

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060569.D
 Acq On : 17 Mar 2020 21:06
 Operator : JC/MD
 Sample : VN0317WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

Quant Time: Mar 18 08:52:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	215529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	363546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	140904	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	7.57	113	105227	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	10.08	98	418776	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	12.40	95	142147	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	793	0.204	ug/l #	83
13) Acrolein	3.59	56	323	0.670	ug/l #	66
15) Acrylonitrile	4.96	53	959	0.749	ug/l #	57
16) Acetone	3.79	43	1078	1.029	ug/l #	43
17) Carbon Disulfide	4.03	76	6303	0.888	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	649	0.261	ug/l	90
23) Vinyl Acetate	5.88	43	1651	0.233	ug/l #	74
29) Tetrahydrofuran	7.20	42	695	0.579	ug/l #	42
31) Cyclohexane	7.64	56	5172	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.78	75	892	0.253	ug/l #	65
38) Carbon Tetrachloride	7.64	117	20424	6.473	ug/l #	15
39) Methylcyclohexane	9.06	83	1052	0.251	ug/l #	83
44) Trichloroethene	8.81	130	708	0.264	ug/l	93
49) 1,4-Dioxane	9.18	88	63	1.898	ug/l #	20
51) 4-Methyl-2-Pentanone	9.97	43	1918	0.537	ug/l #	86
53) t-1,3-Dichloropropene	10.37	75	916	0.226	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.68	63	614	0.321	ug/l #	50
59) 2-Hexanone	10.74	43	2839	1.104	ug/l	87
64) Tetrachloroethene	10.62	164	798	0.315	ug/l #	81
65) Chlorobenzene	11.43	112	1646	0.258	ug/l	91
68) m/p-Xylenes	11.62	106	1755	0.398	ug/l	95
70) Styrene	11.96	104	1444	0.210	ug/l	97
71) Bromoform	12.12	173	128	1.745	ug/l #	29
74) N-amyl acetate	12.07	43	1931	0.400	ug/l #	73
76) 1,2,3-Trichloropropane	12.40	75	70835	23.608	ug/l #	100
77) Bromobenzene	12.52	156	855	0.340	ug/l	93
78) n-propylbenzene	12.59	91	3793	0.308	ug/l	98
79) 2-Chlorotoluene	12.67	91	1923	0.261	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	2099	0.237	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.40	75	70835	60.631	ug/l #	13
82) 4-Chlorotoluene	12.77	91	3294	0.439	ug/l	93
83) tert-Butylbenzene	12.99	119	1570	0.214	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	2320	0.265	ug/l	95
85) sec-Butylbenzene	13.17	105	2711	0.275	ug/l	99

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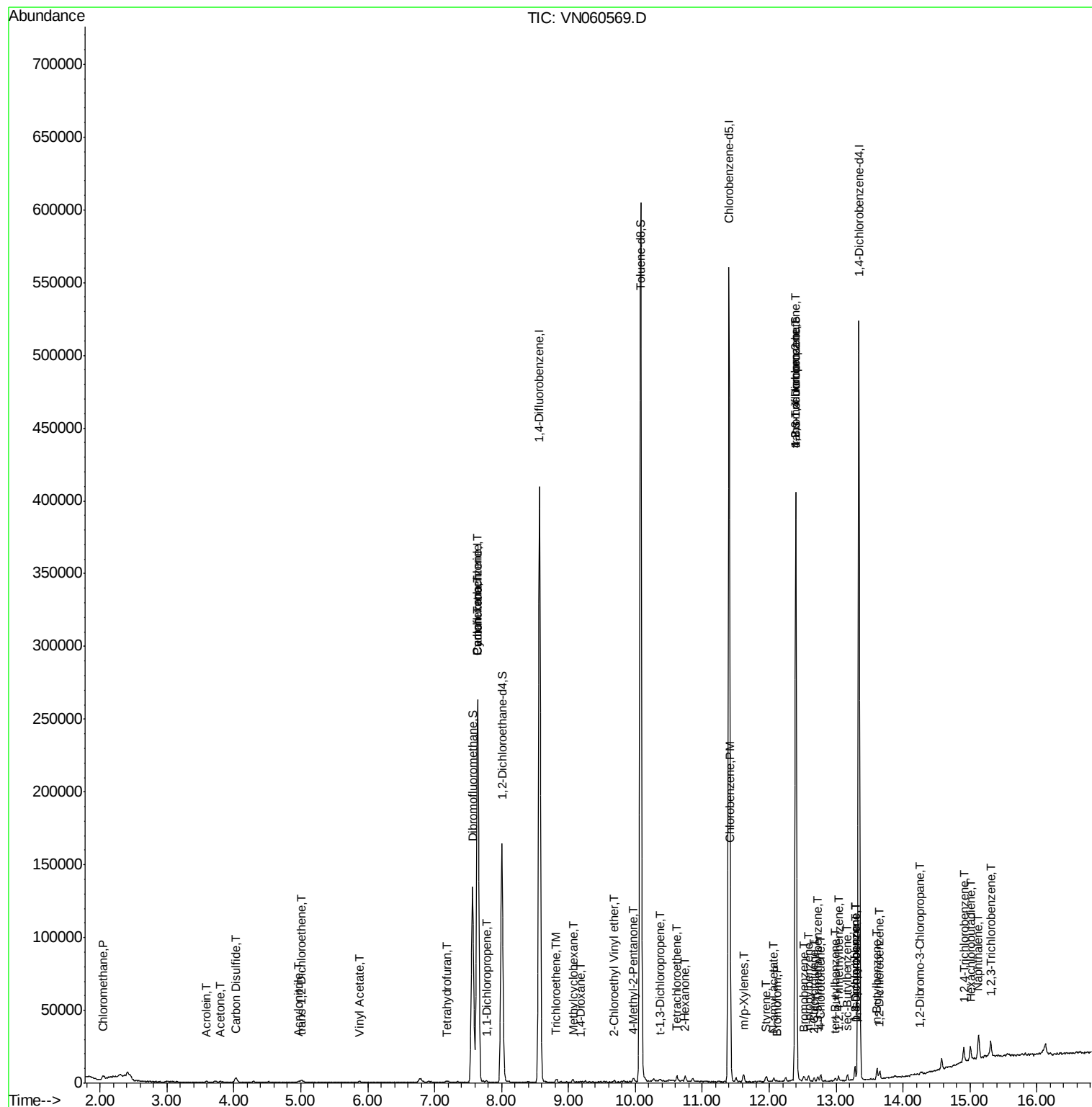
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.28	119	2997	0.338	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	2486	0.561	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	2486	0.558	ug/l	98
89) n-Butylbenzene	13.61	91	4489	0.560	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2144	0.506	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	538	0.549	ug/l #	38
93) 1,2,4-Trichlorobenzene	14.91	180	3592	1.379	ug/l	99
94) Hexachlorobutadiene	15.01	225	2057	1.611	ug/l	92
95) Naphthalene	15.13	128	13700	1.749	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	4375	1.706	ug/l	96

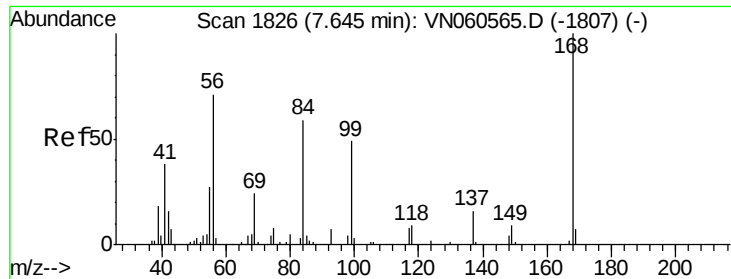
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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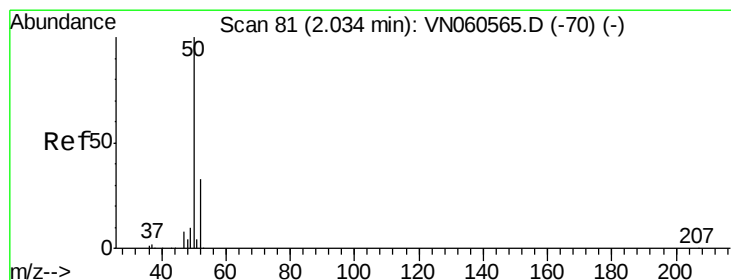
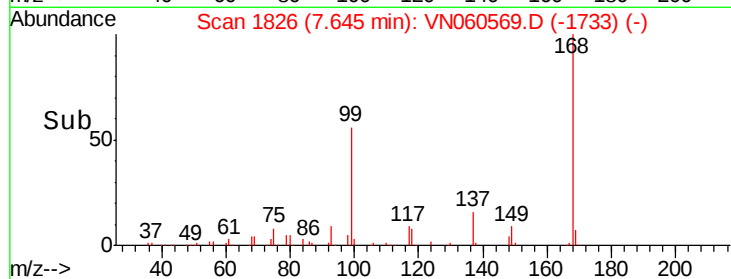
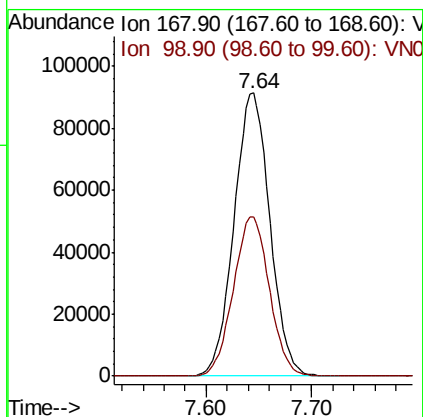
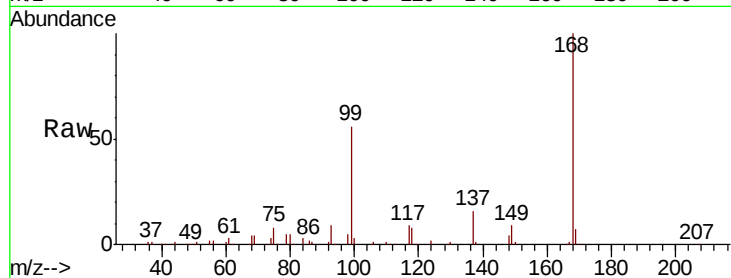




