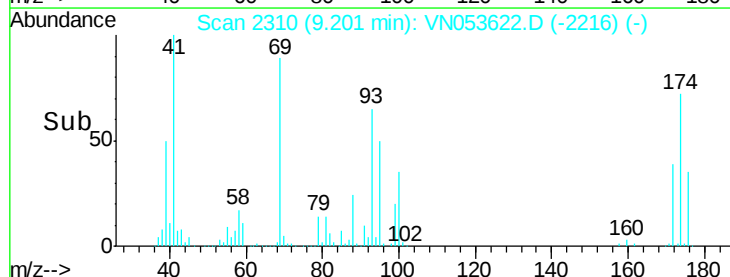
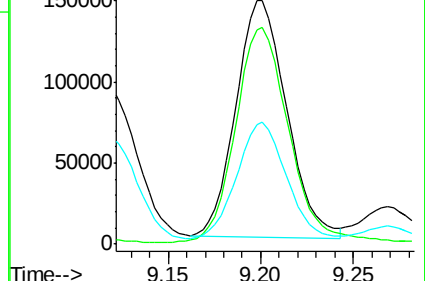
39 52.7 40.0 60.0

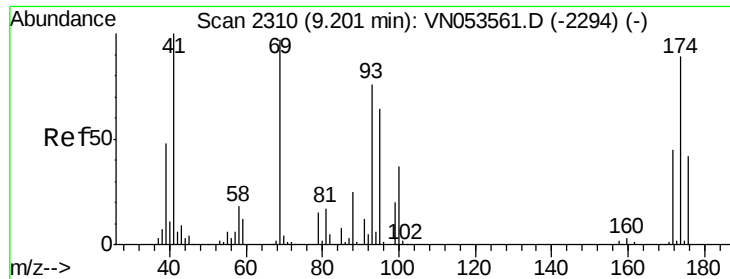


Abundance Ion 41.00 (40.70 to 41.70): VN053622.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053622.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053622.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1039.367 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

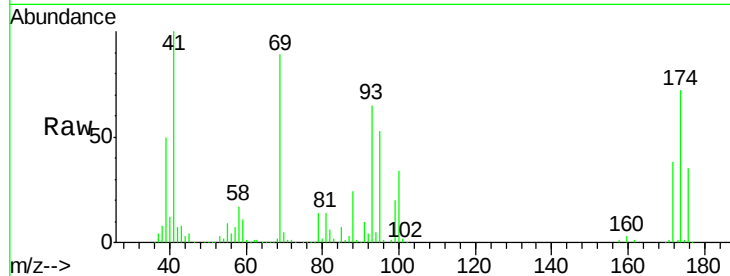
Tot Ion: 88 Resp: 79524

Ion Ratio Lower Upper

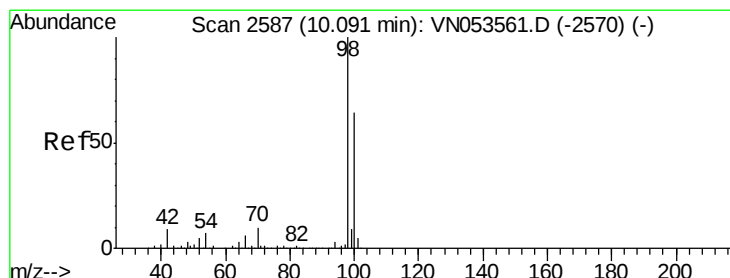
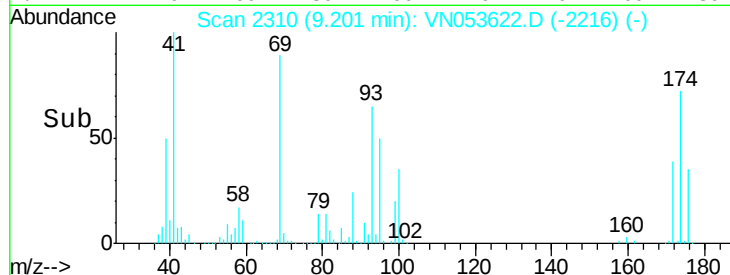
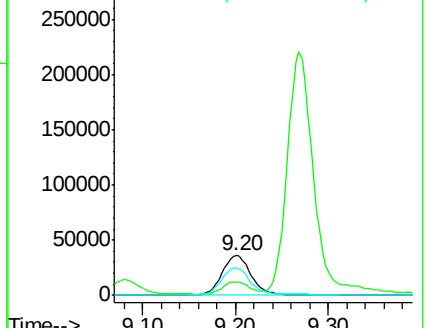
88 100

43 29.3 27.8 41.6

58 67.9 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 1039.367 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053622.D

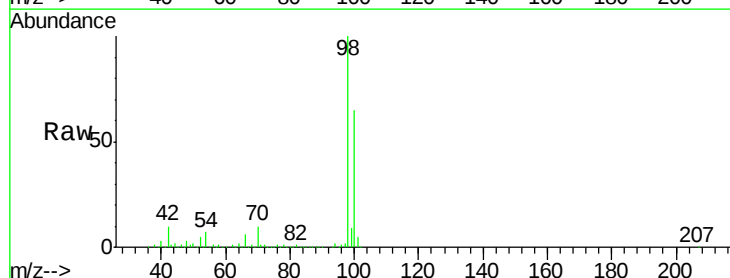
Acq: 5 Feb 2019 16:16

Tgt Ion: 98 Resp: 1404569

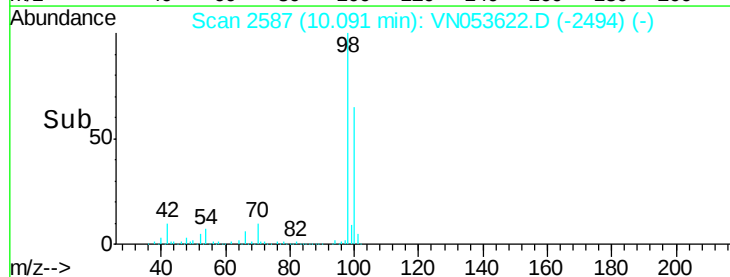
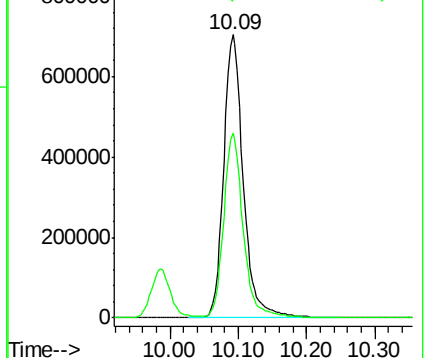
Ion Ratio Lower Upper

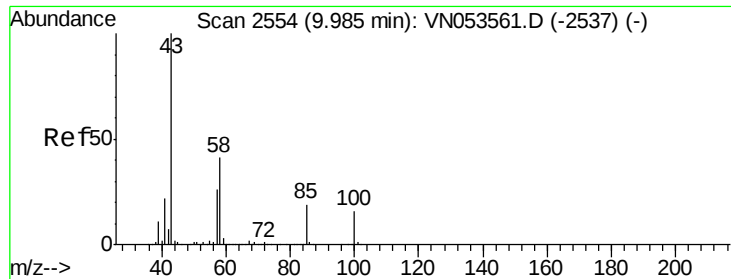
98 100

100 65.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 278.125 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

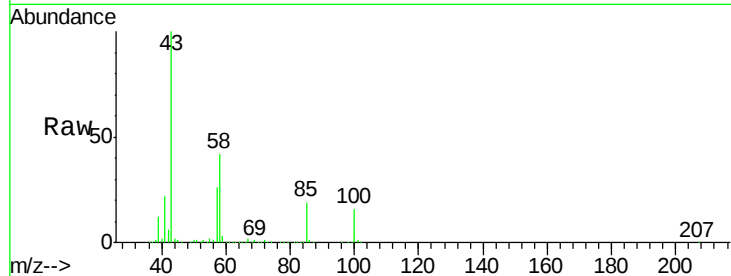
VSTDCCC050EC

Tot Ion: 43 Resp: 1509523

Ion Ratio Lower Upper

43 100

58 41.1 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

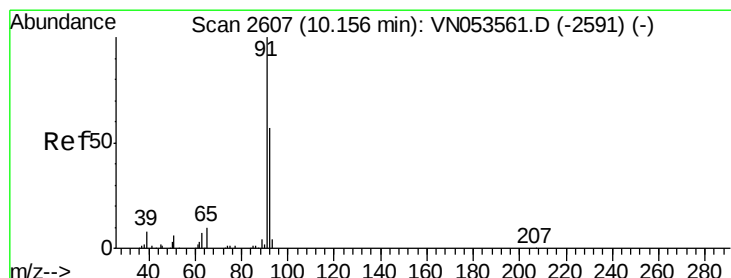
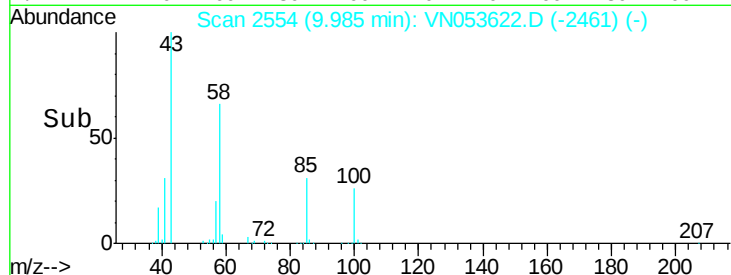
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 50.723 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053622.D

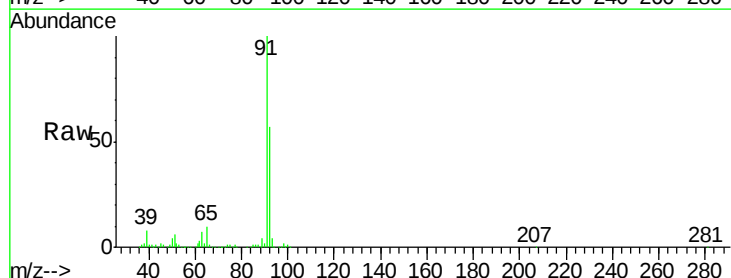
Acq: 5 Feb 2019 16:16

Tgt Ion: 92 Resp: 950611

Ion Ratio Lower Upper

92 100

91 174.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000000

800000

600000

400000

200000

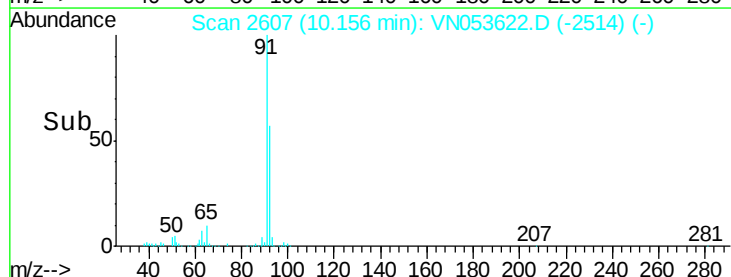
0

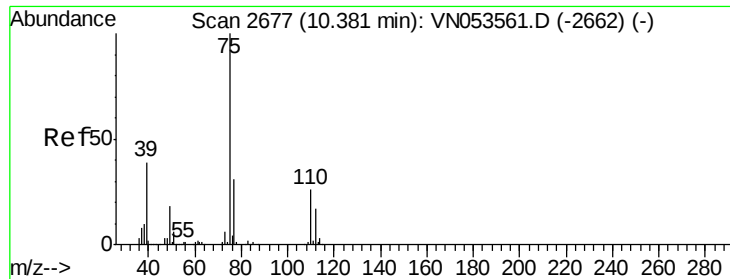
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.997 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

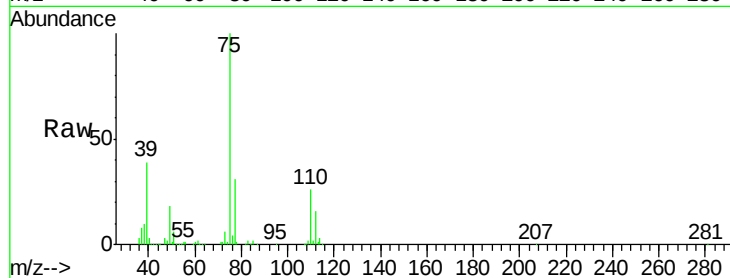
VSTDCCC050EC

Tot Ion: 75 Resp: 527092

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

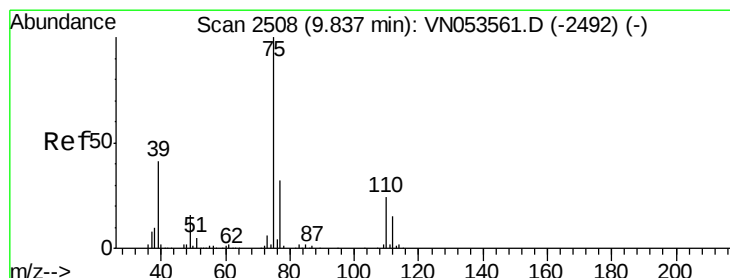
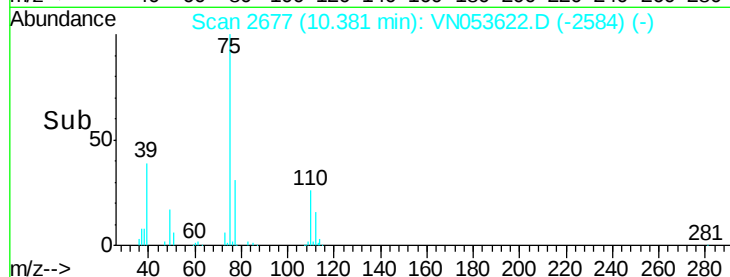
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.378 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

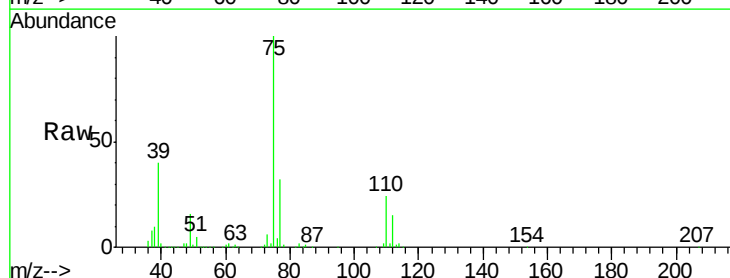
Tgt Ion: 75 Resp: 617158

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

39 39.9 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

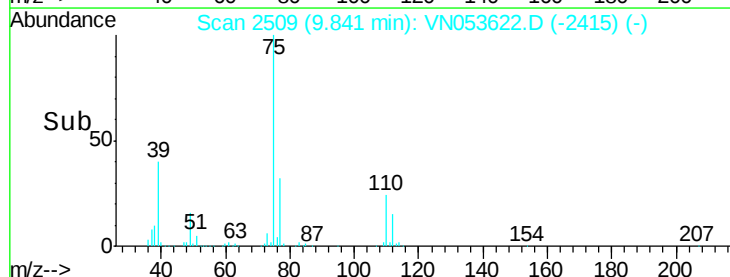
300000

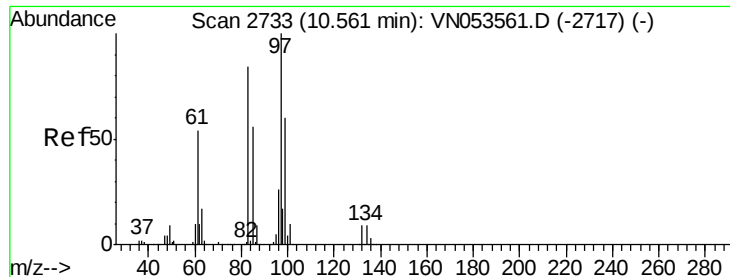
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.029 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 351364

