

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053635.D
 Acq On : 6 Feb 2019 15:23
 Operator : JC/SP
 Sample : VN0206WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Quant Time: Feb 07 03:42:46 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	617270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	428548	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	353339	57.06	ug/l	0.00
Spiked Amount			Recovery	=	114.12%	
35) Dibromofluoromethane	7.59	113	336180	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	10.09	98	1239928	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	412069	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	142747	20.712	ug/l	100
3) Chloromethane	2.06	50	156378	21.339	ug/l	99
4) Vinyl Chloride	2.19	62	154185	21.674	ug/l	98
5) Bromomethane	2.58	94	102005	21.930	ug/l	97
6) Chloroethane	2.71	64	88891	21.866	ug/l	98
7) Trichlorofluoromethane	3.02	101	210788	21.850	ug/l	100
8) Diethyl Ether	3.42	74	76440	21.697	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	126372	21.181	ug/l	99
10) Methyl Iodide	3.96	142	197755	21.118	ug/l	100
11) Tert butyl alcohol	4.78	59	40930	111.684	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	123083	21.533	ug/l	97
13) Acrolein	3.61	56	28494	142.803	ug/l	97
14) Allyl chloride	4.33	41	191771	21.071	ug/l	98
15) Acrylonitrile	4.99	53	220629	111.516	ug/l	99
16) Acetone	3.81	43	147407	92.804	ug/l	98
17) Carbon Disulfide	4.06	76	356056	20.005	ug/l	100
18) Methyl Acetate	4.33	43	109571	23.293	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	325010	22.429	ug/l	98
20) Methylene Chloride	4.55	84	142877	21.441	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132204	21.438	ug/l	97
22) Diisopropyl ether	5.95	45	373106	22.125	ug/l	97
23) Vinyl Acetate	5.90	43	1292565	110.796	ug/l	100
24) 1,1-Dichloroethane	5.85	63	244816	21.765	ug/l	99
25) 2-Butanone	6.84	43	238262	105.176	ug/l	99
26) 2,2-Dichloropropane	6.83	77	171873	20.017	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149610	21.818	ug/l	98
28) Bromochloromethane	7.20	49	104900	21.491	ug/l	97
29) Tetrahydrofuran	7.21	42	160446	110.298	ug/l	98
30) Chloroform	7.37	83	243328	21.823	ug/l	99
31) Cyclohexane	7.65	56	216242	20.549	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	200459	21.603	ug/l	100
36) 1,1-Dichloropropene	7.79	75	172072	18.520	ug/l	97
37) Ethyl Acetate	6.93	43	109560	21.113	ug/l	98
38) Carbon Tetrachloride	7.78	117	179643	19.193	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198207	17.981	ug/l	99
40) Benzene	8.04	78	565411	19.734	ug/l	99
41) Methacrylonitrile	7.17	41	59525	20.525	ug/l	91
42) 1,2-Dichloroethane	8.13	62	166226	19.540	ug/l	98
43) Isopropyl Acetate	8.17	43	210271	20.982	ug/l #	84
44) Trichloroethene	8.84	130	151521	18.576	ug/l	100
45) 1,2-Dichloropropane	9.12	63	145822	19.899	ug/l	99
46) Dibromomethane	9.21	93	87986	19.917	ug/l	98
47) Bromodichloromethane	9.40	83	181619	19.773	ug/l	97
48) Methyl methacrylate	9.20	41	90089	18.833	ug/l	94
49) 1,4-Dioxane	9.20	88	26629	408.257	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	500468	101.629	ug/l	99
52) Toluene	10.16	92	340787	20.041	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	175495	19.081	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	210743	19.336	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	125529	20.487	ug/l	98
56) Ethyl methacrylate	10.43	69	143260	19.764	ug/l	99
57) 1,3-Dichloropropane	10.71	76	210518	20.103	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	384371	90.772	ug/l	98
59) 2-Hexanone	10.75	43	314553	94.091	ug/l	99
60) Dibromochloromethane	10.90	129	137919	19.960	ug/l	100
61) 1,2-Dibromoethane	11.01	107	117812	19.426	ug/l	100
64) Tetrachloroethene	10.63	164	145651	18.961	ug/l	98
65) Chlorobenzene	11.44	112	366476	19.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	134042	20.164	ug/l	99
67) Ethyl Benzene	11.51	91	614694	19.660	ug/l	99
68) m/p-Xylenes	11.62	106	478195	40.072	ug/l	99
69) o-Xylene	11.95	106	231659	20.094	ug/l	99
70) Styrene	11.96	104	377177	20.185	ug/l	99
71) Bromoform	12.13	173	93816	20.586	ug/l #	98
73) Isopropylbenzene	12.25	105	609848	20.243	ug/l	100
74) N-amyl acetate	12.07	43	148763	20.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	141510	19.627	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	173294	31.483	ug/l #	100
77) Bromobenzene	12.53	156	161914	19.942	ug/l	98
78) n-propylbenzene	12.59	91	697058	20.015	ug/l	100
79) 2-Chlorotoluene	12.68	91	417437	20.203	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	517433	20.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36161	18.473	ug/l	98
82) 4-Chlorotoluene	12.77	91	420869	19.851	ug/l	100
83) tert-Butylbenzene	12.99	119	458297	20.756	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	526872	20.701	ug/l	99
85) sec-Butylbenzene	13.17	105	624261	20.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	535312	20.371	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284351	19.482	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	280480	19.427	ug/l	100
89) n-Butylbenzene	13.62	91	438598	19.283	ug/l	100
90) Hexachloroethane	13.87	117	87337	20.149	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	281729	20.162	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22245	21.649	ug/l	95

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

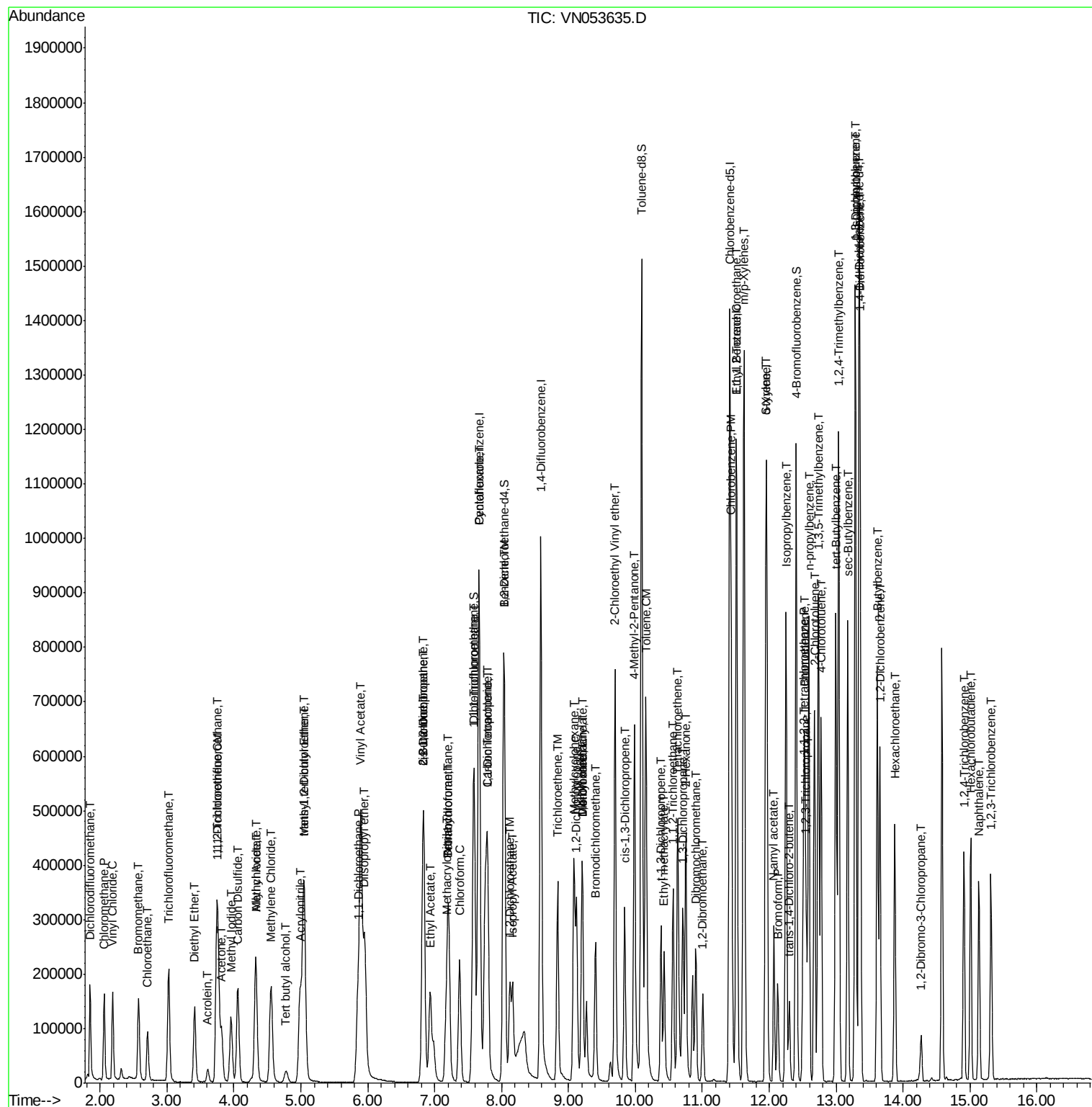
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152059	18.974	ug/l	100
94) Hexachlorobutadiene	15.01	225	99606	19.958	ug/l	98
95) Naphthalene	15.13	128	319000	18.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	144886	19.485	ug/l	99

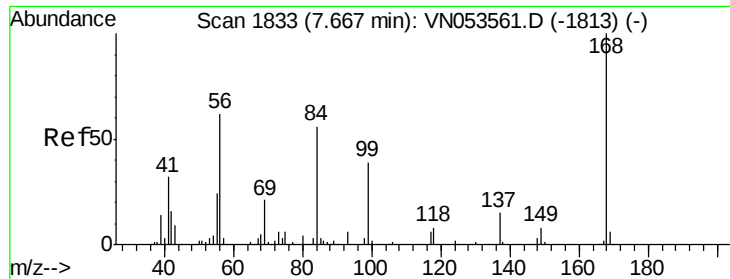
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

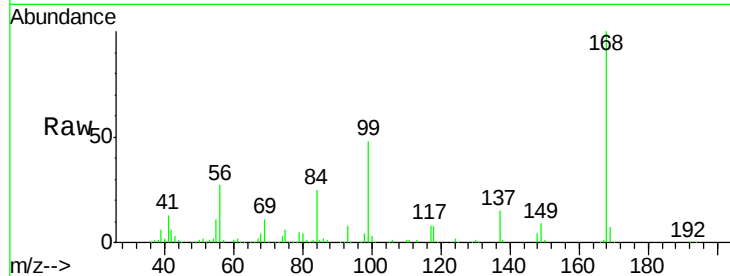
VN0206WBSD01

Tot Ion:168 Resp: 617270

Ion Ratio Lower Upper

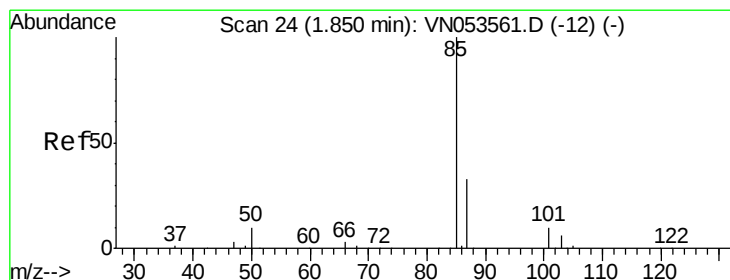
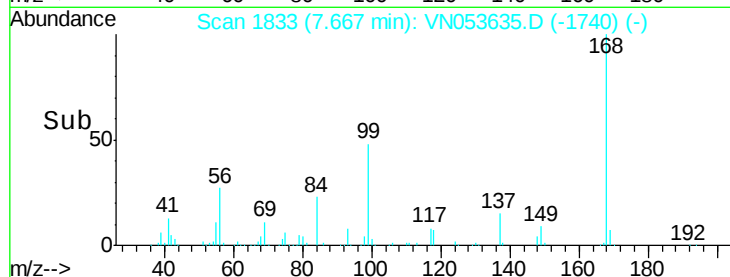
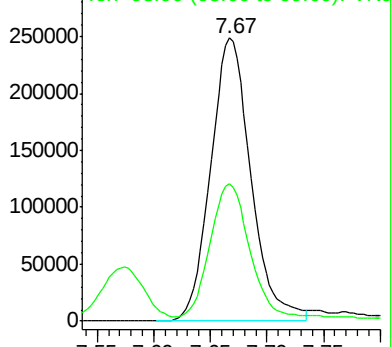
168 100

99 46.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.712 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053635.D

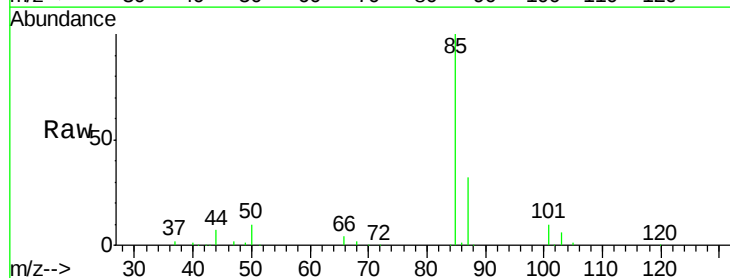
Acq: 6 Feb 2019 15:23

Tgt Ion: 85 Resp: 142747

Ion Ratio Lower Upper

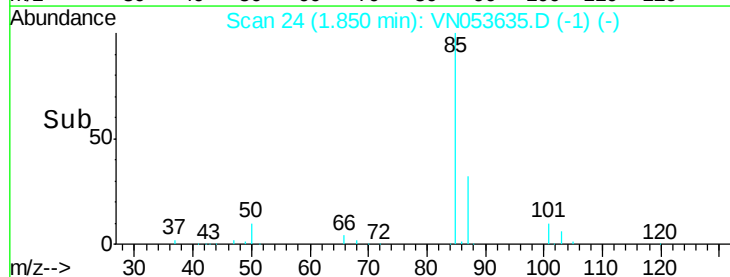
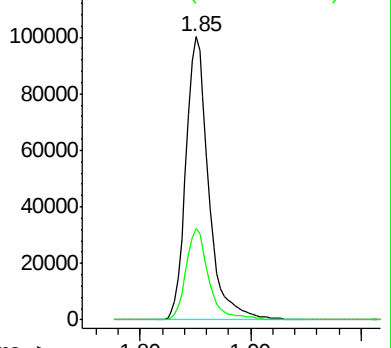
85 100

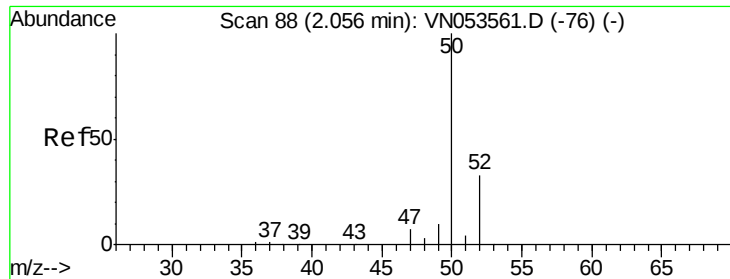
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

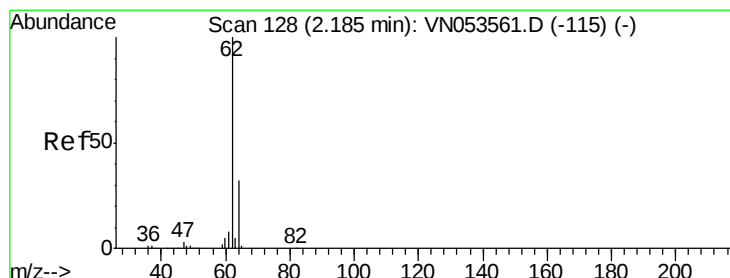
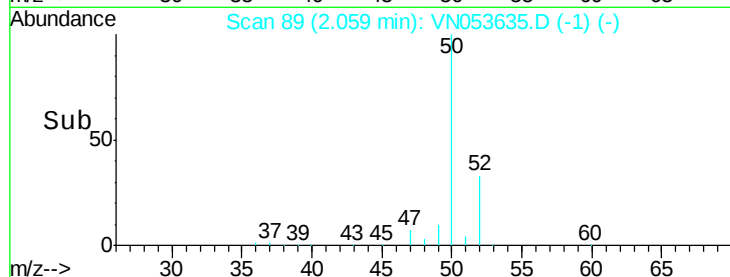
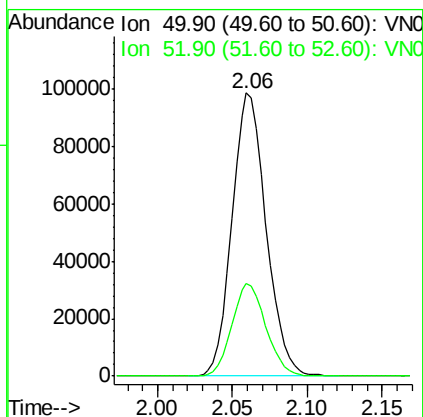
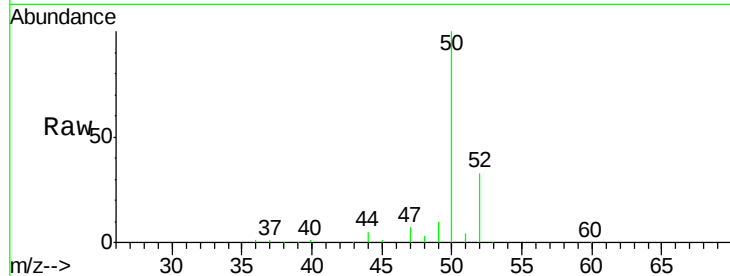




#3
Chloromethane
Concen: 21.339 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

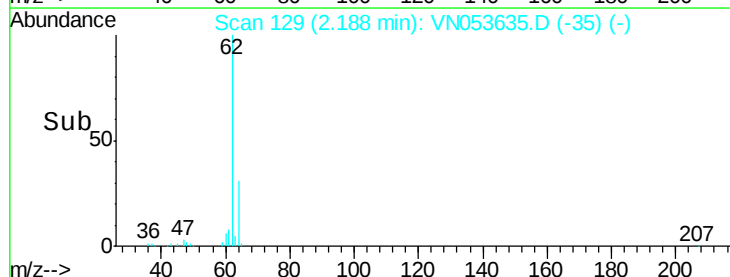
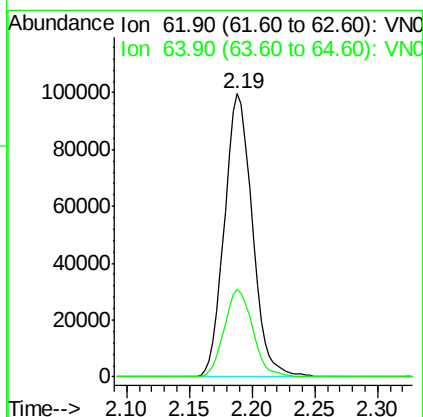
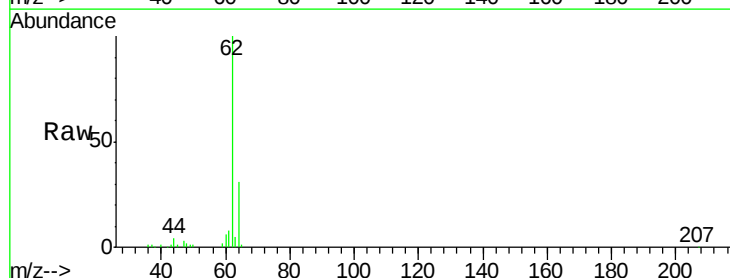
Instrument :
MSVOA_N
ClientSampled :
VN0206WBSD01

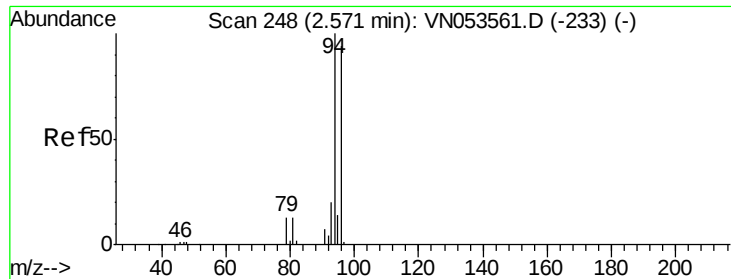
Tot Ion: 50 Resp: 156378
Ion Ratio Lower Upper
50 100
52 32.9 26.6 40.0



#4
Vinyl Chloride
Concen: 21.674 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 62 Resp: 154185
Ion Ratio Lower Upper
62 100
64 30.9 25.4 38.2





#5

Bromomethane

Concen: 21.930 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

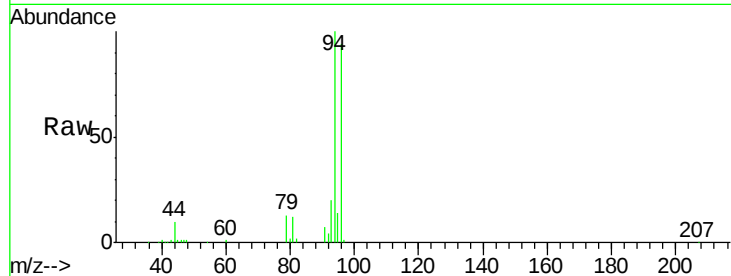
VN0206WBSD01

Tot Ion: 94 Resp: 102005

Ion Ratio Lower Upper

94 100

96 93.5 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

60000

50000

40000

30000

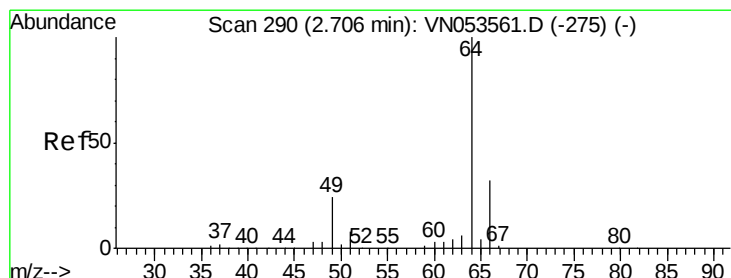
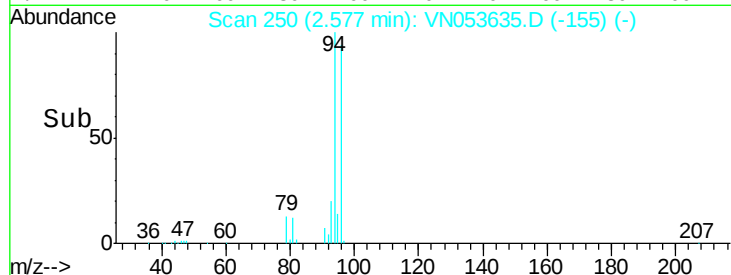
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.866 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053635.D

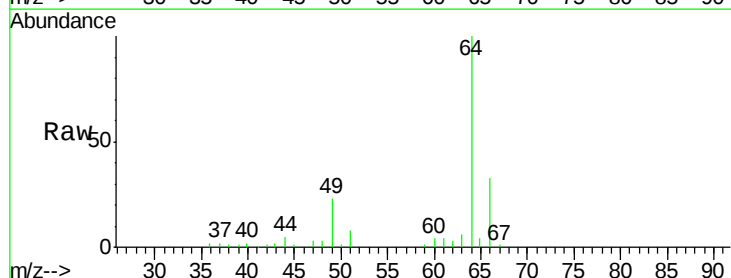
Acq: 6 Feb 2019 15:23

Tgt Ion: 64 Resp: 88891

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

50000

40000

30000

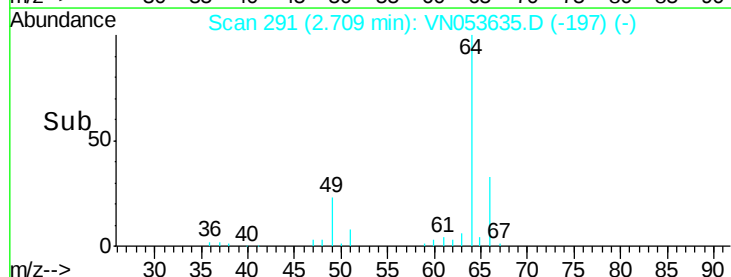
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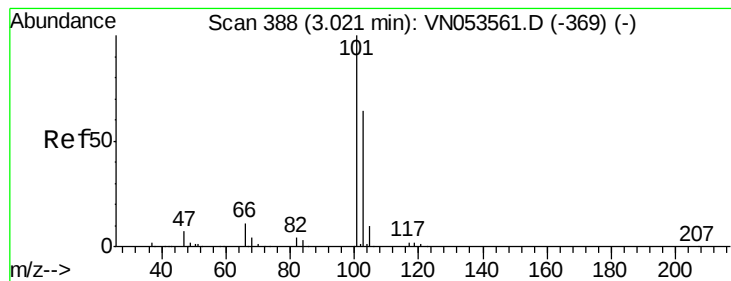
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Time-->

2.60 2.65 2.70 2.75 2.80



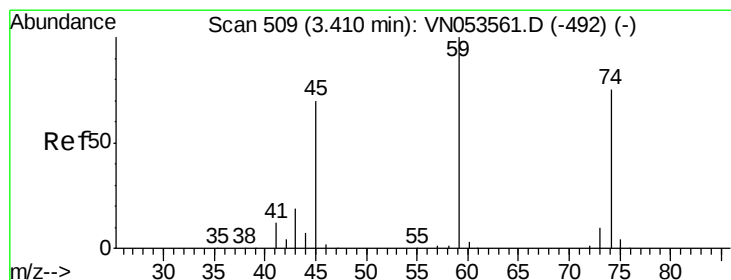
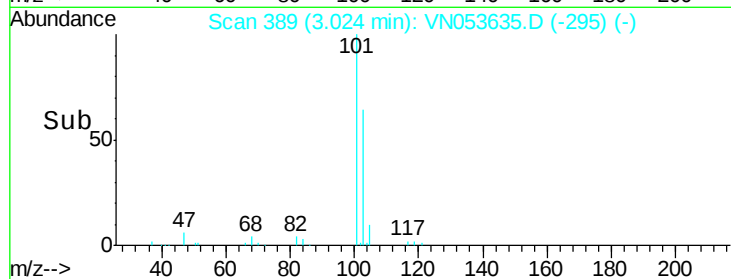
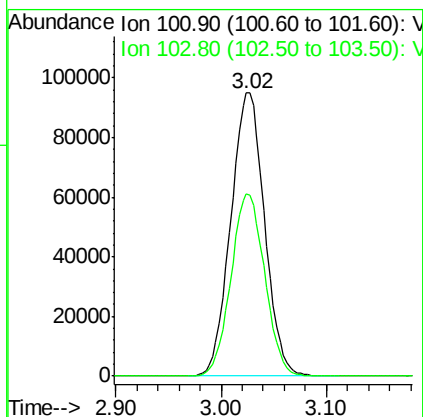
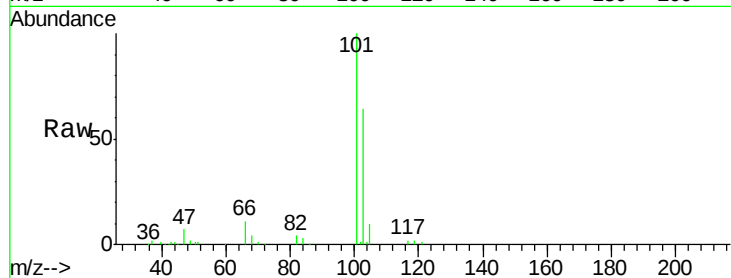


#7

Trichlorofluoromethane
 Concen: 21.850 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

Instrument :
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 ClientSampled :
 VN0206WBSD01

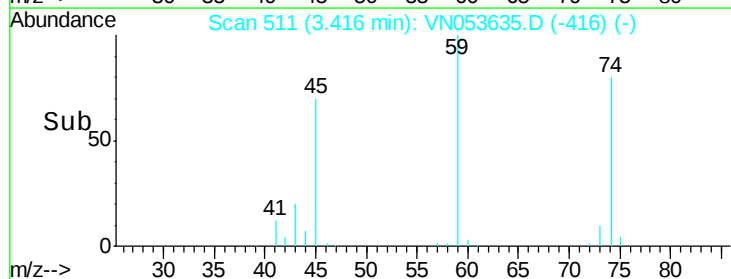
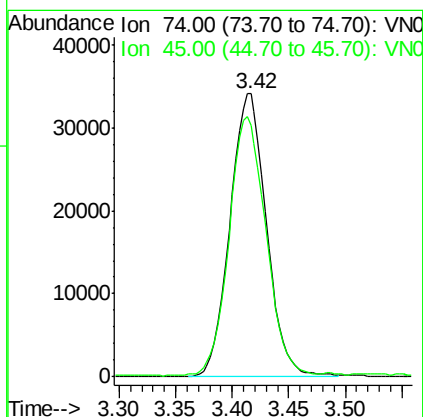
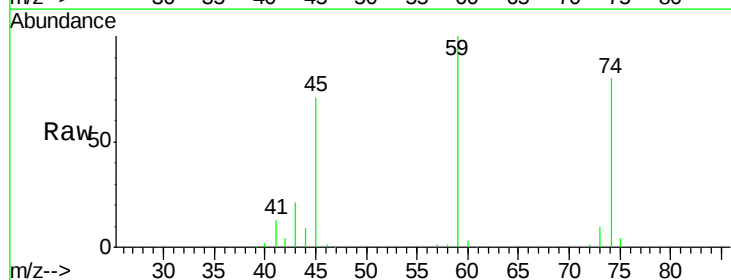
Tot Ion:101 Resp: 210788
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.6 77.4



#8

Diethyl Ether
 Concen: 21.697 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

Tgt Ion: 74 Resp: 76440
 Ion Ratio Lower Upper
 74 100
 45 94.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.181 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

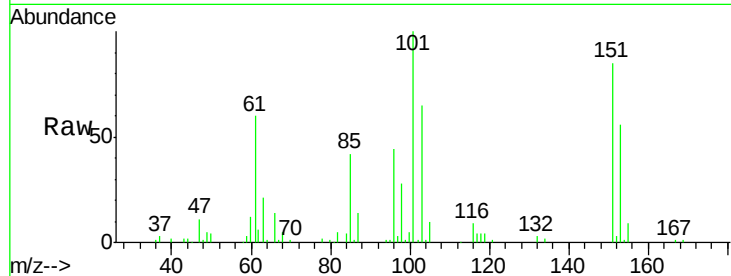
Tot Ion:101 Resp: 126372

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

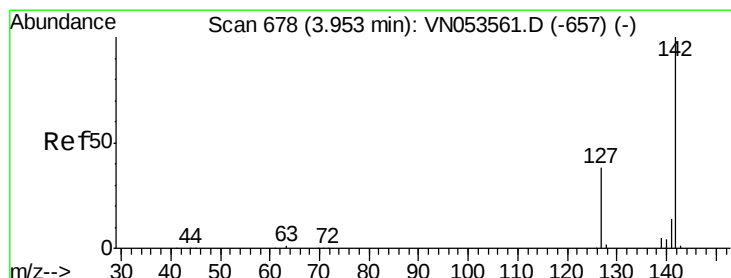
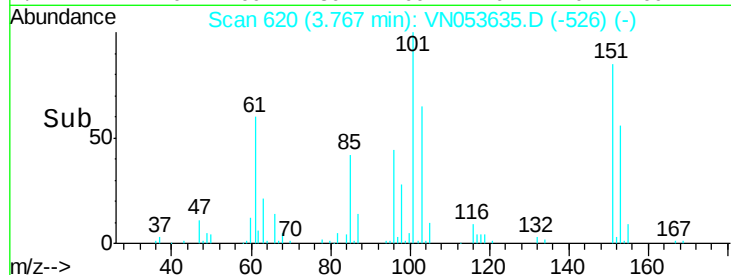
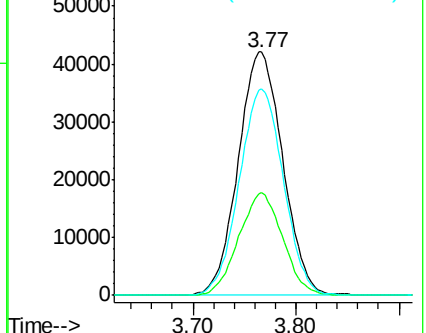
151 84.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.118 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