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

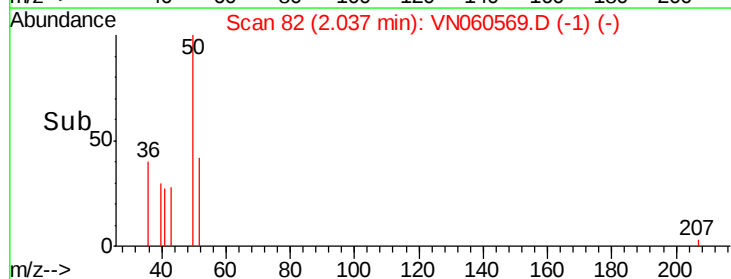
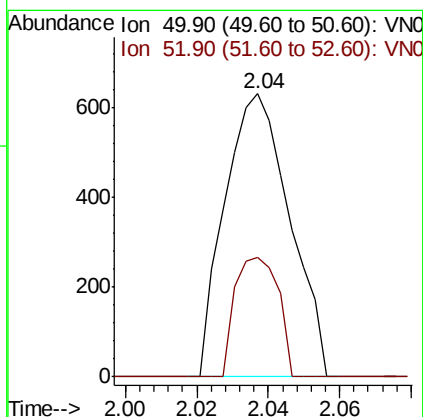
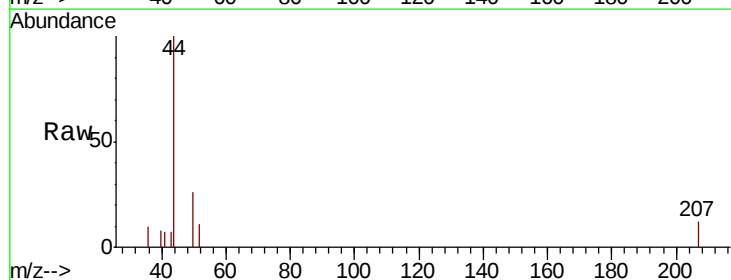
Instrument :
MSVOA_N
ClientSampleId :
VN0317WBL01

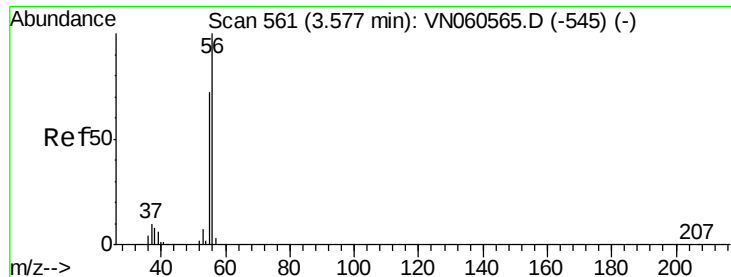
Tot Ion:168 Resp: 21529
Ion Ratio Lower Upper
168 100
99 56.4 44.0 66.0



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

Tgt Ion: 50 Resp: 793
Ion Ratio Lower Upper
50 100
52 42.4 26.2 39.2#





#13

Acrolein

Concen: 0.670 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.02 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

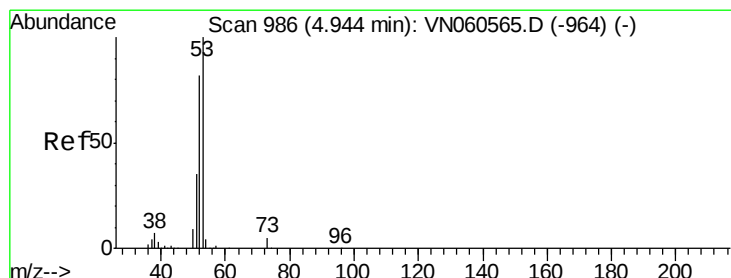
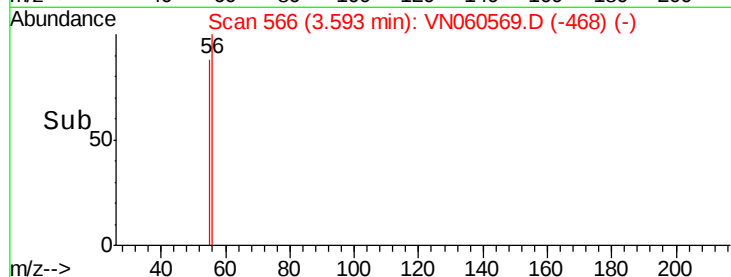
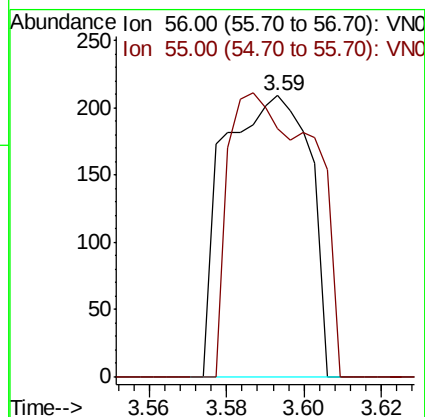
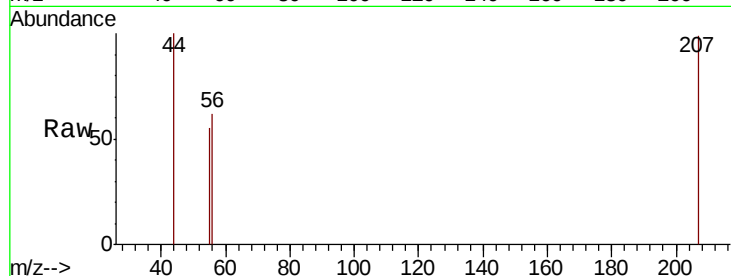
VN0317WBL01

Tot Ion: 56 Resp: 323

Ion Ratio Lower Upper

56 100

55 99.1 56.7 85.1#



#15

Acrylonitrile

Concen: 0.749 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.02 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

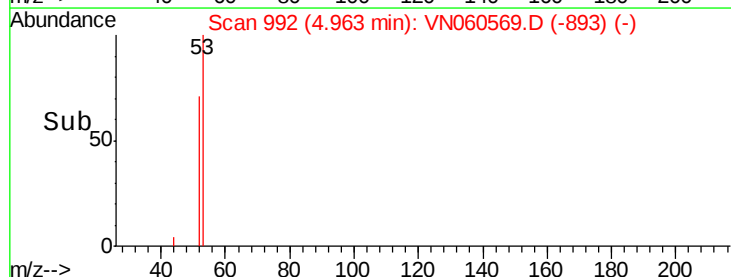
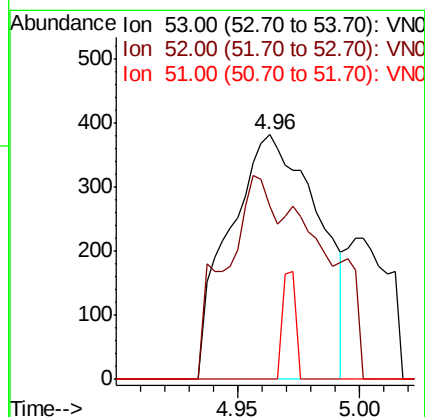
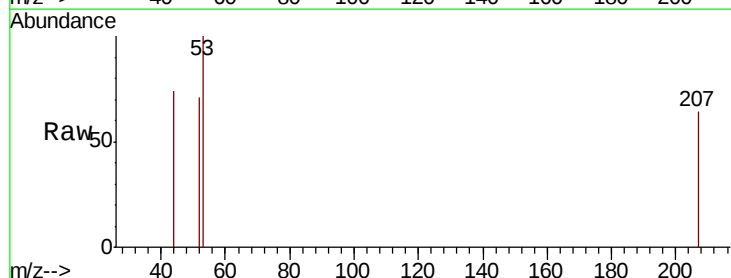
Tgt Ion: 53 Resp: 959