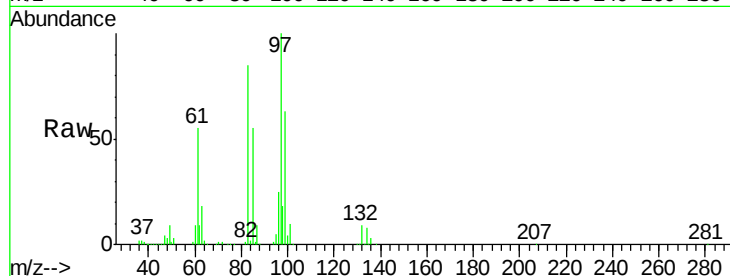
Ion Ratio Lower Upper

97 100

83 85.4 70.1 105.1

85 55.4 45.4 68.0

99 62.4 49.8 74.8

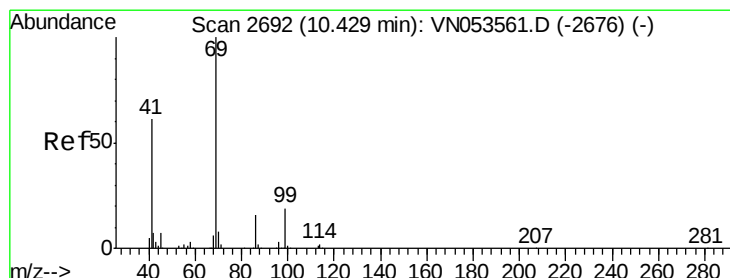
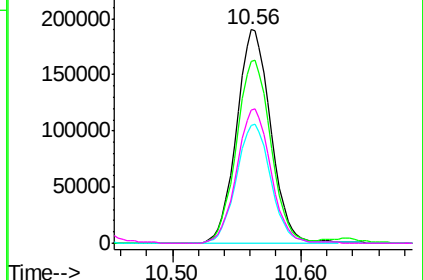
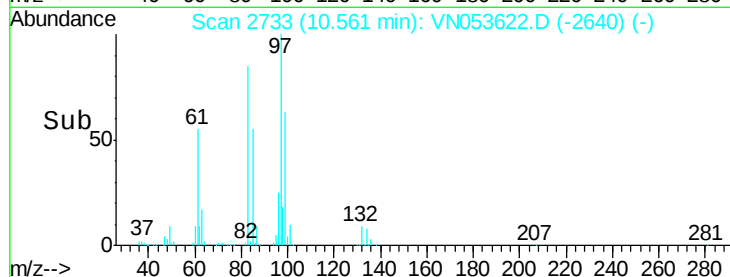


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 55.804 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

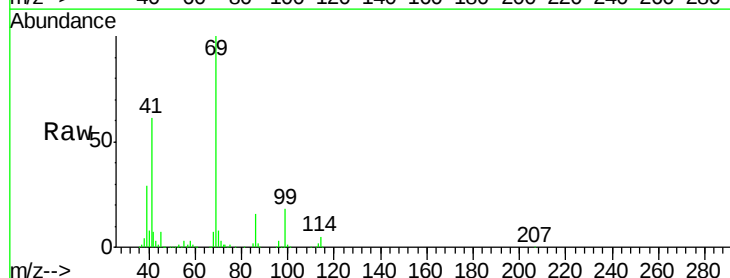
Tgt Ion: 69 Resp: 445826

Ion Ratio Lower Upper

69 100

41 60.3 49.4 74.0

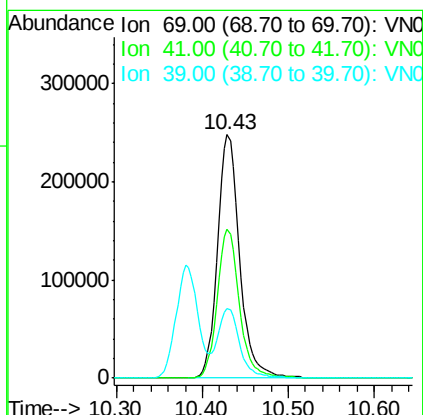
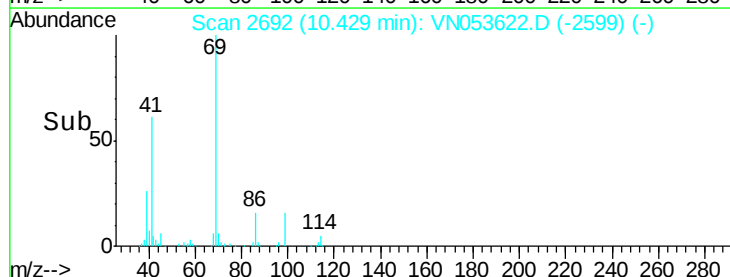
39 27.8 23.3 34.9

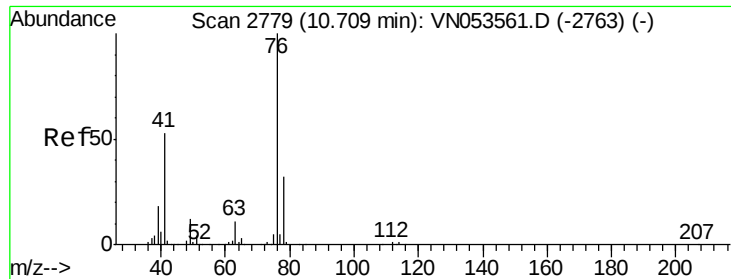


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.186 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

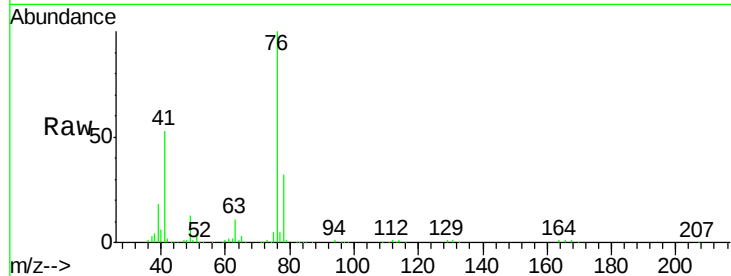
VSTDCCC050EC

Tot Ion: 76 Resp: 590777

Ion Ratio Lower Upper

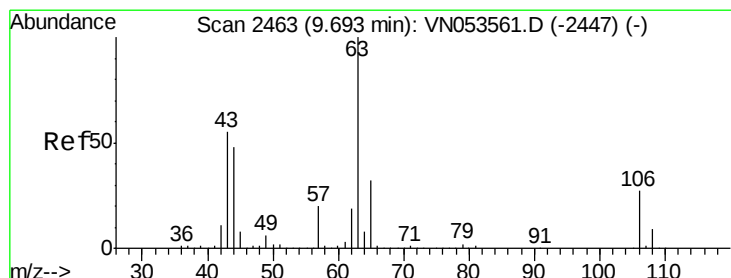
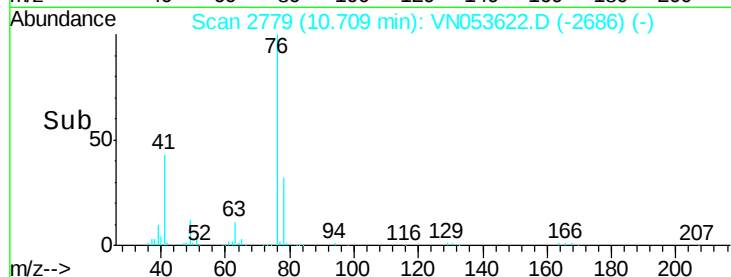
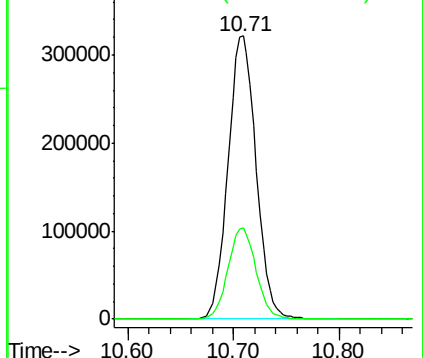
76 100

78 32.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 241.620 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053622.D

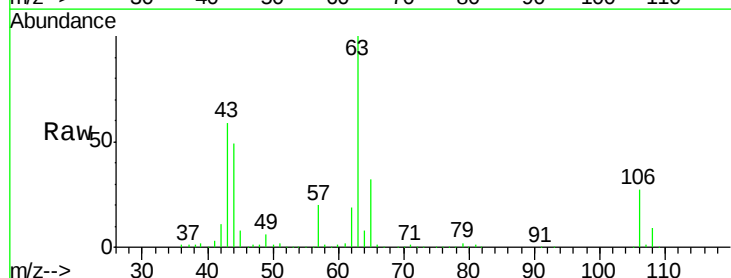
Acq: 5 Feb 2019 16:16

Tgt Ion: 63 Resp: 1195772

Ion Ratio Lower Upper

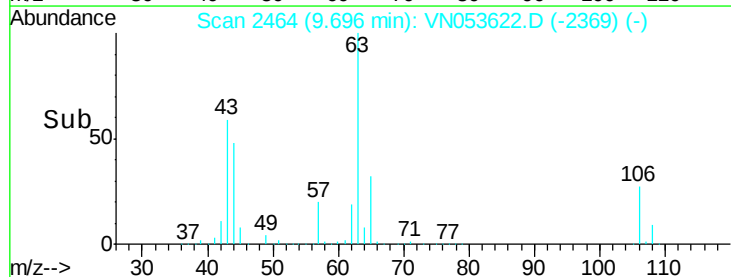
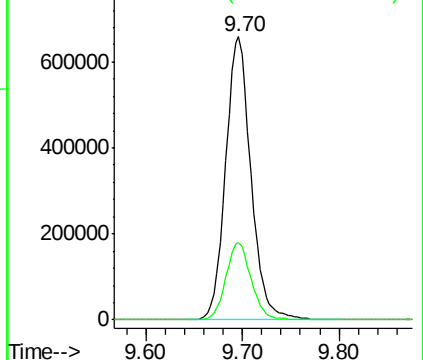
63 100

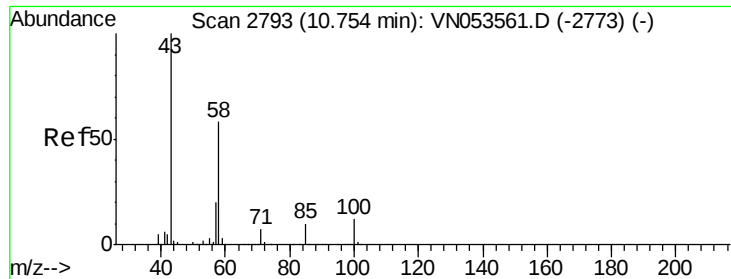
106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

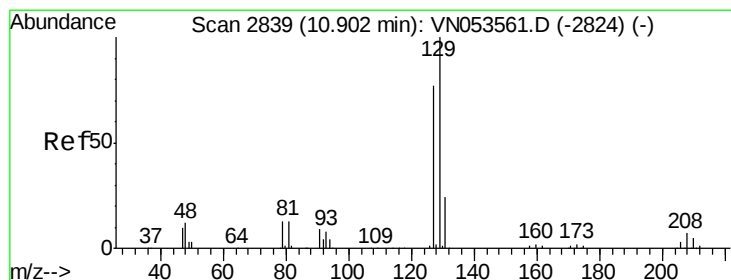
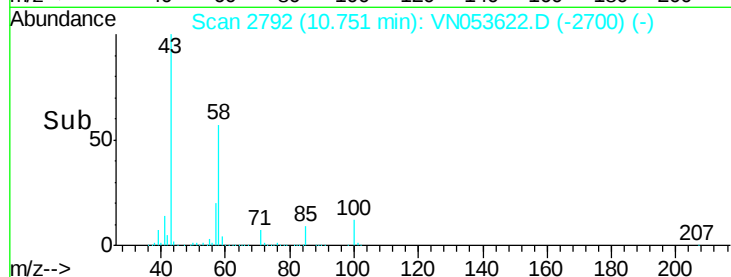
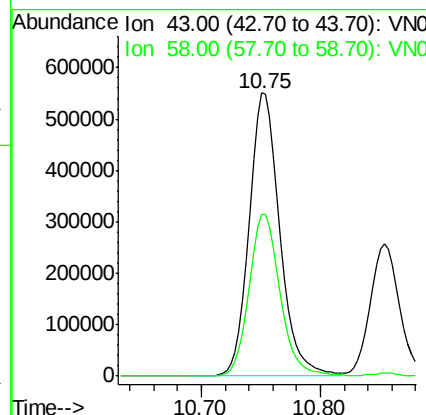
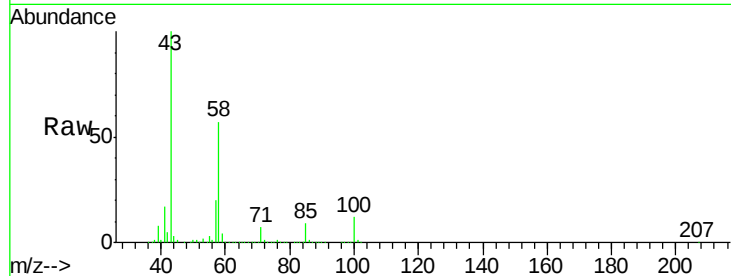




#59
2-Hexanone
Concen: 266.322 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

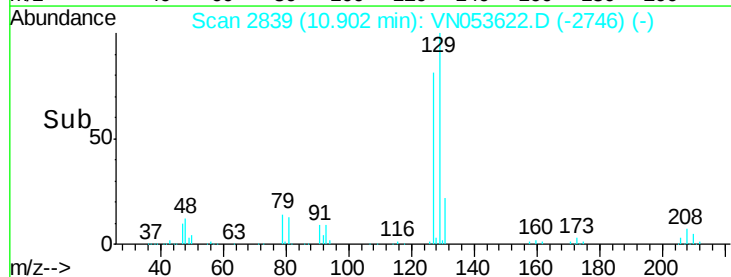
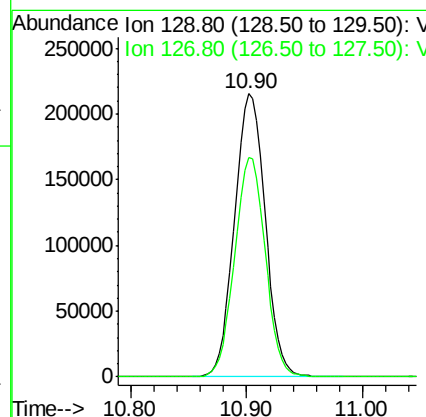
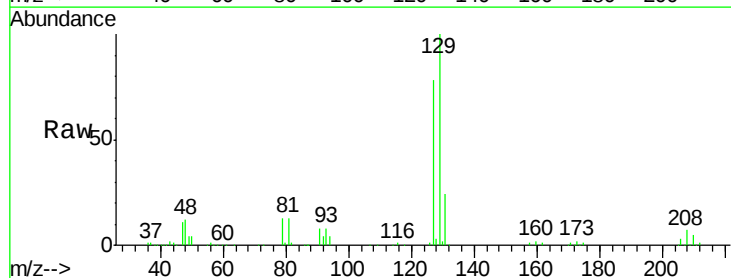
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