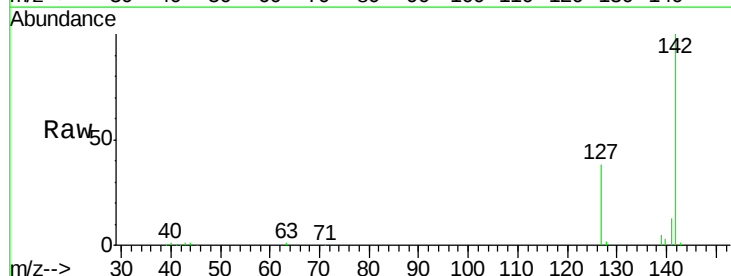
Tgt Ion:142 Resp: 197755

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

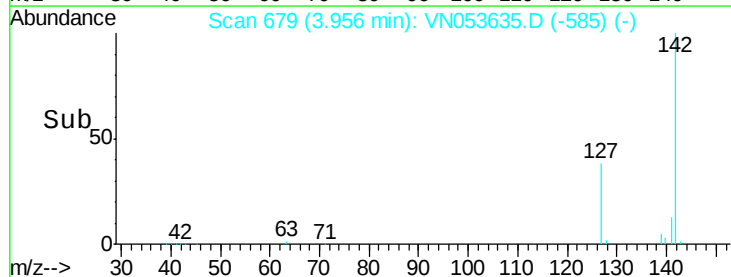
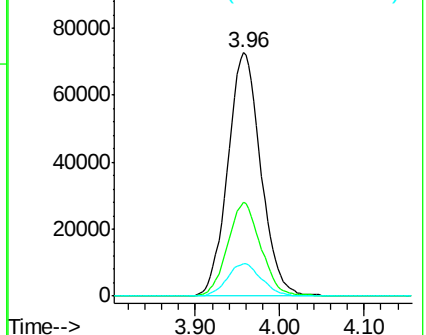
141 13.9 11.1 16.7

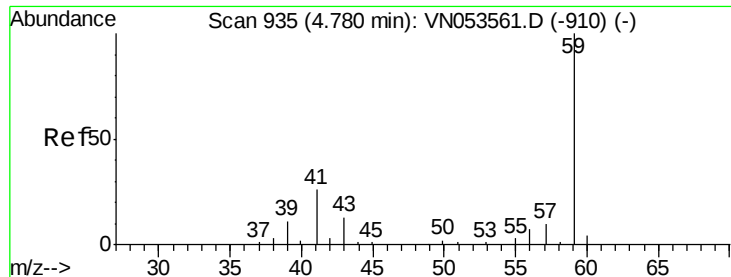


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

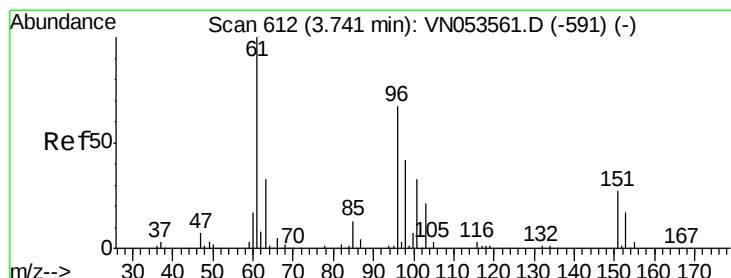
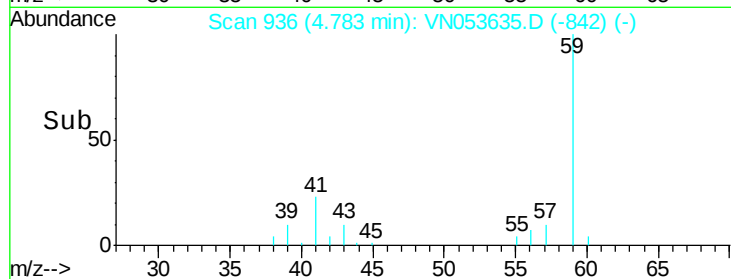
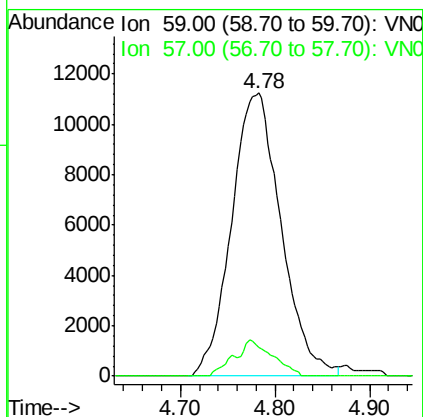
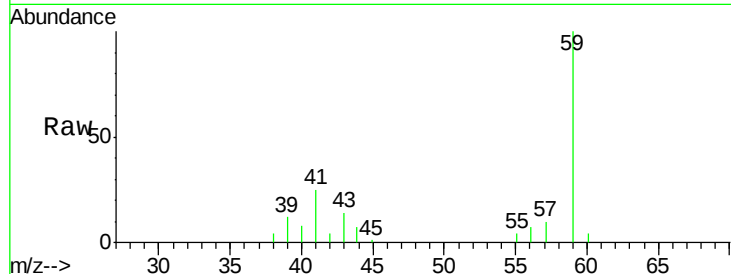




#11
Tert butyl alcohol
Concen: 111.684 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

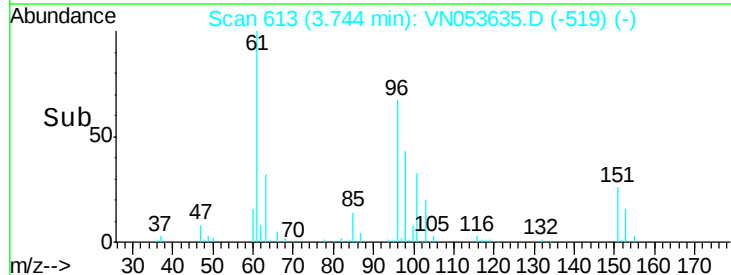
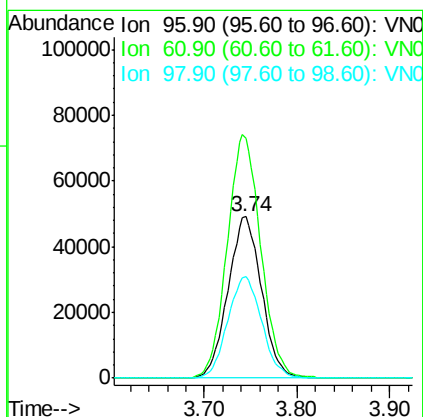
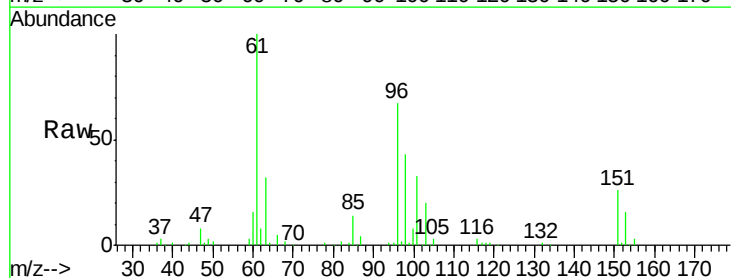
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

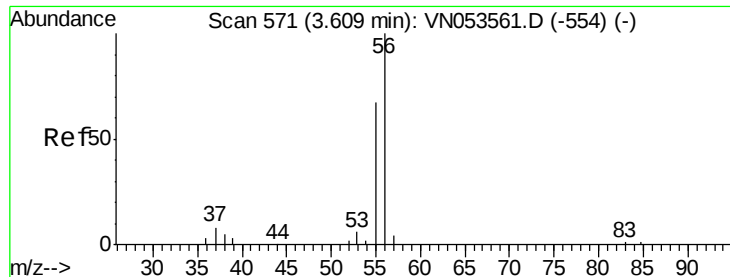
Tot Ion: 59 Resp: 40930
Ion Ratio Lower Upper
59 100
57 7.6 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 21.533 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 96 Resp: 123083
Ion Ratio Lower Upper
96 100
61 148.3 122.9 184.3
98 63.2 49.4 74.0





#13

Acrolein

Concen: 142.803 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

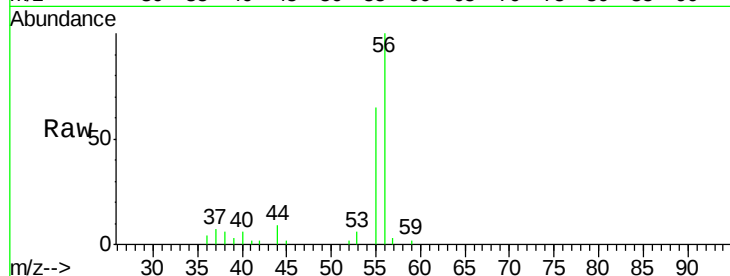
VN0206WBSD01

Tot Ion: 56 Resp: 28494

Ion Ratio Lower Upper

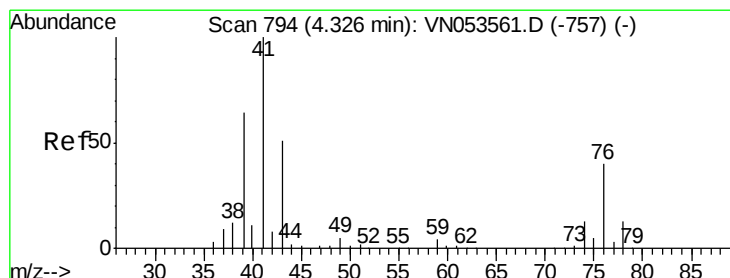
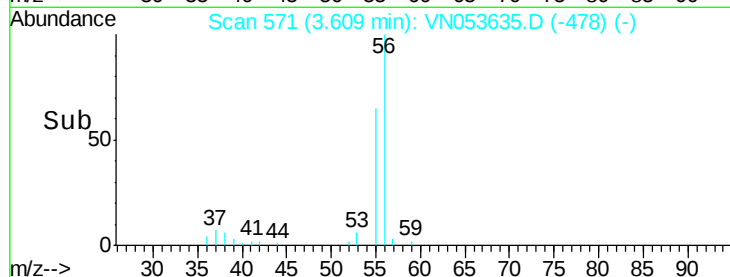
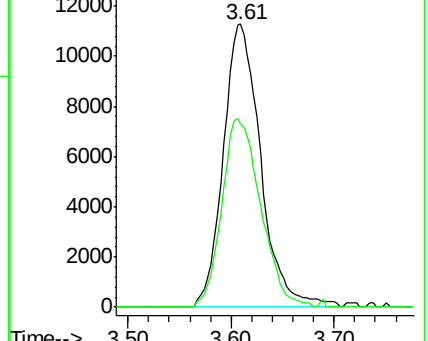
56 100

55 69.0 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.071 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

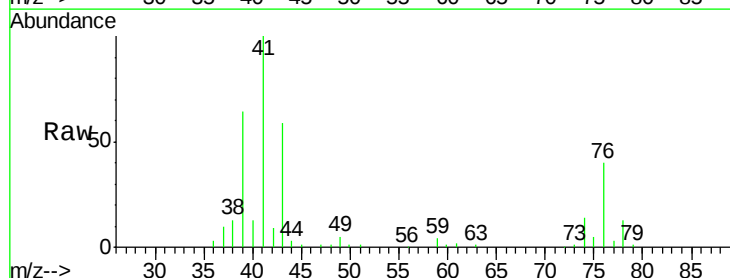
Tgt Ion: 41 Resp: 191771

Ion Ratio Lower Upper

41 100

39 61.8 48.9 73.3

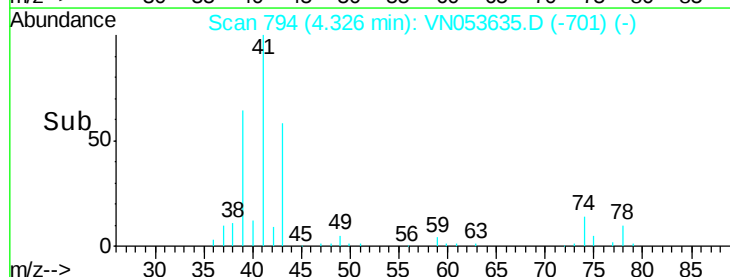
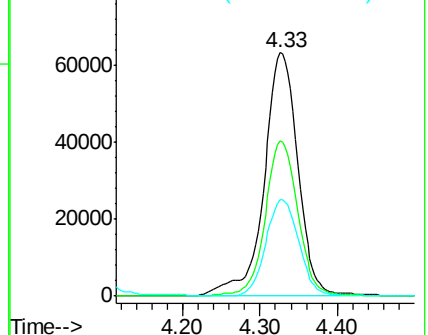
76 38.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.516 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

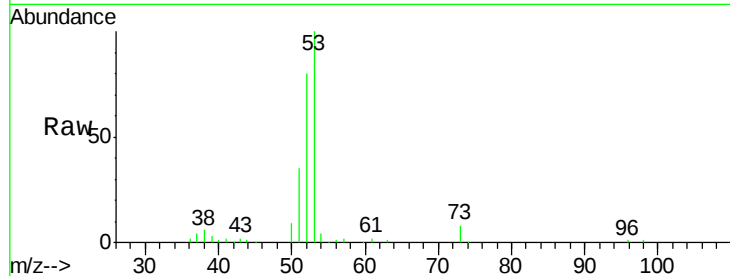
Tot Ion: 53 Resp: 220629

Ion Ratio Lower Upper

53 100

52 81.9 66.0 99.0

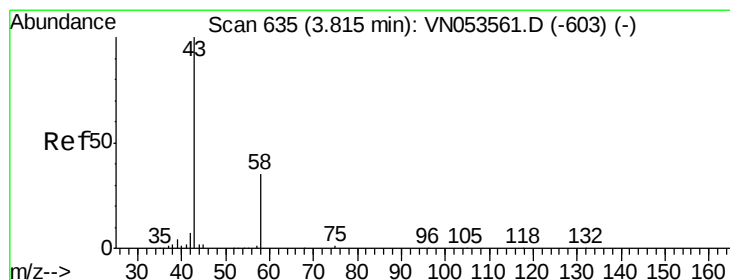
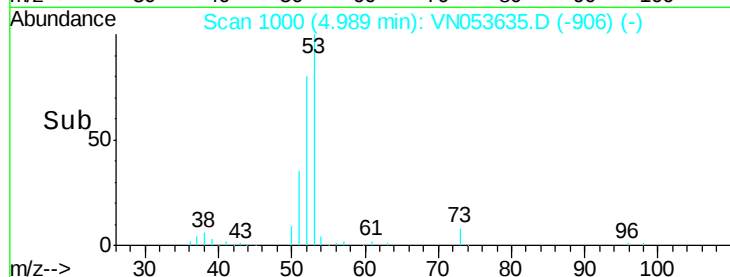
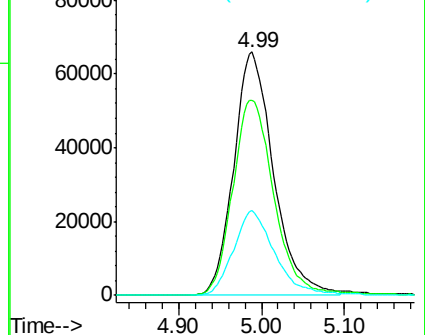
51 36.1 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.804 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053635.D

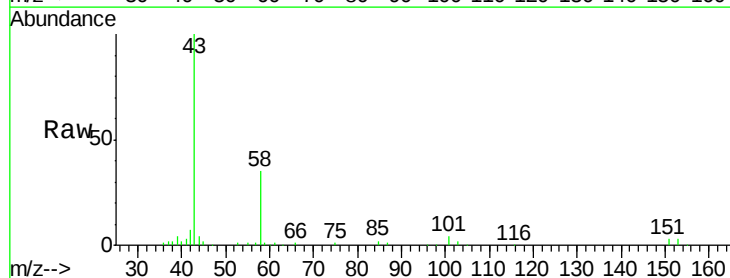
Acq: 6 Feb 2019 15:23

Tgt Ion: 43 Resp: 147407

Ion Ratio Lower Upper

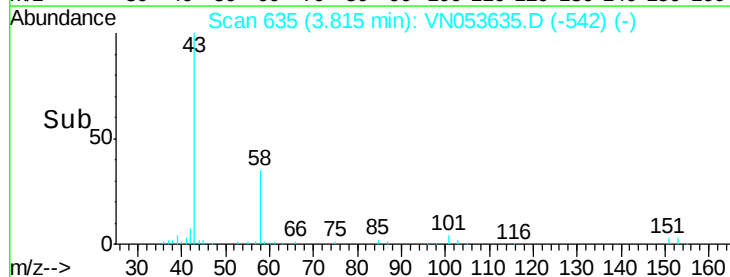
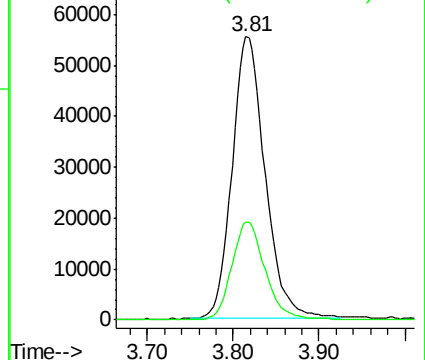
43 100

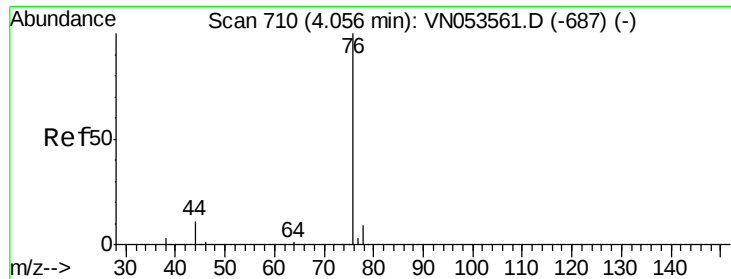
58 34.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

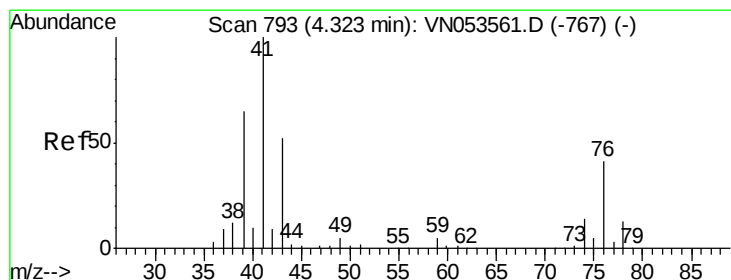
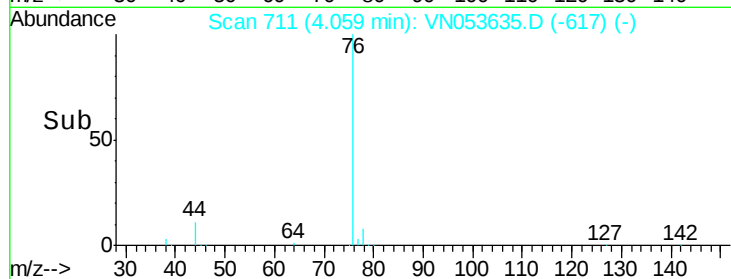
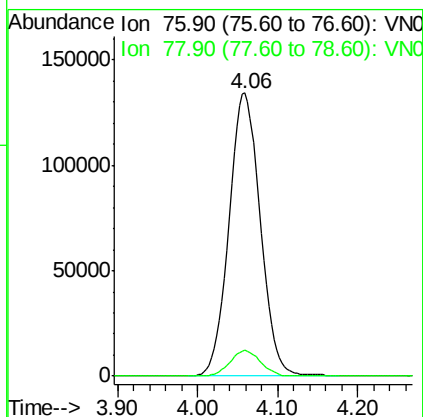
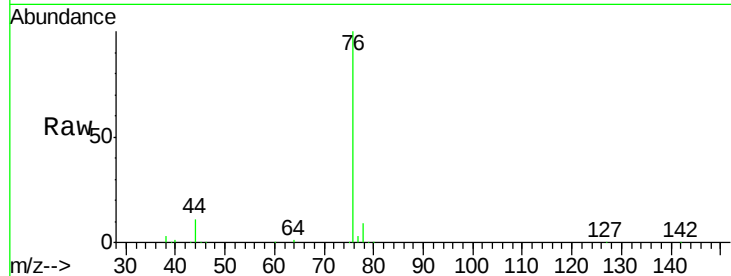




#17
Carbon Disulfide
Concen: 20.005 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

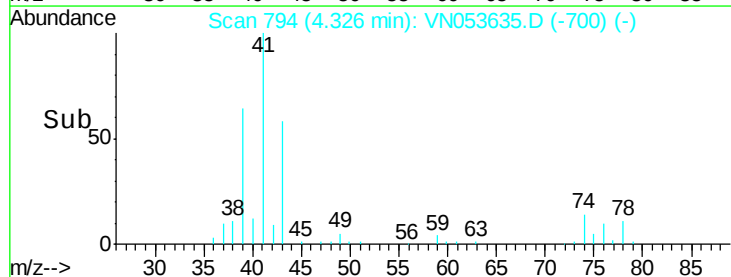
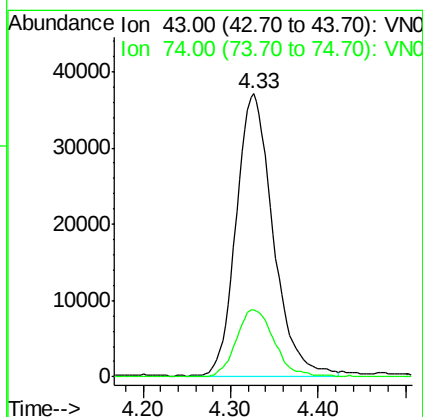
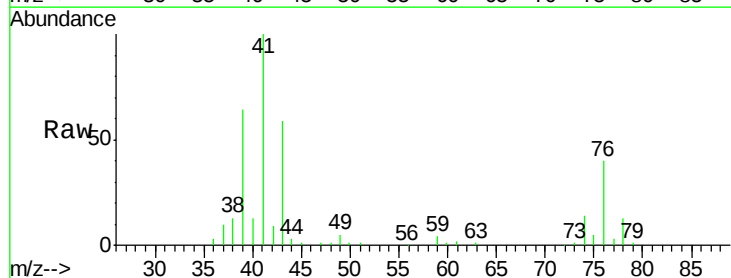
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

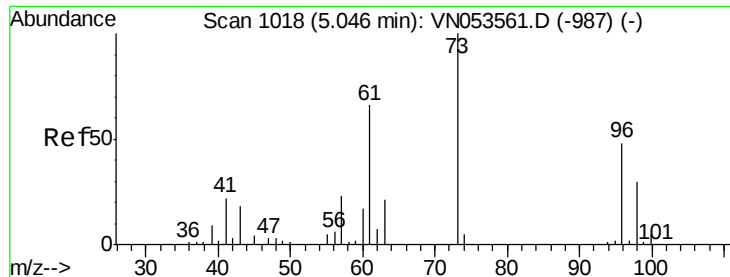
Tot Ion: 76 Resp: 356056
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 23.293 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 43 Resp: 109571
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2

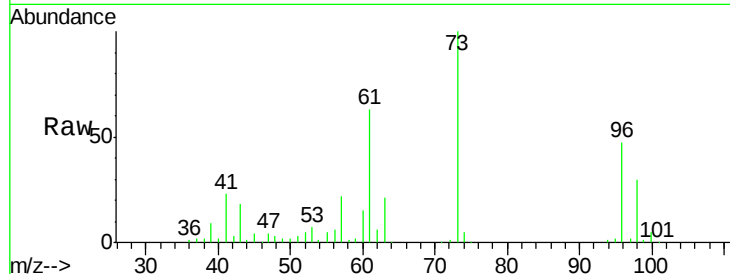




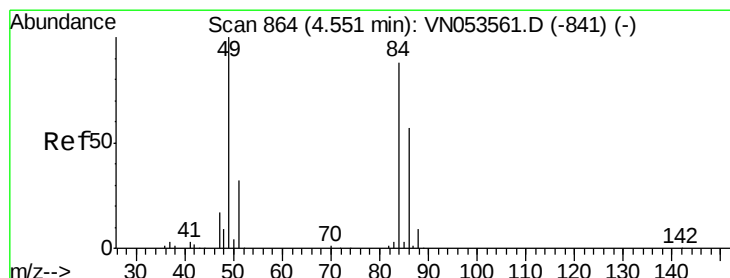
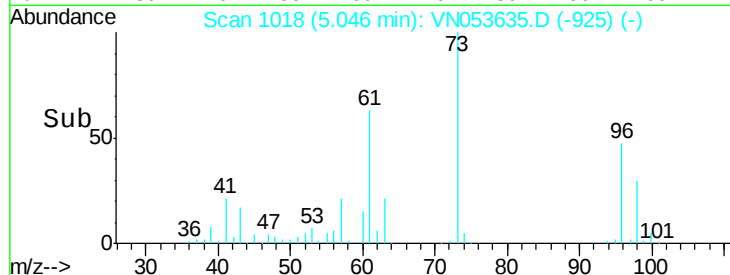
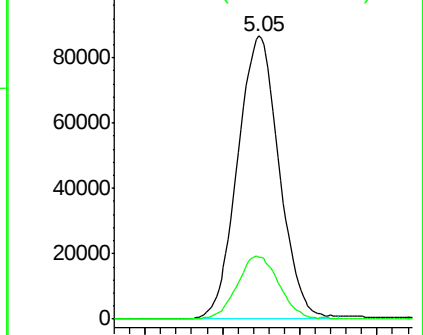
#19
Methvl tert-butvl Ether
Concen: 22.429 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 73 Resp: 325010
Ion Ratio Lower Upper
73 100
57 21.9 18.3 27.5

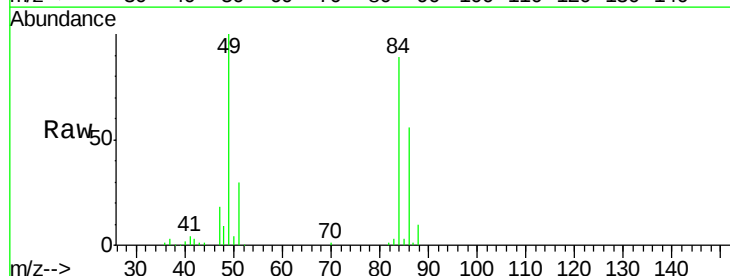


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

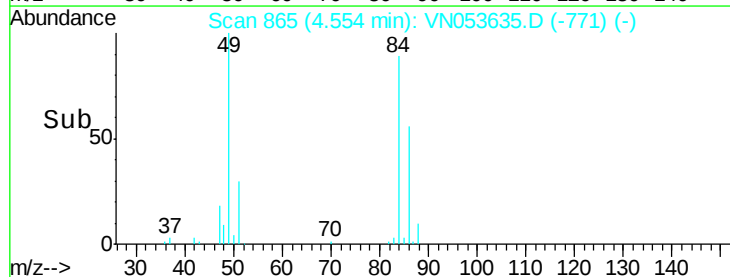
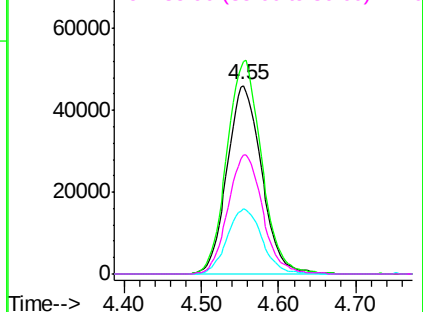


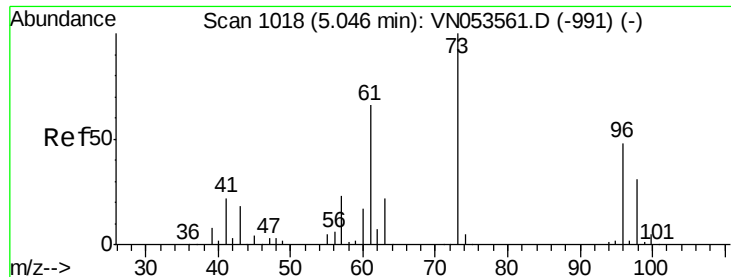
#20
Methylene Chloride
Concen: 21.441 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 84 Resp: 142877
Ion Ratio Lower Upper
84 100
49 112.9 94.3 141.5
51 34.4 29.4 44.2
86 63.3 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

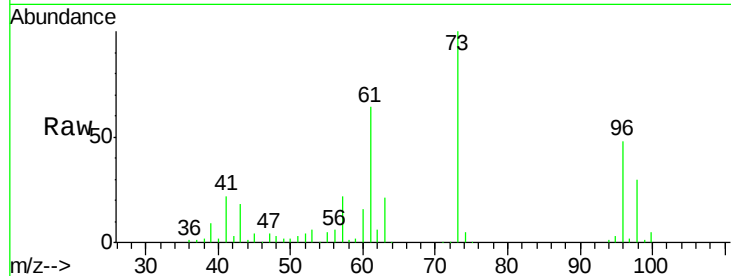




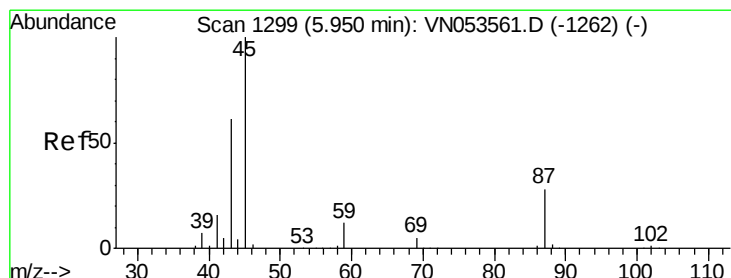
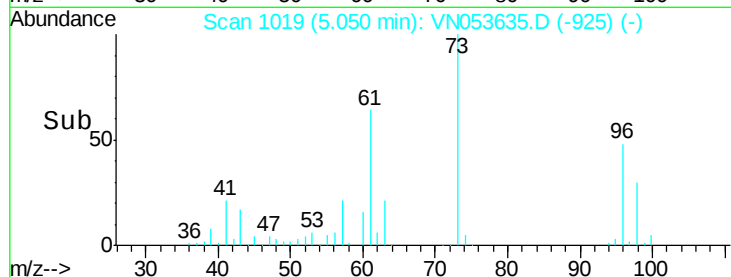
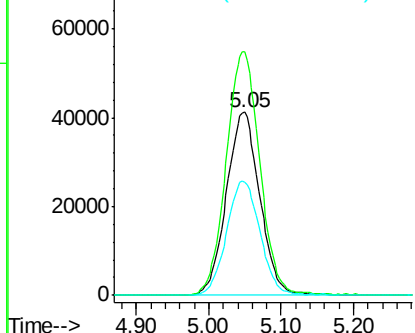
#21
trans-1,2-Dichloroethene
Concen: 21.438 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 96 Resp: 132204
Ion Ratio Lower Upper
96 100
61 133.0 110.1 165.1
98 62.0 50.0 75.0