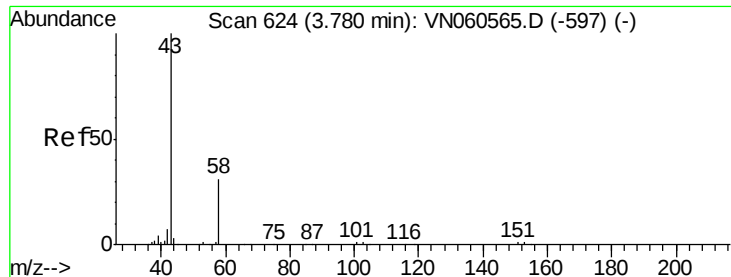
Ion Ratio Lower Upper

53 100

52 46.3 66.2 99.4#

51 6.7 28.7 43.1#





#16

Acetone

Concen: 1.029 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

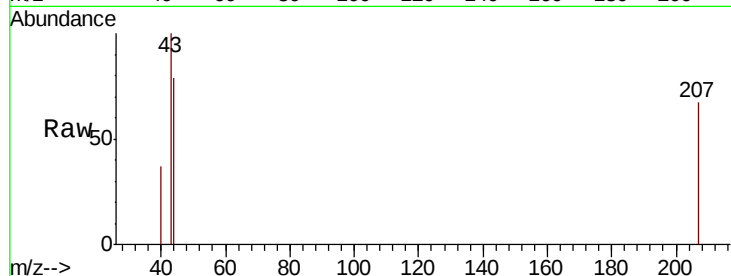
VN0317WBL01

Tot Ion: 43 Resp: 1078

Ion Ratio Lower Upper

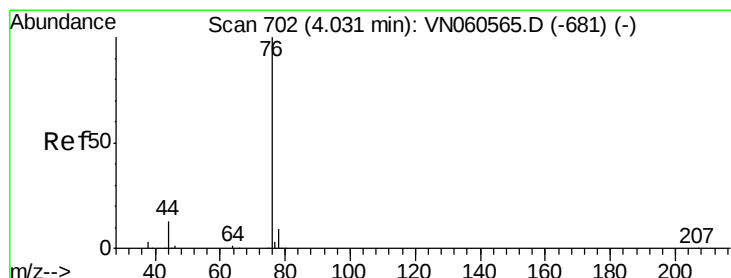
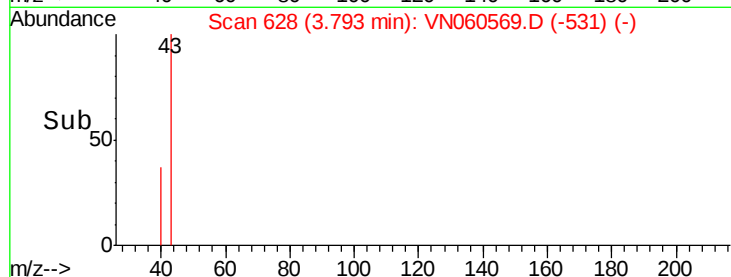
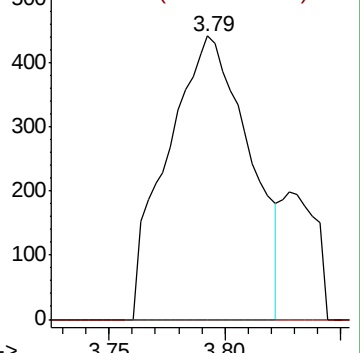
43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.888 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060569.D

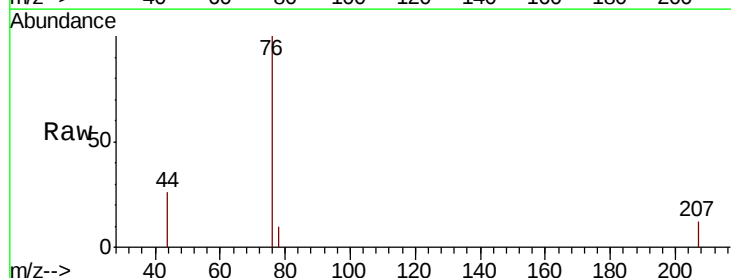
Acq: 17 Mar 2020 21:06

Tgt Ion: 76 Resp: 6303

Ion Ratio Lower Upper

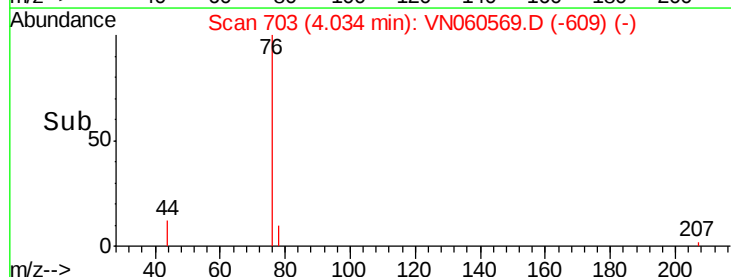
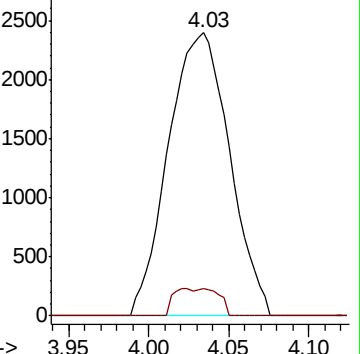
76 100

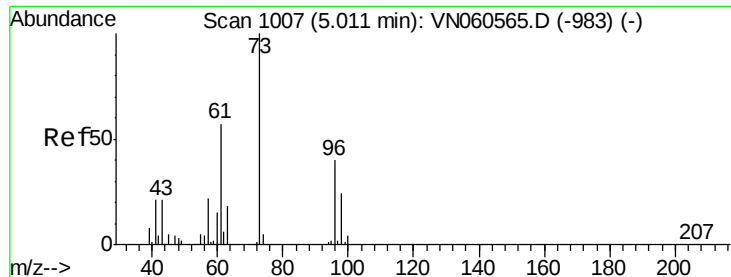
78 9.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 0.261 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

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ClientSampleId :

VN0317WBL01

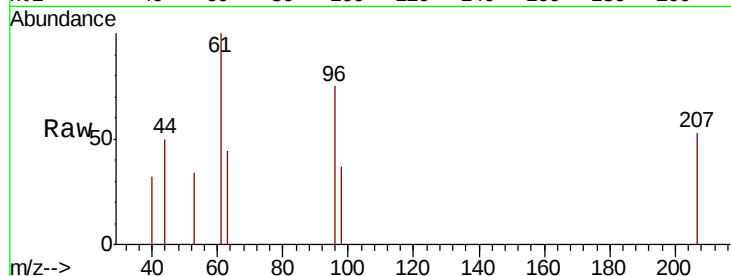
Tot Ion: 96 Resp: 649

Ion Ratio Lower Upper

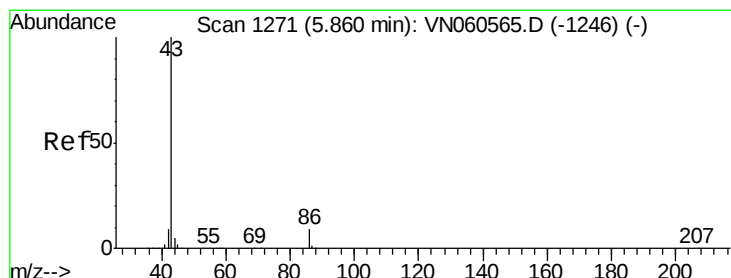
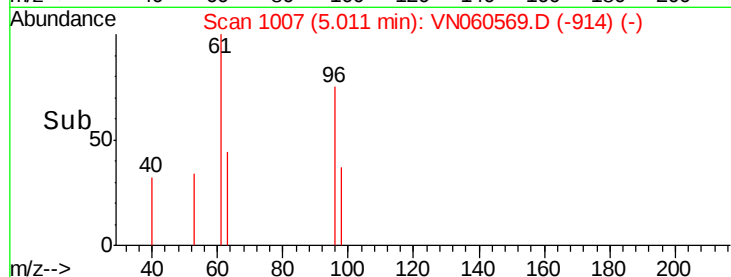
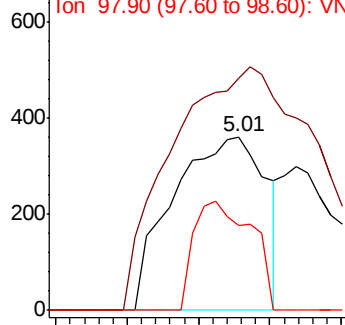
96 100