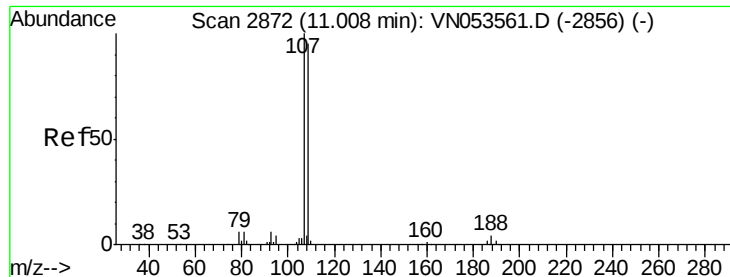
Tot Ion: 43 Resp: 981282
Ion Ratio Lower Upper
43 100
58 58.0 28.6 85.8



#60
Dibromochloromethane
Concen: 51.870 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 129 Resp: 395016
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.530 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

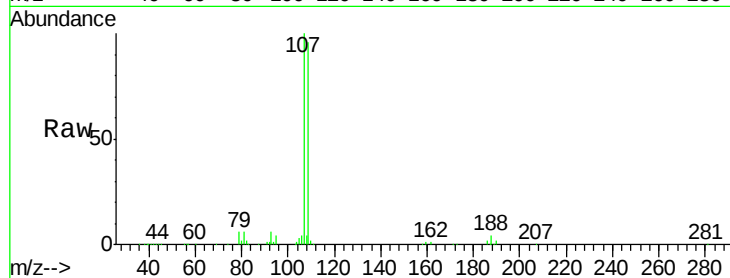
VSTDCCC050EC

Tot Ion:107 Resp: 337754

Ion Ratio Lower Upper

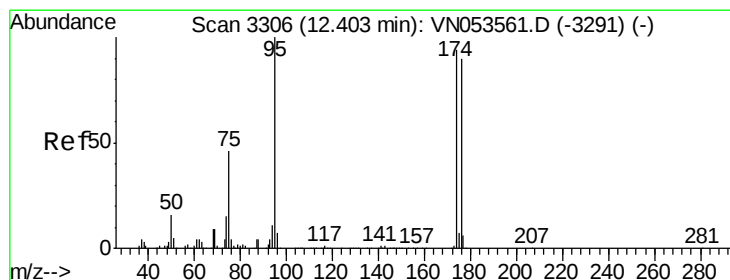
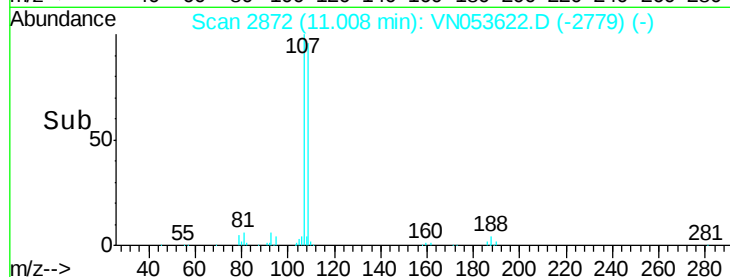
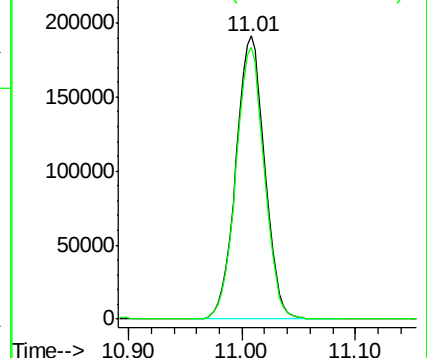
107 100

109 95.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

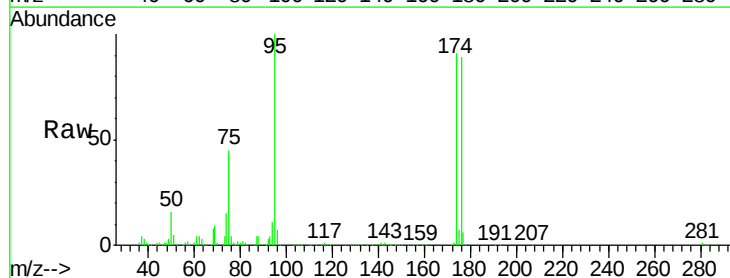
Tgt Ion: 95 Resp: 473582

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.2

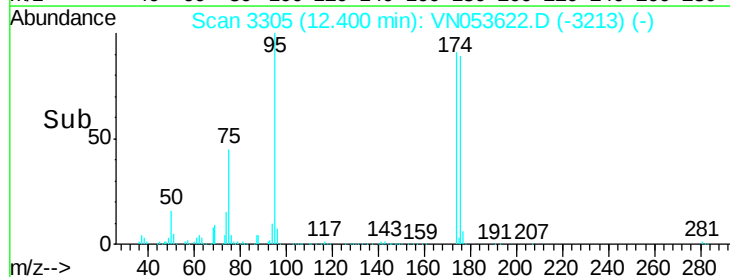
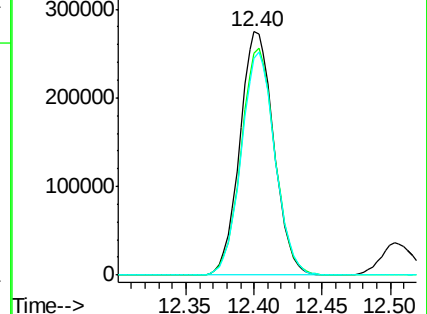
176 90.9 0.0 177.4

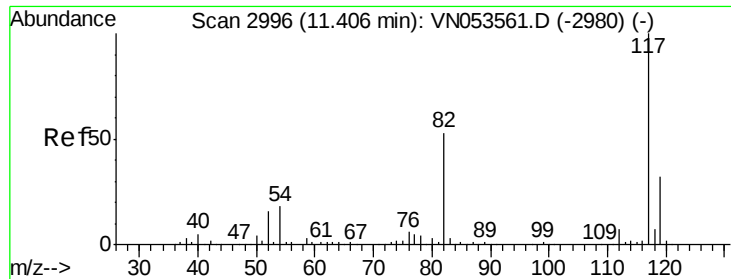


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

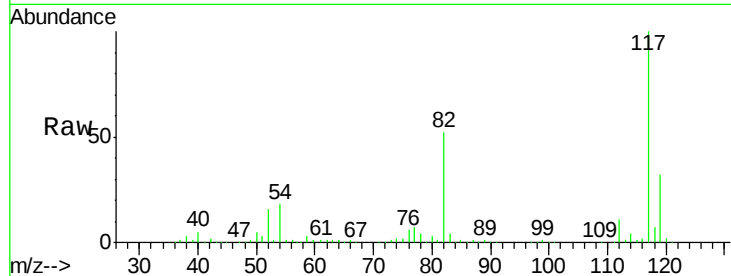




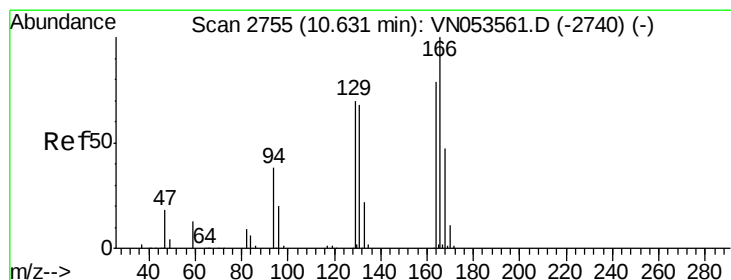
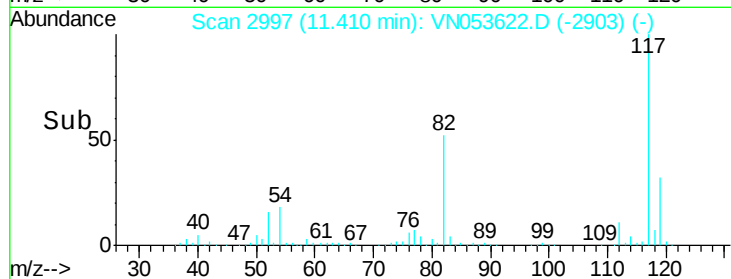
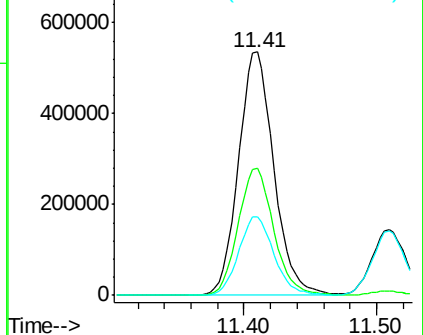
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 994567
Ion Ratio Lower Upper
117 100
82 52.0 42.9 64.3
119 32.3 26.0 39.0

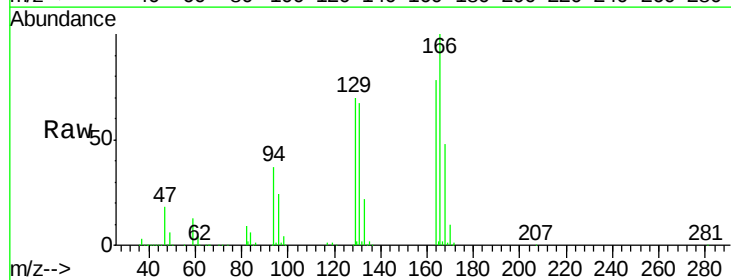


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

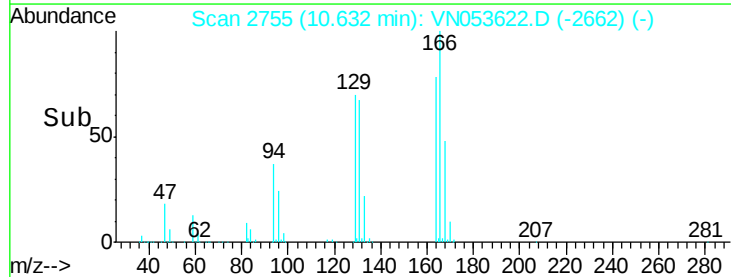
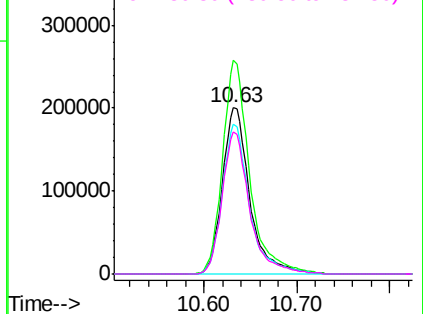


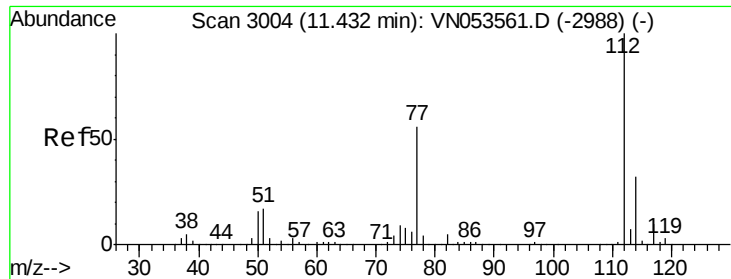
#64
Tetrachloroethene
Concen: 48.301 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion:164 Resp: 411798
Ion Ratio Lower Upper
164 100
166 128.4 102.2 153.4
129 89.9 72.6 109.0
131 85.6 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

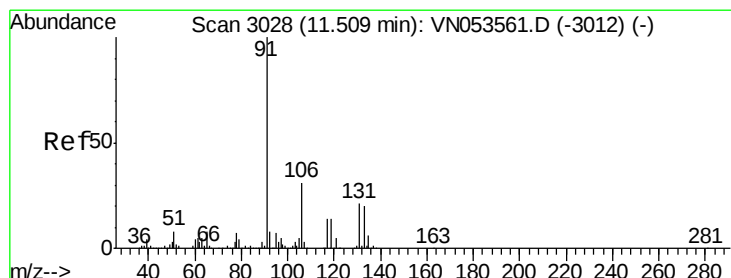
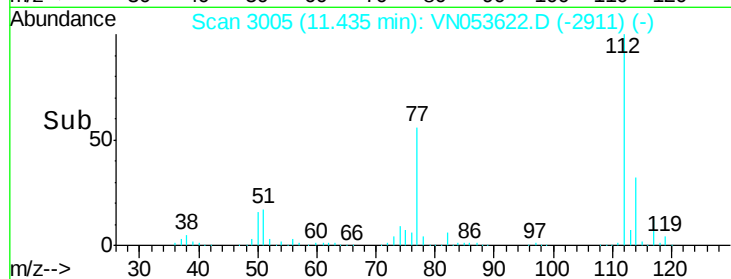
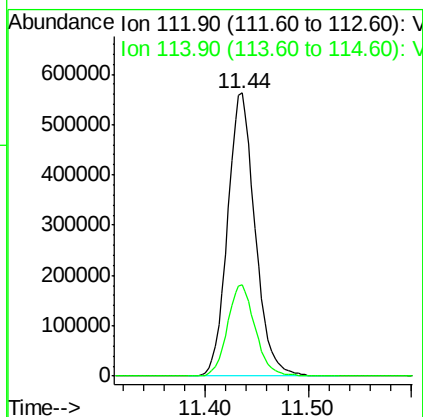
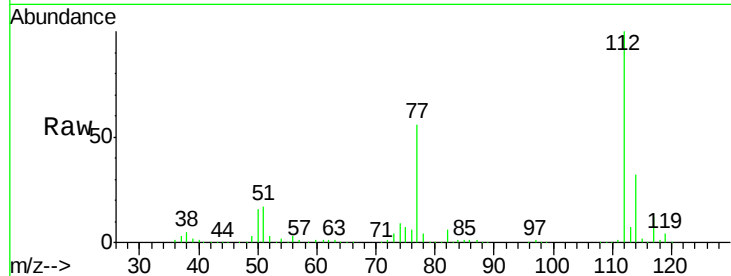




#65
Chlorobenzene
Concen: 49.432 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

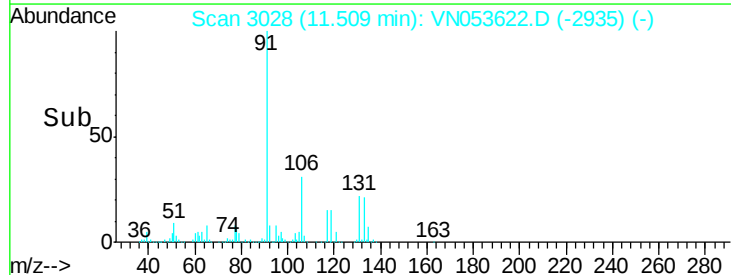
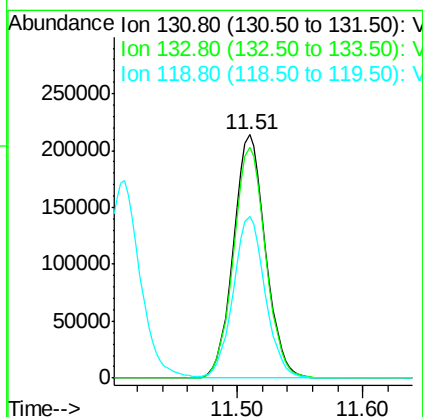
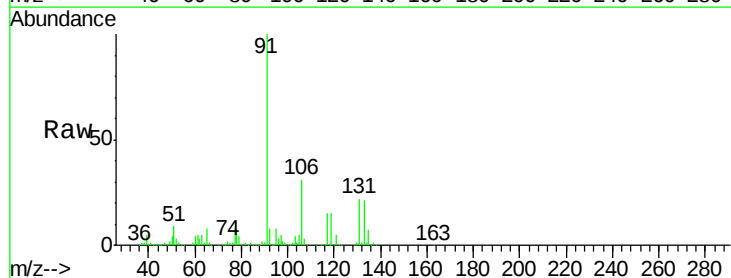
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