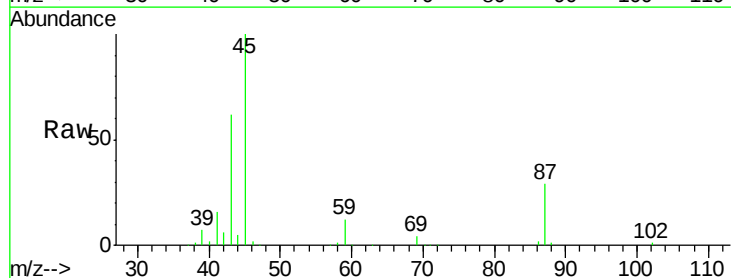


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

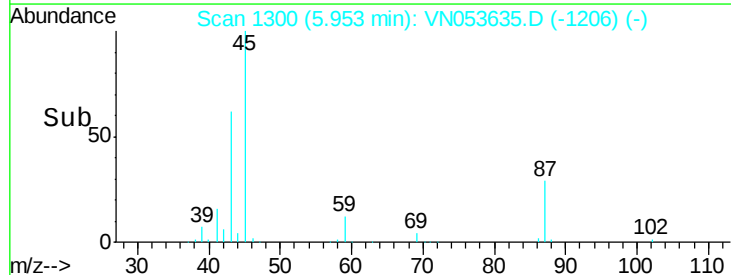
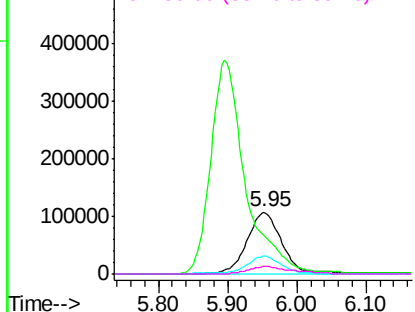


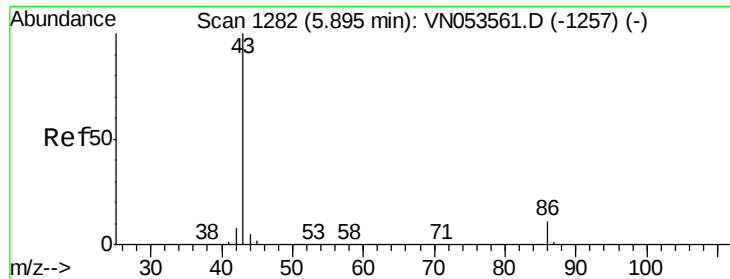
#22
Diisopropyl ether
Concen: 22.125 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 45 Resp: 373106
Ion Ratio Lower Upper
45 100
43 58.7 44.2 66.4
87 27.9 22.7 34.1
59 11.8 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 110.796 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleID :

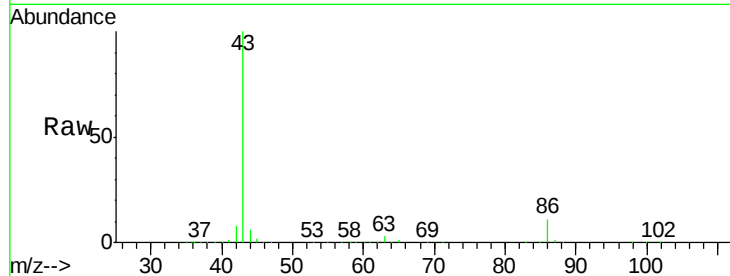
VN0206WBSD01

Tot Ion: 43 Resp: 1292565

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

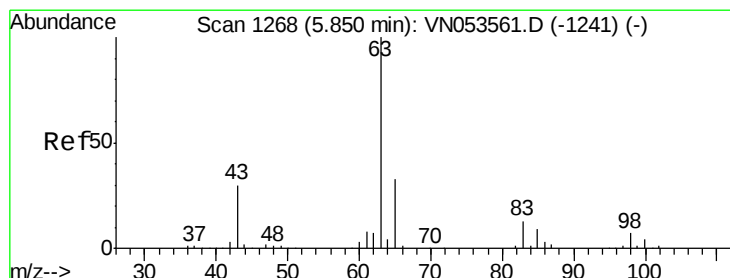
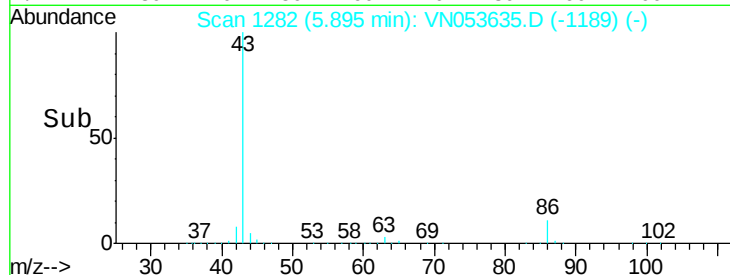
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.765 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

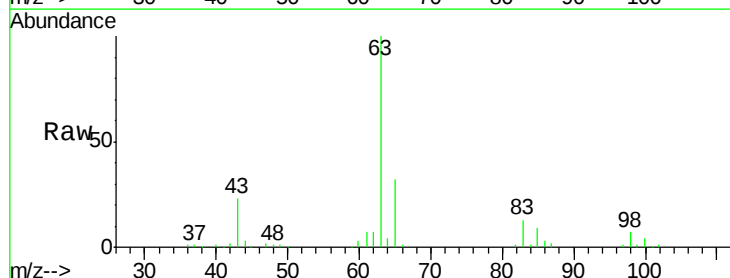
Tgt Ion: 63 Resp: 244816

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 3.9 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

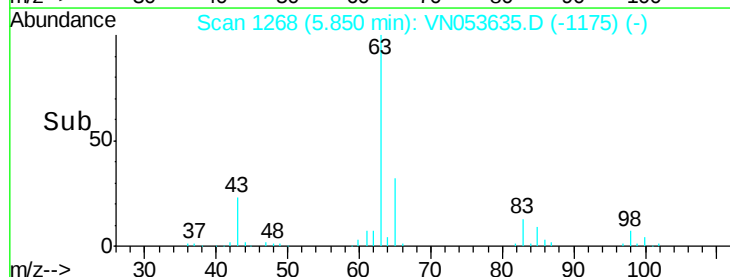
60000

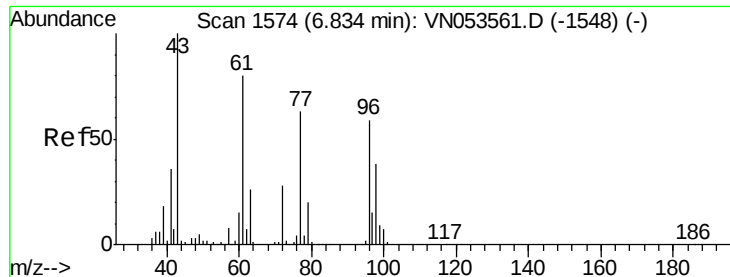
40000

20000

0

Time-->





#25

2-Butanone

Concen: 105.176 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

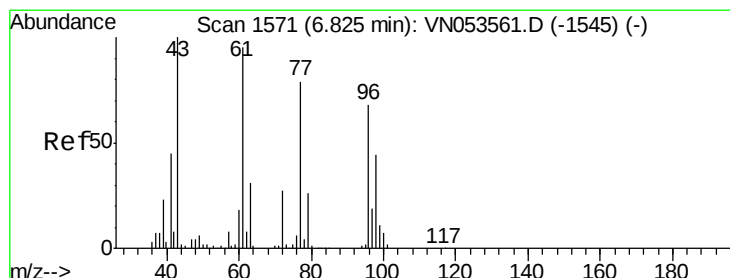
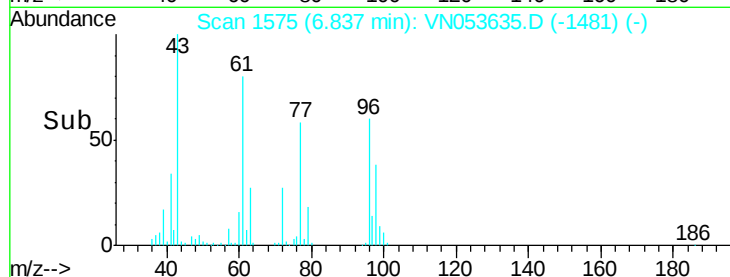
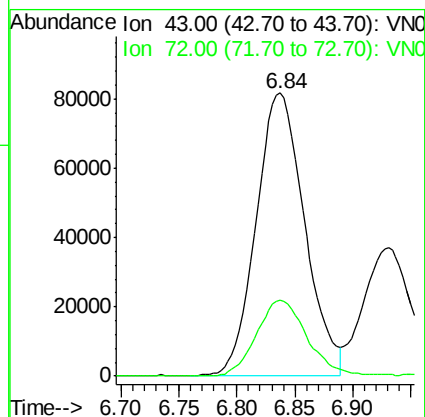
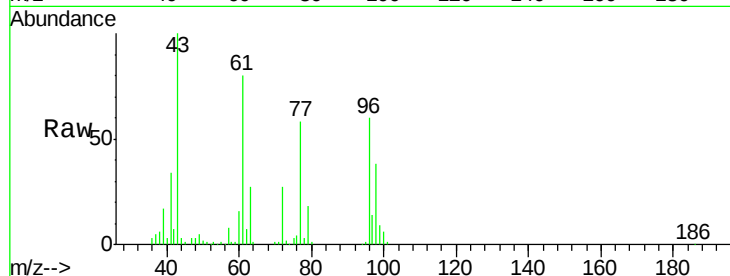
VN0206WBSD01

Tot Ion: 43 Resp: 238262

Ion Ratio Lower Upper

43 100

72 26.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.017 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053635.D

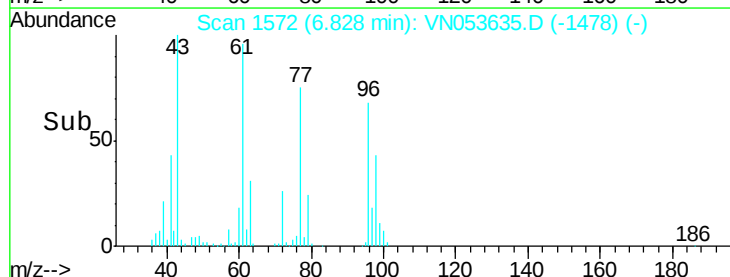
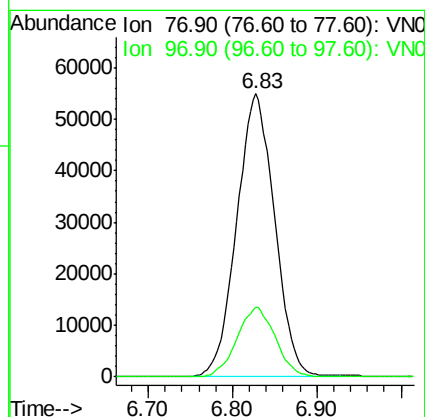
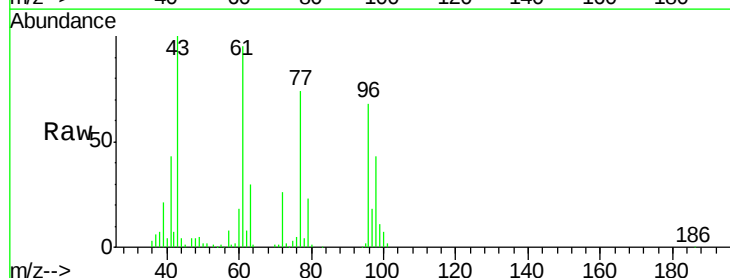
Acq: 6 Feb 2019 15:23

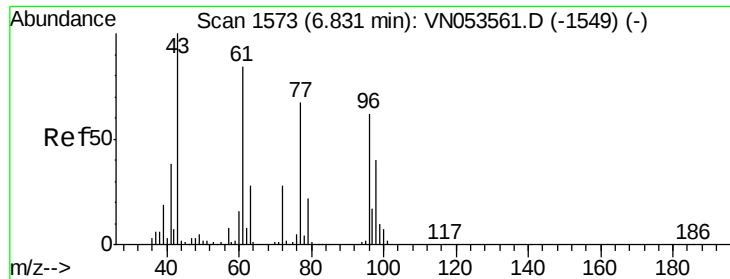
Tgt Ion: 77 Resp: 171873

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.818 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

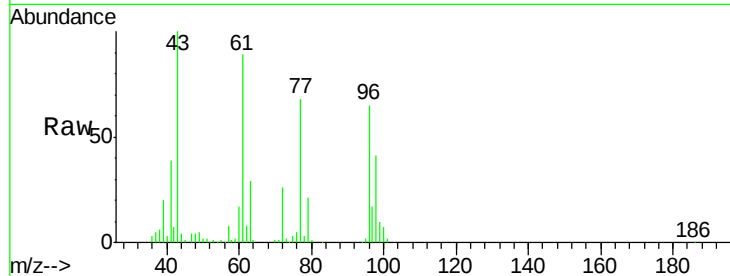
Tot Ion: 96 Resp: 149610

Ion Ratio Lower Upper

96 100

61 138.9 0.0 283.8

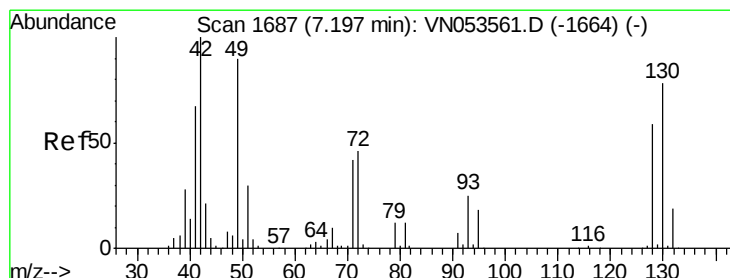
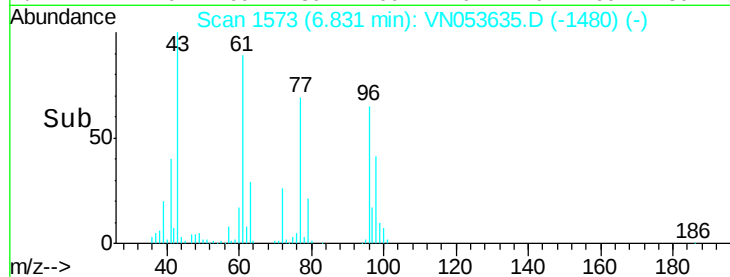
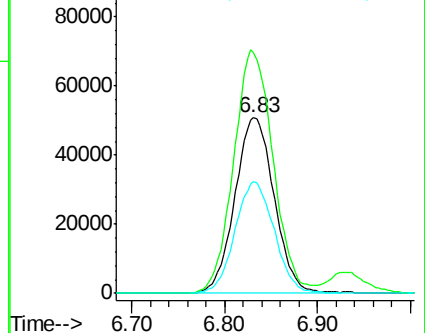
98 63.6 0.0 129.2



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



#28

Bromochloromethane

Concen: 21.491 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

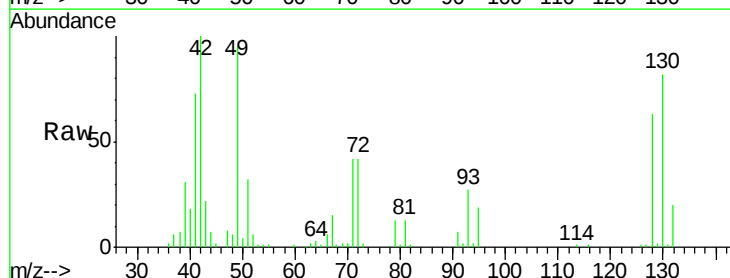
Tgt Ion: 49 Resp: 104900

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

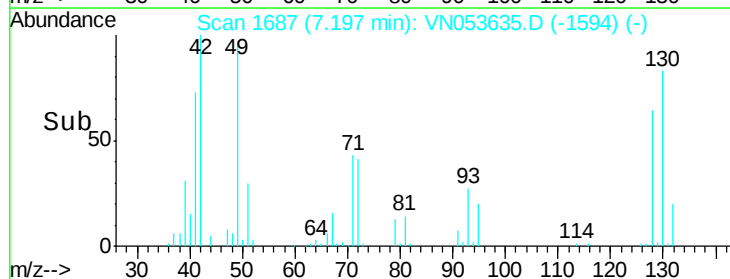
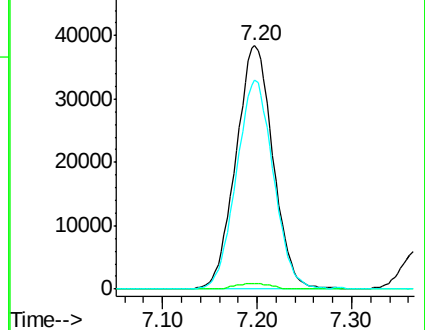
130 85.7 66.3 99.5

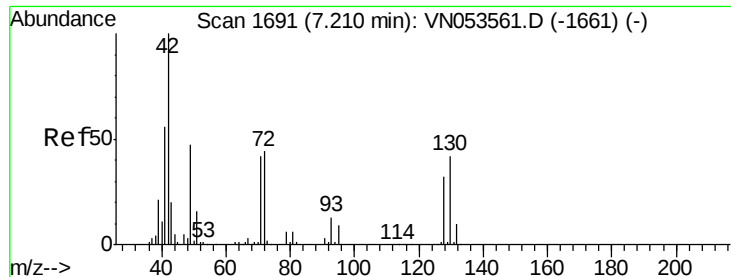


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

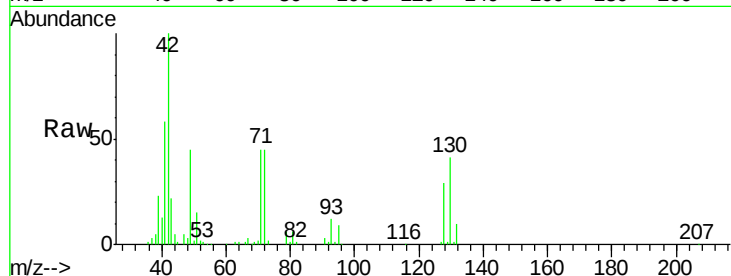




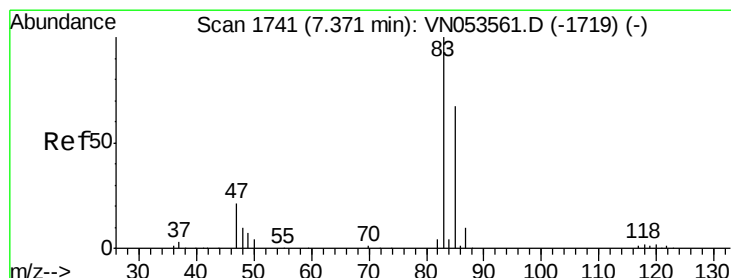
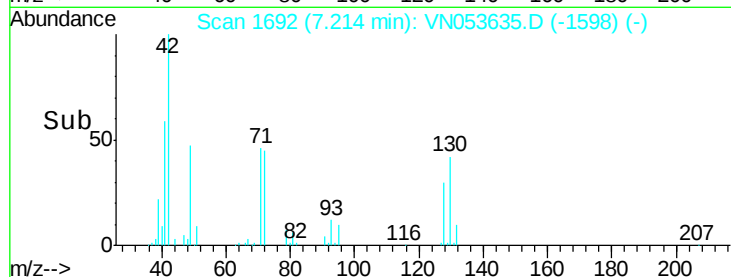
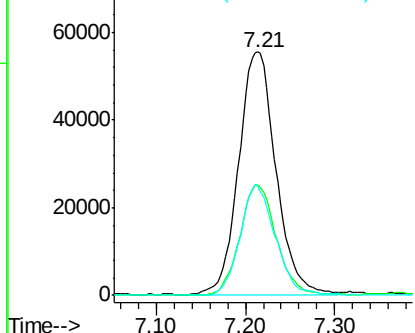
#29
Tetrahydrofuran
Concen: 110.298 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0206WBSD01

Tot Ion: 42 Resp: 160446
Ion Ratio Lower Upper
42 100
72 44.8 35.2 52.8
71 43.3 33.0 49.4

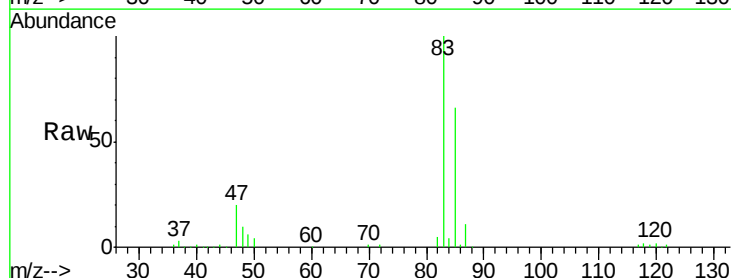


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

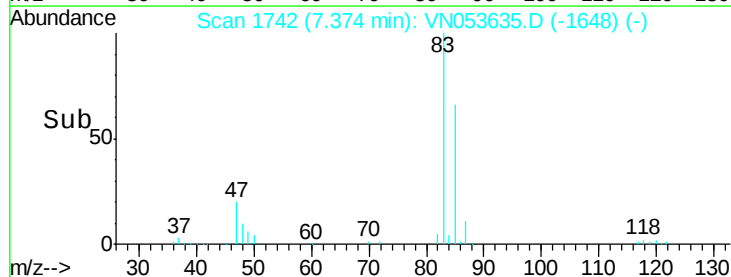
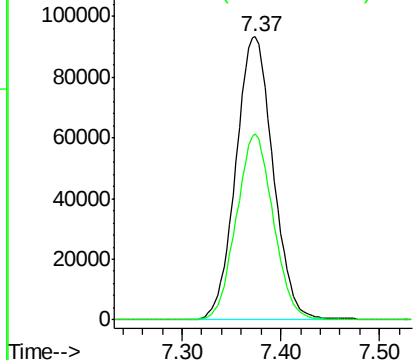


#30
Chloroform
Concen: 21.823 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 83 Resp: 243328
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.549 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0206WBSD01

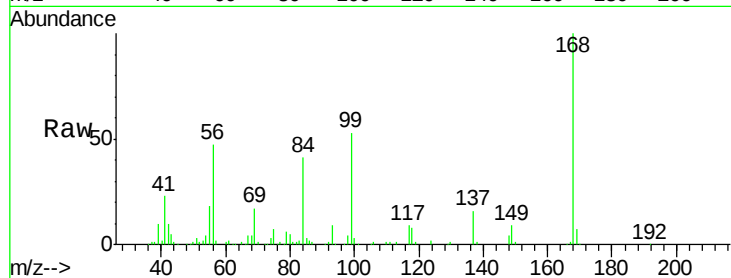
Tot Ion: 56 Resp: 216242

Ion Ratio Lower Upper

56 100

69 37.3 26.4 39.6

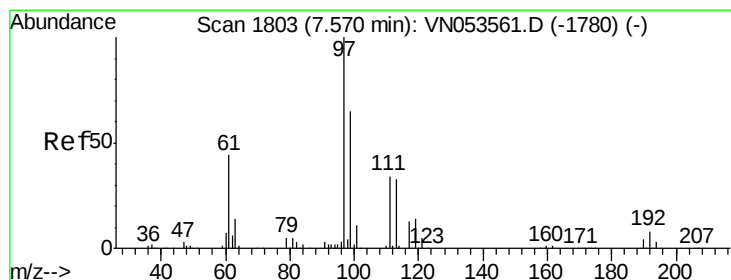
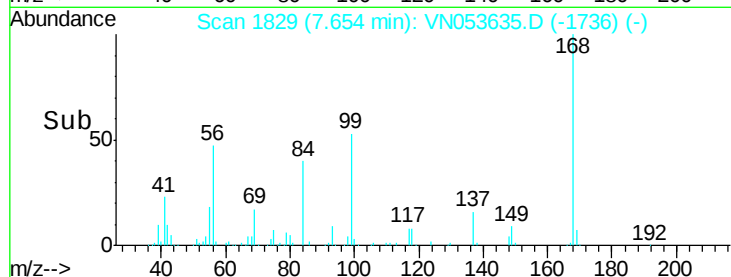
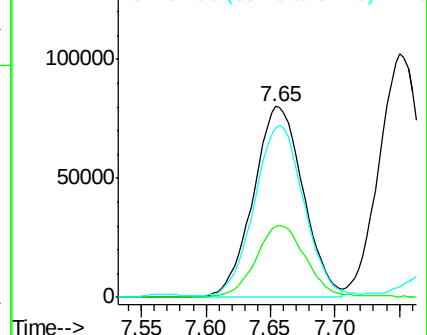
84 87.9 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.603 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

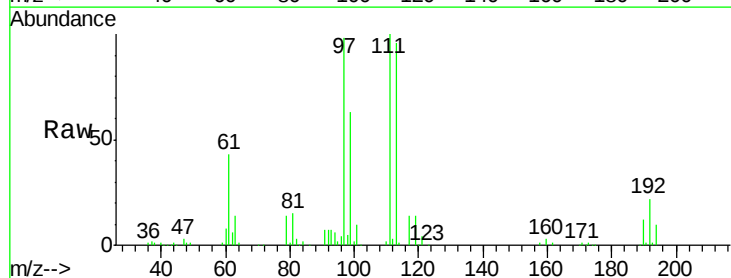
Tgt Ion: 97 Resp: 200459

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

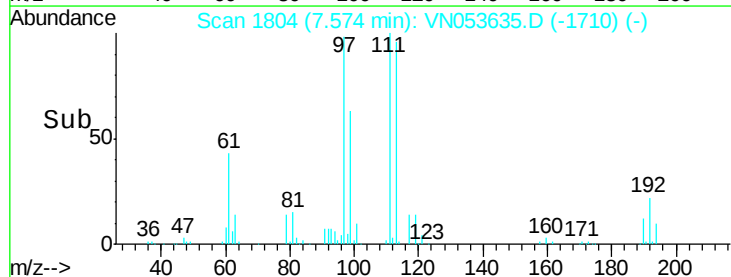
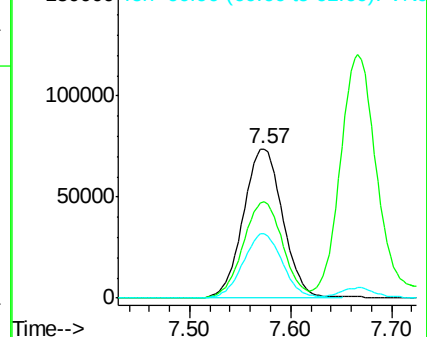
61 43.0 34.4 51.6

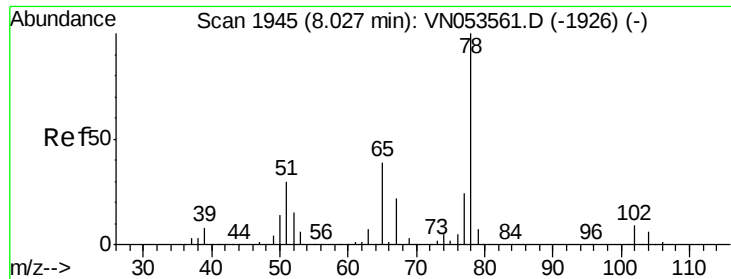


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 21.603 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

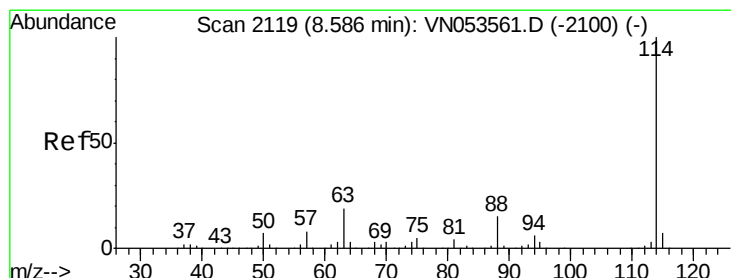
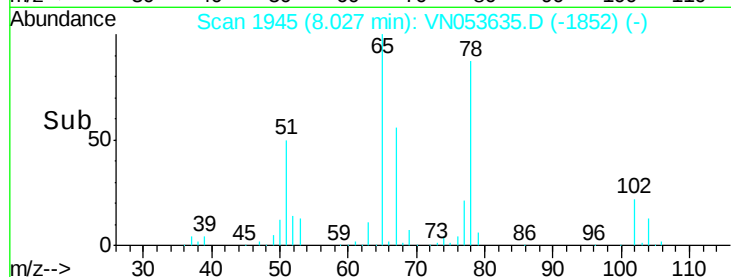
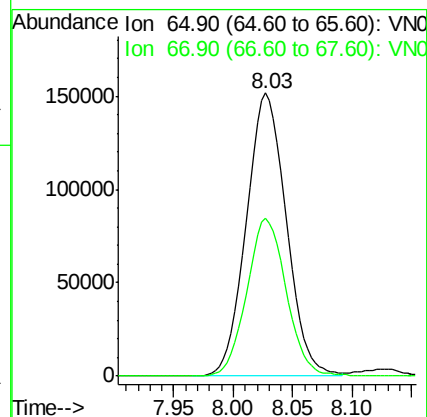
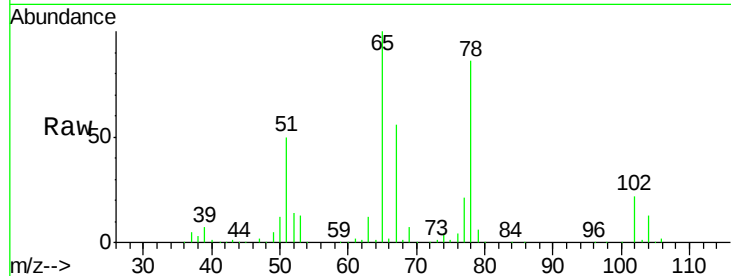
VN0206WBSD01

Tot Ion: 65 Resp: 353339

Ion Ratio Lower Upper

65 100

67 55.1 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

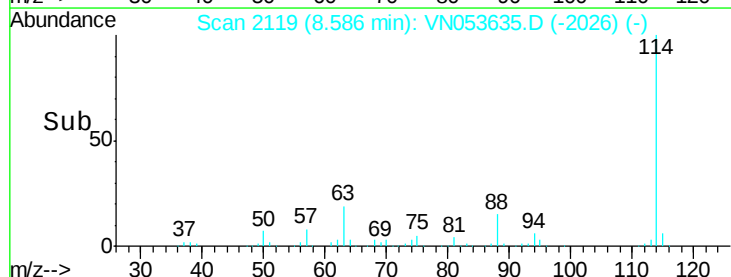
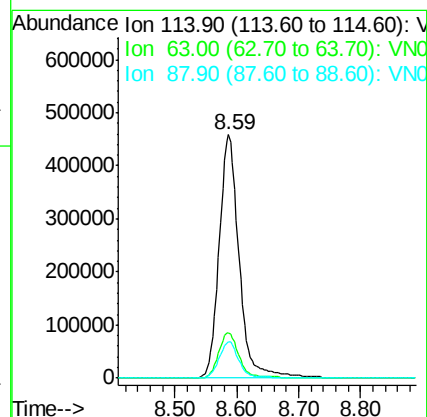
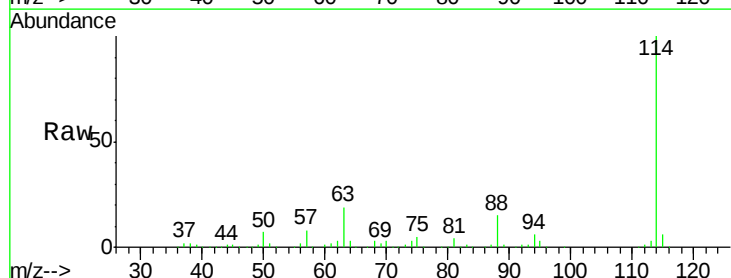
Tgt Ion: 114 Resp: 1030695