61 133.8 114.4 171.6

98 49.0 48.4 72.6



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



#23

Vinyl Acetate

Concen: 0.233 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.02 min

Lab File: VN060569.D

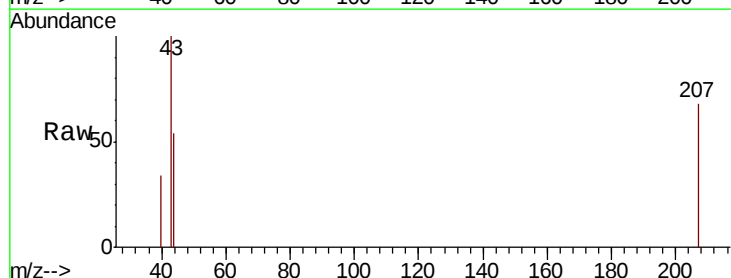
Acq: 17 Mar 2020 21:06

Tgt Ion: 43 Resp: 1651

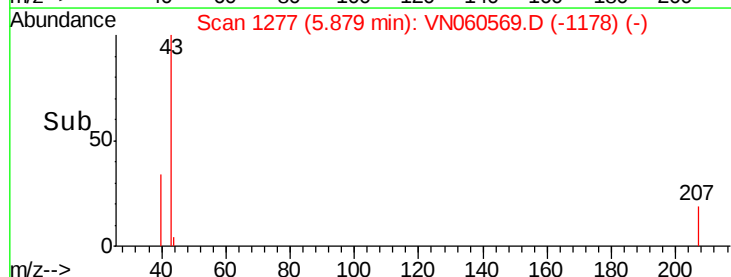
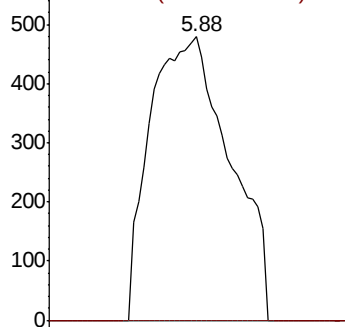
Ion Ratio Lower Upper

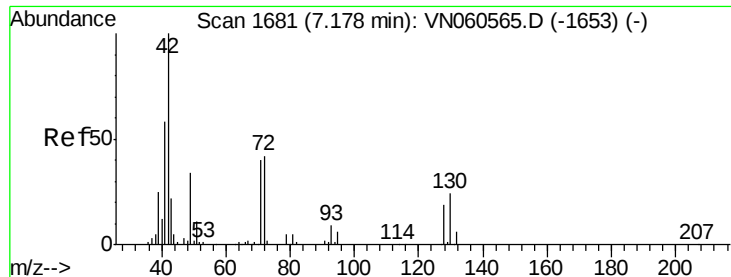
43 100

86 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#29

Tetrahydrofuran

Concen: 0.579 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.02 min

Lab File: VN060569.D

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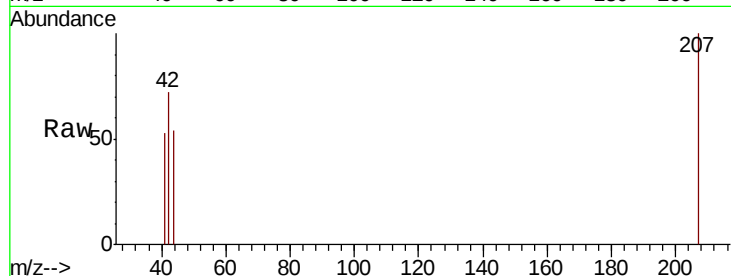
Tot Ion: 42 Resp: 695

Ion Ratio Lower Upper

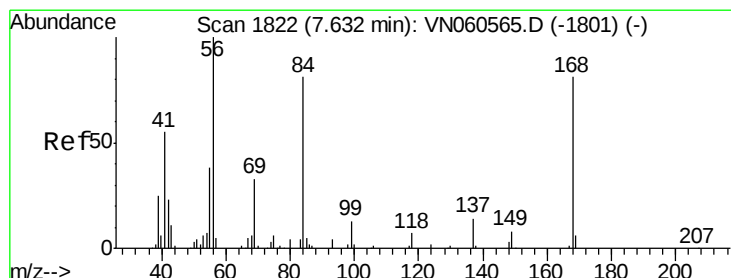
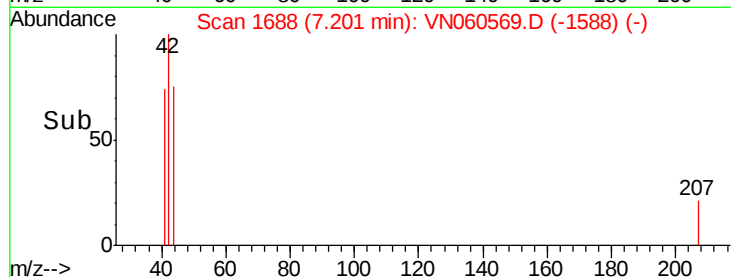
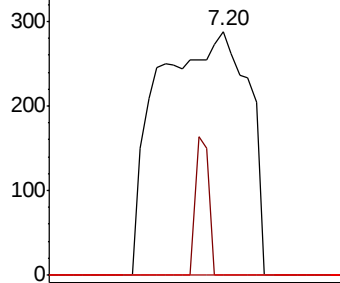
42 100

72 8.6 33.2 49.8#

71 0.0 31.1 46.7#



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



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

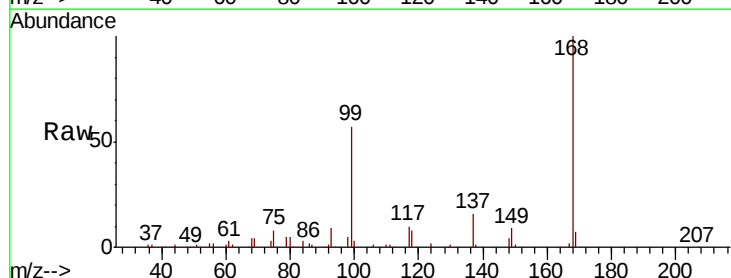
Tgt Ion: 56 Resp: 5172

Ion Ratio Lower Upper

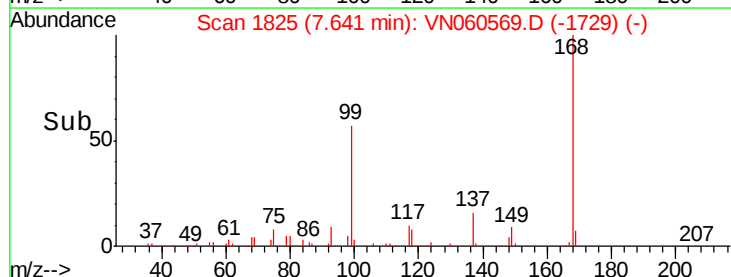
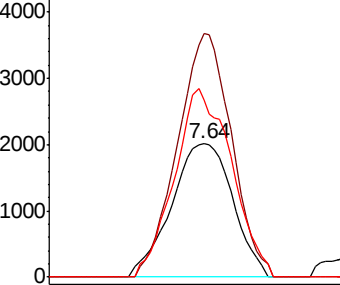
56 100

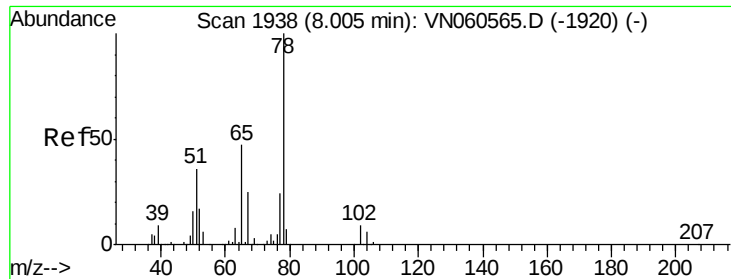
69 182.8 26.6 40.0#

84 133.3 64.3 96.5#



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





#33

1,2-Dichloroethane-d4

Concen: 47.623 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

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Acq: 17 Mar 2020 21:06

Instrument :

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ClientSampleId :

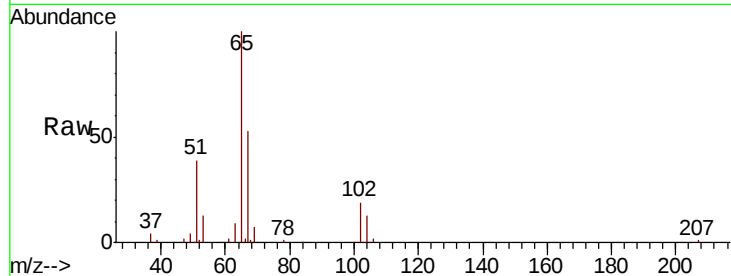
VN0317WBL01

Tot Ion: 65 Resp: 140904

Ion Ratio Lower Upper

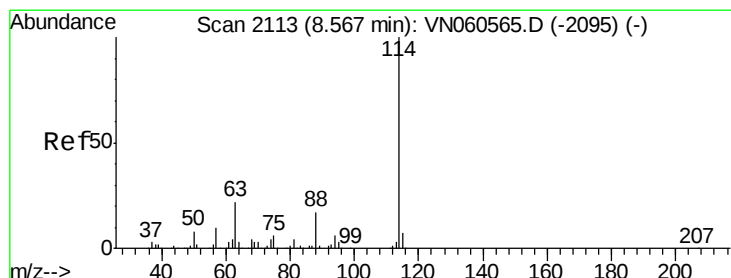
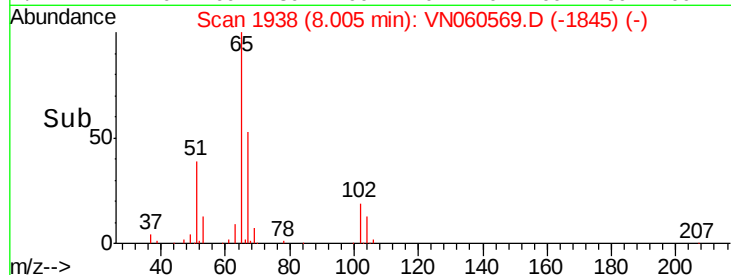
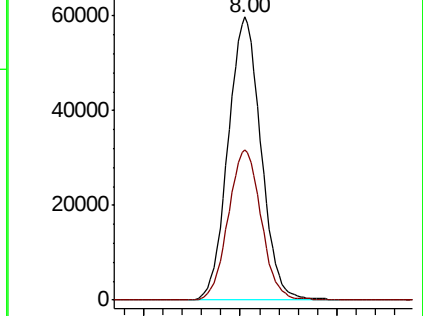
65 100