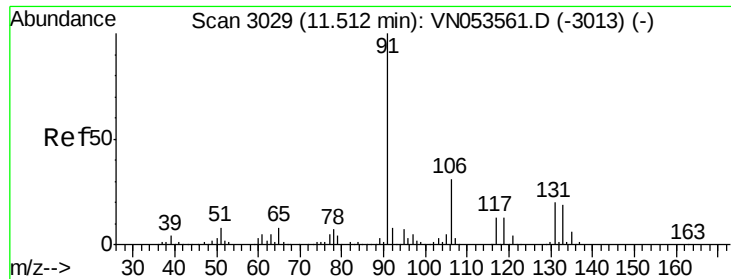
Tot Ion:112 Resp: 1044291
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.321 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion:131 Resp: 378640
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 66.4 33.5 100.5

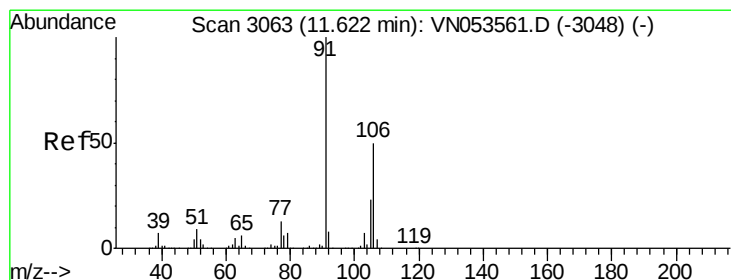
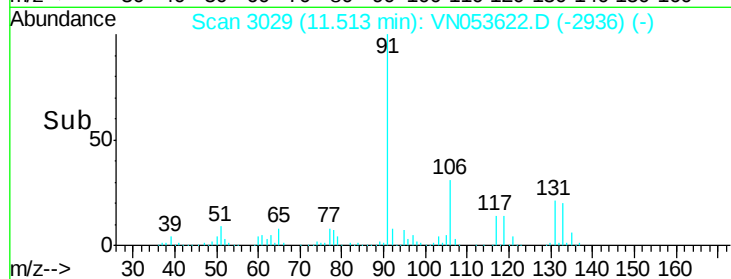
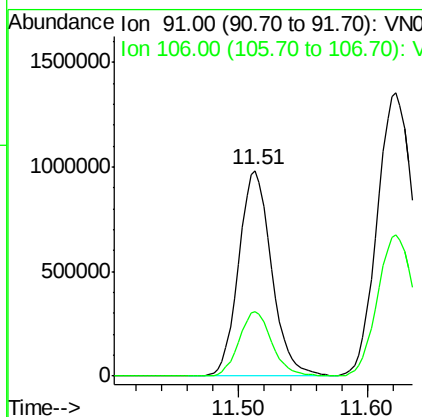
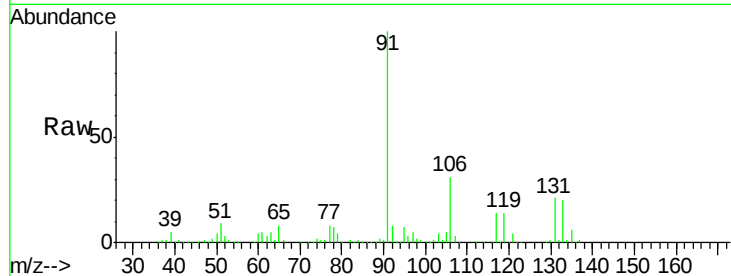




#67
Ethyl Benzene
Concen: 50.407 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

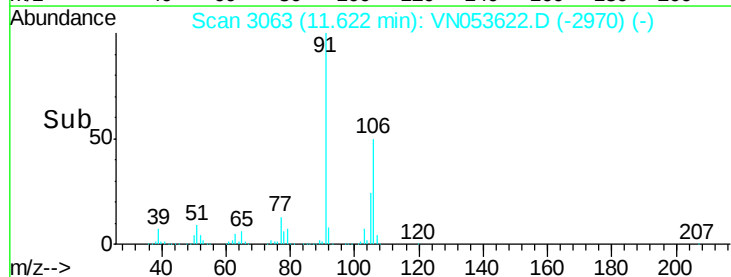
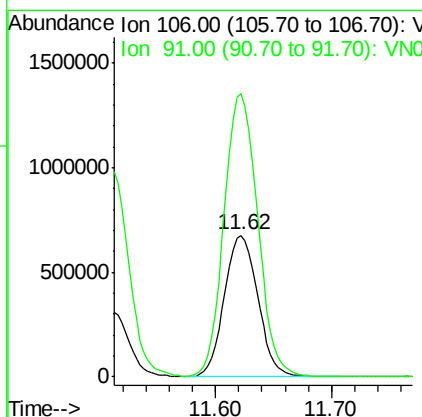
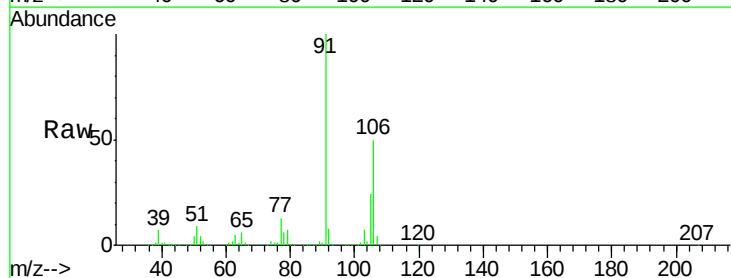
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

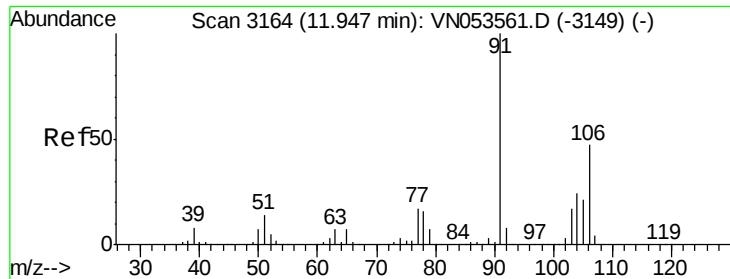
Tot Ion: 91 Resp: 1749288
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 102.482 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 106 Resp: 1357359
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2

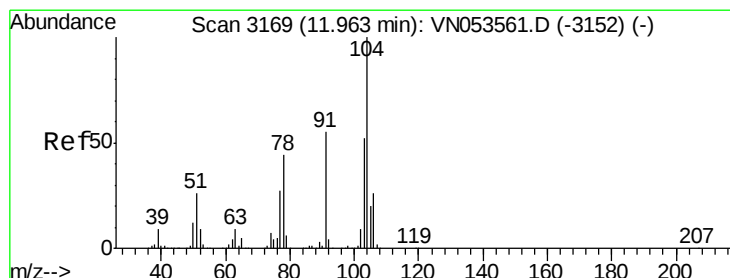
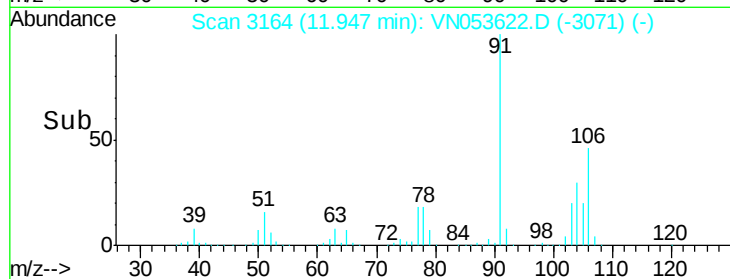
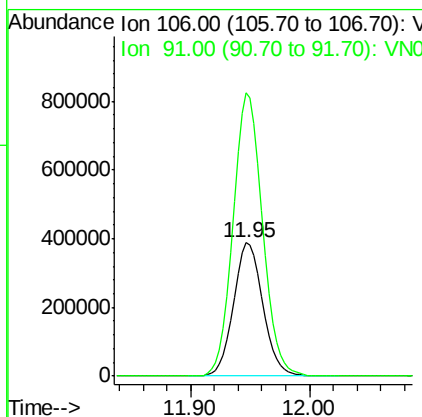
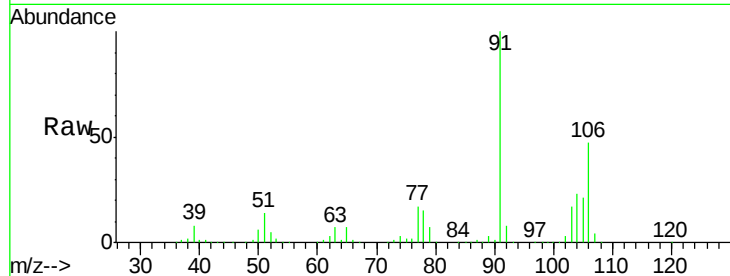




#69
o-Xylene
Concen: 51.842 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

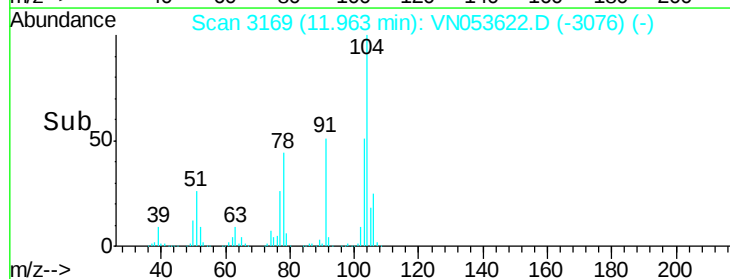
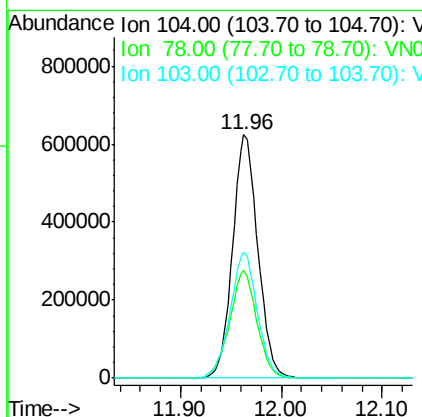
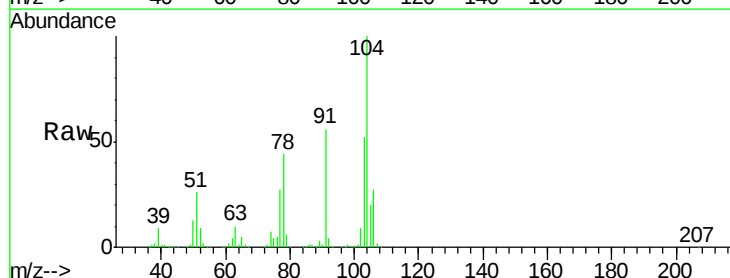
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

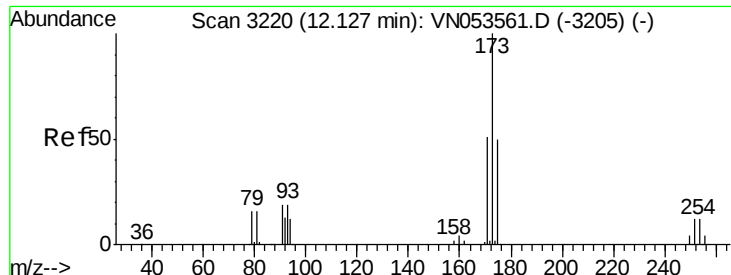
Tot Ion:106 Resp: 663364
Ion Ratio Lower Upper
106 100
91 211.9 106.9 320.8



#70
Styrene
Concen: 52.422 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion:104 Resp: 1087224
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.5 44.4 66.6

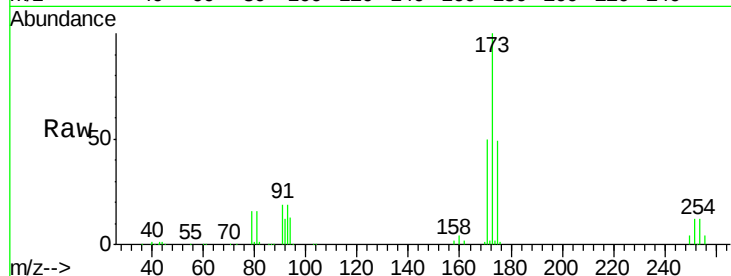




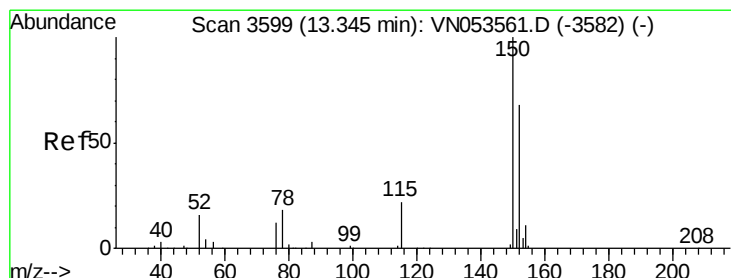
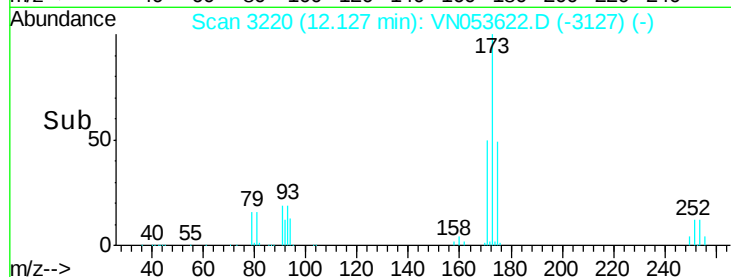
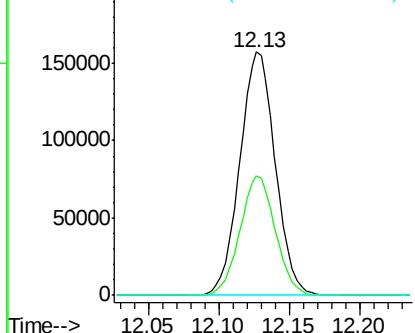
#71
Bromoform
Concen: 54.721 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 276784
Ion Ratio Lower Upper
173 100
175 48.9 24.6 74.0
254 0.0 0.2 0.2#

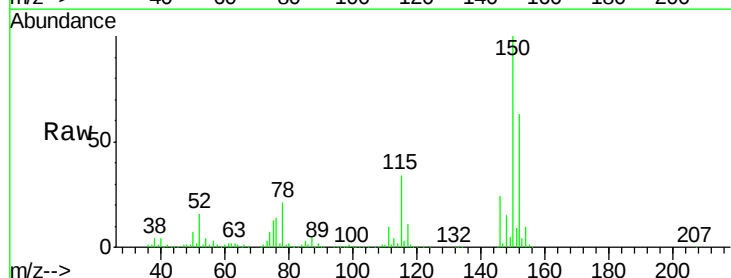


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

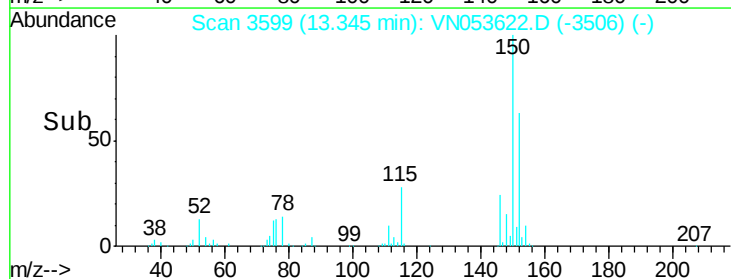
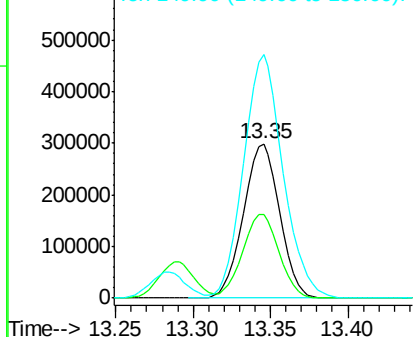