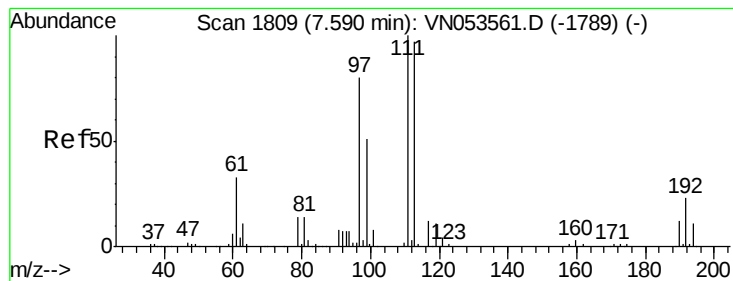
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0206WBSD01

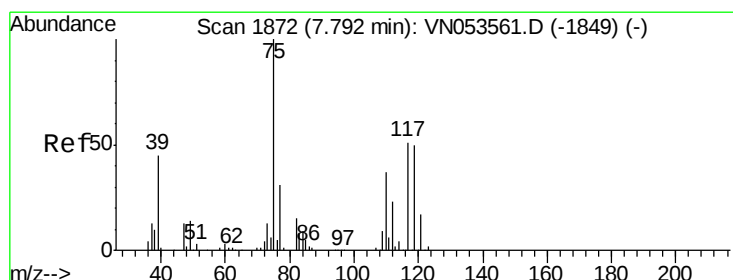
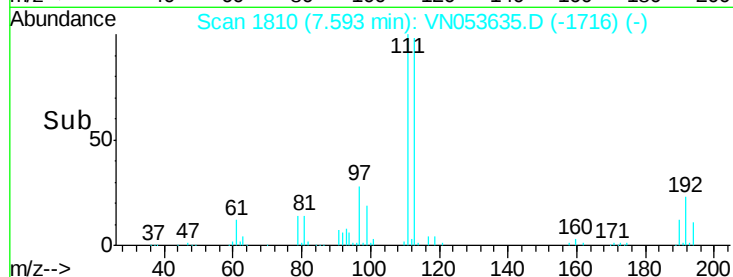
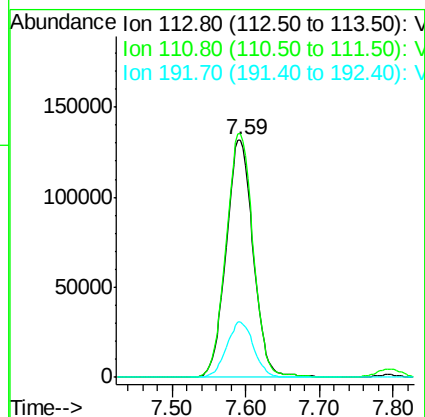
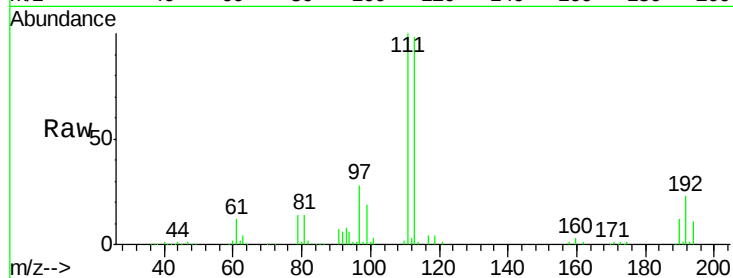
Tot Ion:113 Resp: 336180

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 23.2 18.2 27.2



#36

1,1-Dichloropropene

Concen: 18.520 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

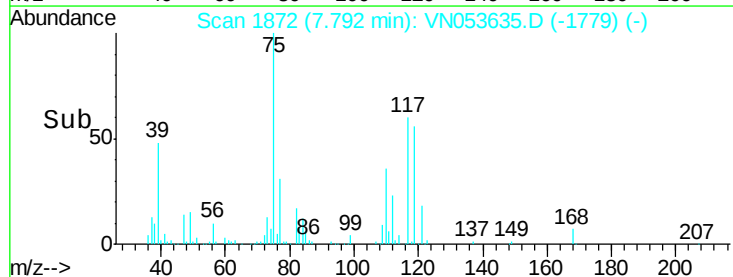
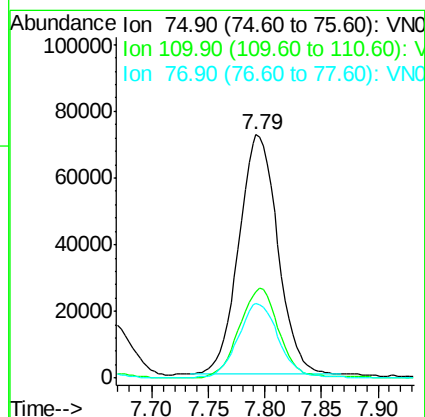
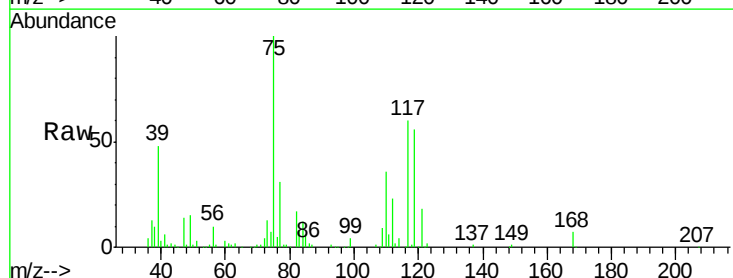
Tgt Ion: 75 Resp: 172072

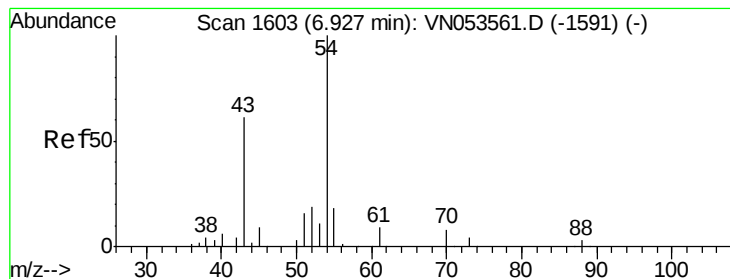
Ion Ratio Lower Upper

75 100

110 38.6 18.1 54.3

77 32.7 25.1 37.7





#37

Ethyl Acetate

Concen: 21.113 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

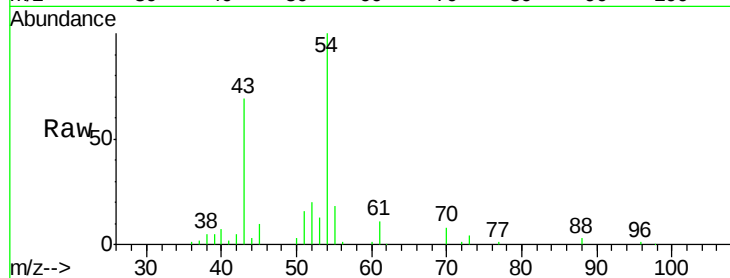
Tot Ion: 43 Resp: 109560

Ion Ratio Lower Upper

43 100

61 16.0 11.8 17.6

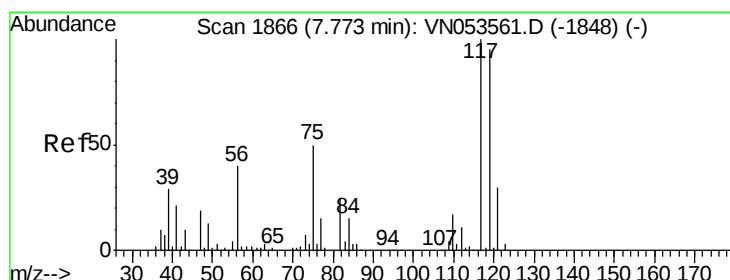
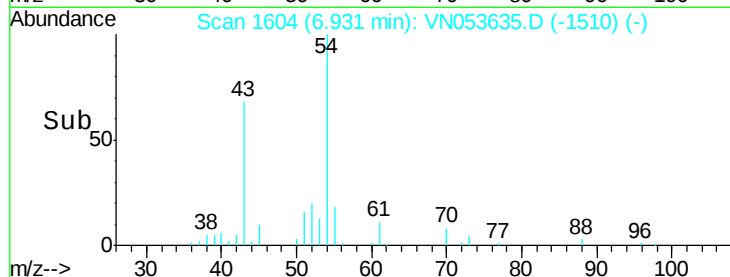
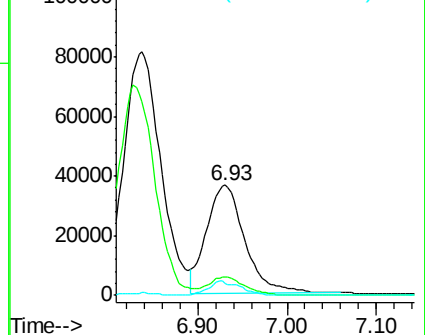
70 11.0 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN053635.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN053635.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053635.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 19.193 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

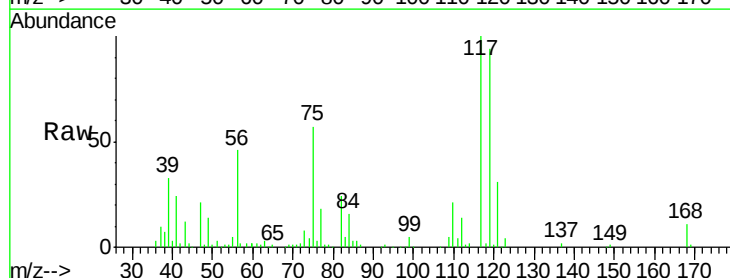
Tgt Ion: 117 Resp: 179643

Ion Ratio Lower Upper

117 100

119 93.9 77.2 115.8

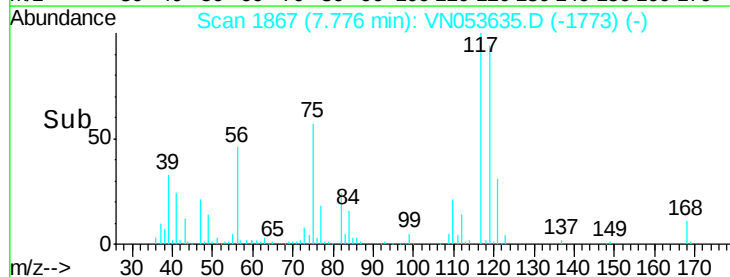
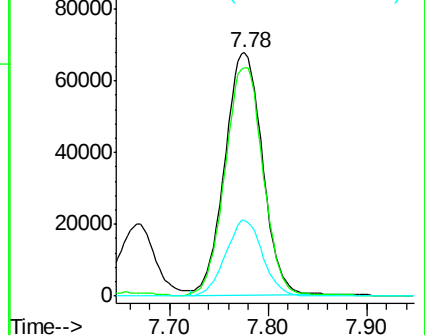
121 31.5 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): VN053635.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053635.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053635.D (-1773) (-)

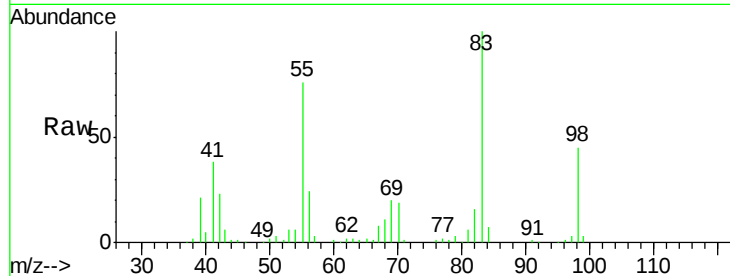




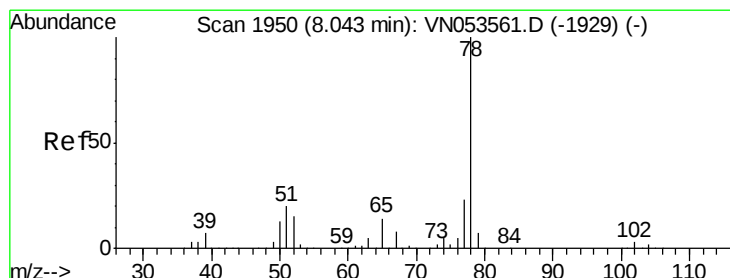
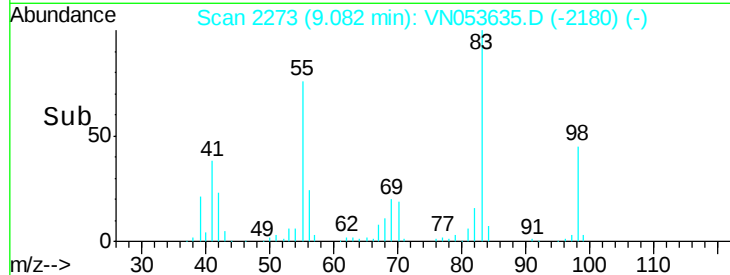
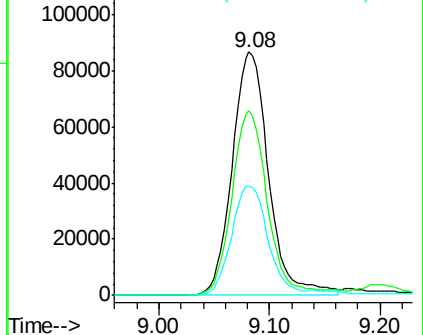
#39
Methvlcvclohexane
Concen: 17.981 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	83	Resp	198207
Ion Ratio	Lower	Upper	
83	100		
55	75.7	60.1	90.1
98	44.9	36.6	55.0

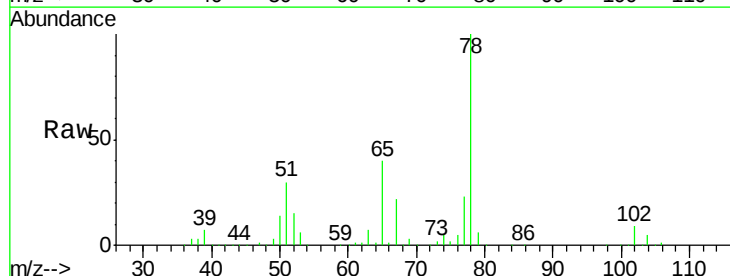


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

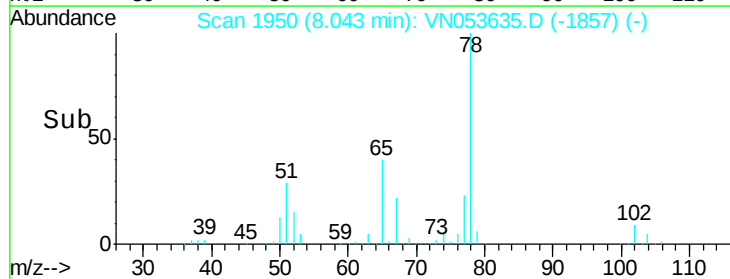
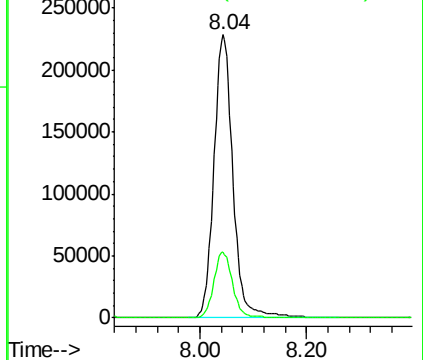


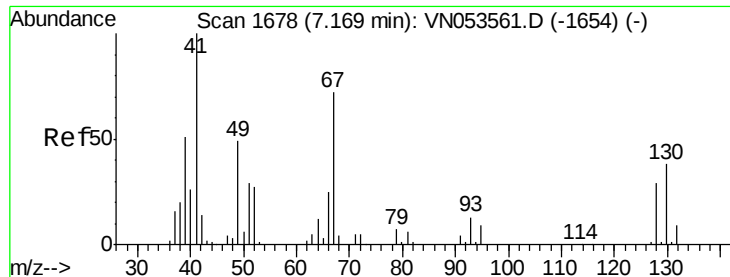
#40
Benzene
Concen: 19.734 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion	78	Resp	565411
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.8	28.2



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

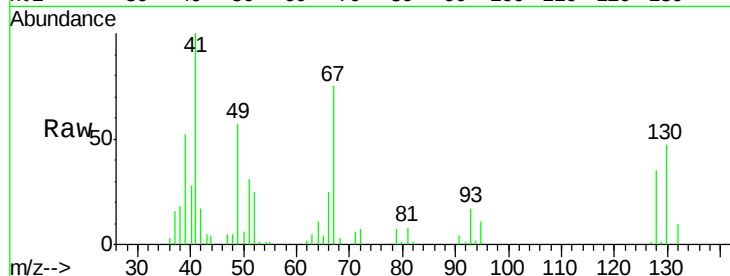




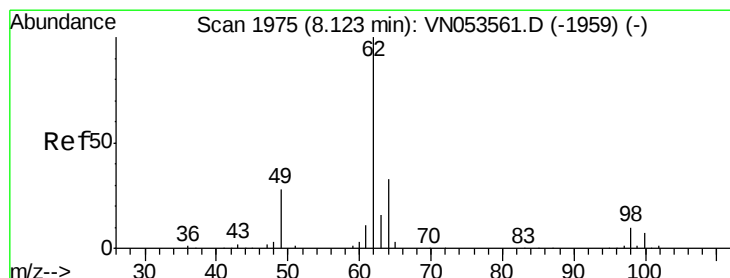
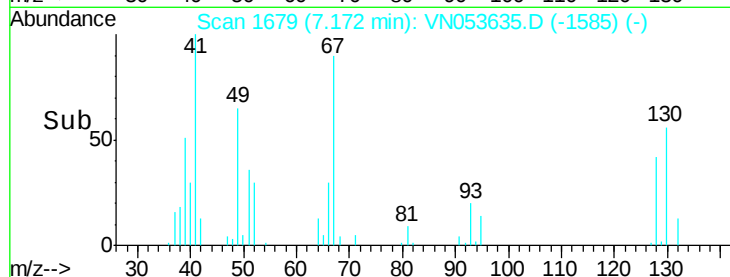
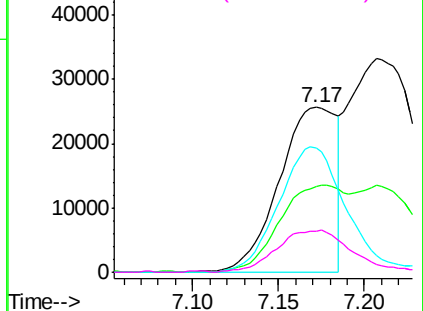
#41
Methacrylonitrile
Concen: 20.525 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 41 Resp: 59525
Ion Ratio Lower Upper
41 100
39 60.7 46.8 70.2
67 90.4 63.0 94.6
52 33.7 23.8 35.8

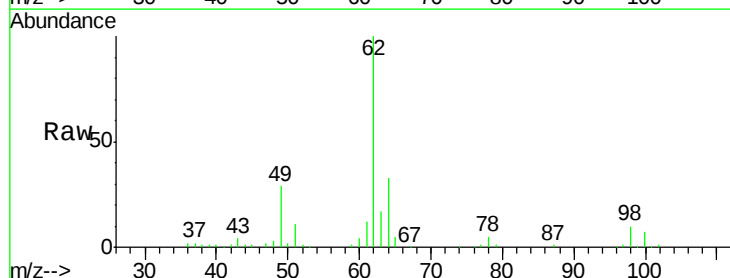


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

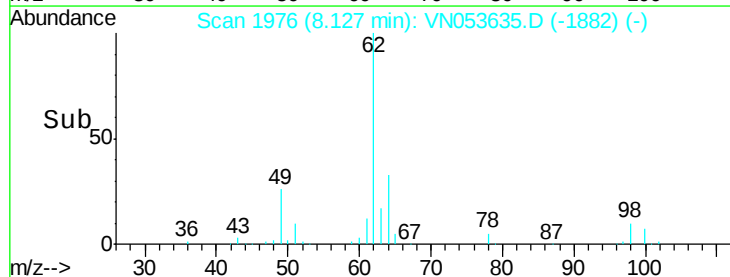
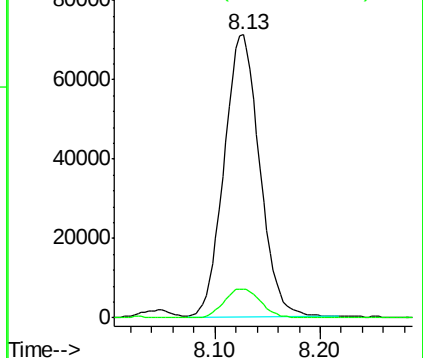


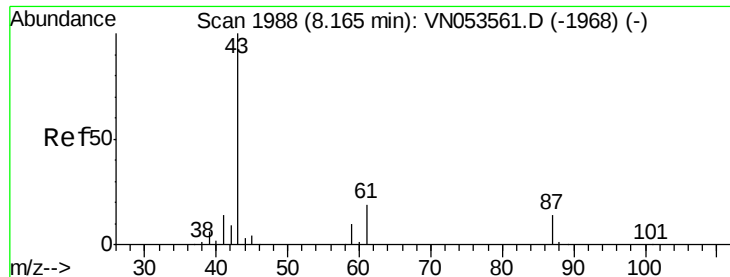
#42
1,2-Dichloroethane
Concen: 19.540 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 62 Resp: 166226
Ion Ratio Lower Upper
62 100
98 10.4 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 20.982 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

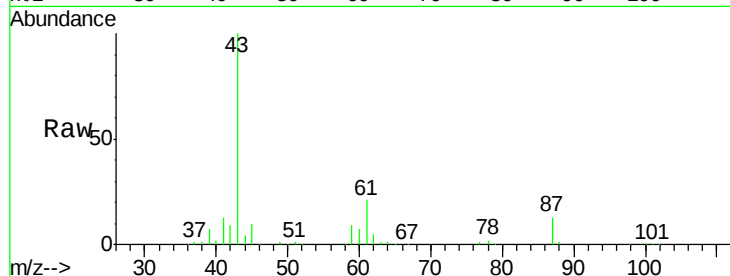
Tot Ion: 43 Resp: 210271

Ion Ratio Lower Upper

43 100

61 18.0 23.9 35.9#

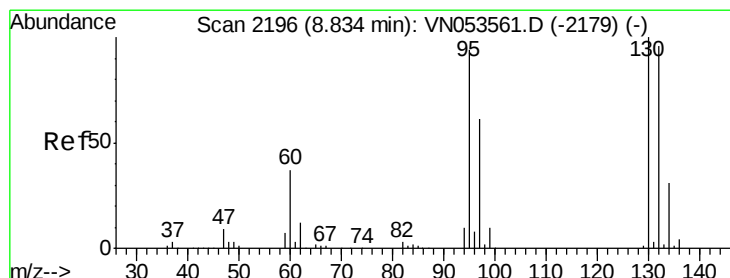
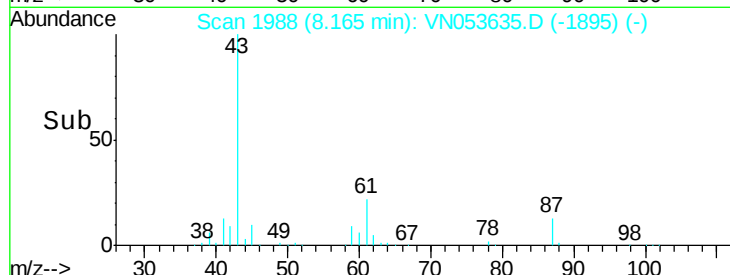
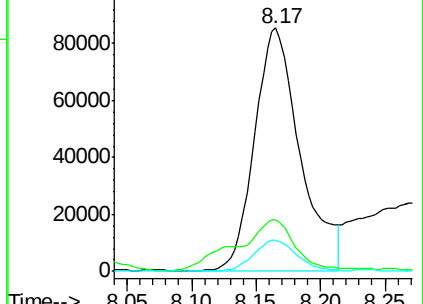
87 12.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053635.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN053635.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN053635.D (-2103) (-)



#44

Trichloroethene

Concen: 18.576 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053635.D

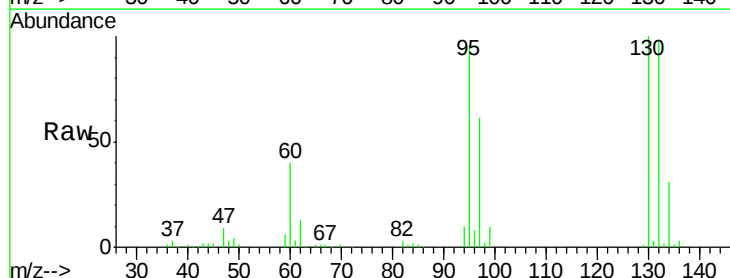
Acq: 6 Feb 2019 15:23

Tgt Ion: 130 Resp: 151521

Ion Ratio Lower Upper

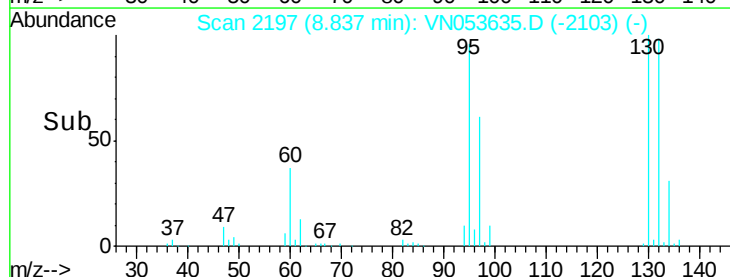
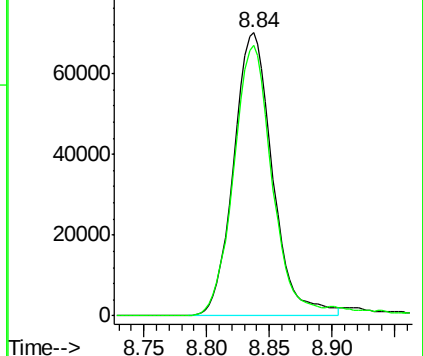
130 100

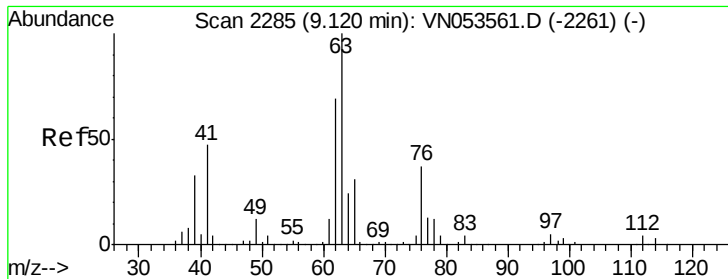
95 95.7 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053635.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053635.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 19.899 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

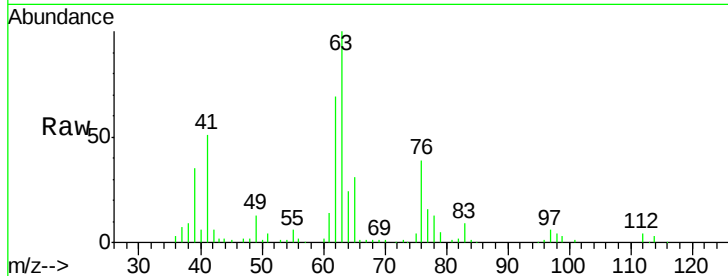
VN0206WBSD01

Tot Ion: 63 Resp: 145822

Ion Ratio Lower Upper

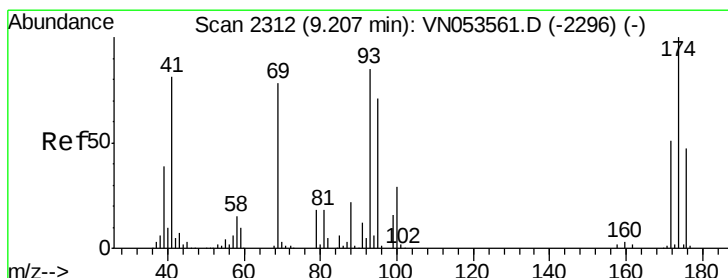
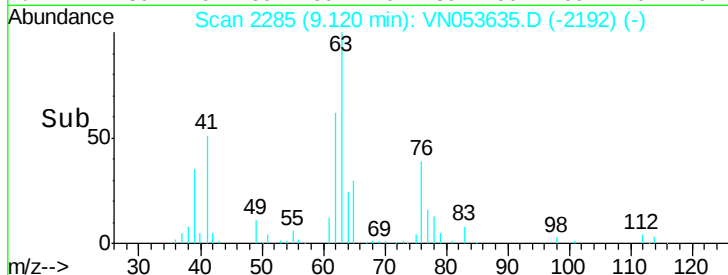
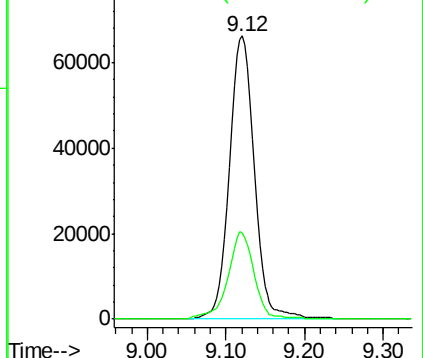
63 100

65 30.6 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.917 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

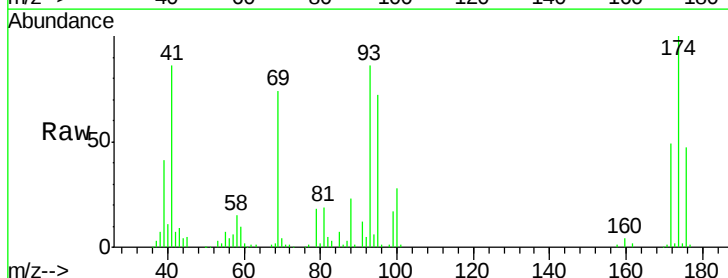
Tgt Ion: 93 Resp: 87986

Ion Ratio Lower Upper

93 100

95 84.3 67.3 100.9

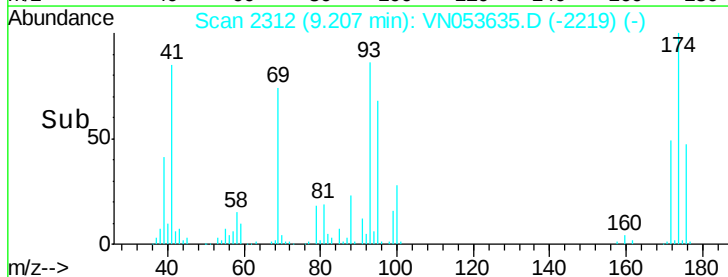
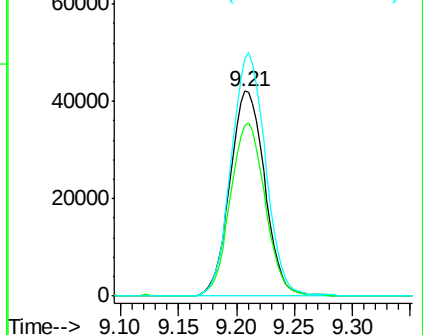
174 116.9 91.0 136.4