67 53.2 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

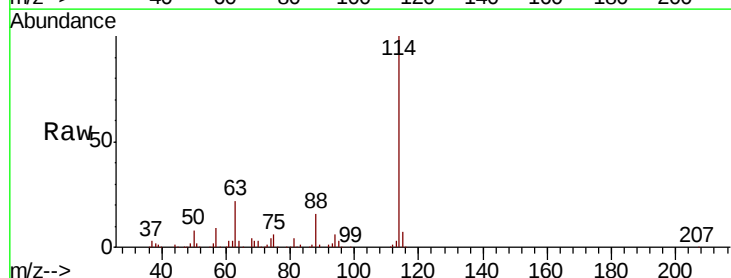
Tgt Ion: 114 Resp: 363546

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

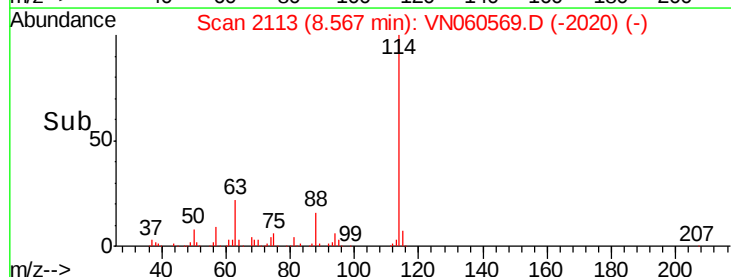
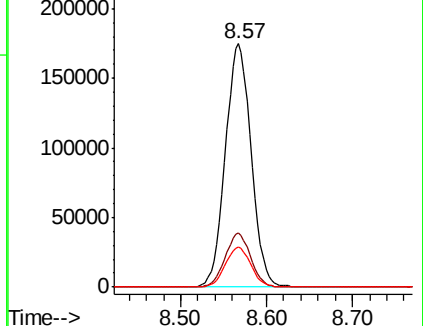
88 16.4 0.0 33.0

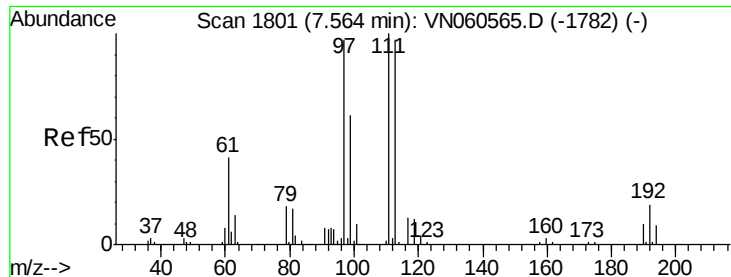


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

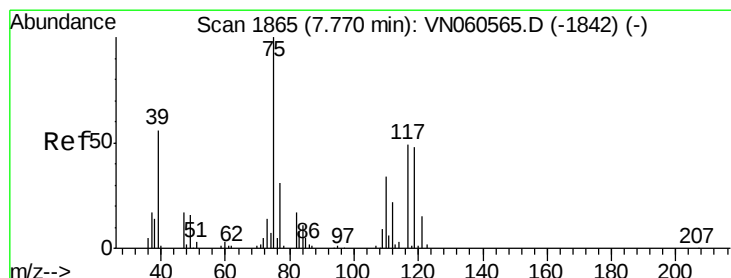
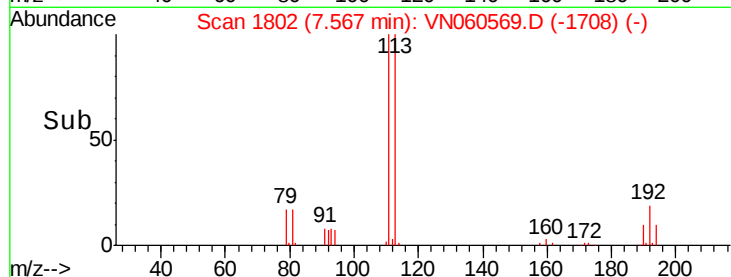
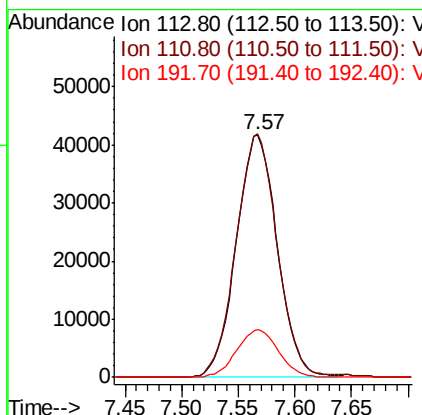
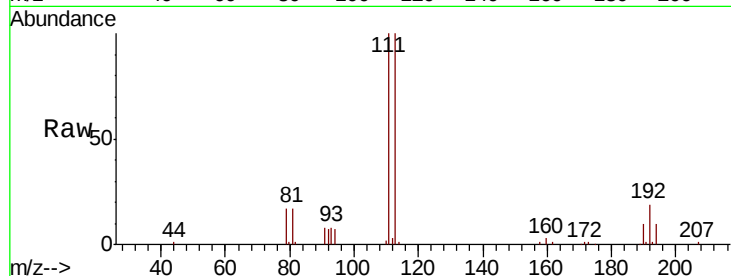




#35
 Dibromofluoromethane
 Concen: 47.869 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

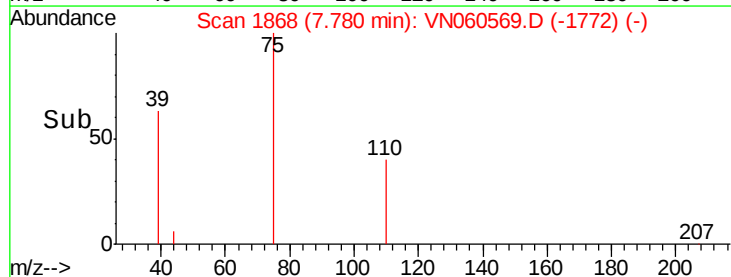
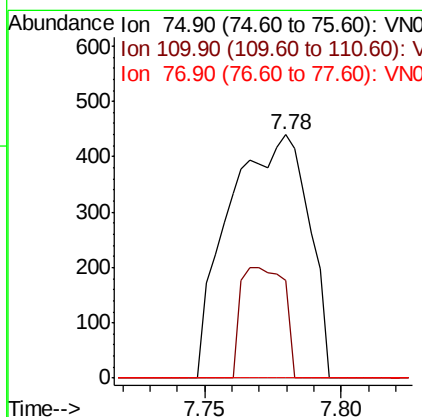
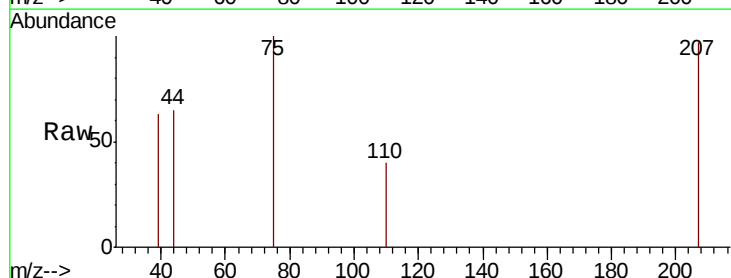
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

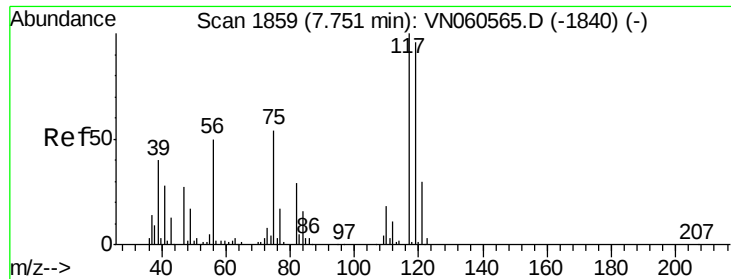
Tot Ion:113 Resp: 105227
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.9 124.3
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 0.253 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Tgt Ion: 75 Resp: 892
 Ion Ratio Lower Upper
 75 100
 110 24.4 16.9 50.6
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBL01