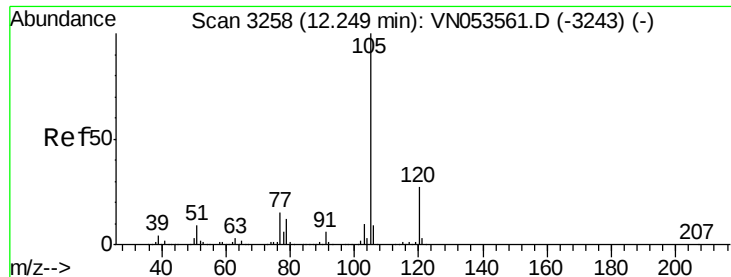
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion:152 Resp: 486199
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 172.0 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

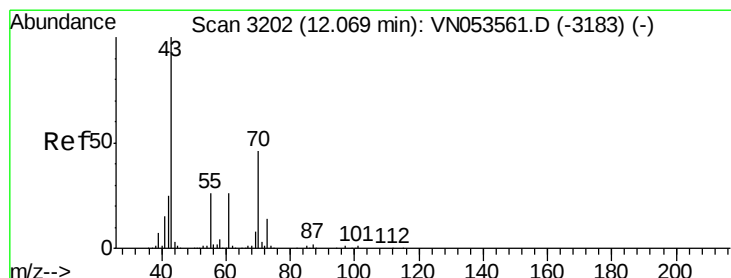
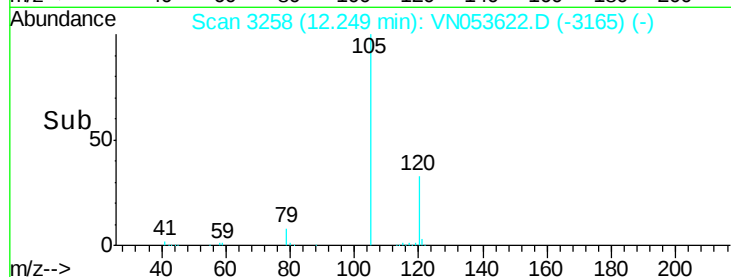
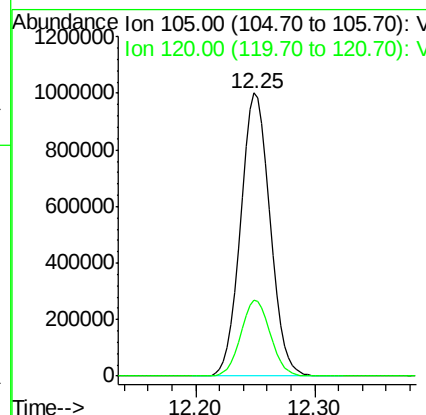
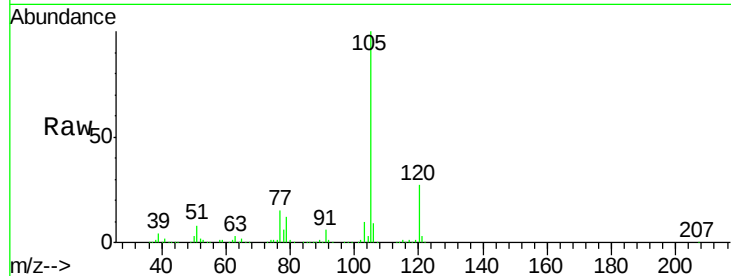




#73
Isopropylbenzene
Concen: 50.176 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

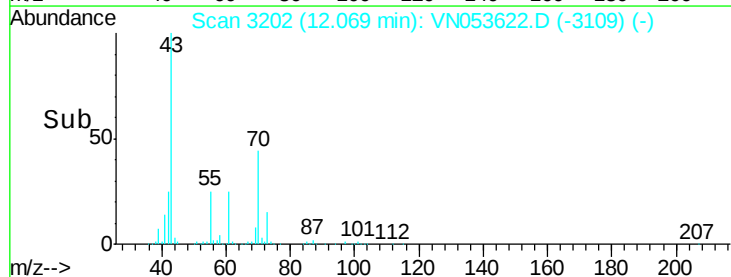
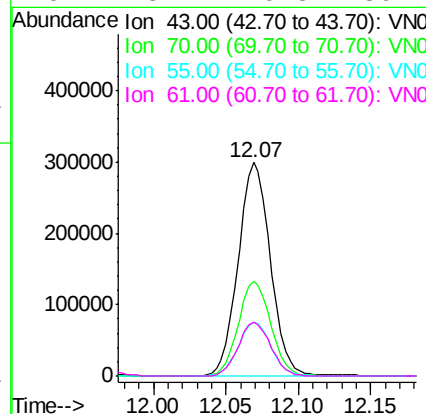
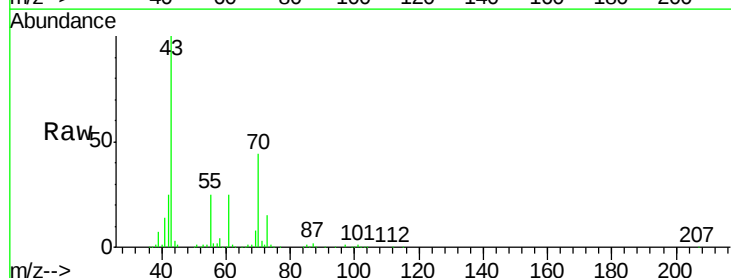
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

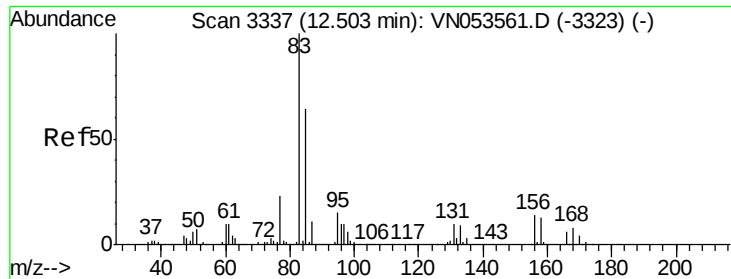
Tot Ion:105 Resp: 1714971
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.7



#74
N-ethyl acetate
Concen: 56.008 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 43 Resp: 460329
Ion Ratio Lower Upper
43 100
70 45.0 35.4 53.2
55 25.8 20.9 31.3
61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.141 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

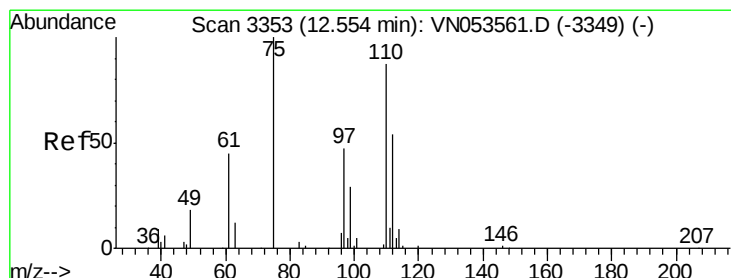
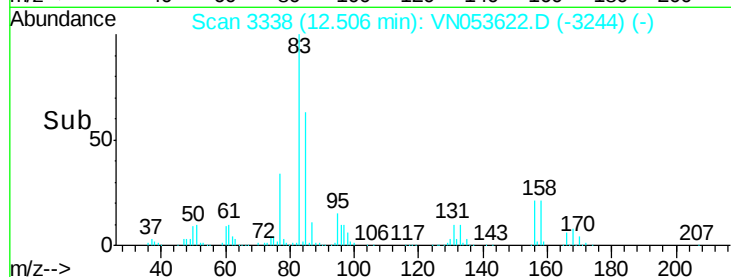
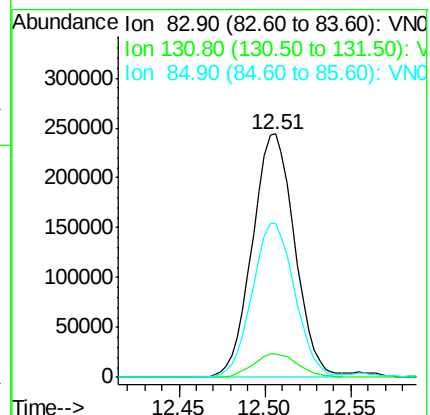
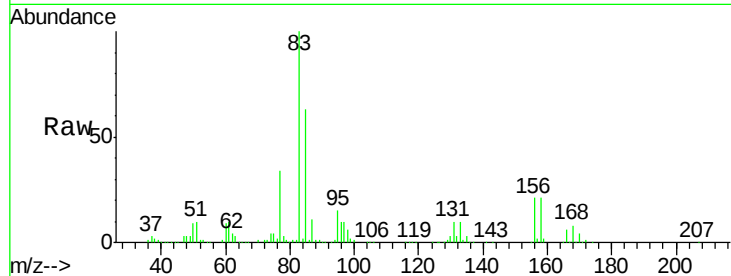
Tot Ion: 83 Resp: 418334

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

85 63.4 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 81.591 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053622.D

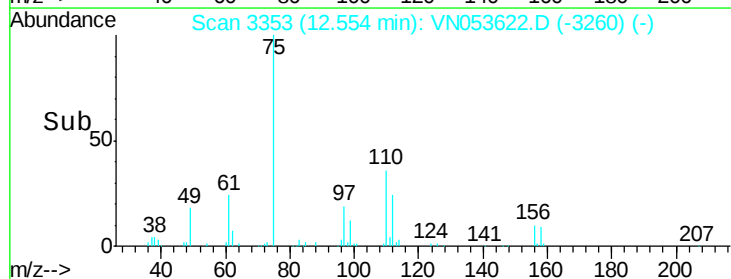
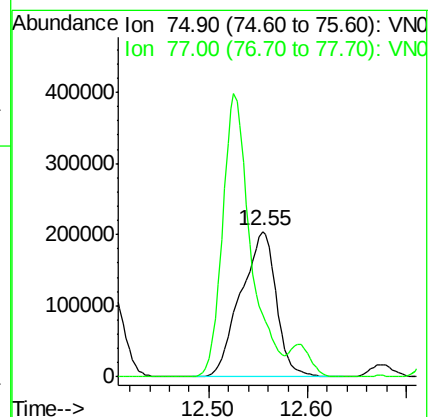
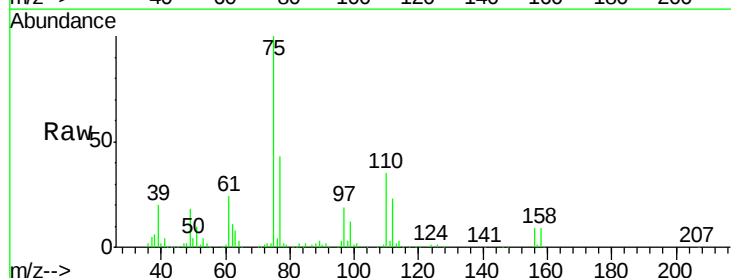
Acq: 5 Feb 2019 16:16

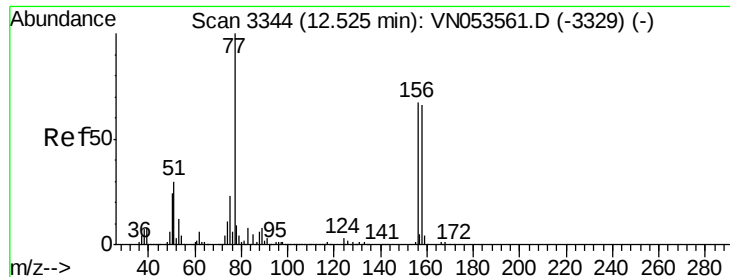
Tgt Ion: 75 Resp: 509528

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.763 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

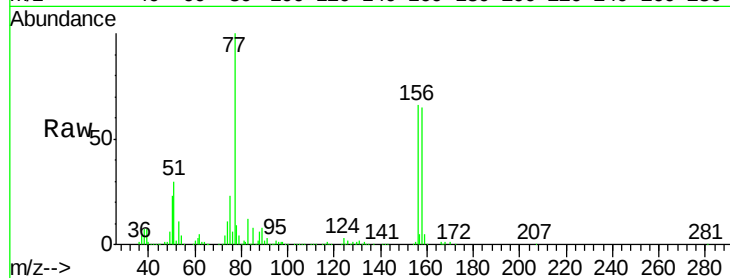
Tot Ion:156 Resp: 458398

Ion Ratio Lower Upper

156 100

77 173.8 87.9 263.8

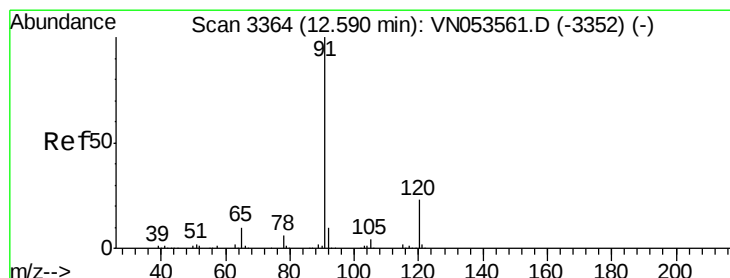
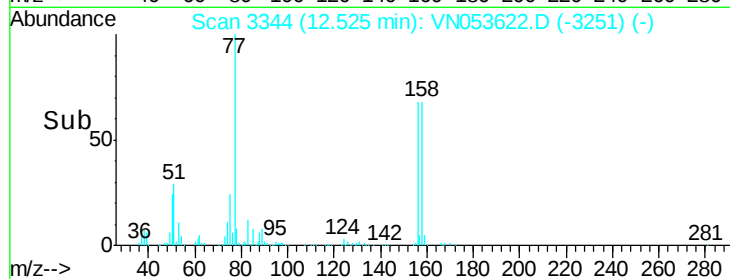
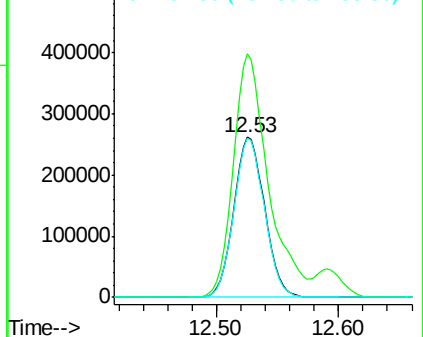
158 98.4 48.8 146.4



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: 50.130 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053622.D