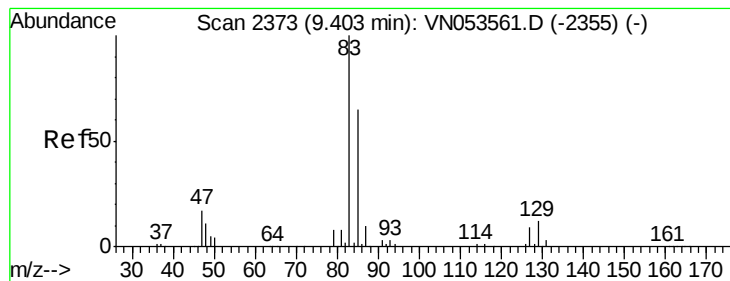


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.773 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

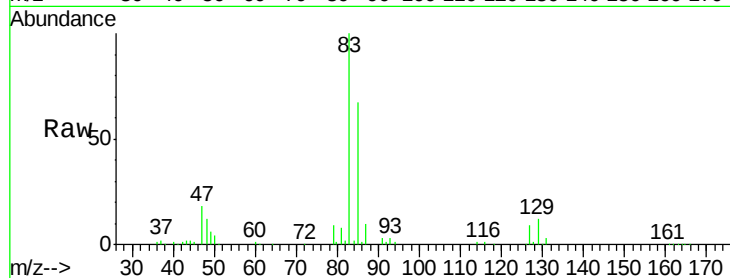
Tot Ion: 83 Resp: 181619

Ion Ratio Lower Upper

83 100

85 66.8 51.0 76.6

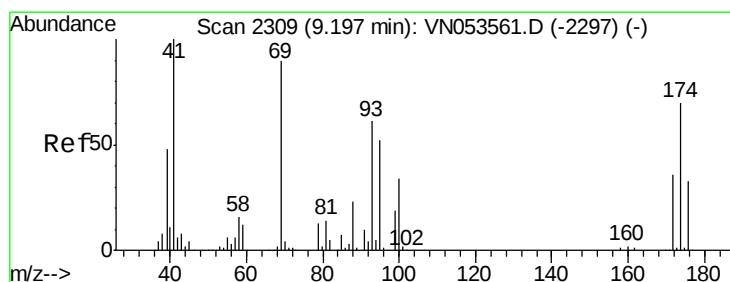
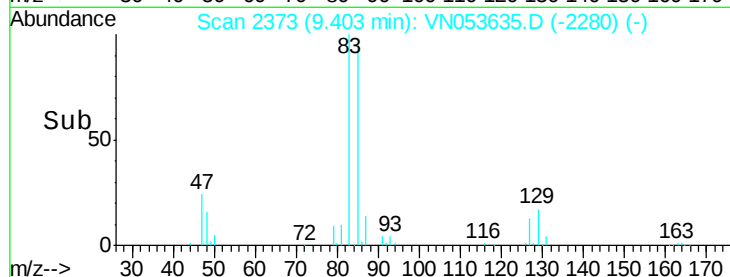
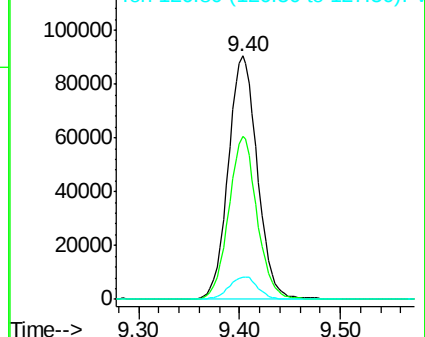
127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.833 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

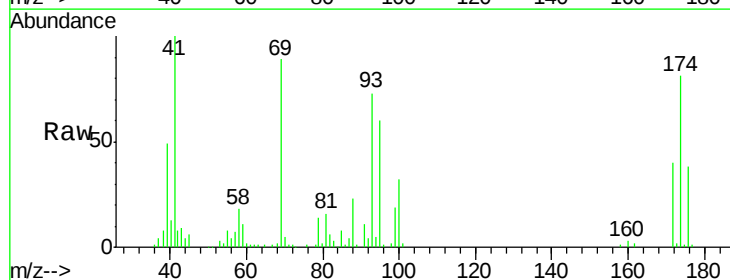
Tgt Ion: 41 Resp: 90089

Ion Ratio Lower Upper

41 100

69 98.6 73.8 110.6

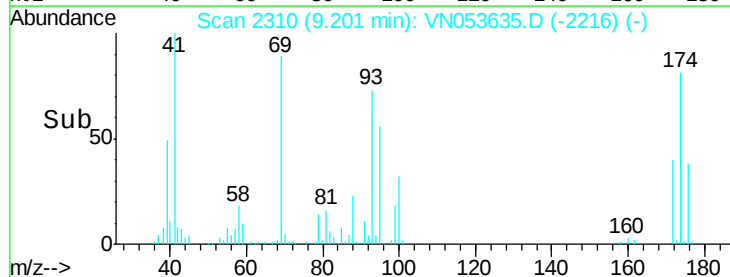
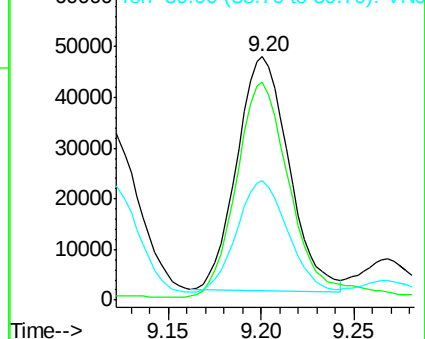
39 53.7 40.0 60.0

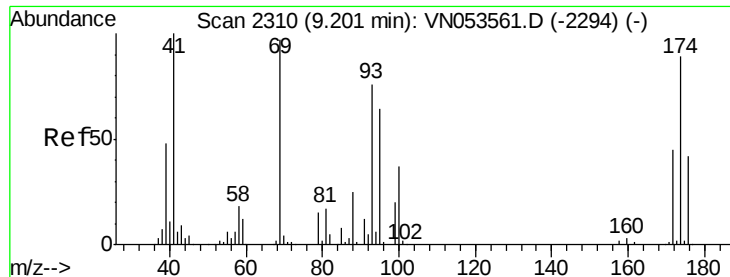


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 408.257 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

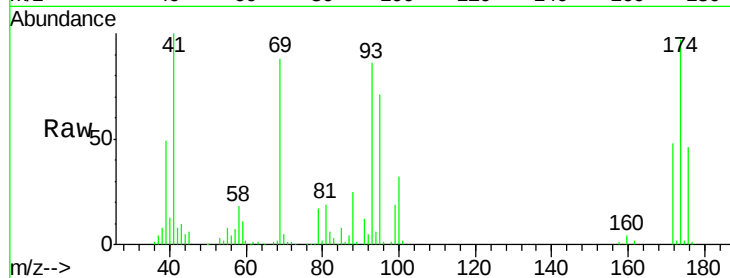
Tot Ion: 88 Resp: 26629

Ion Ratio Lower Upper

88 100

43 31.5 27.8 41.6

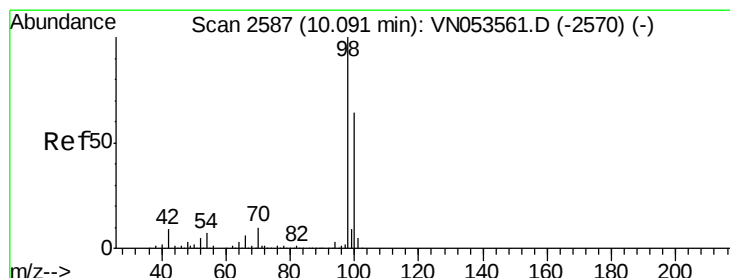
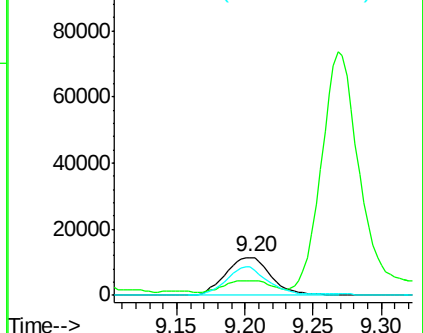
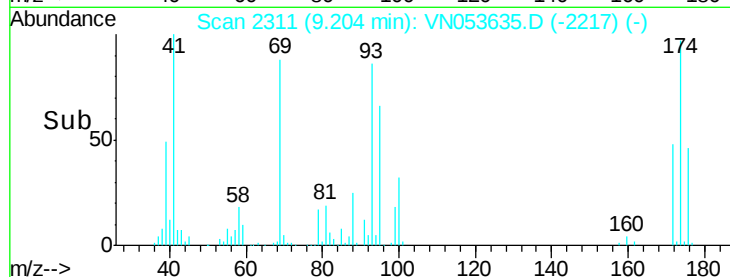
58 67.8 56.5 84.7



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: 408.257 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053635.D

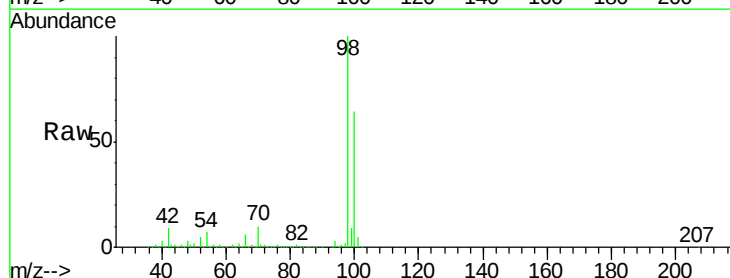
Acq: 6 Feb 2019 15:23

Tgt Ion: 98 Resp: 1239928

Ion Ratio Lower Upper

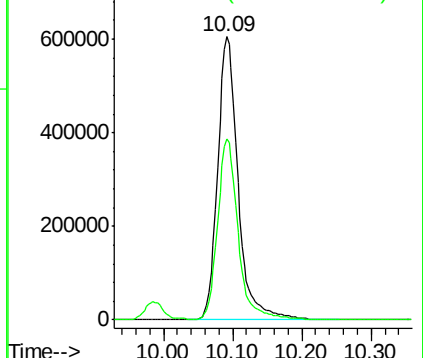
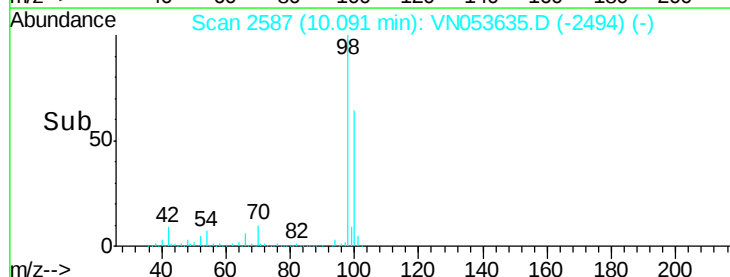
98 100

100 64.4 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: 101.629 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

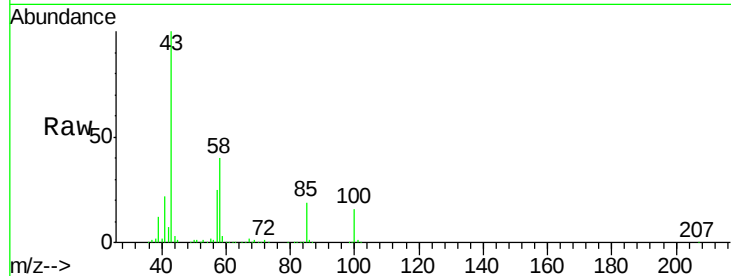
VN0206WBSD01

Tot Ion: 43 Resp: 500468

Ion Ratio Lower Upper

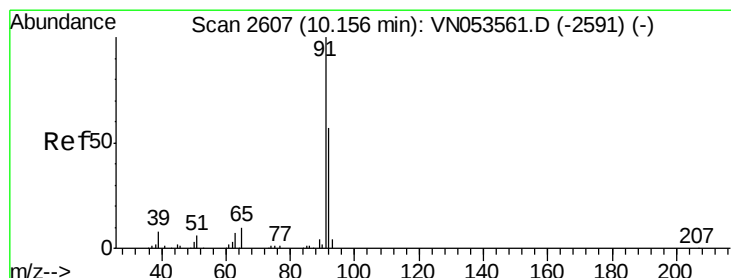
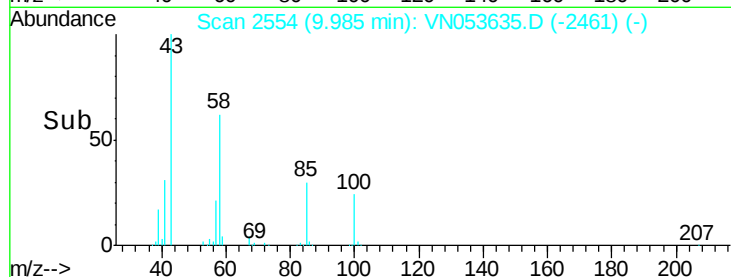
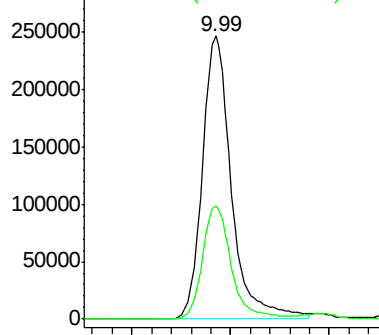
43 100

58 40.2 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.041 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053635.D

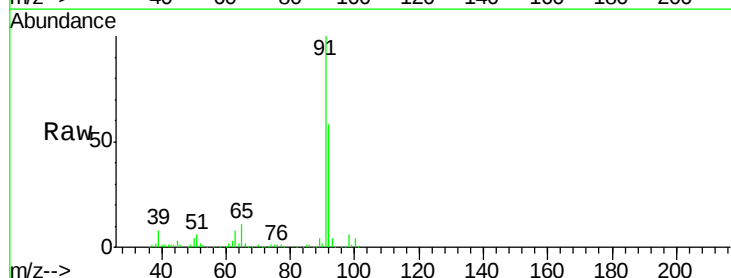
Acq: 6 Feb 2019 15:23

Tgt Ion: 92 Resp: 340787

Ion Ratio Lower Upper

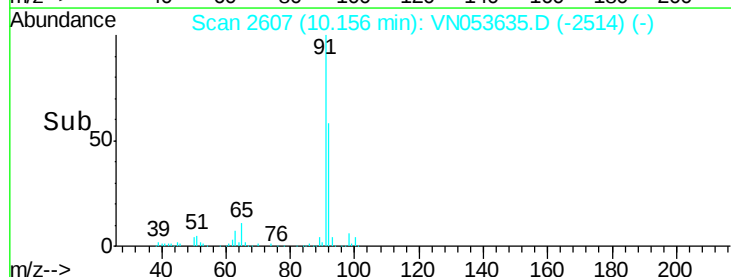
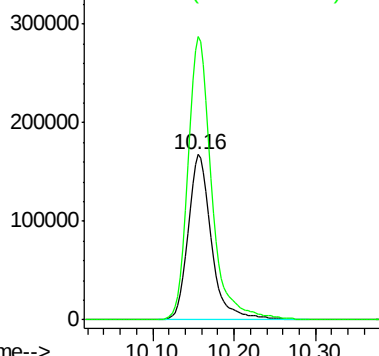
92 100

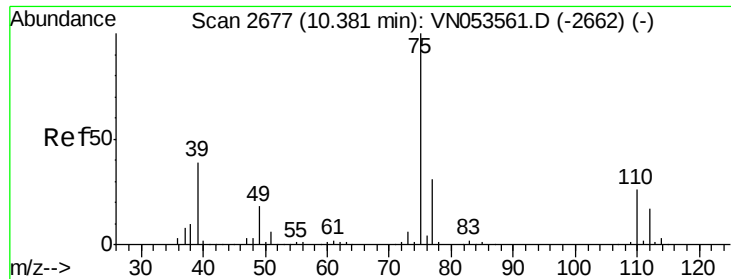
91 173.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.081 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

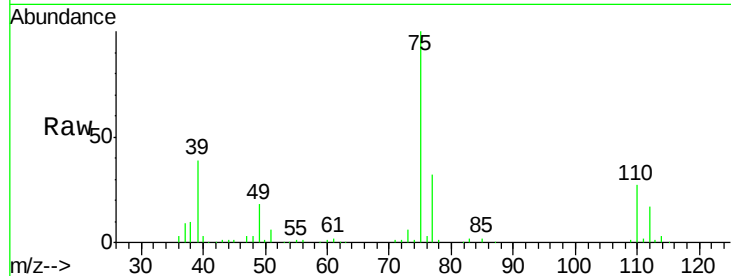
VN0206WBSD01

Tot Ion: 75 Resp: 175495

Ion Ratio Lower Upper

75 100

77 31.8 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

80000

60000

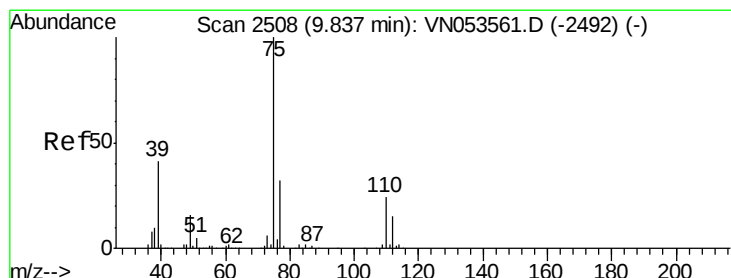
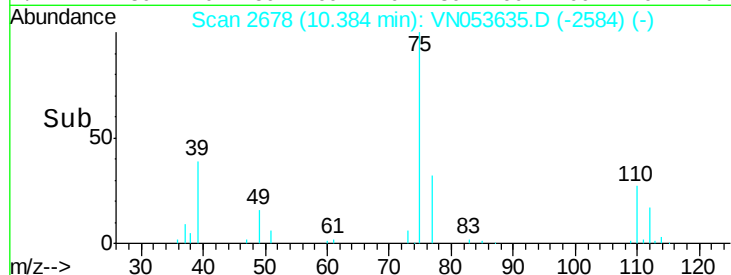
40000

20000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 19.336 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

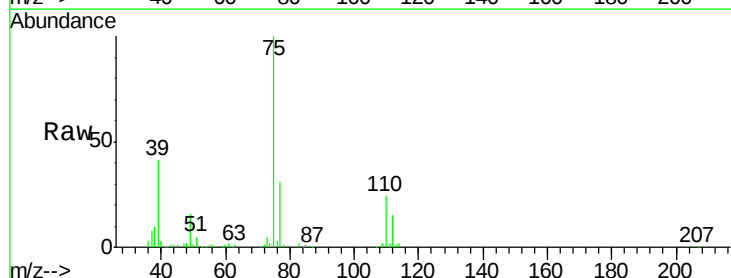
Tgt Ion: 75 Resp: 210743

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 41.3 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

150000

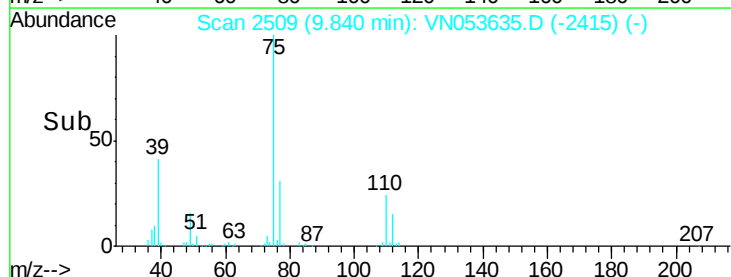
100000

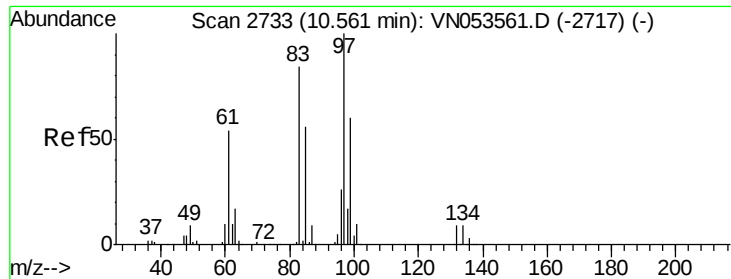
50000

0

Time-->

9.80 9.90



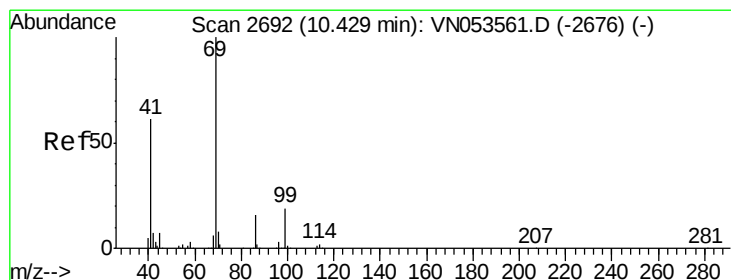
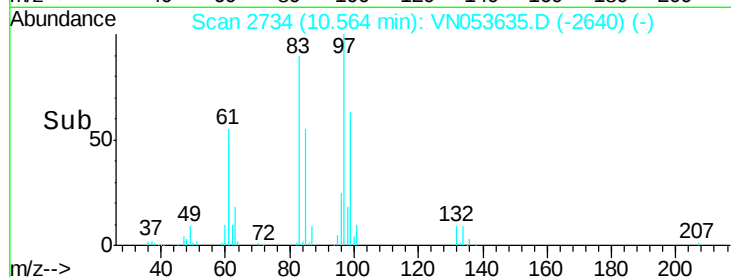
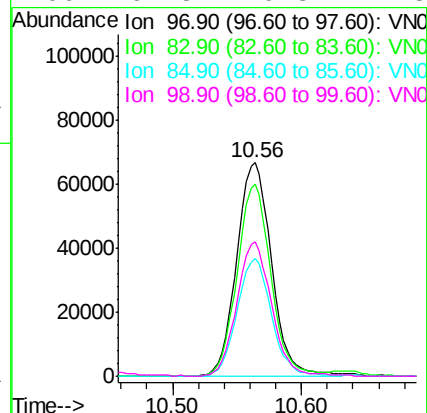
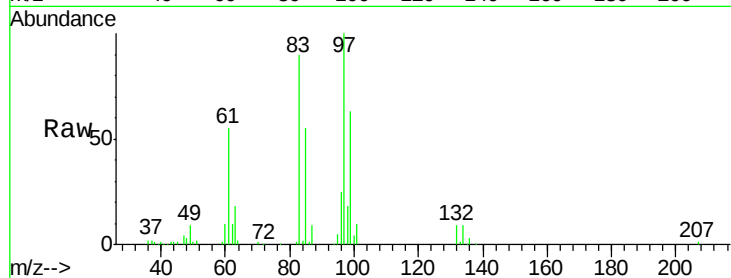


#55
 1,1,2-Trichloroethane
 Concen: 20.487 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Tot Ion: 97 Resp: 125529

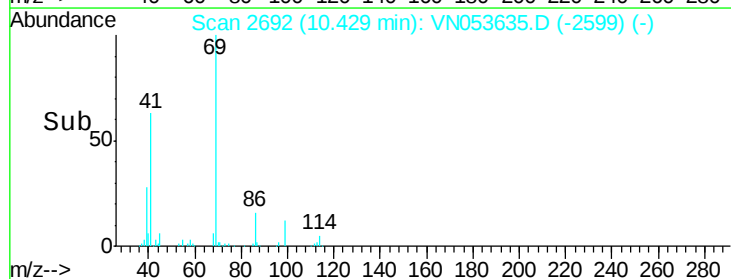
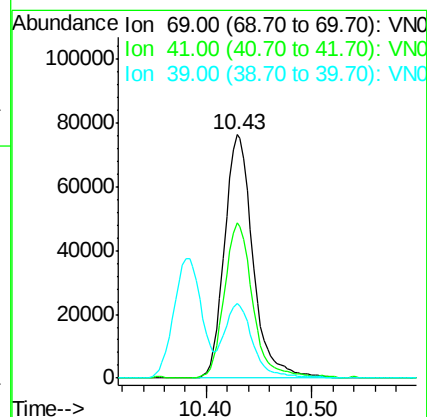
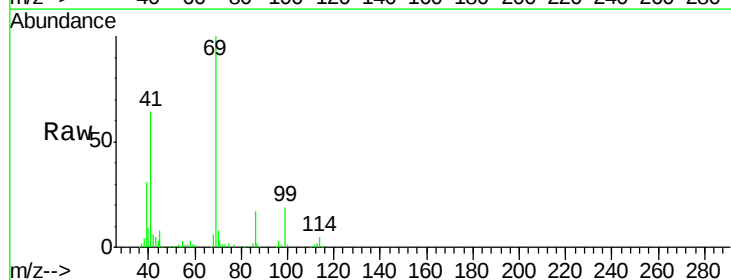
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.1	105.1
85	55.2	45.4	68.0
99	62.8	49.8	74.8

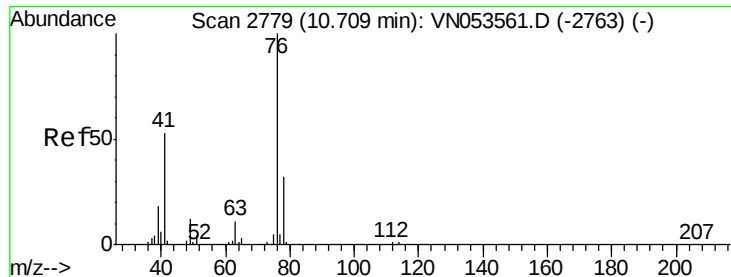


#56
 Ethyl methacrylate
 Concen: 19.764 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

Tgt Ion: 69 Resp: 143260

Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.4	74.0
39	29.1	23.3	34.9

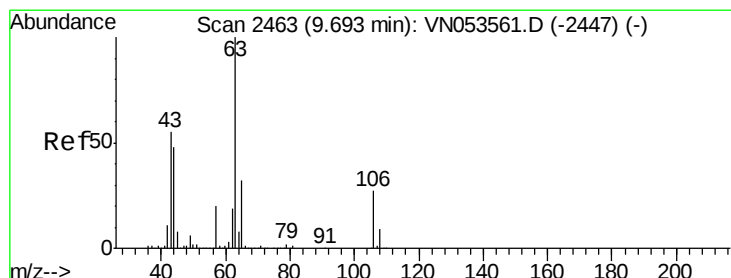
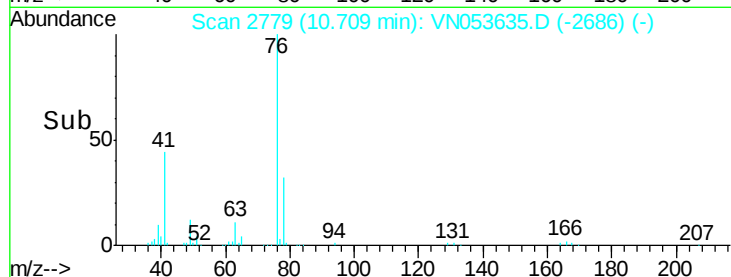
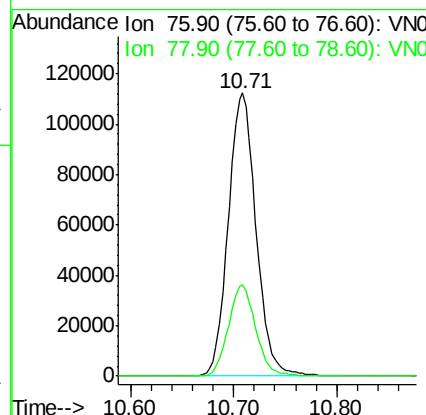
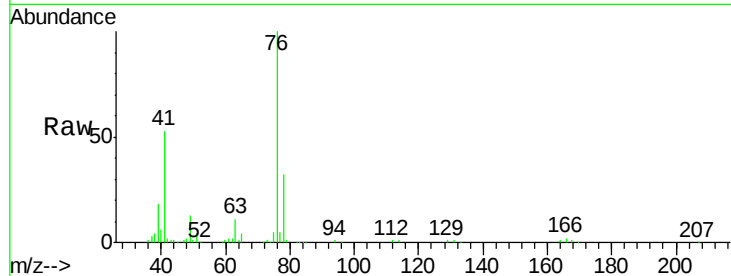




#57
 1,3-Dichloropropane
 Concen: 20.103 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

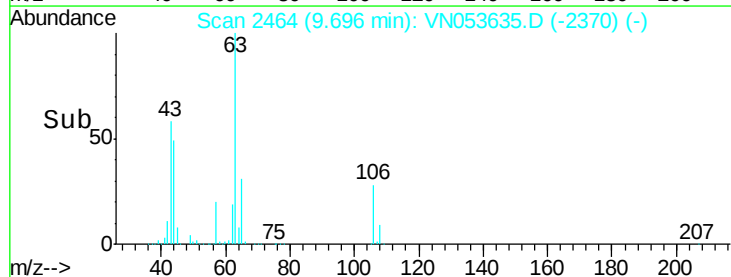
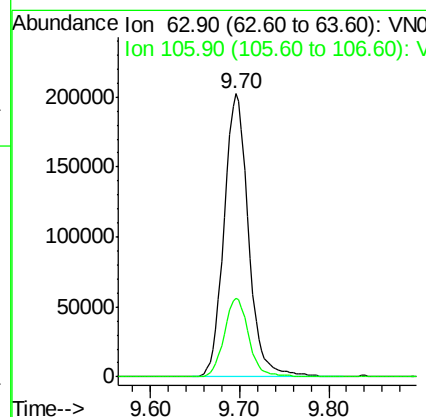
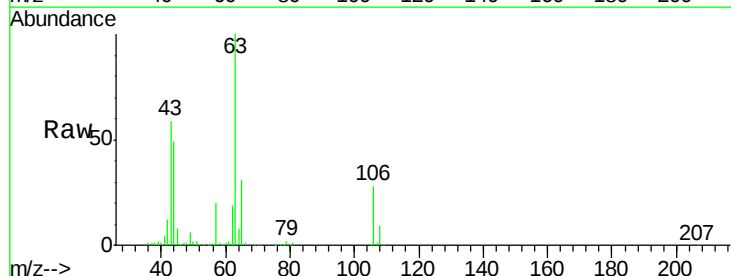
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

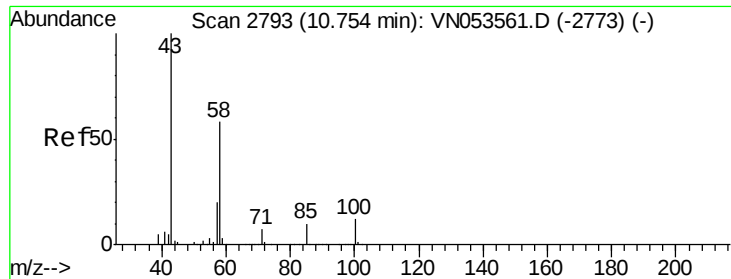
Tot Ion: 76 Resp: 210518
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.772 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

Tgt Ion: 63 Resp: 384371
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.5 32.3