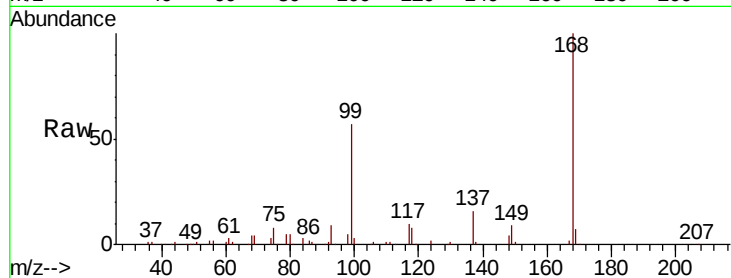
Tot Ion:117 Resp: 20424

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.2#

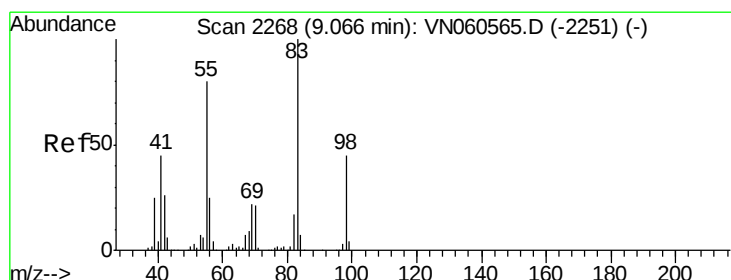
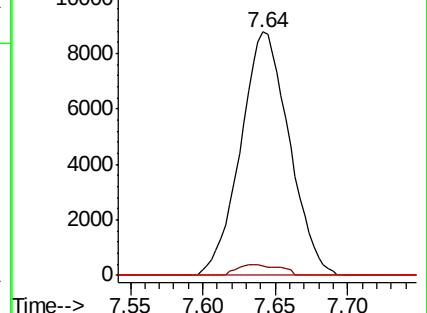
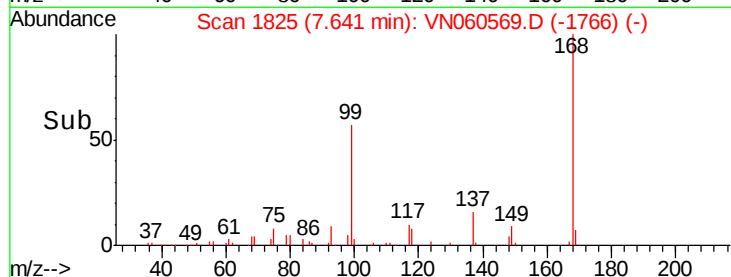
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.251 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

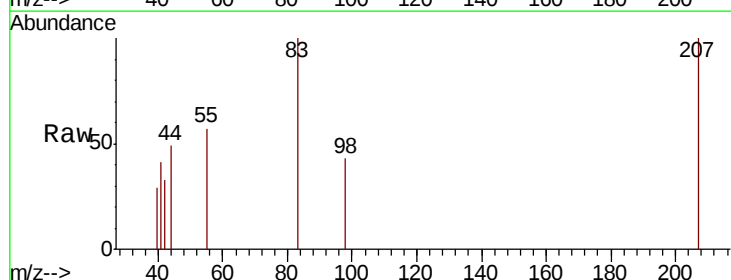
Tgt Ion: 83 Resp: 1052

Ion Ratio Lower Upper

83 100

55 56.9 63.6 95.4#

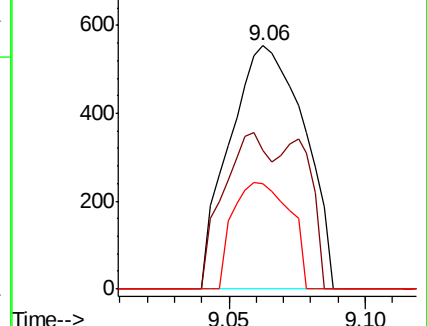
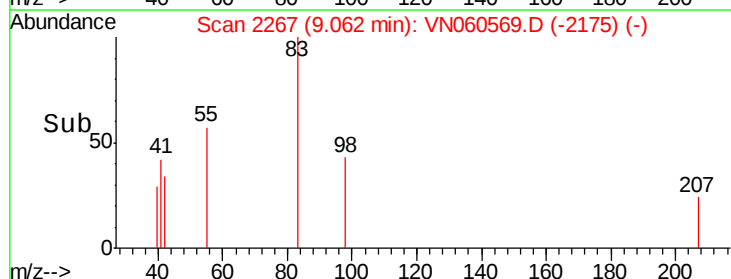
98 43.3 36.0 54.0

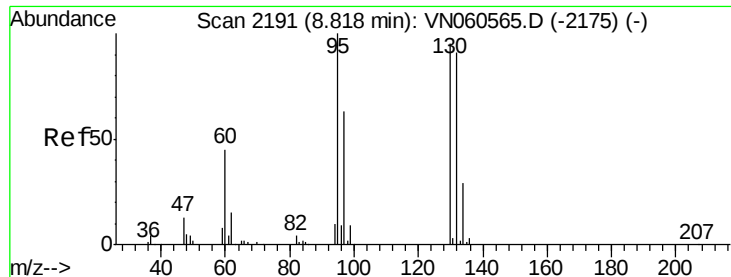


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

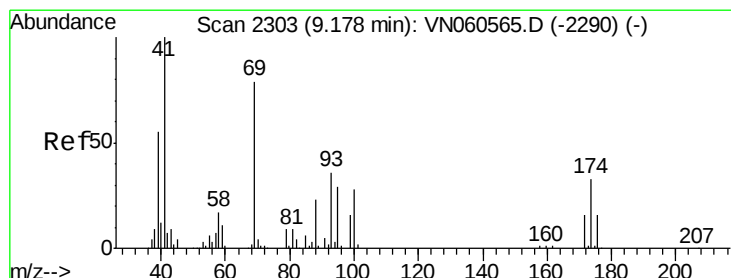
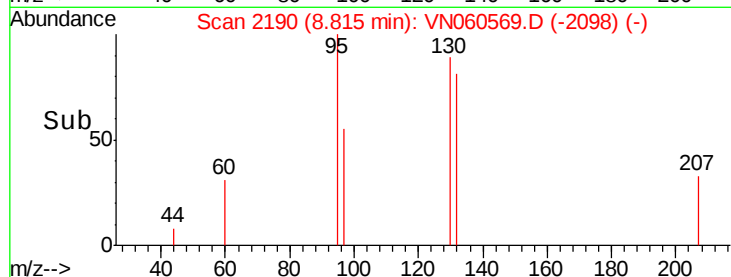
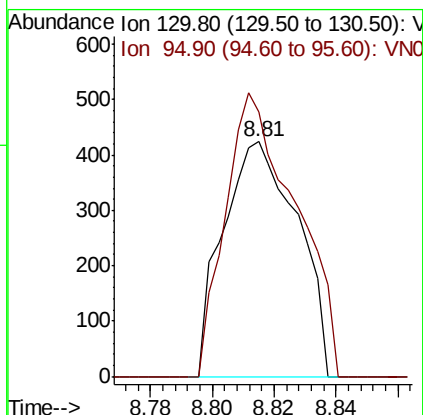
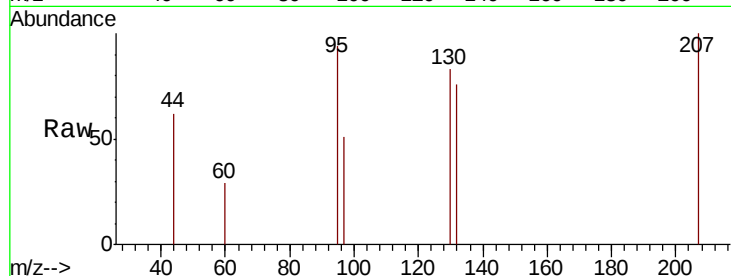




#44
 Trichloroethene
 Concen: 0.264 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

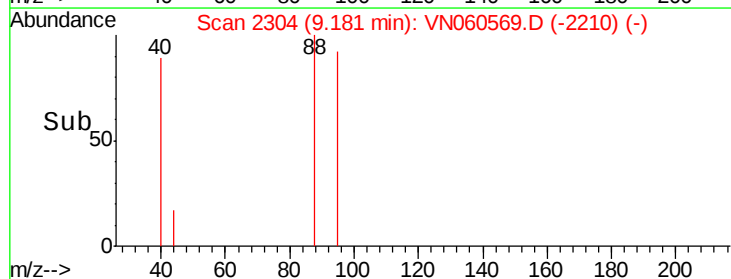
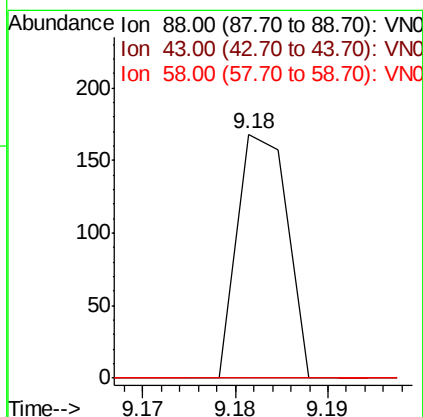
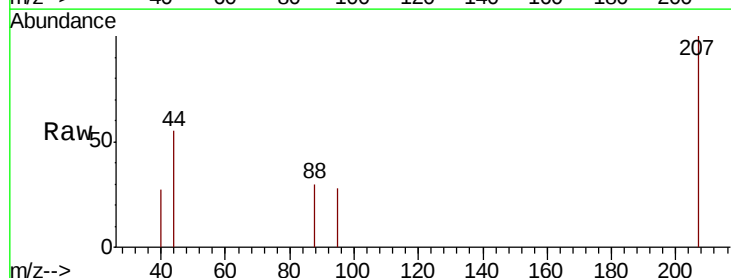
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