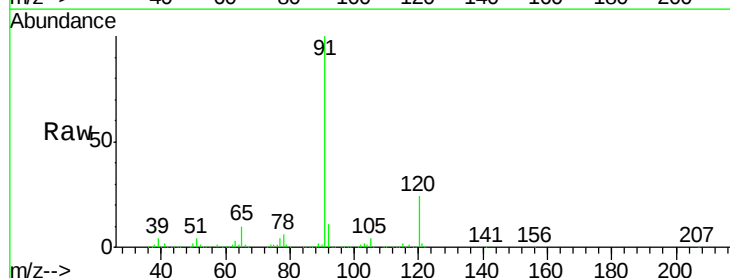
Acq: 5 Feb 2019 16:16

Tgt Ion: 91 Resp: 1980721

Ion Ratio Lower Upper

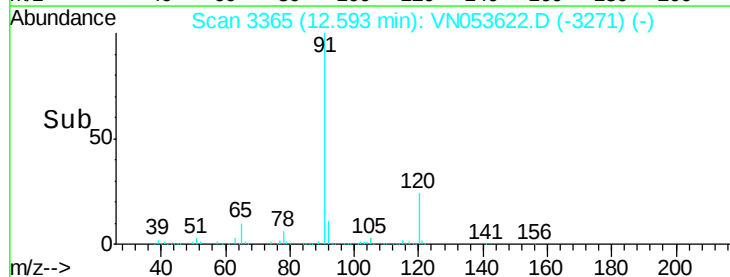
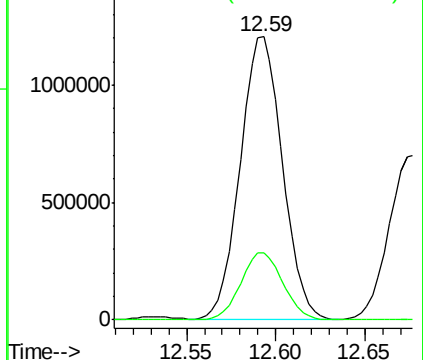
91 100

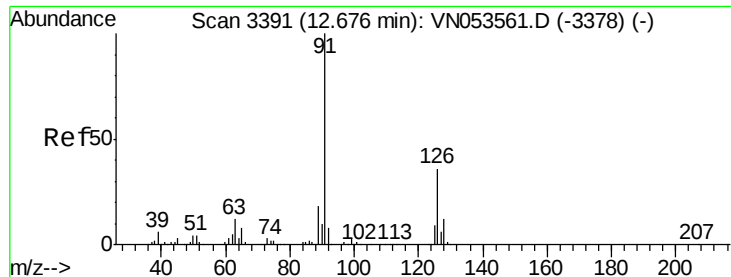
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.103 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

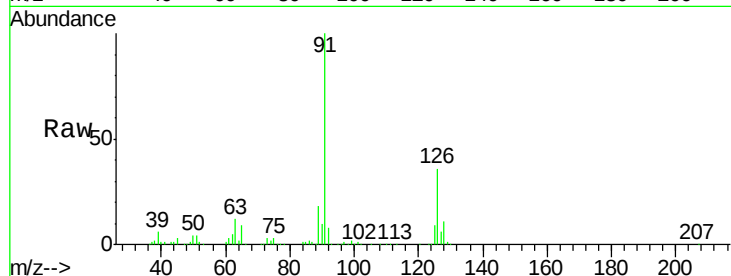
VSTDCCC050EC

Tot Ion: 91 Resp: 1174481

Ion Ratio Lower Upper

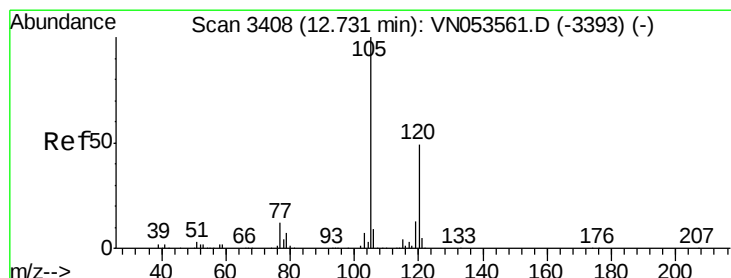
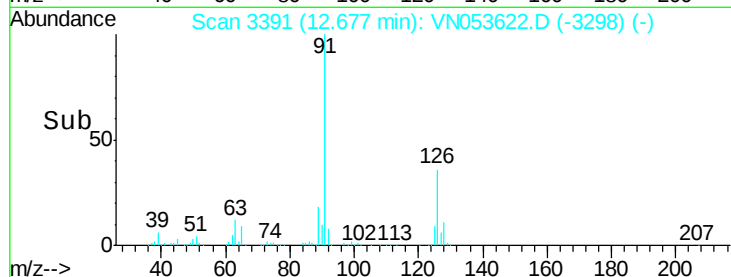
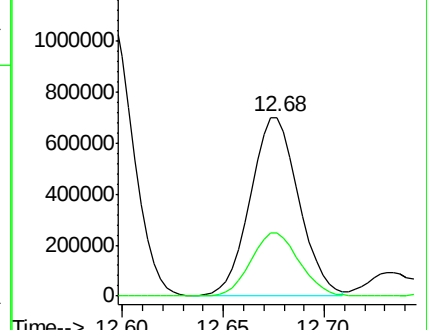
91 100

126 35.8 17.9 53.7



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

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.211 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053622.D

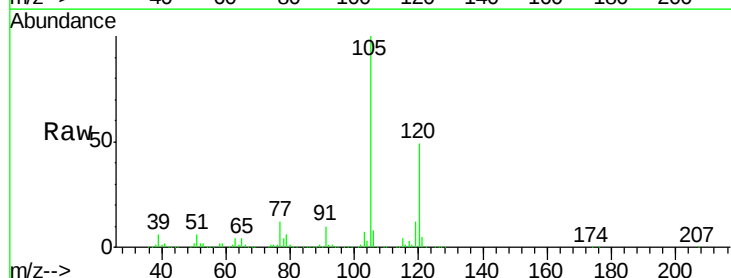
Acq: 5 Feb 2019 16:16

Tgt Ion: 105 Resp: 1479803

Ion Ratio Lower Upper

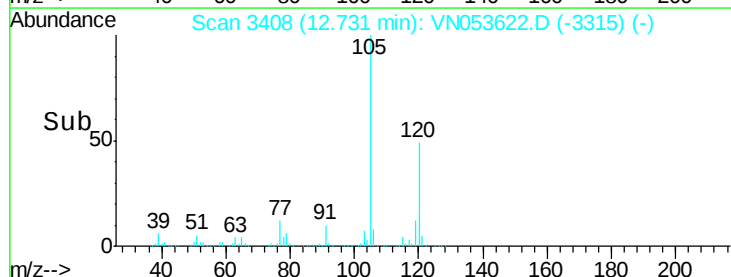
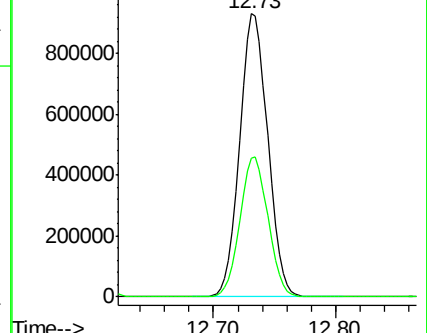
105 100

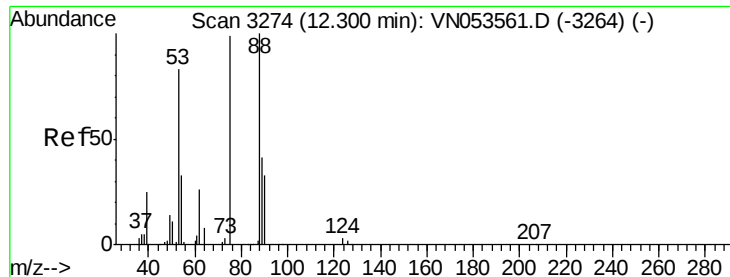
120 49.4 24.9 74.6



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

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.111 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

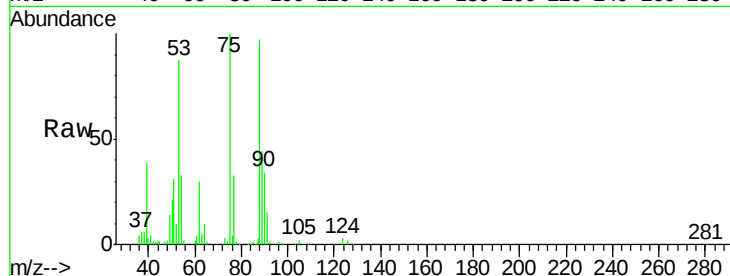
Tot Ion: 75 Resp: 115731

Ion Ratio Lower Upper

75 100

53 88.8 69.8 104.6

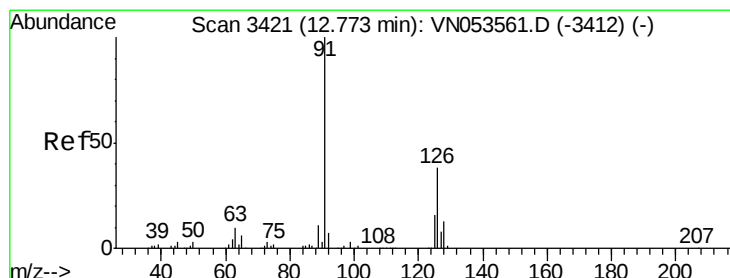
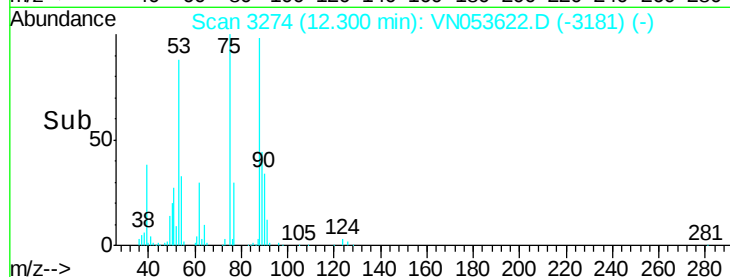
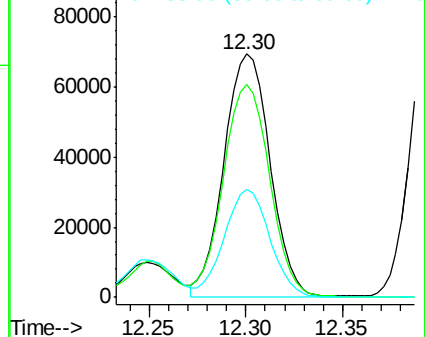
89 44.0 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.754 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053622.D

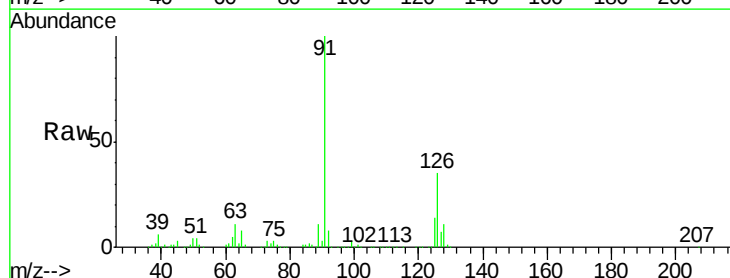
Acq: 5 Feb 2019 16:16

Tgt Ion: 91 Resp: 1196797

Ion Ratio Lower Upper

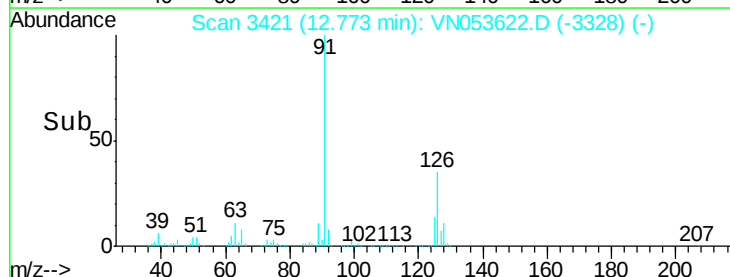
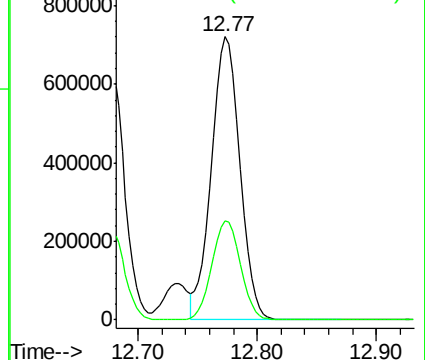
91 100

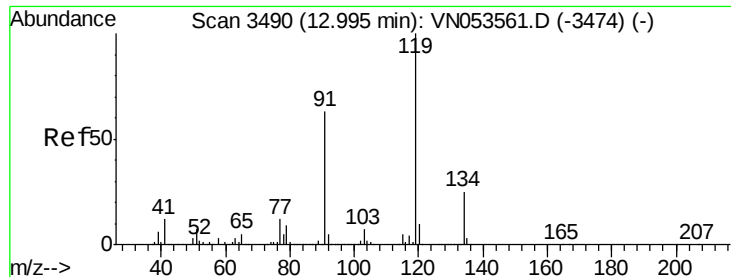
126 35.2 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

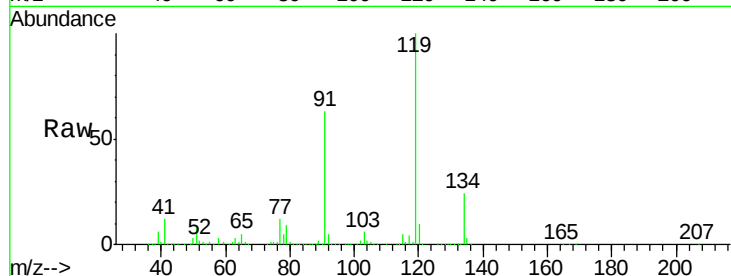




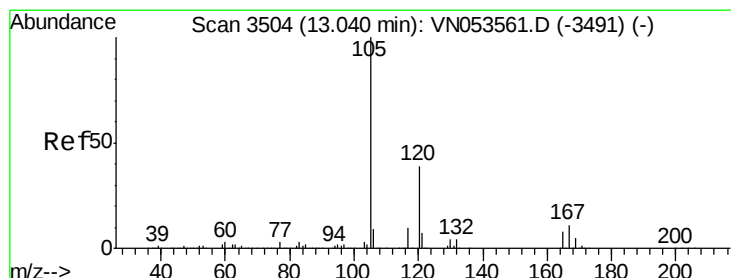
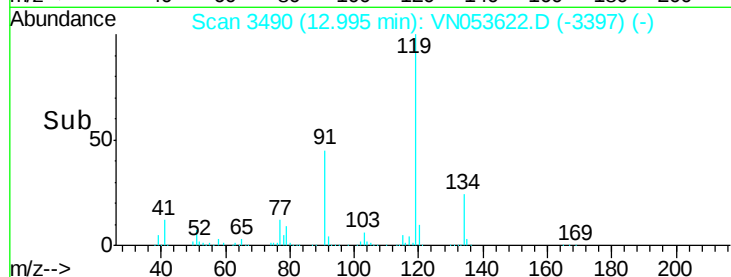
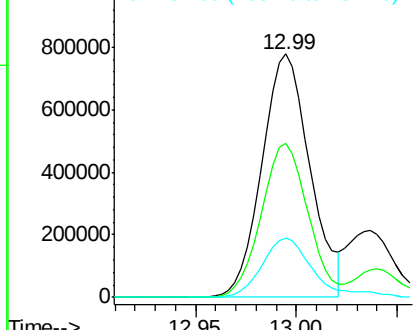
#83
tert-Butylbenzene
Concen: 51.582 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1292139
Ion Ratio Lower Upper
119 100
91 61.8 31.3 93.8
134 26.1 12.9 38.7