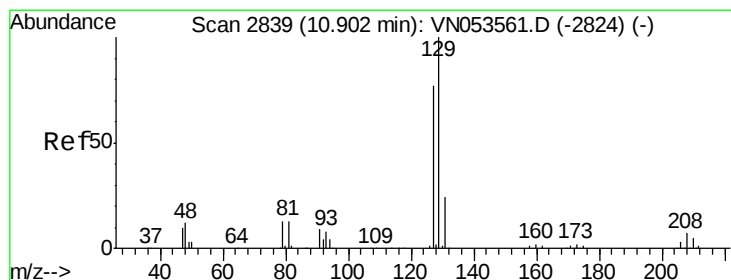
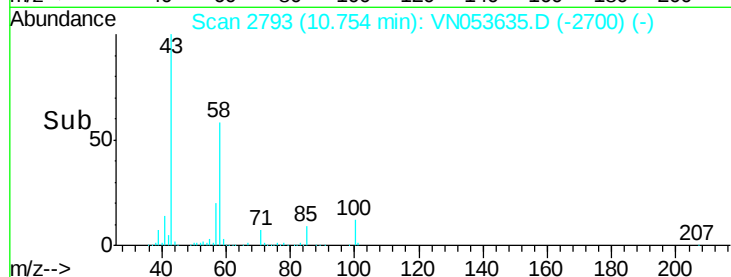
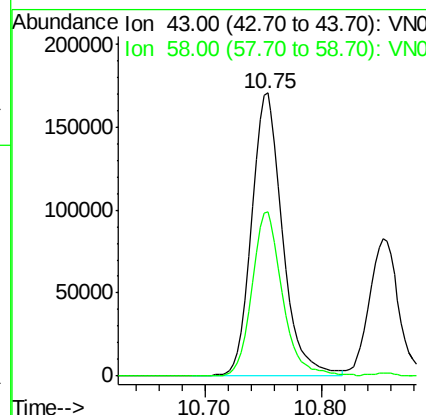
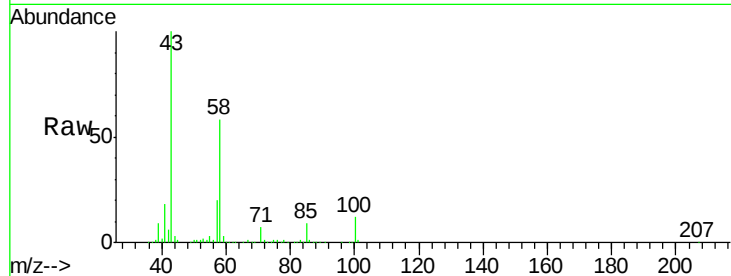




#59
2-Hexanone
Concen: 94.091 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

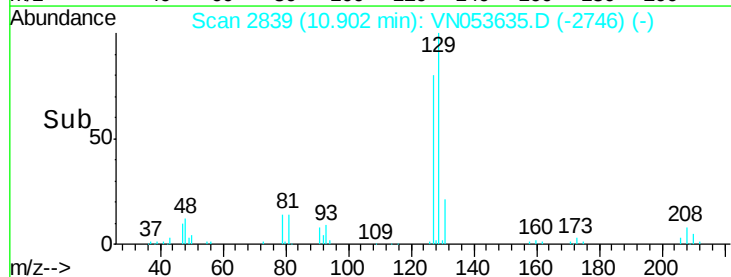
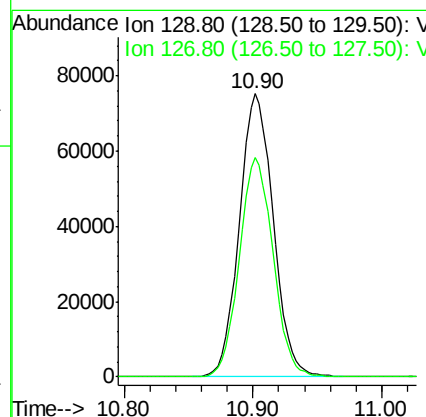
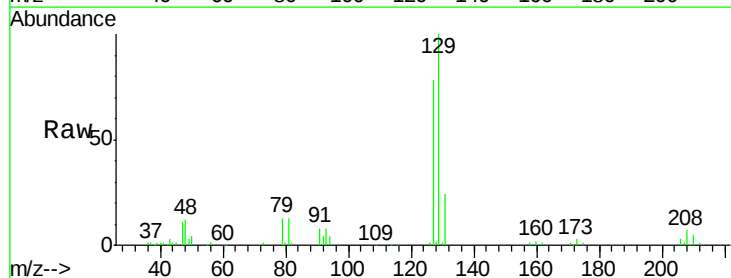
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

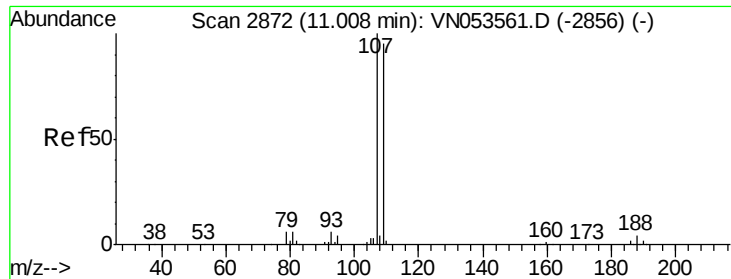
Tot Ion: 43 Resp: 314553
Ion Ratio Lower Upper
43 100
58 57.7 28.6 85.8



#60
Dibromochloromethane
Concen: 19.960 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 129 Resp: 137919
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8

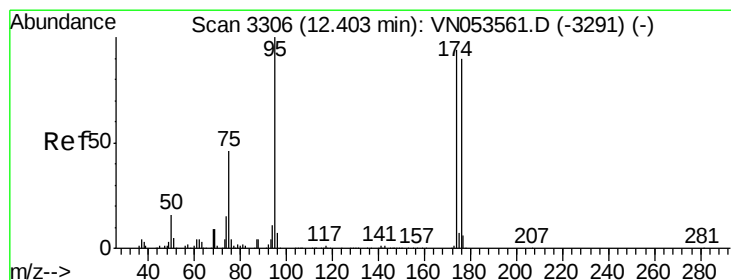
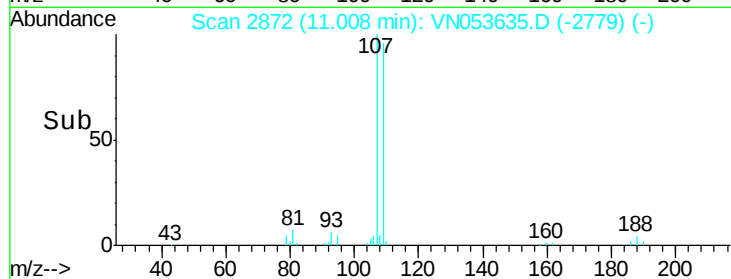
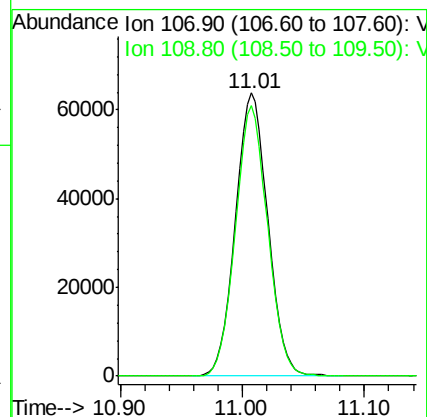
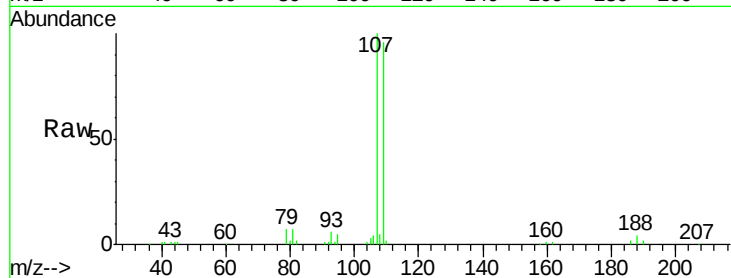




#61
 1,2-Dibromoethane
 Concen: 19.426 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

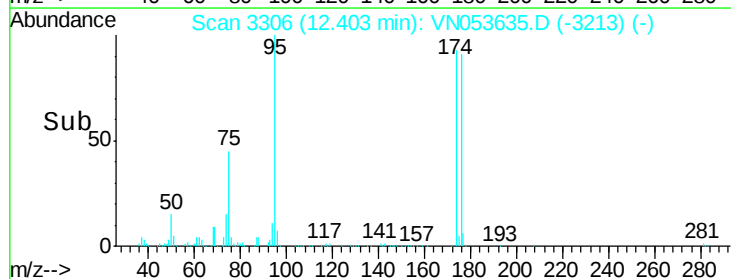
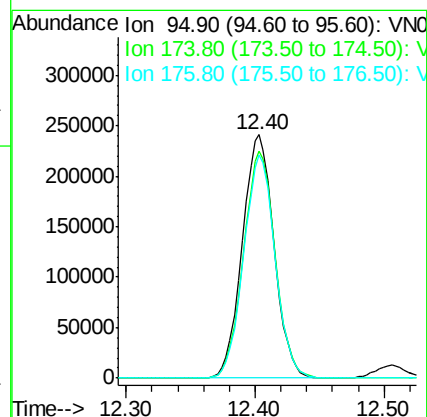
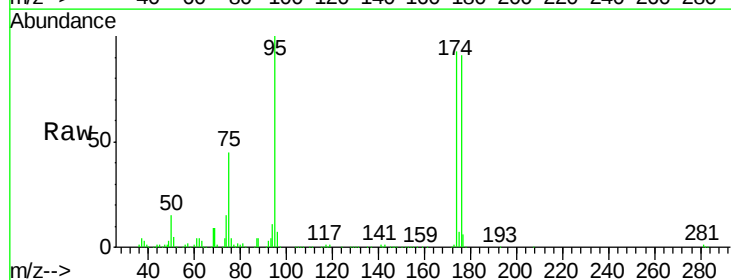
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Tot Ion:107 Resp: 117812
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.426 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN053635.D
 Acq: 6 Feb 2019 15:23

Tgt Ion: 95 Resp: 412069
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 183.2
 176 90.4 0.0 177.4

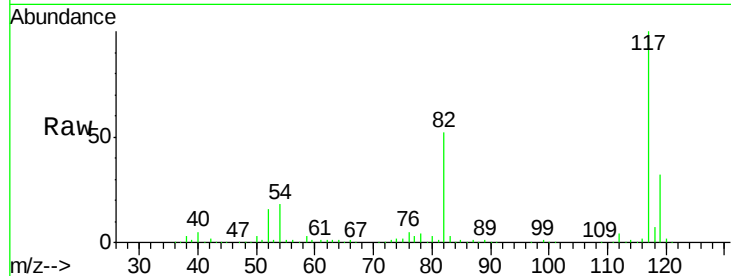




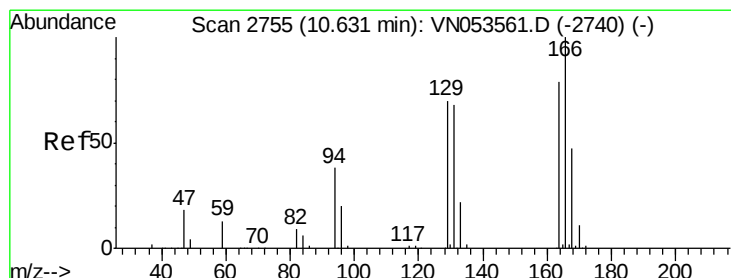
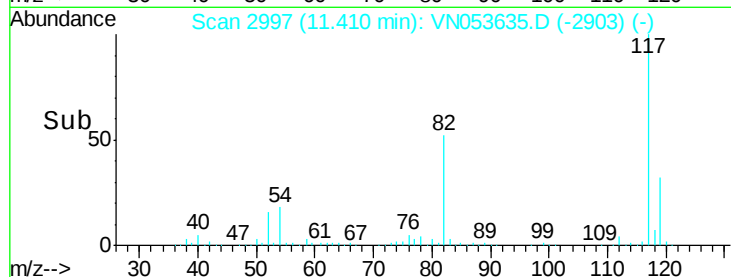
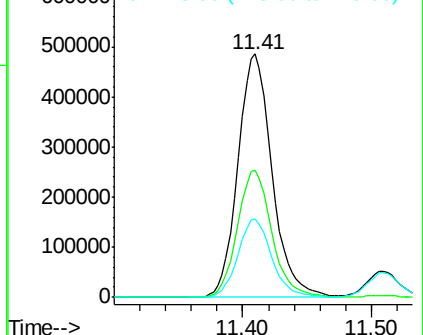
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion:117 Resp: 896093
Ion Ratio Lower Upper
117 100
82 52.4 42.9 64.3
119 32.2 26.0 39.0

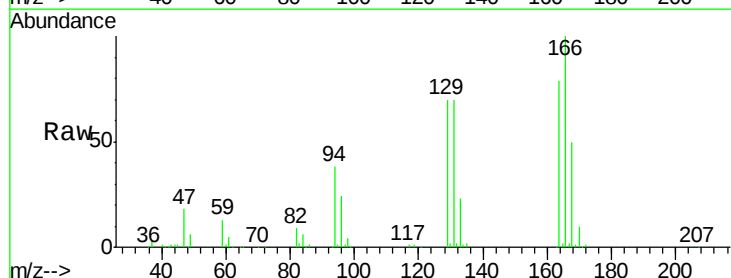


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

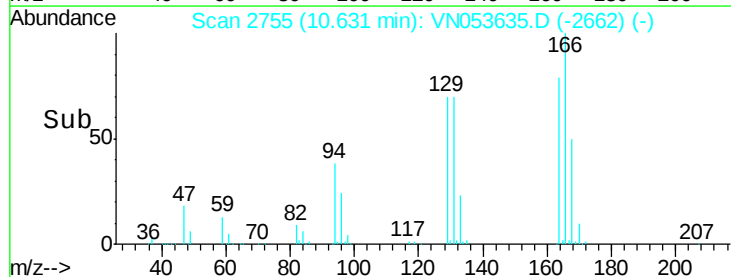
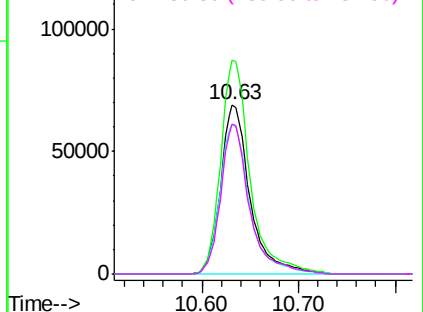


#64
Tetrachloroethene
Concen: 18.961 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion:164 Resp: 145651
Ion Ratio Lower Upper
164 100
166 126.3 102.2 153.4
129 88.7 72.6 109.0
131 88.8 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: 19.254 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

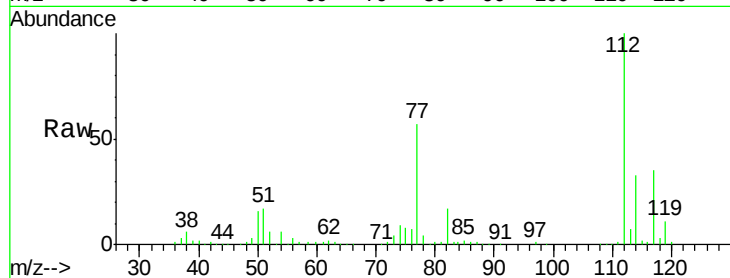
VN0206WBSD01

Tot Ion:112 Resp: 366476

Ion Ratio Lower Upper

112 100

114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

200000

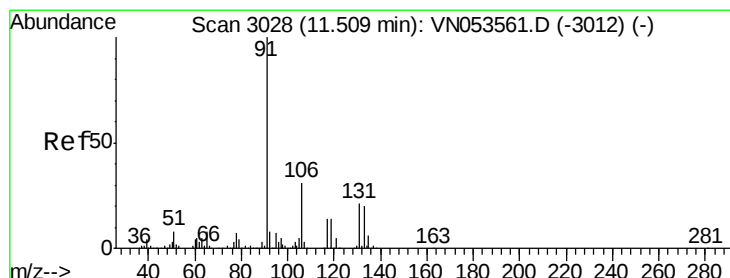
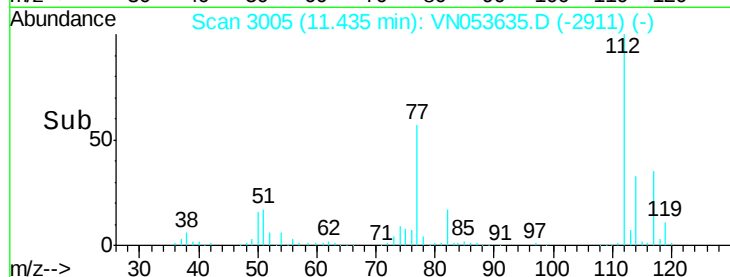
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.164 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

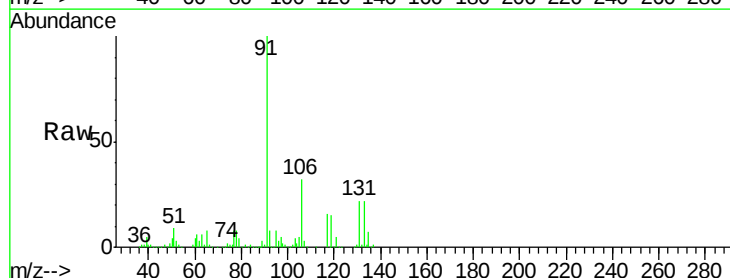
Tgt Ion:131 Resp: 134042

Ion Ratio Lower Upper

131 100

133 97.3 48.0 144.0

119 65.8 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

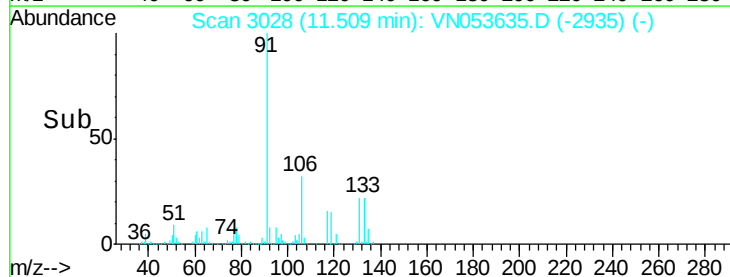
150000

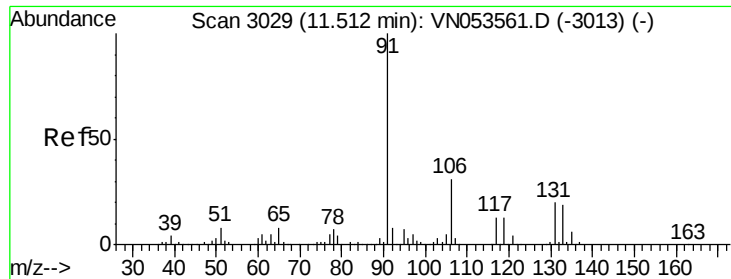
100000

50000

0

Time-->

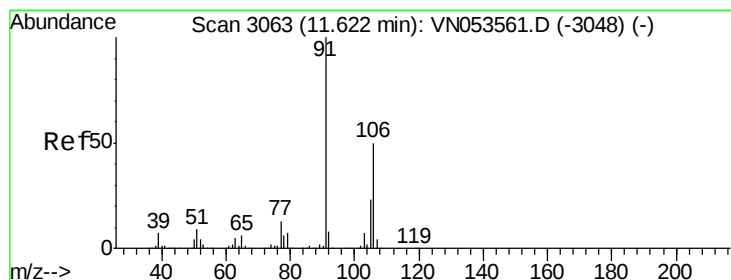
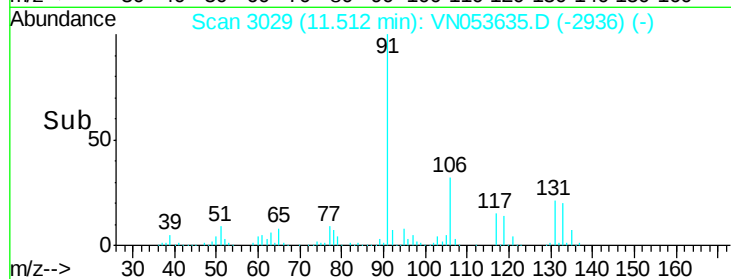
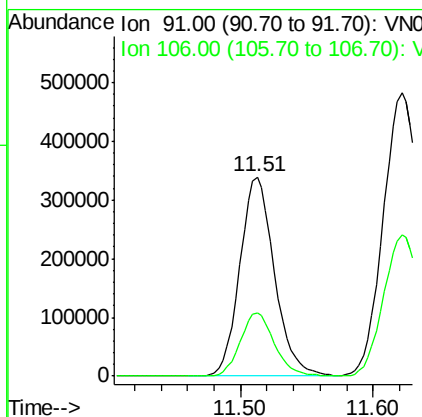
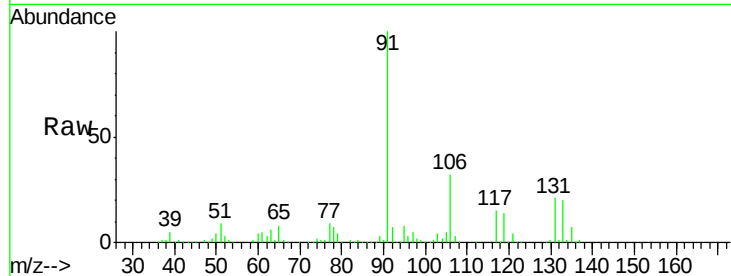




#67
Ethyl Benzene
Concen: 19.660 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

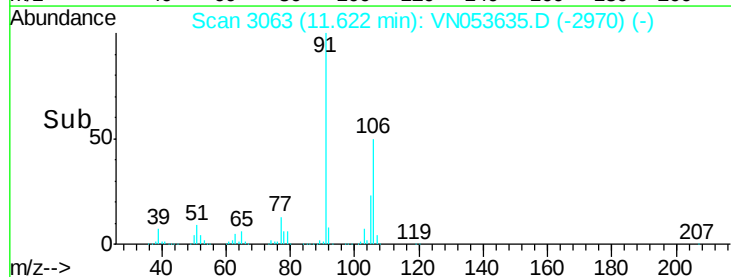
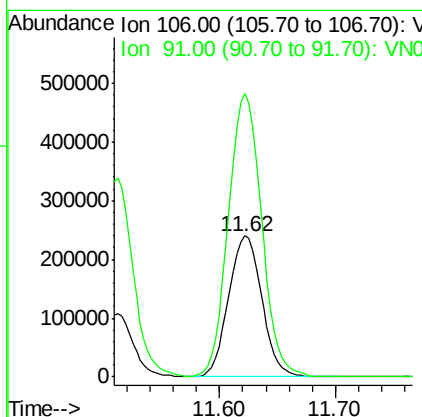
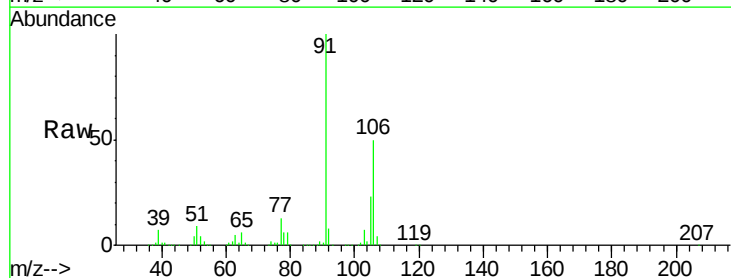
Instrument :
MSVOA_N
ClientSampled :
VN0206WBSD01

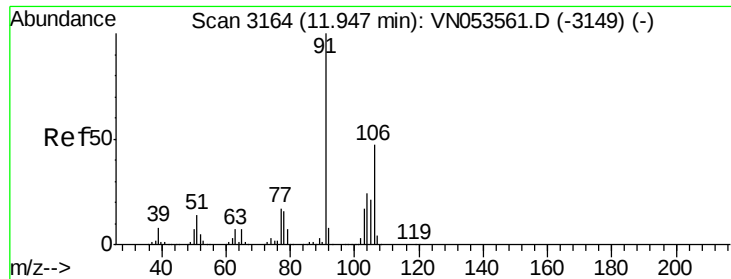
Tot Ion: 91 Resp: 614694
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6



#68
m/p-Xylenes
Concen: 40.072 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 106 Resp: 478195
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2





#69

o-Xylene

Concen: 20.094 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

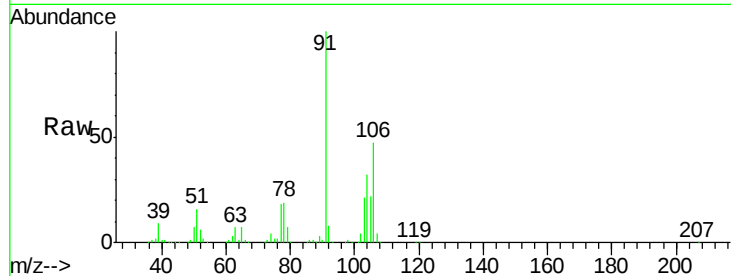
VN0206WBSD01

Tot Ion:106 Resp: 231659

Ion Ratio Lower Upper

106 100

91 215.1 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

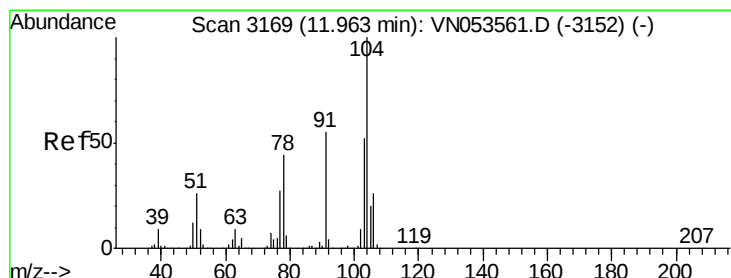
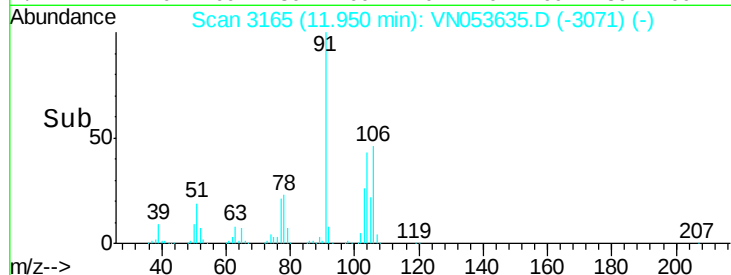
200000

100000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 20.185 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

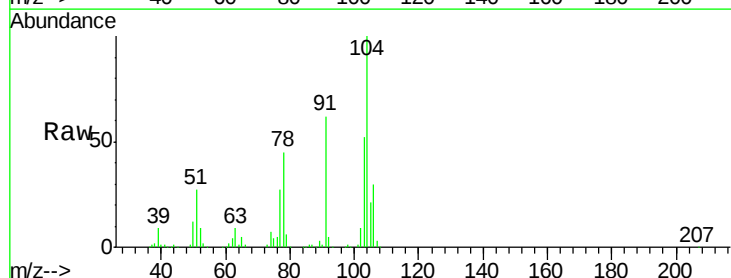
Tgt Ion:104 Resp: 377177

Ion Ratio Lower Upper

104 100

78 48.0 38.2 57.2

103 55.9 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

300000

250000

200000

150000

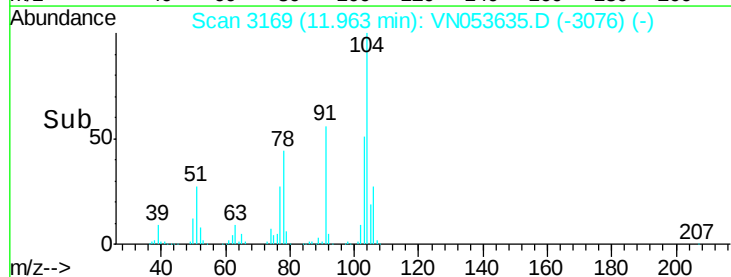
100000

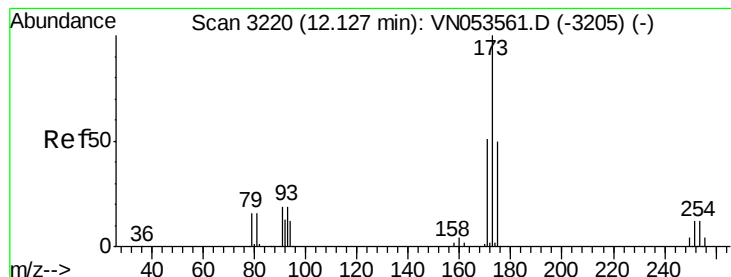
50000

0

11.90 11.96 12.00

Time-->





#71

Bromoform

Concen: 20.586 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0206WBSD01

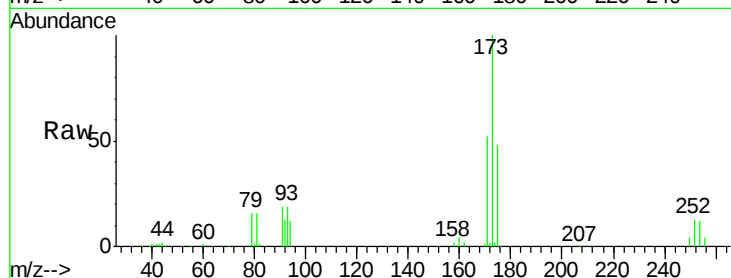
Tot Ion:173 Resp: 93816

Ion Ratio Lower Upper

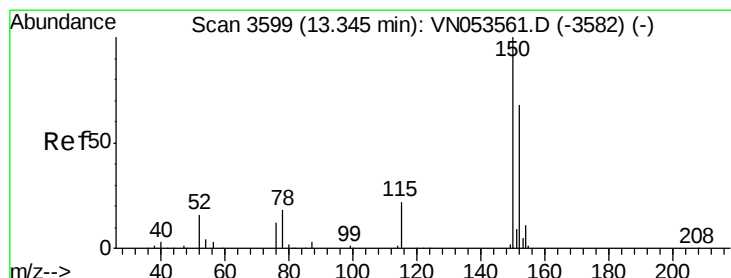
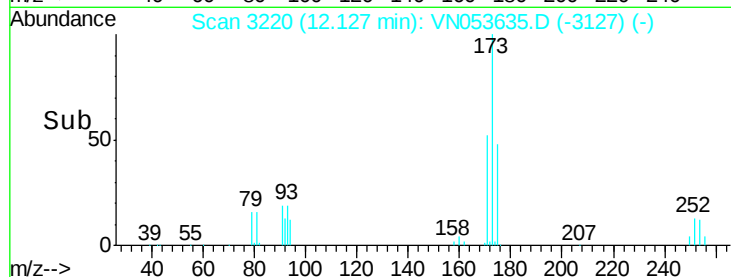
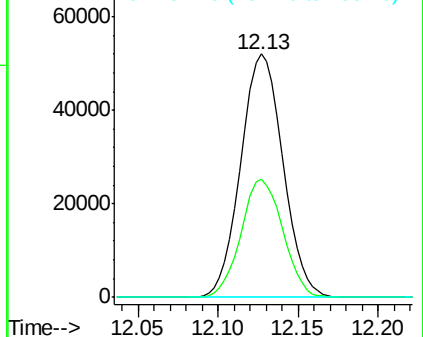
173 100