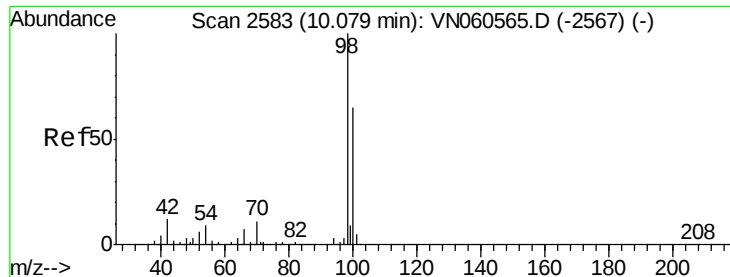
Tot Ion:130 Resp: 708
 Ion Ratio Lower Upper
 130 100
 95 112.5 0.0 211.2



#49
 1,4-Dioxane
 Concen: 1.898 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.8 46.2#
 58 0.0 59.8 89.8#





#50

Toluene-d8

Concen: 46.640 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampled :

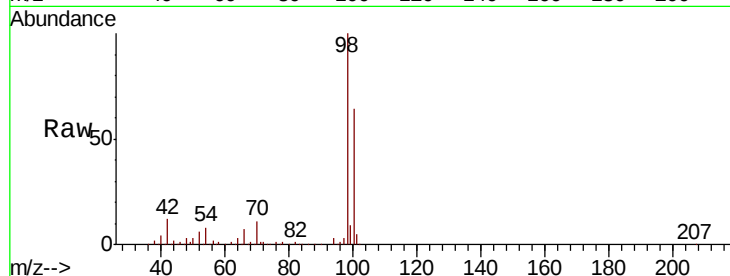
VN0317WBL01

Tot Ion: 98 Resp: 418776

Ion Ratio Lower Upper

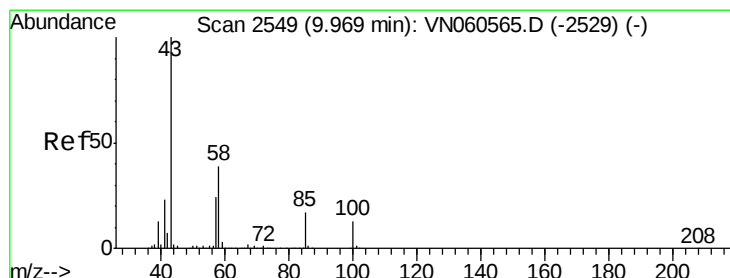
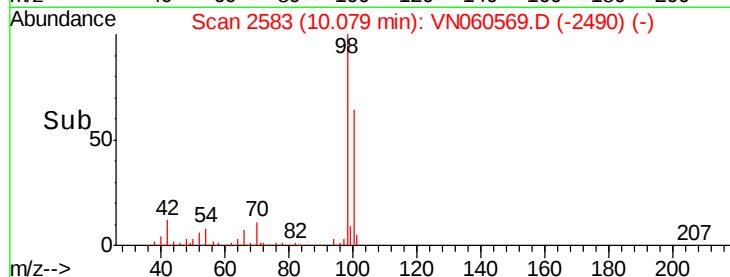
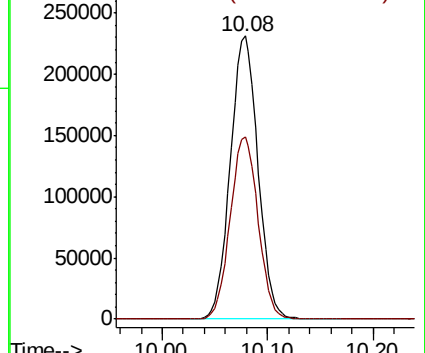
98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.537 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060569.D

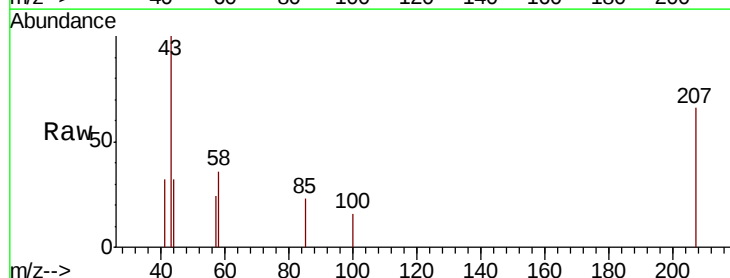
Acq: 17 Mar 2020 21:06

Tgt Ion: 43 Resp: 1918

Ion Ratio Lower Upper

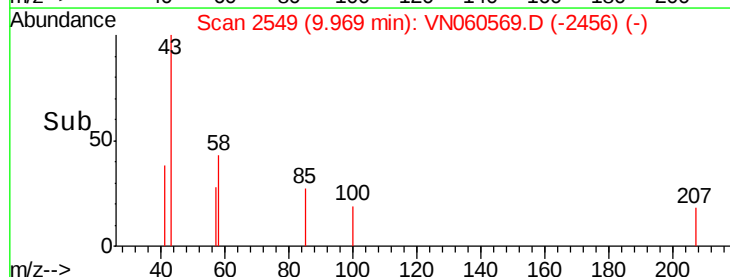
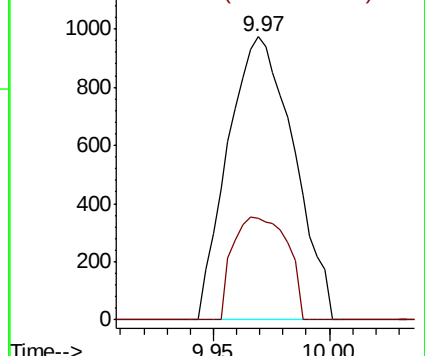
43 100

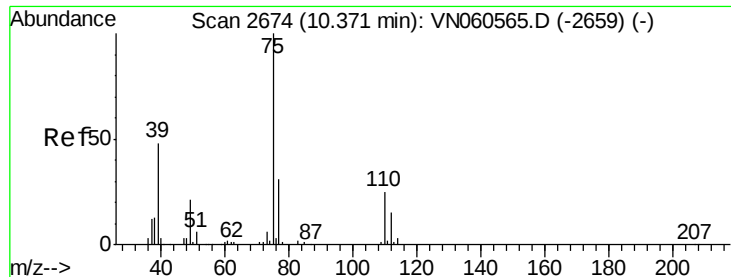
58 29.8 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.226 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampled :

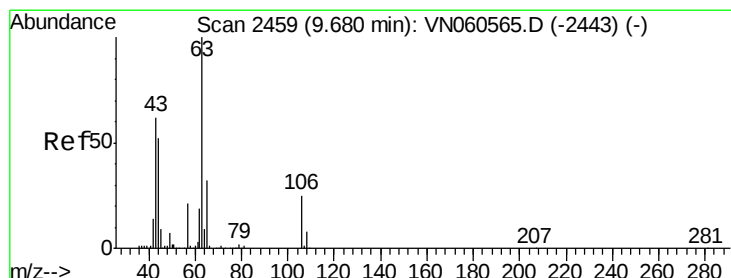
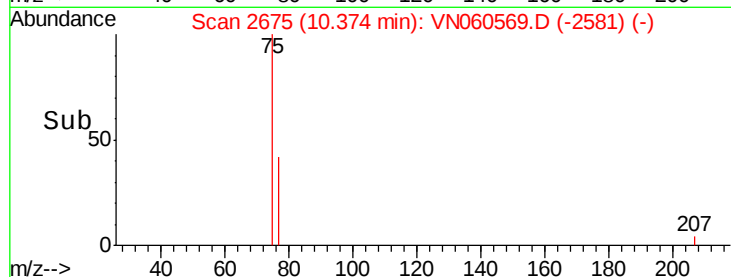
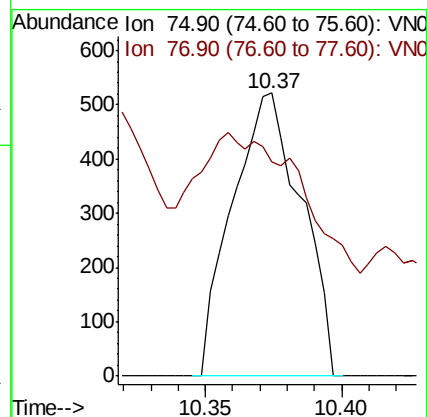
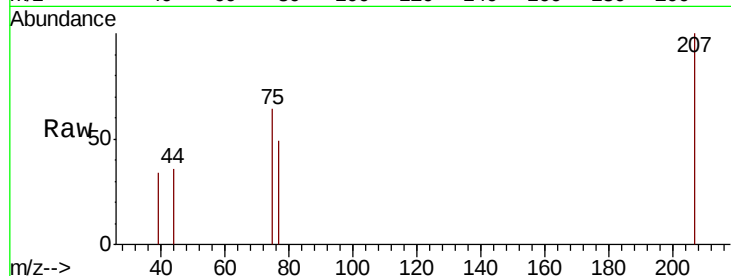
VN0317WBL01