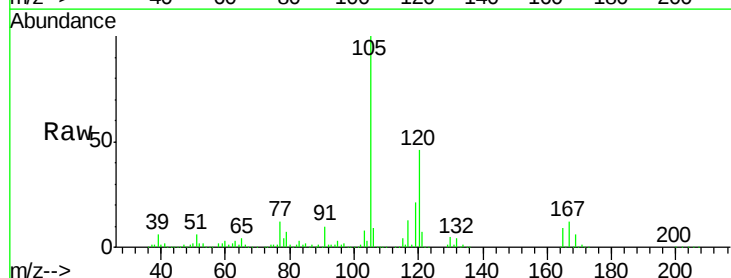


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

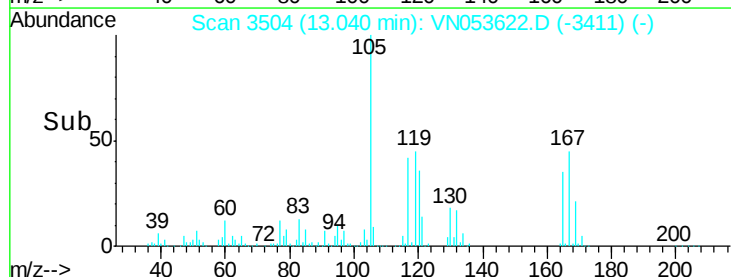
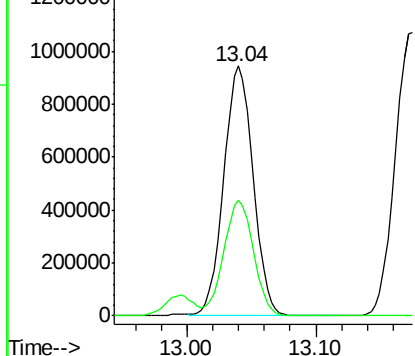


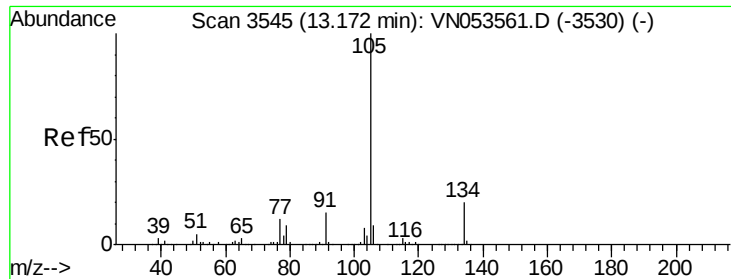
#84
1,2,4-Trimethylbenzene
Concen: 51.619 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion:105 Resp: 1490564
Ion Ratio Lower Upper
105 100
120 46.8 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: 50.853 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

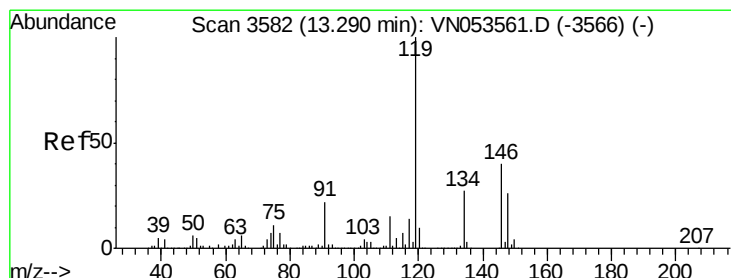
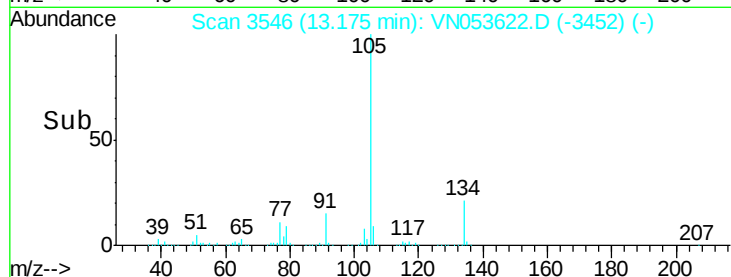
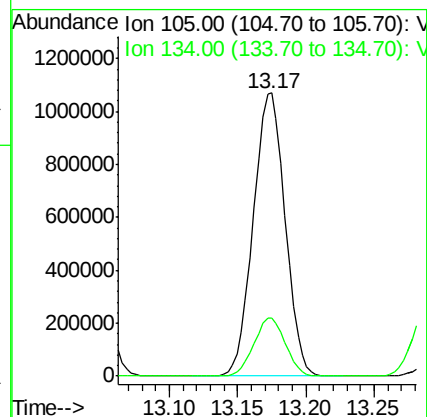
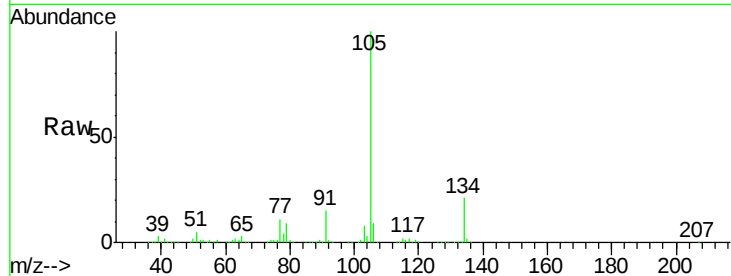
VSTDCCC050EC

Tot Ion:105 Resp: 1733503

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 51.585 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

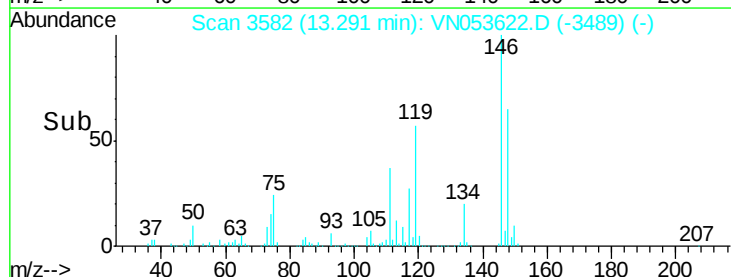
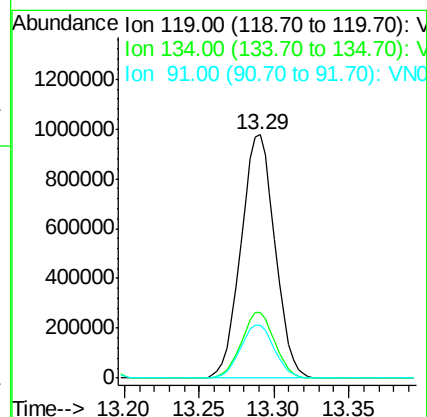
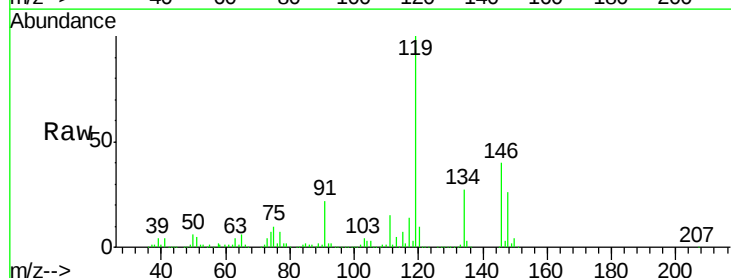
Tgt Ion:119 Resp: 1537913

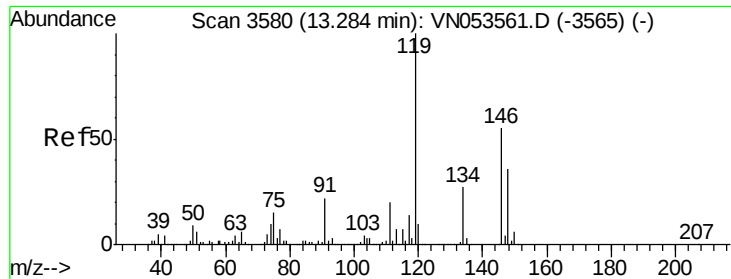
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.8 11.0 33.0

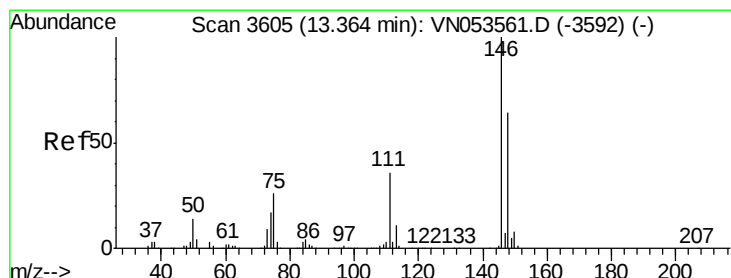
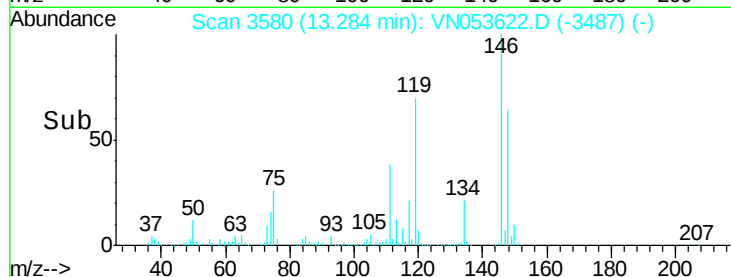
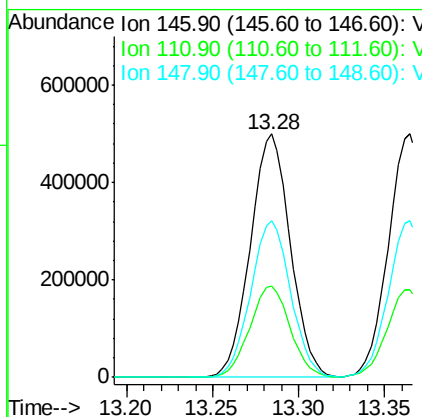
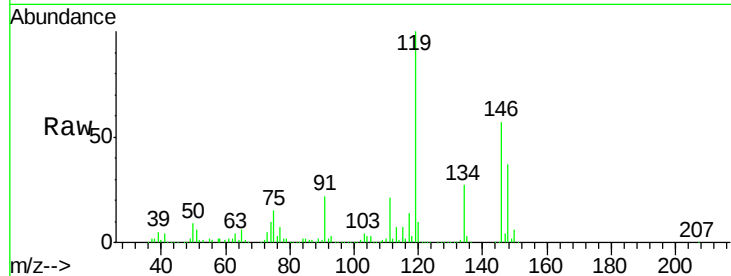




#87
 1,3-Dichlorobenzene
 Concen: 48.772 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

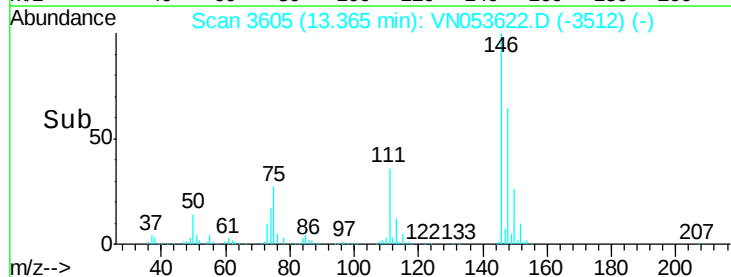
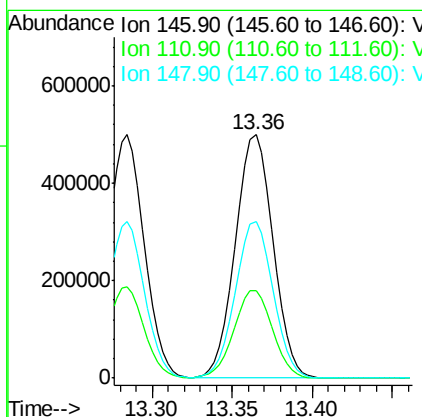
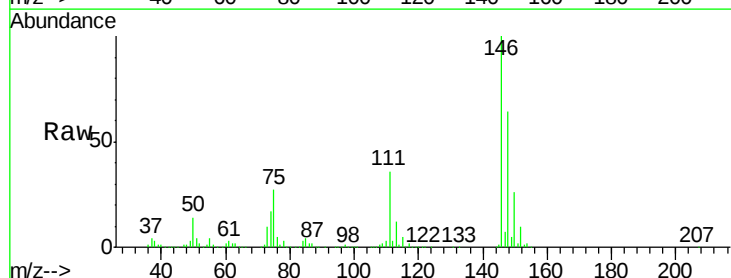
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

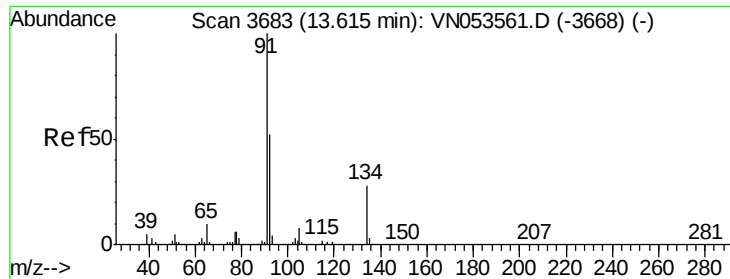
Tot Ion:146 Resp: 807619
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.971 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion:146 Resp: 802149
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.4 32.4 97.0

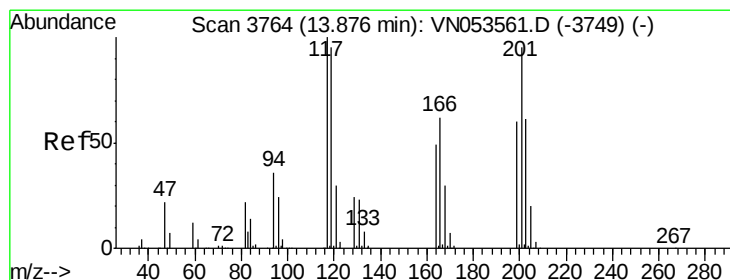
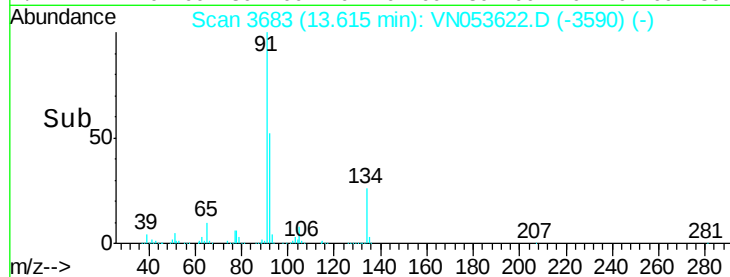
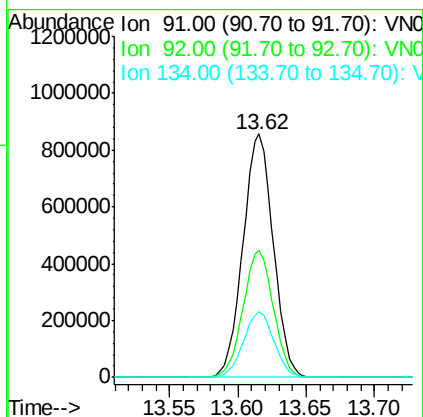
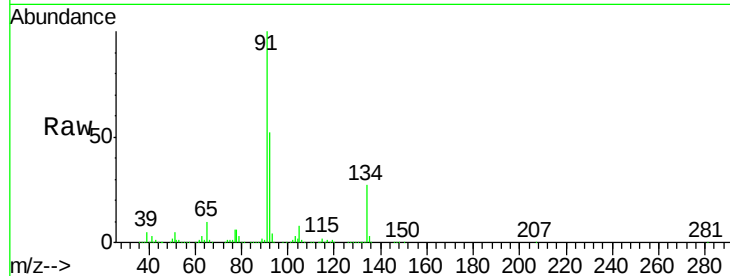




#89
n-Butylbenzene
Concen: 51.011 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