175 48.0 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: VN053635.D

Acq: 6 Feb 2019 15:23

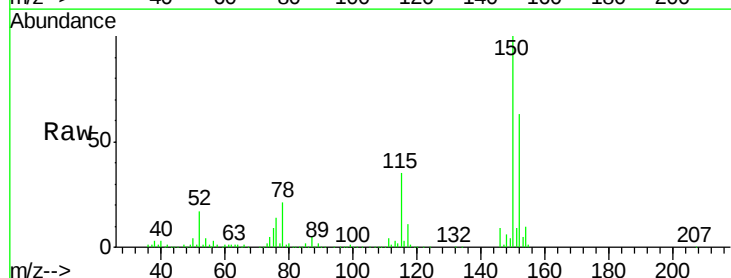
Tgt Ion:152 Resp: 428548

Ion Ratio Lower Upper

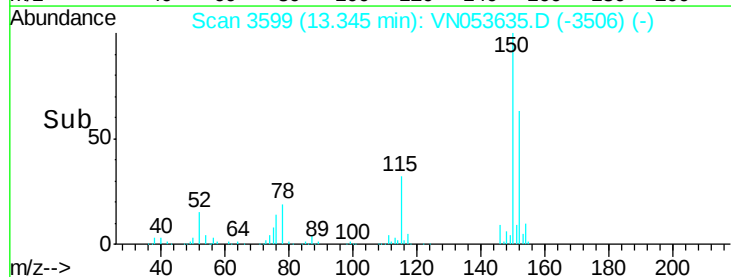
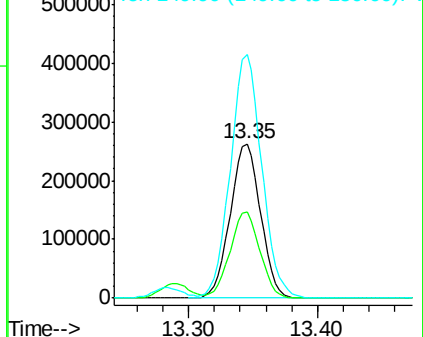
152 100

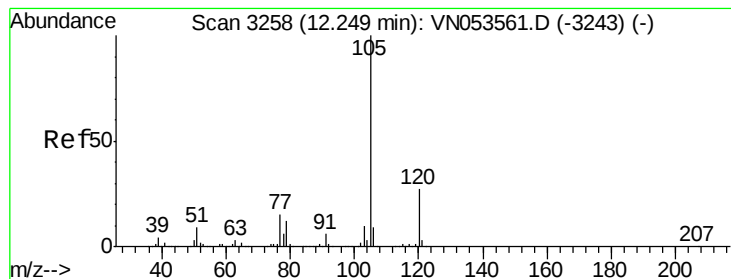
115 55.2 27.8 83.4

150 163.2 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: 20.243 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

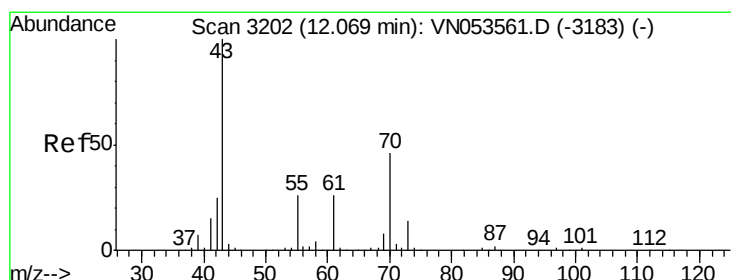
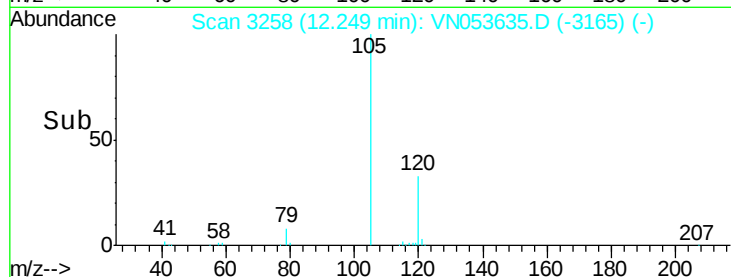
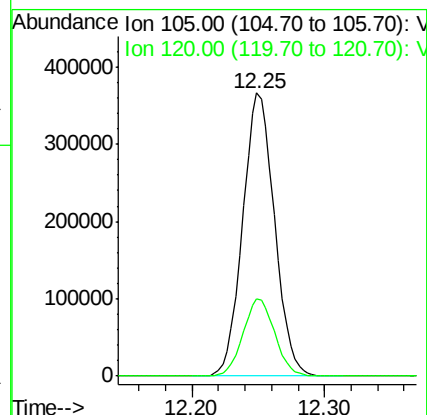
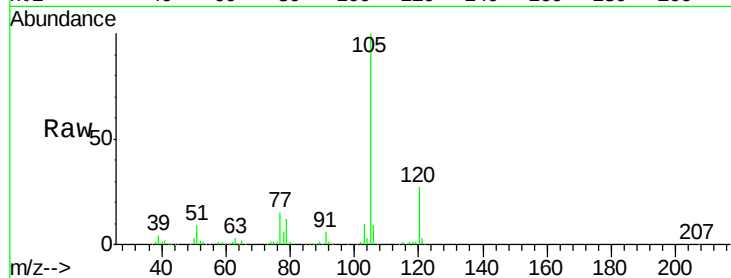
VN0206WBSD01

Tot Ion:105 Resp: 609848

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 20.535 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Tgt Ion: 43 Resp: 148763

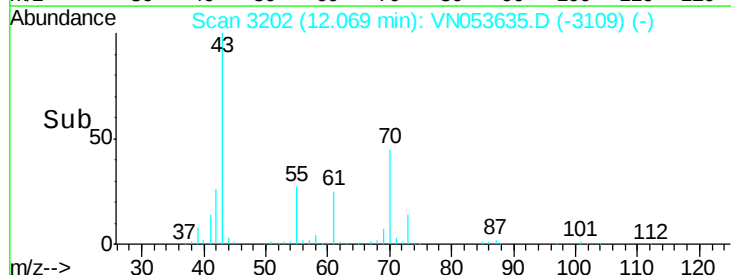
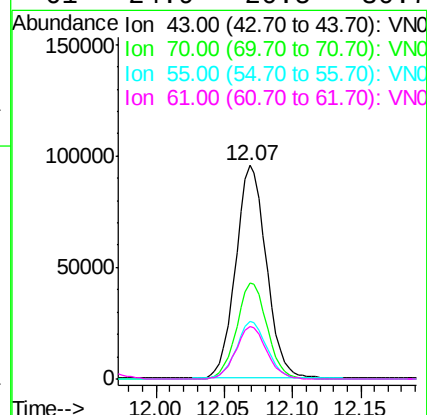
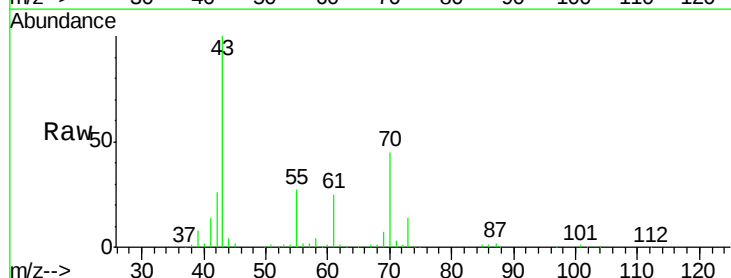
Ion Ratio Lower Upper

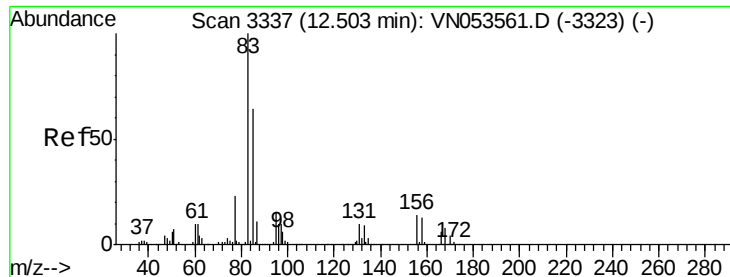
43 100

70 45.0 35.4 53.2

55 27.2 20.9 31.3

61 24.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.627 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

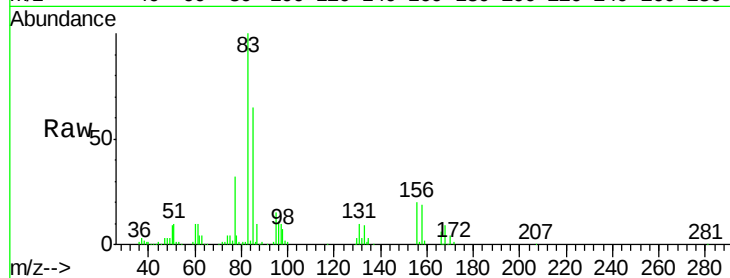
Tot Ion: 83 Resp: 141510

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

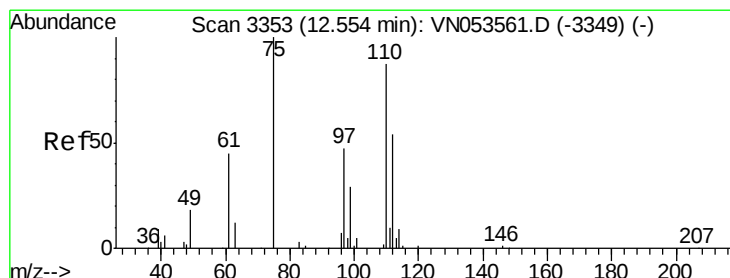
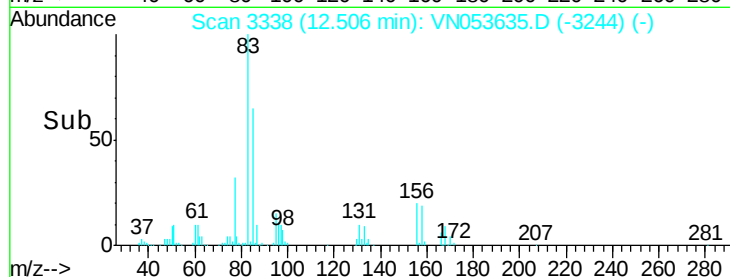
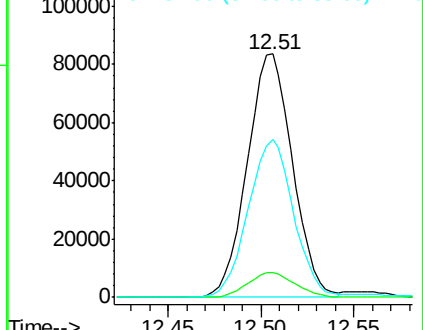
85 64.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.483 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053635.D

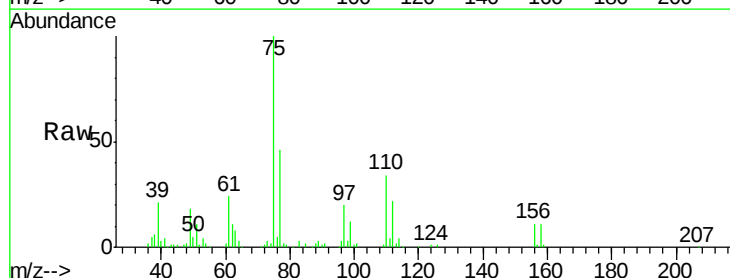
Acq: 6 Feb 2019 15:23

Tgt Ion: 75 Resp: 173294

Ion Ratio Lower Upper

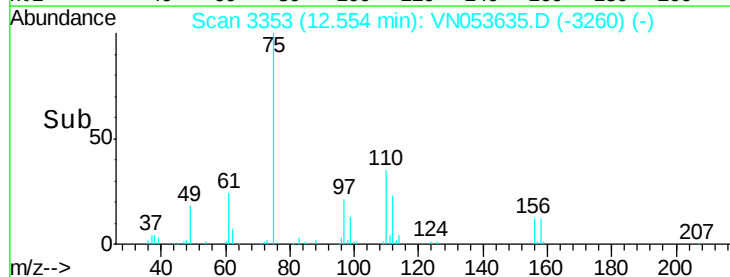
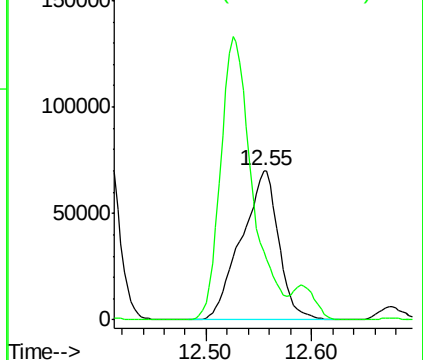
75 100

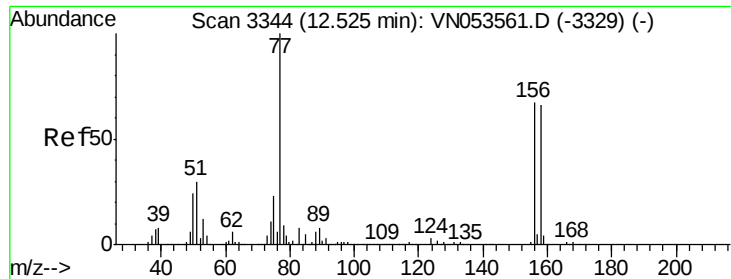
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.942 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0206WBSD01

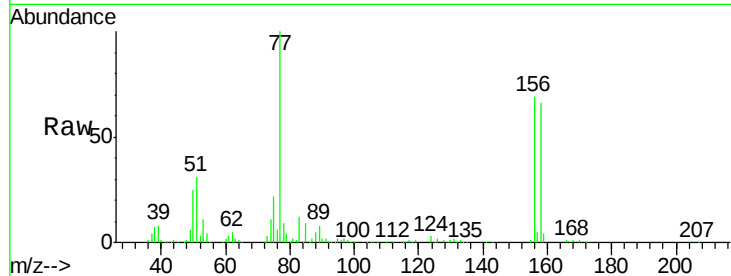
Tot Ion:156 Resp: 161914

Ion Ratio Lower Upper

156 100

77 171.1 87.9 263.8

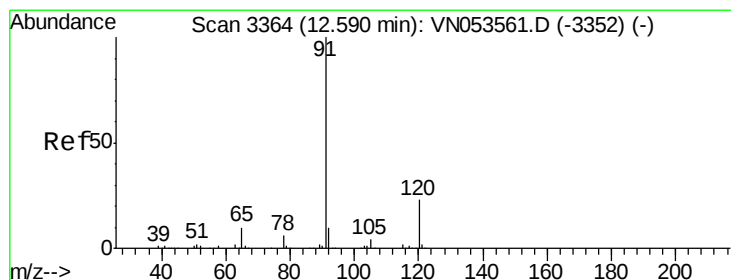
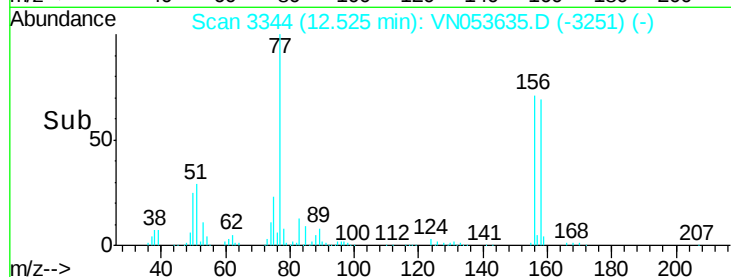
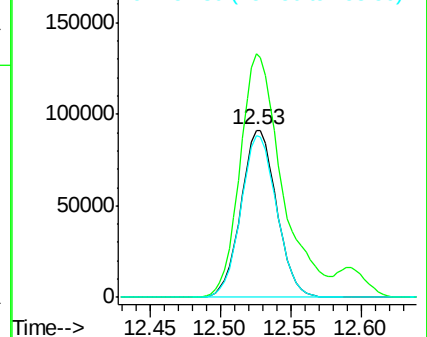
158 96.9 48.8 146.4



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: 20.015 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053635.D

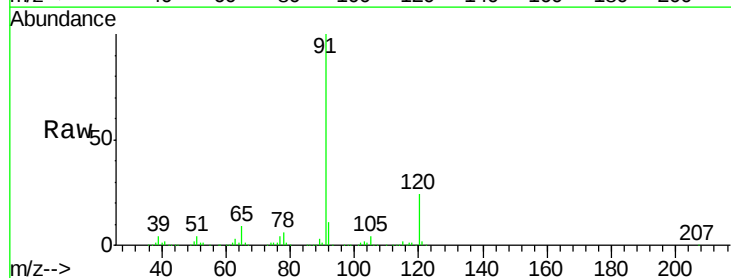
Acq: 6 Feb 2019 15:23

Tgt Ion: 91 Resp: 697058

Ion Ratio Lower Upper

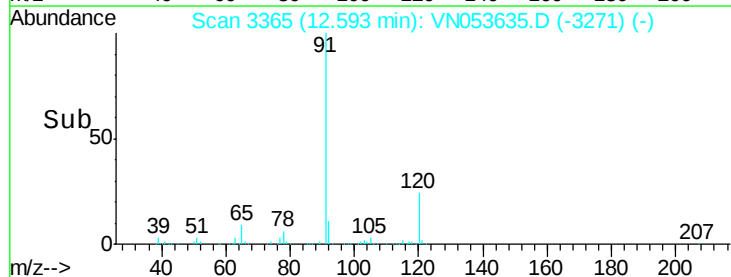
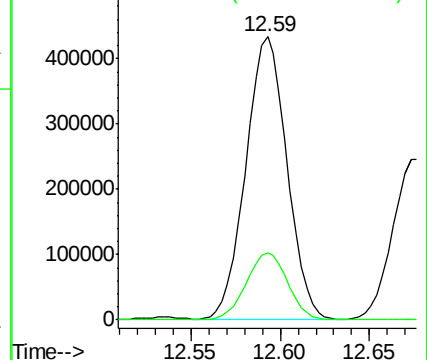
91 100

120 23.9 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: 20.203 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

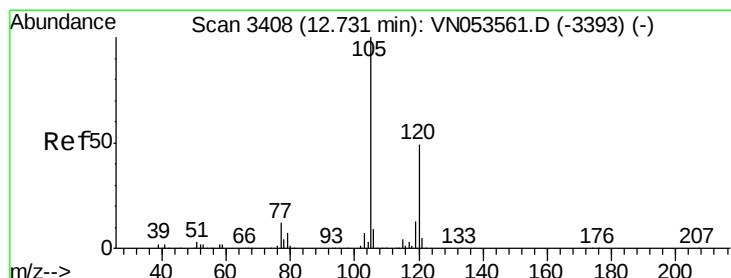
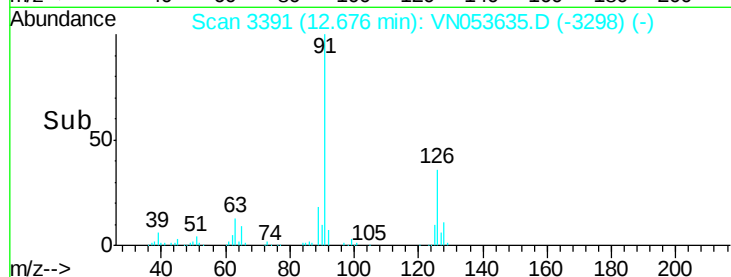
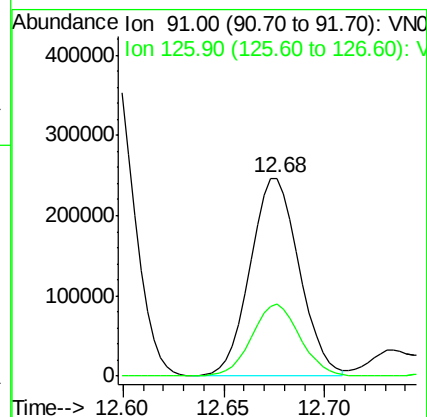
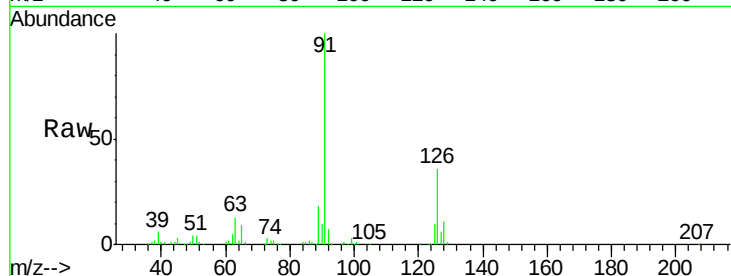
VN0206WBSD01

Tot Ion: 91 Resp: 417437

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.712 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053635.D

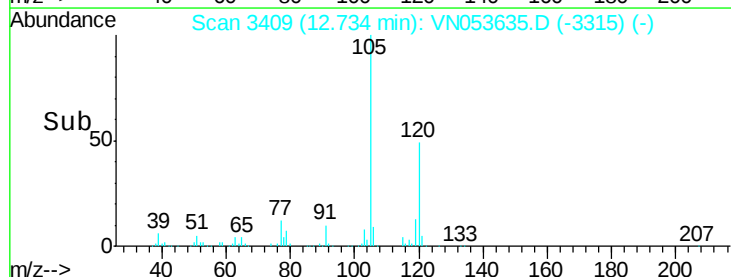
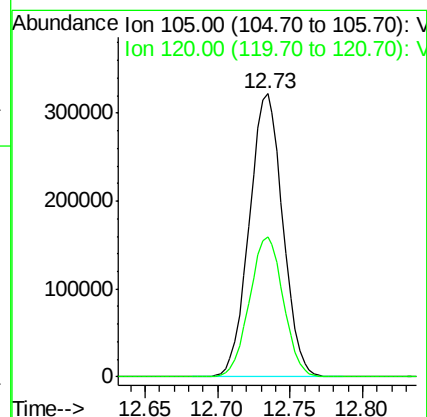
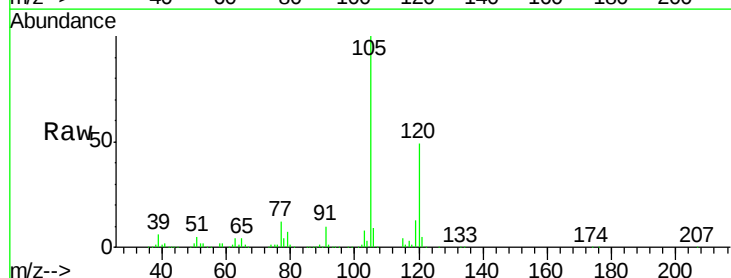
Acq: 6 Feb 2019 15:23

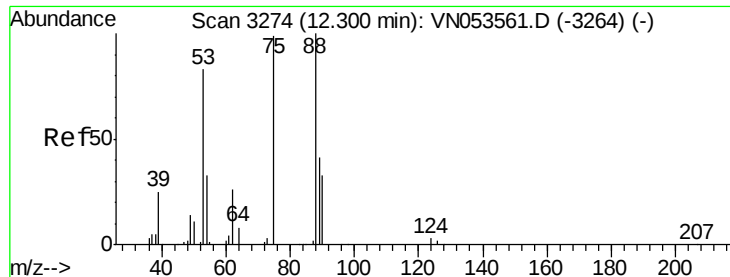
Tgt Ion: 105 Resp: 517433

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6

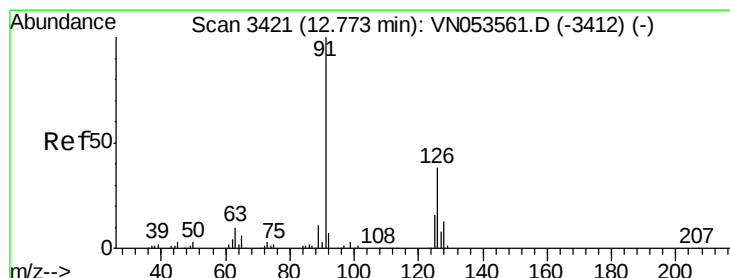
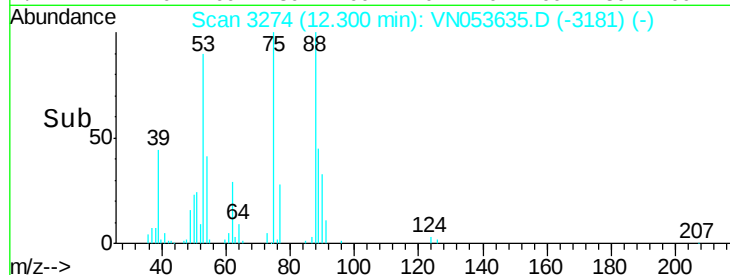
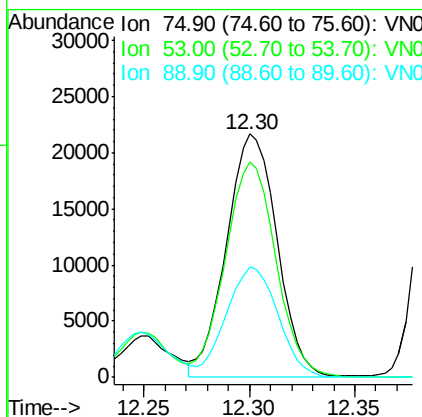
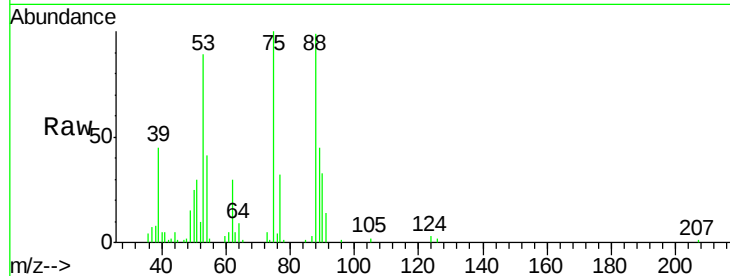




#81
trans-1,4-Dichloro-2-butene
Concen: 18.473 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

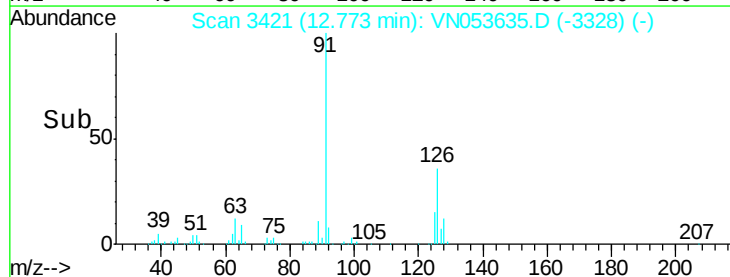
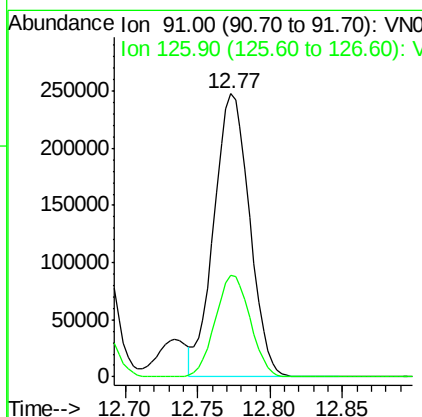
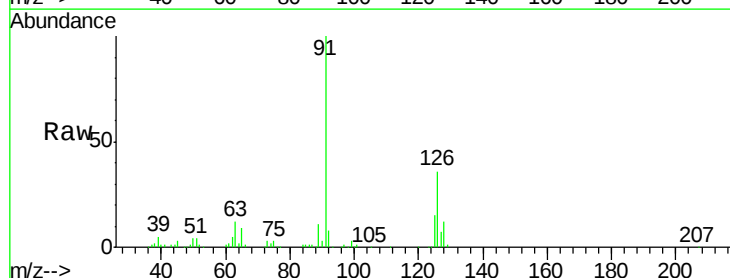
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

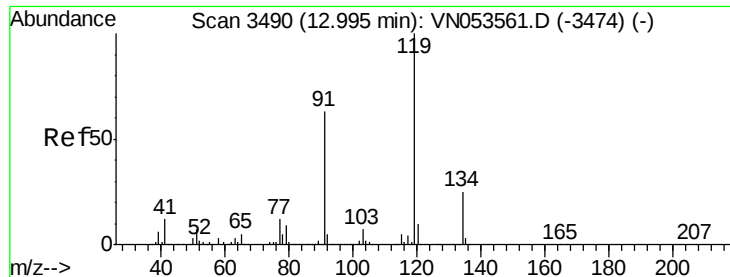
Tot Ion: 75 Resp: 36161
Ion Ratio Lower Upper
75 100
53 88.8 69.8 104.6
89 46.0 35.6 53.4



#82
4-Chlorotoluene
Concen: 19.851 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion: 91 Resp: 420869
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.9

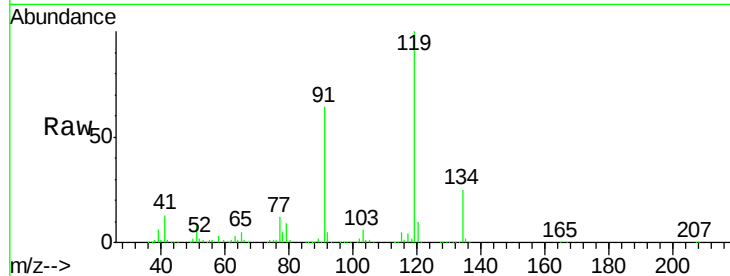




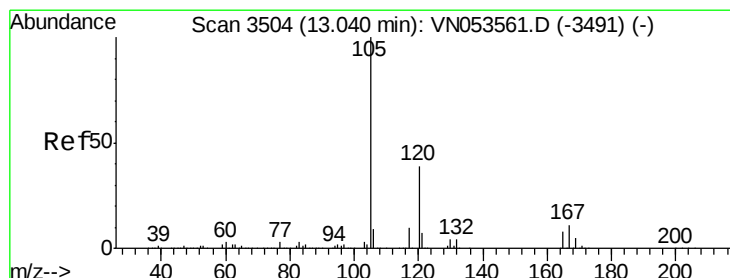
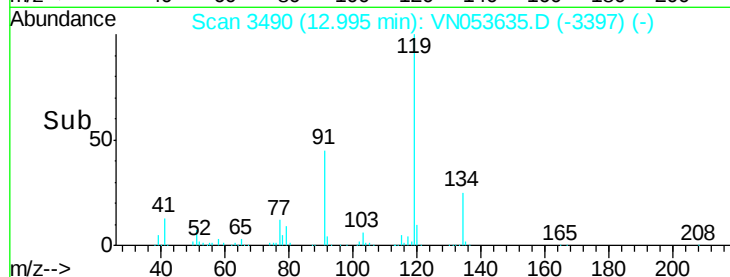
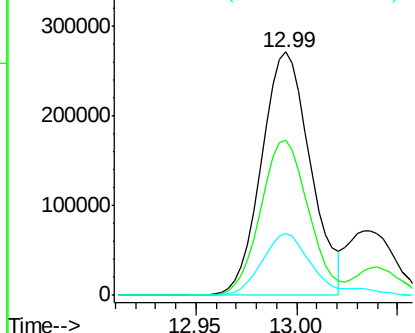
#83
tert-Butylbenzene
Concen: 20.756 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0206WBSD01

Tot Ion:119 Resp: 458297
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.8
134 26.7 12.9 38.7