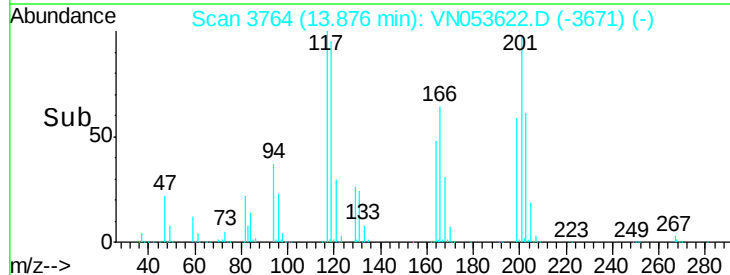
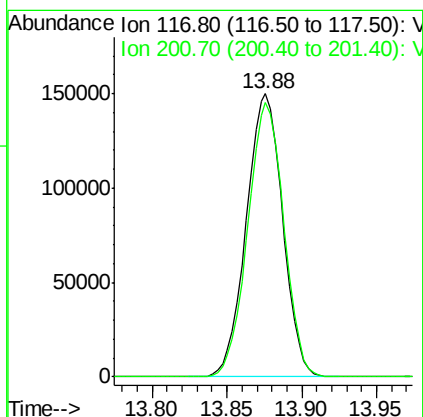
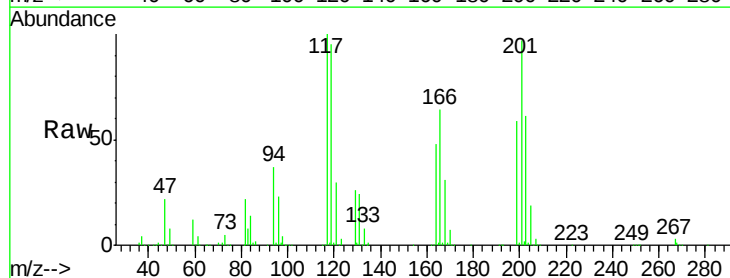
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

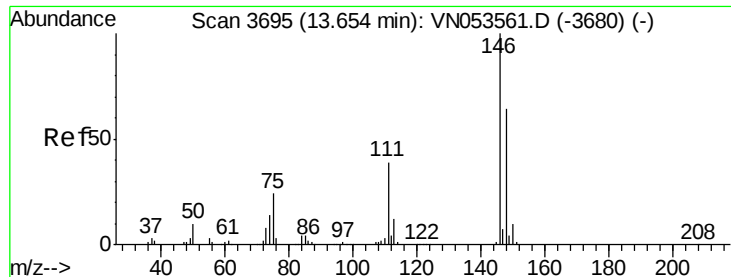
Tot Ion: 91 Resp: 1316357
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 51.481 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 117 Resp: 253164
Ion Ratio Lower Upper
117 100
201 96.1 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 49.932 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

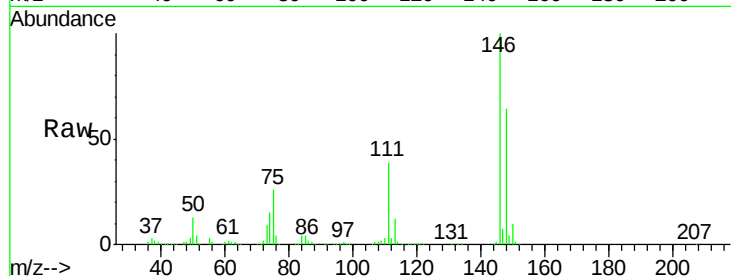
Tot Ion:146 Resp: 791558

Ion Ratio Lower Upper

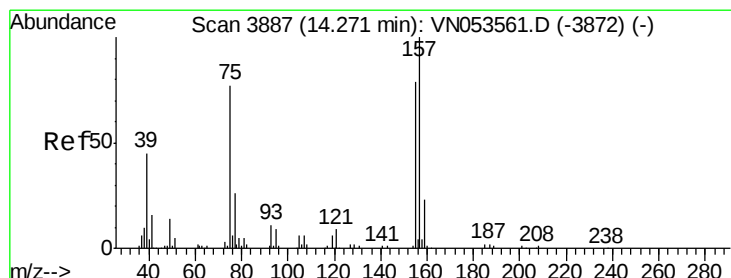
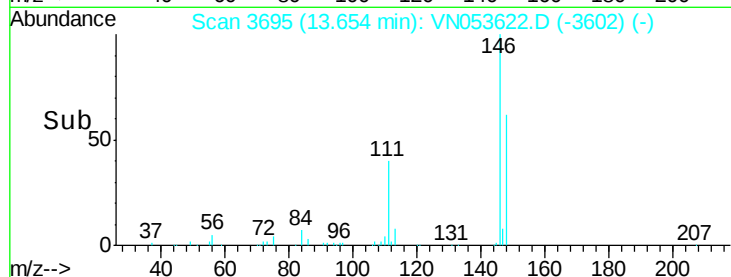
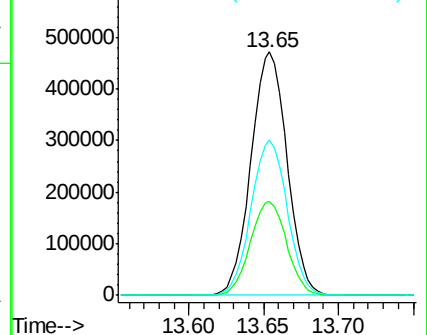
146 100

111 38.6 19.5 58.5

148 64.0 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: 52.585 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

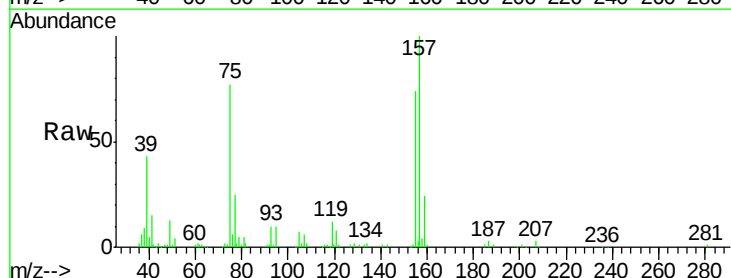
Tgt Ion: 75 Resp: 61303

Ion Ratio Lower Upper

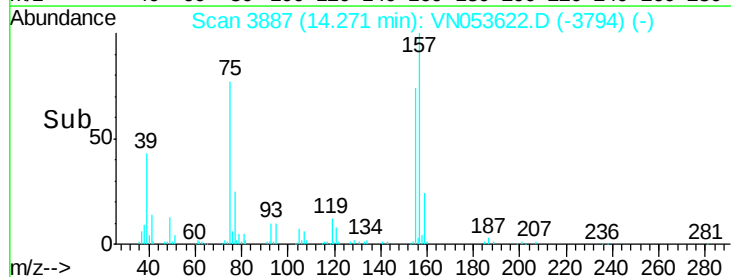
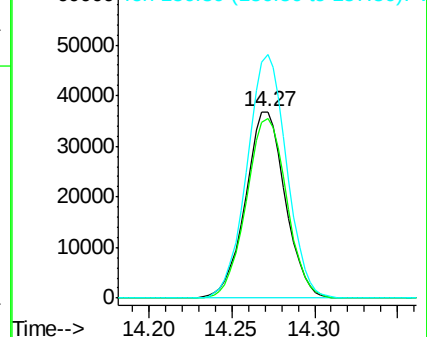
75 100

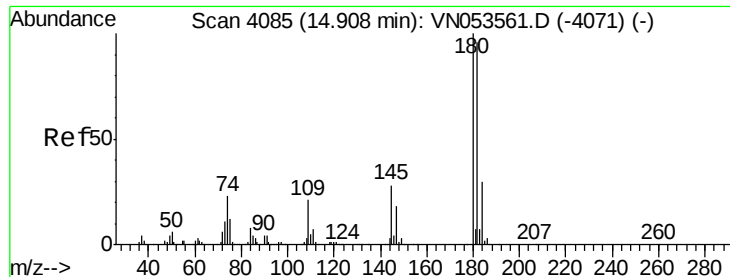
155 98.1 48.9 146.7

157 130.4 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: 52.016 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

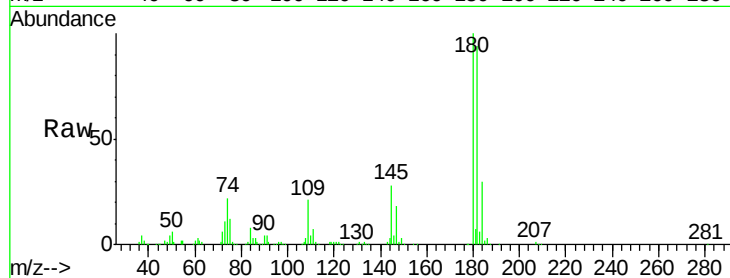
Tot Ion:180 Resp: 472932

Ion Ratio Lower Upper

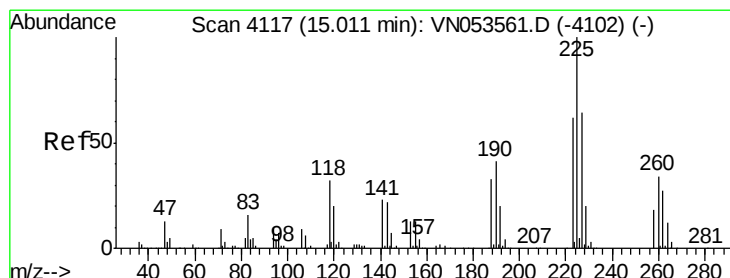
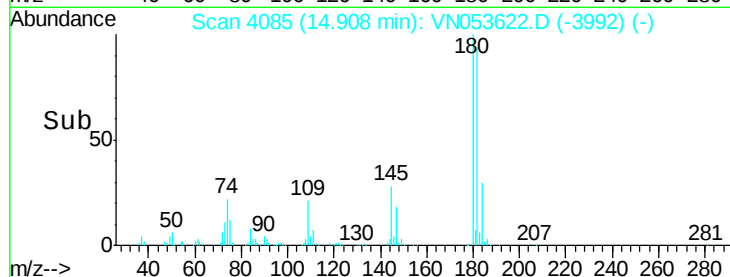
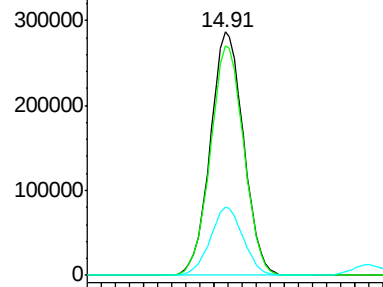
180 100

182 94.8 48.1 144.3

145 27.8 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 48.219 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

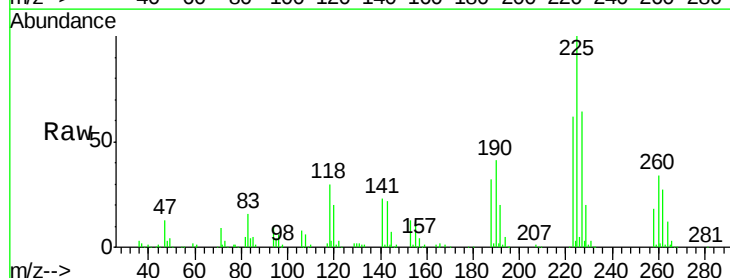
Tgt Ion:225 Resp: 273023

Ion Ratio Lower Upper

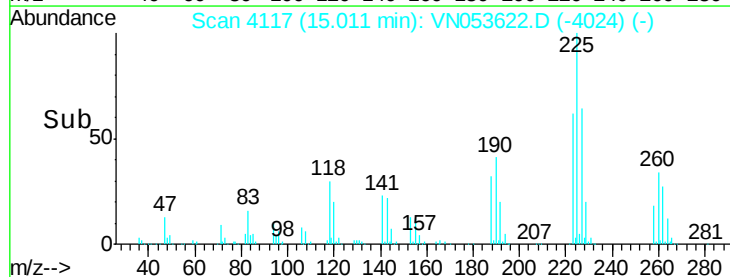
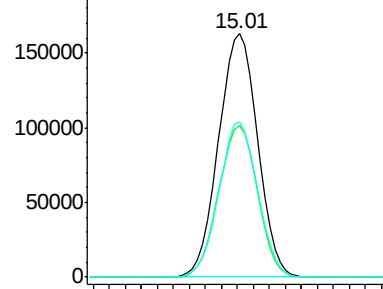
225 100

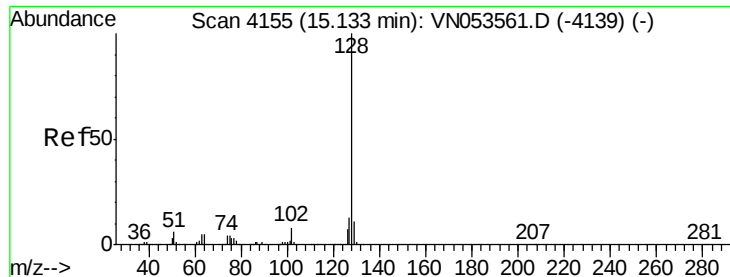
223 61.9 31.1 93.2

227 63.0 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

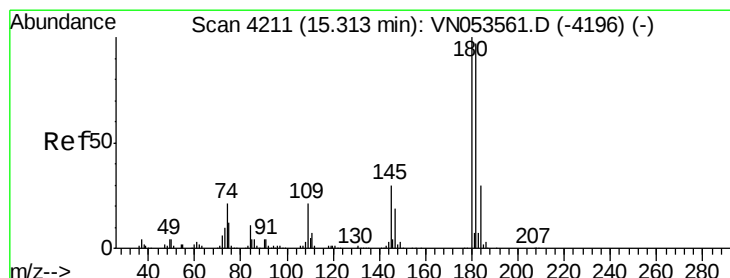
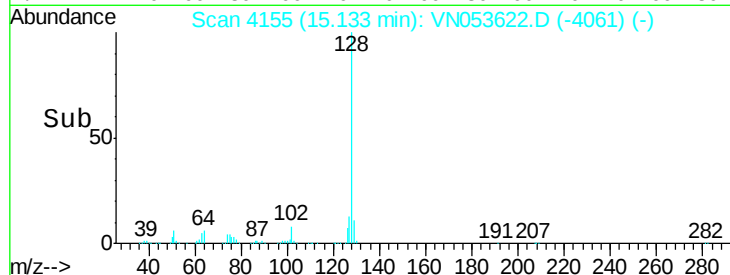
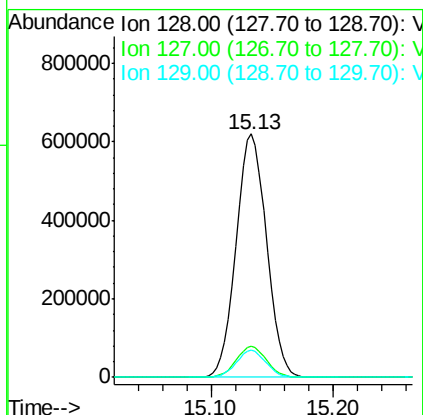
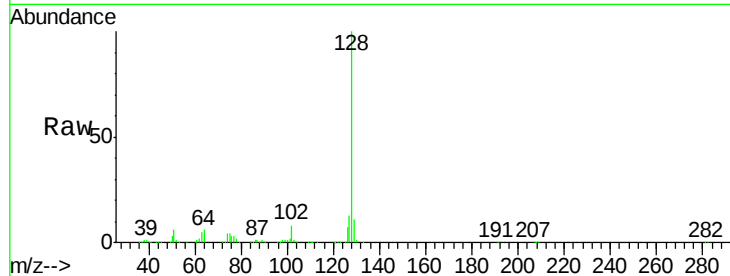




#95
Naphthalene
Concen: 49.931 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1066377
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.565 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion:180 Resp: 435020
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.8
145 29.9 14.7 44.1