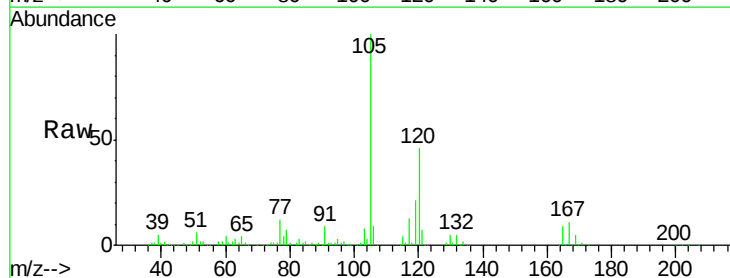


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

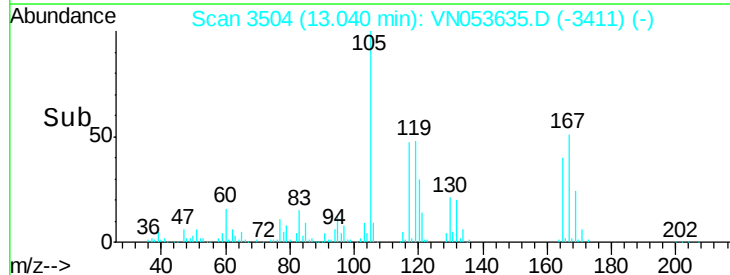
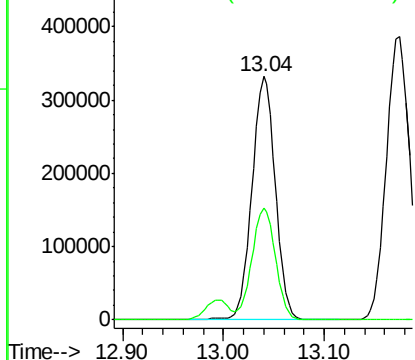


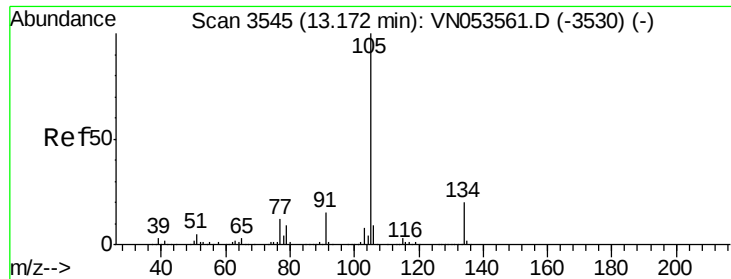
#84
1,2,4-Trimethylbenzene
Concen: 20.701 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053635.D
Acq: 6 Feb 2019 15:23

Tgt Ion:105 Resp: 526872
Ion Ratio Lower Upper
105 100
120 46.6 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: 20.777 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

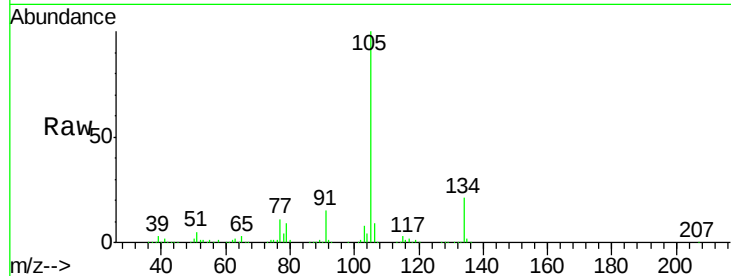
VN0206WBSD01

Tot Ion:105 Resp: 624261

Ion Ratio Lower Upper

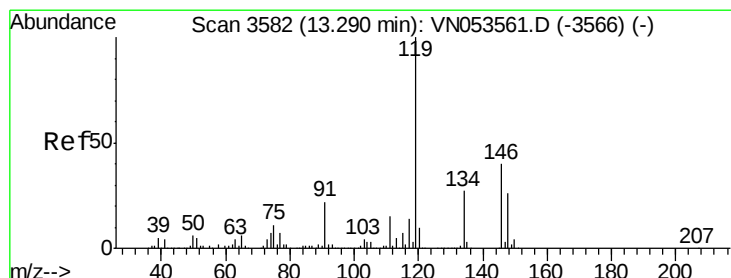
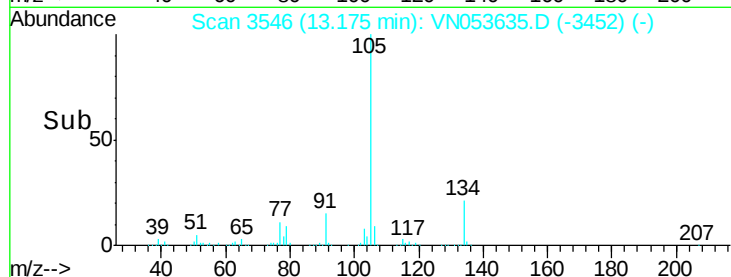
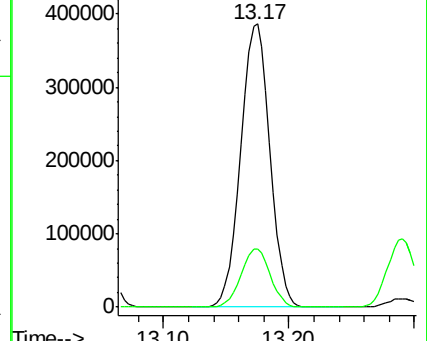
105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.371 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

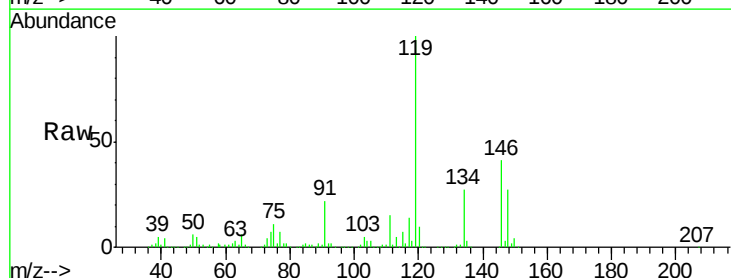
Tgt Ion:119 Resp: 535312

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

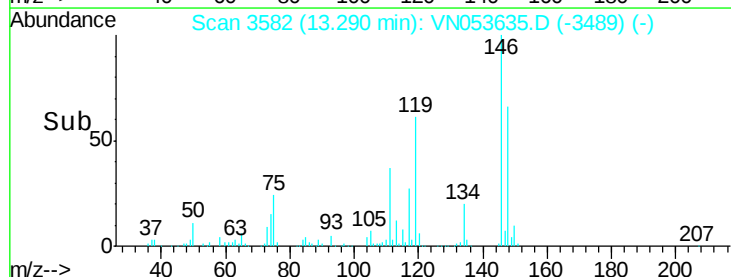
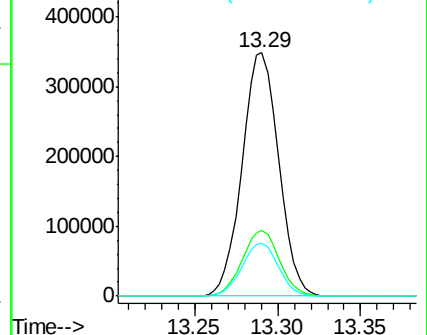
91 21.6 11.0 33.0

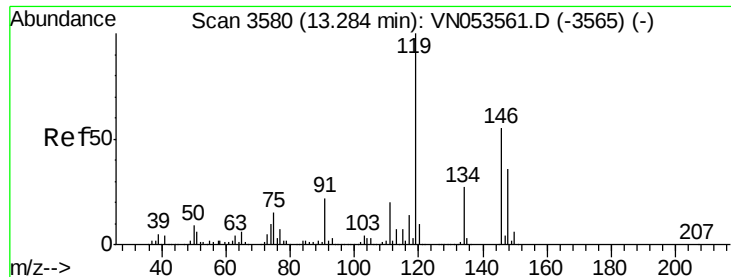


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.482 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

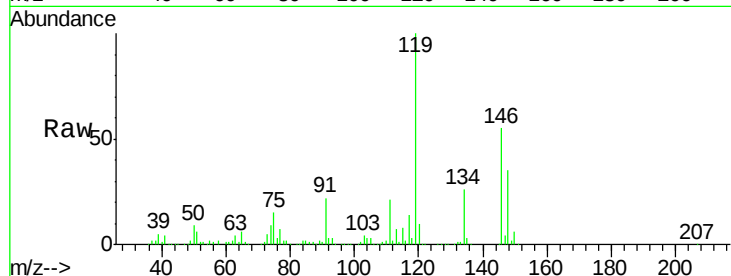
Tot Ion:146 Resp: 284351

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.3

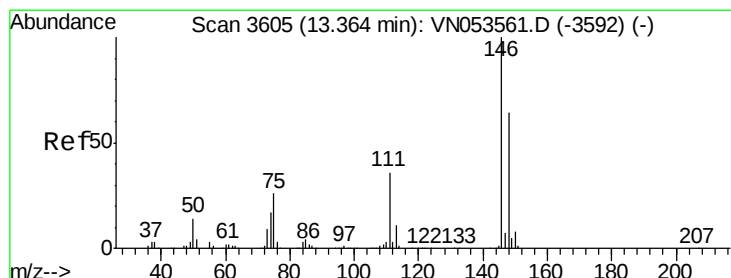
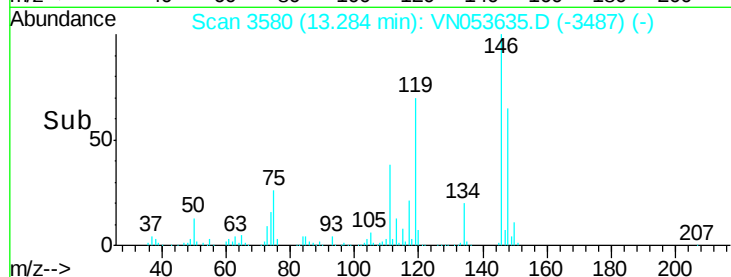
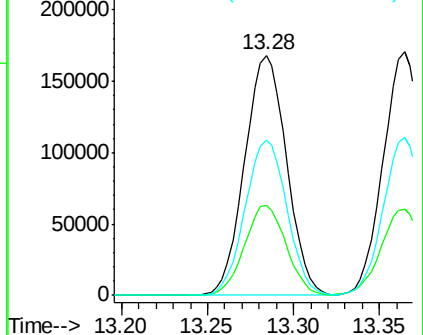
148 64.4 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 19.427 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

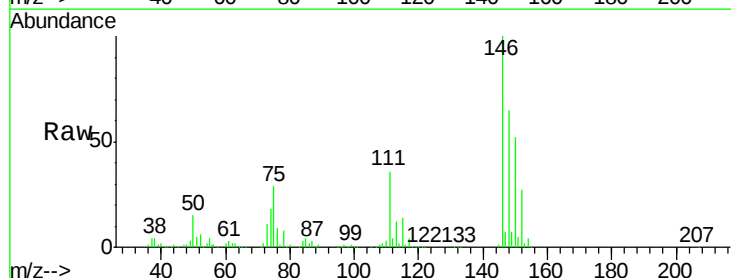
Tgt Ion:146 Resp: 280480

Ion Ratio Lower Upper

146 100

111 37.1 18.6 55.8

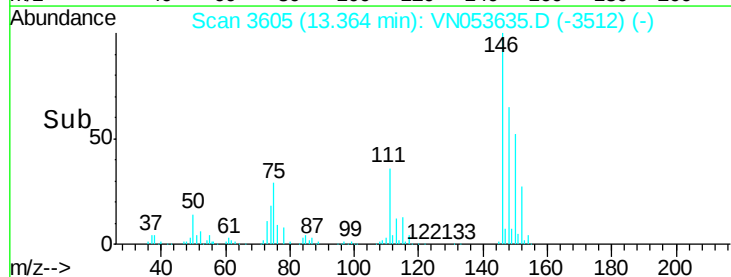
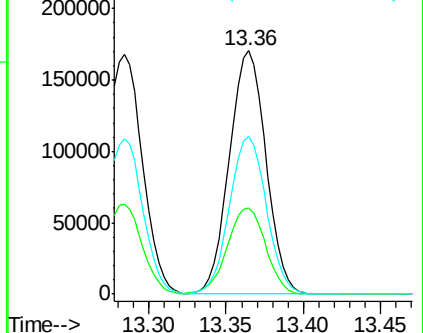
148 65.1 32.4 97.0

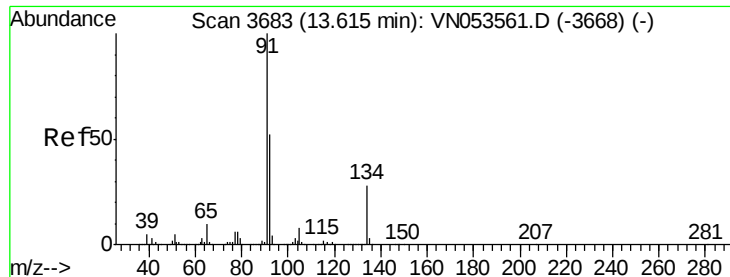


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.283 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

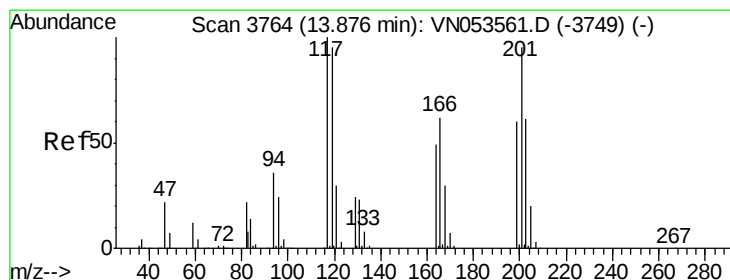
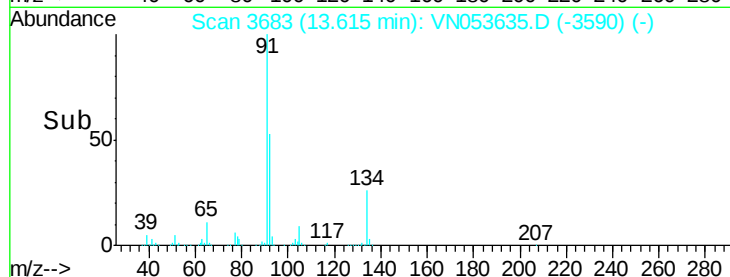
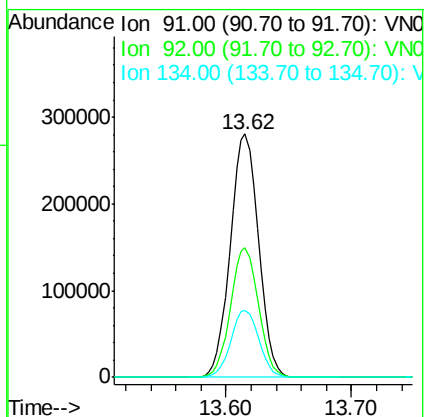
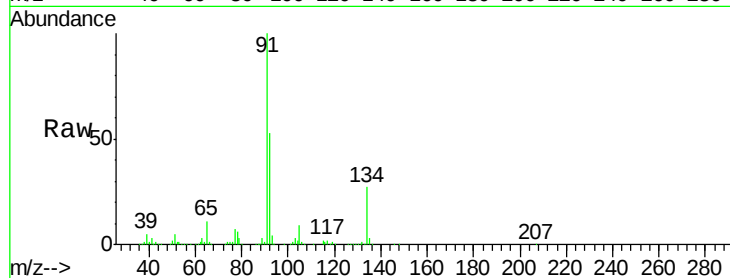
Tot Ion: 91 Resp: 438598

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.8

134 27.3 13.5 40.5



#90

Hexachloroethane

Concen: 20.149 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053635.D

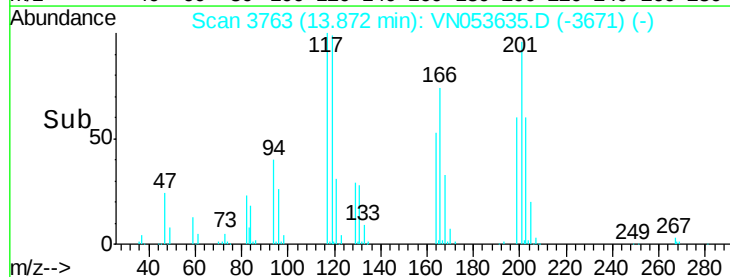
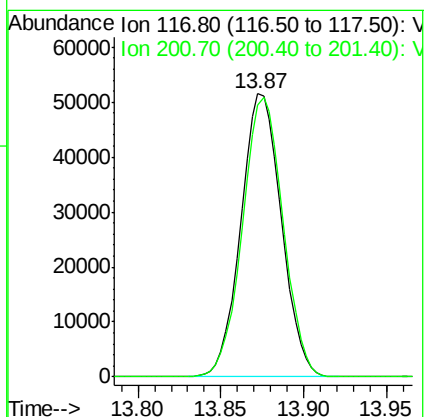
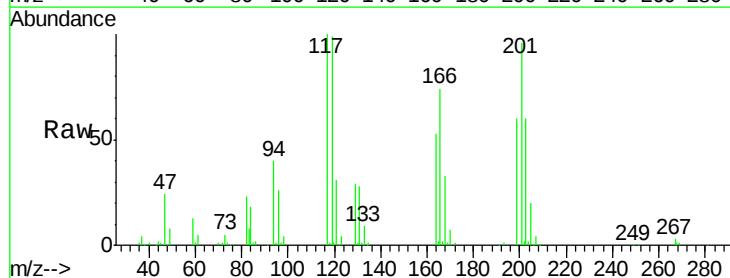
Acq: 6 Feb 2019 15:23

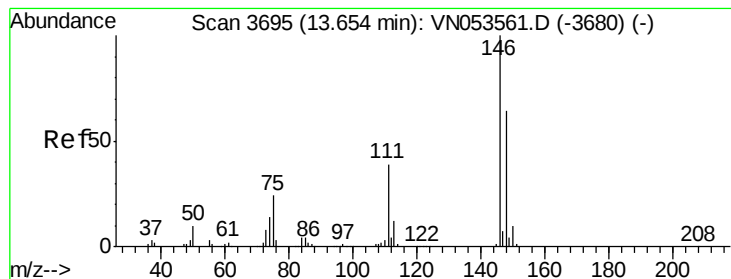
Tgt Ion: 117 Resp: 87337

Ion Ratio Lower Upper

117 100

201 99.1 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.162 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

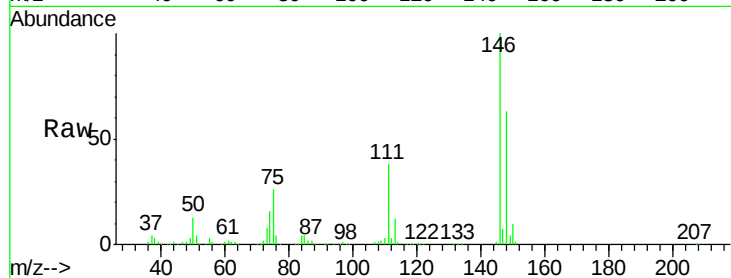
Tot Ion:146 Resp: 281729

Ion Ratio Lower Upper

146 100

111 38.2 19.5 58.5

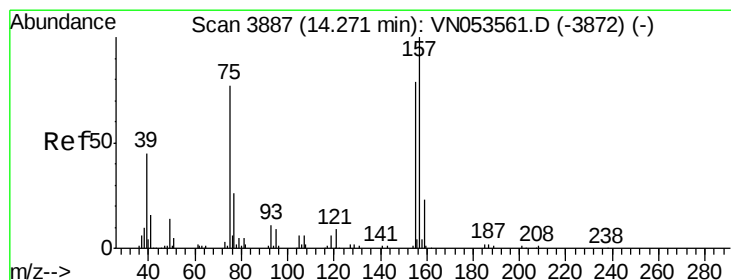
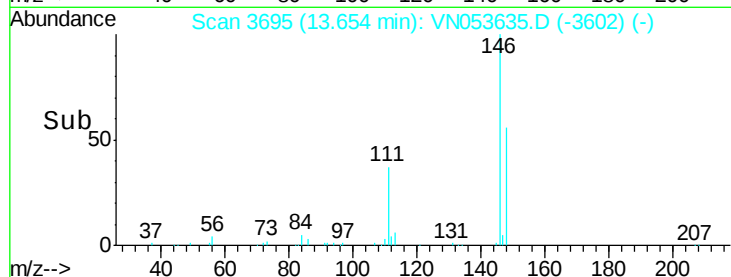
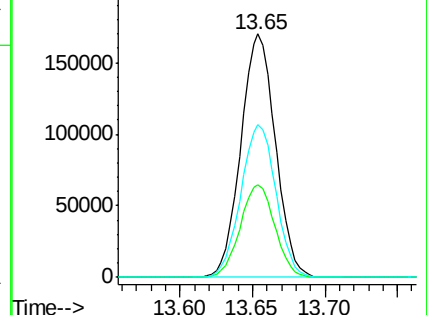
148 63.6 31.9 95.9



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: 21.649 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

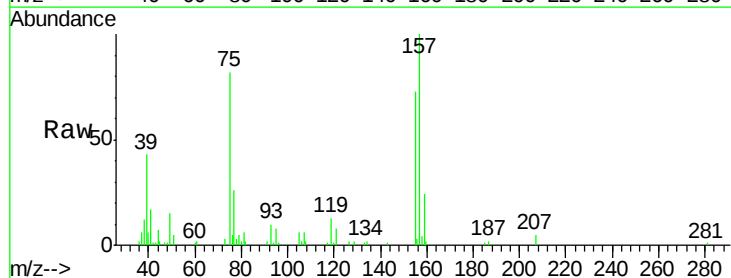
Tgt Ion: 75 Resp: 22245

Ion Ratio Lower Upper

75 100

155 93.6 48.9 146.7

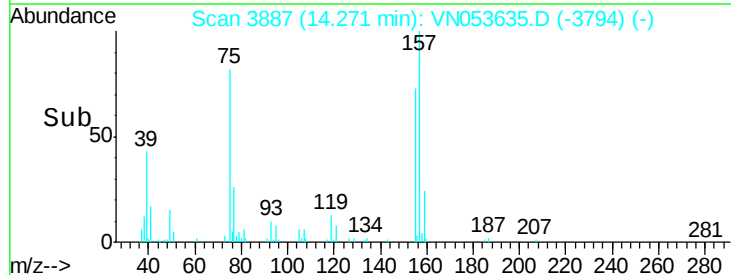
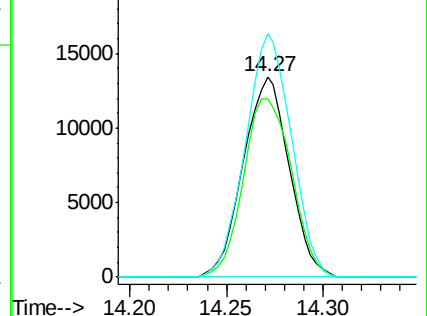
157 121.9 63.7 191.3

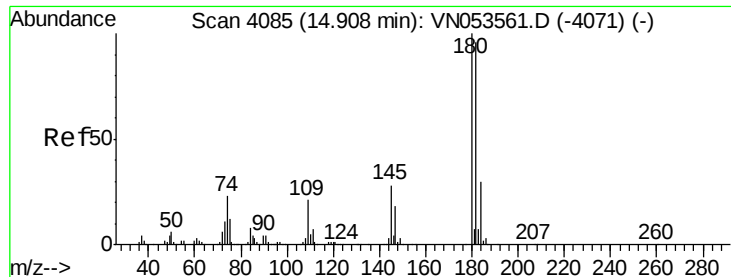


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.974 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

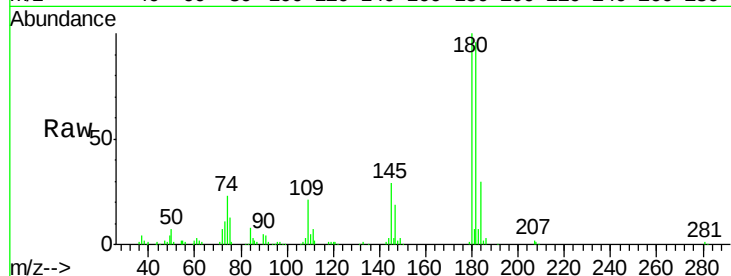
Tot Ion:180 Resp: 152059

Ion Ratio Lower Upper

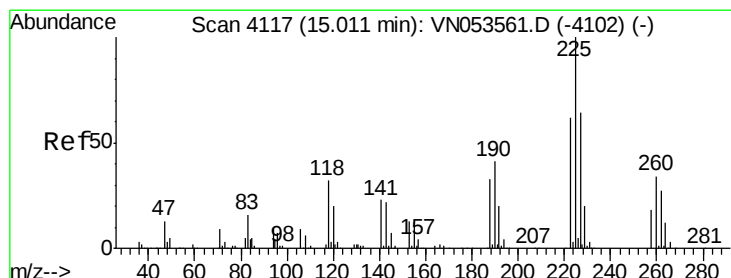
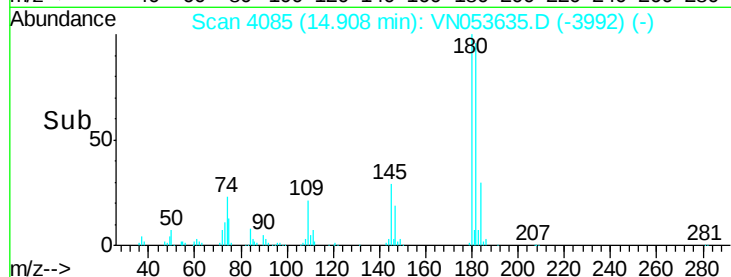
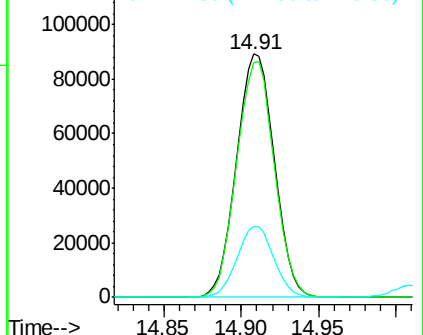
180 100

182 96.4 48.1 144.3

145 28.2 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: 19.958 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

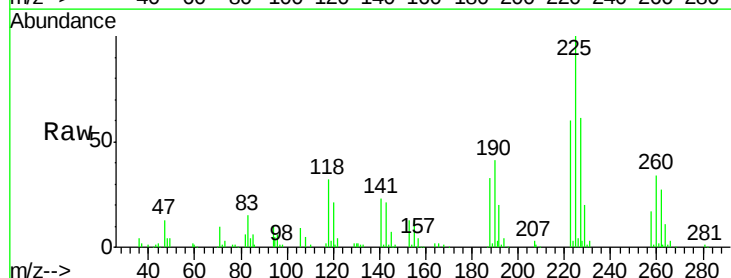
Tgt Ion:225 Resp: 99606

Ion Ratio Lower Upper

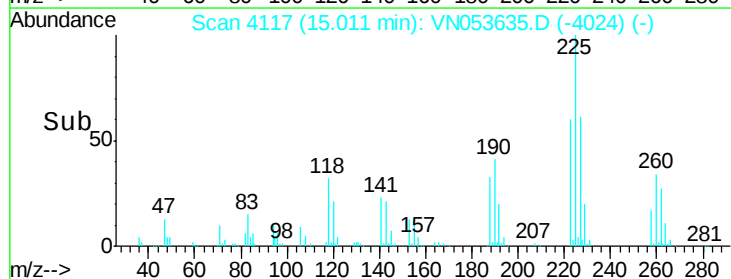
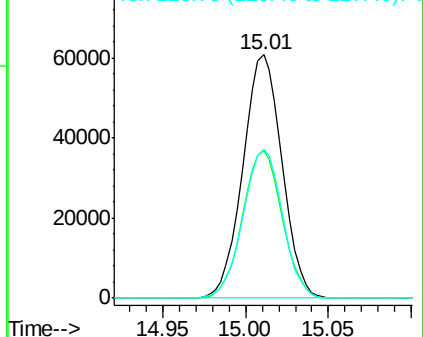
225 100

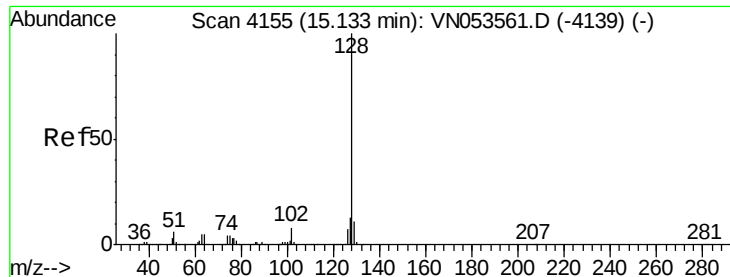
223 61.4 31.1 93.2

227 61.9 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: 18.093 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

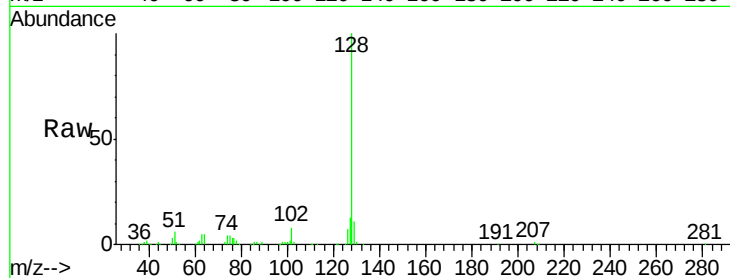
Tot Ion:128 Resp: 319000

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

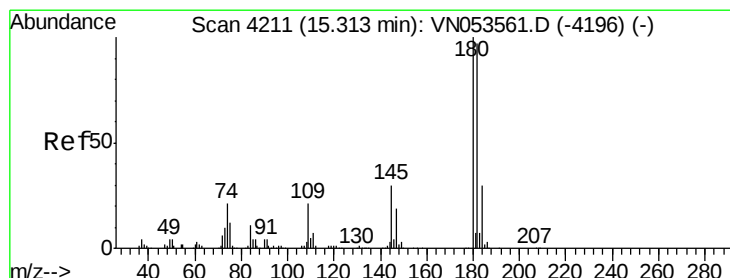
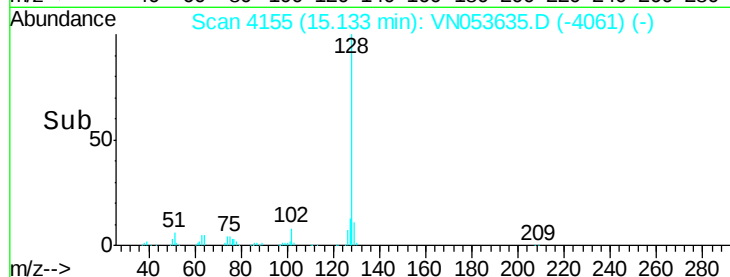
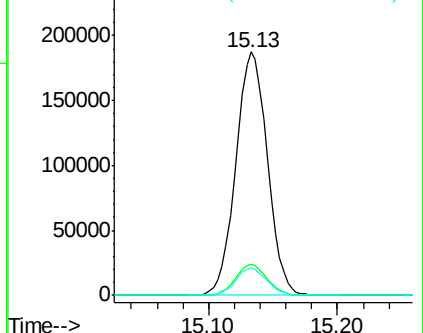
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.485 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053635.D

Acq: 6 Feb 2019 15:23

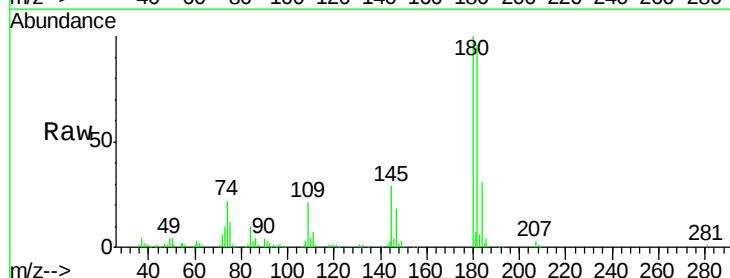
Tgt Ion:180 Resp: 144886

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.8

145 28.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