Tot Ion: 75 Resp: 916

Ion Ratio Lower Upper

75 100

77 29.3 25.1 37.7



#58

2-Chloroethyl Vinyl ether

Concen: 0.321 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN060569.D

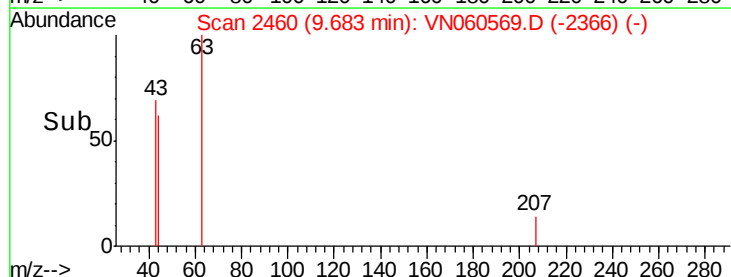
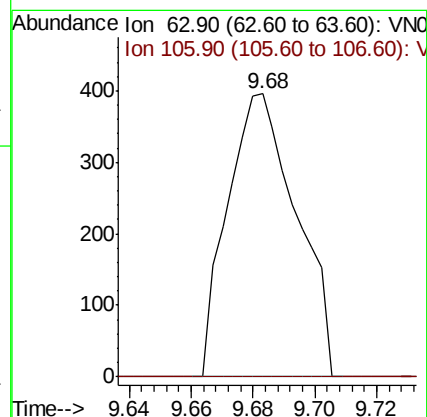
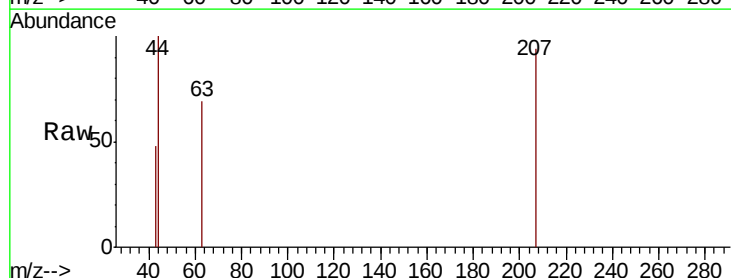
Acq: 17 Mar 2020 21:06

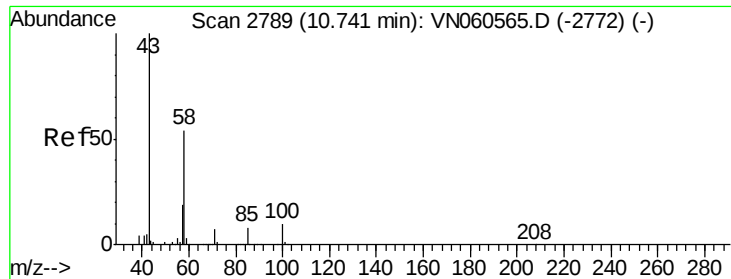
Tgt Ion: 63 Resp: 614

Ion Ratio Lower Upper

63 100

106 0.0 20.0 30.0#

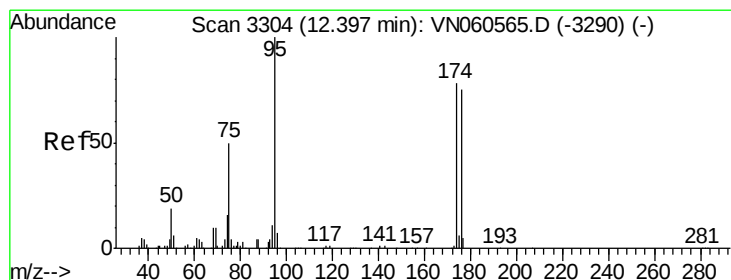
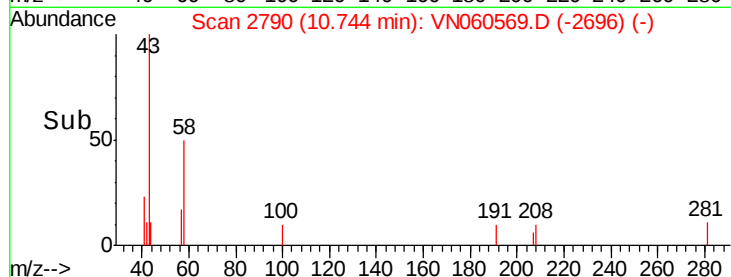
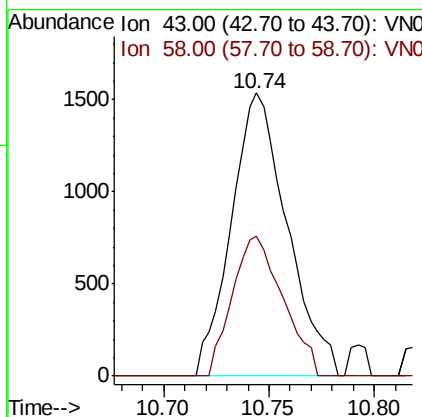
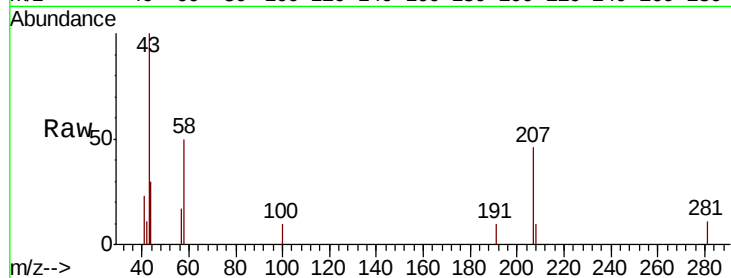




#59
2-Hexanone
Concen: 1.104 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

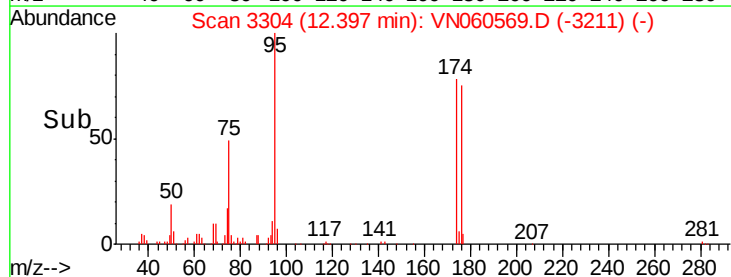
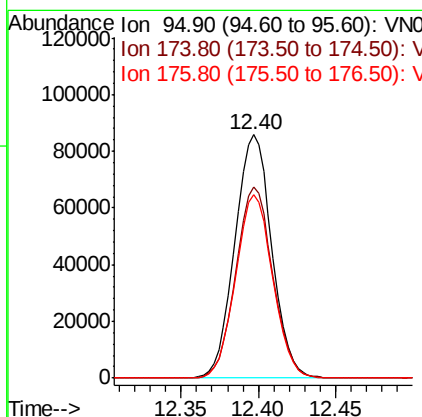
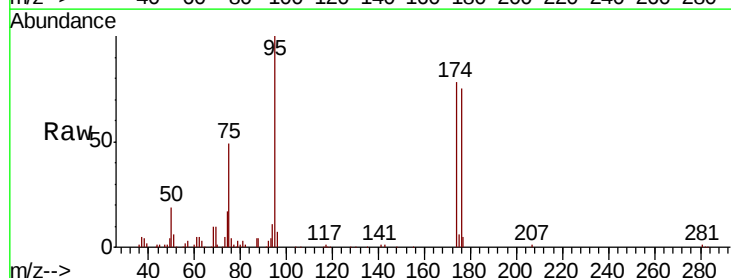
Instrument :
MSVOA_N
ClientSampleId :
VN0317WBL01

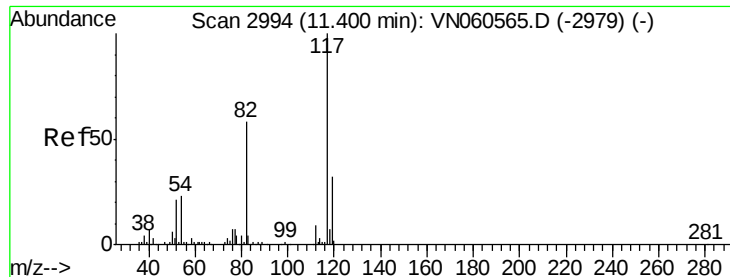
Tot Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
58 44.4 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 43.197 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

Tgt Ion: 95 Resp: 142147
Ion Ratio Lower Upper
95 100
174 78.8 0.0 157.6
176 75.9 0.0 150.6

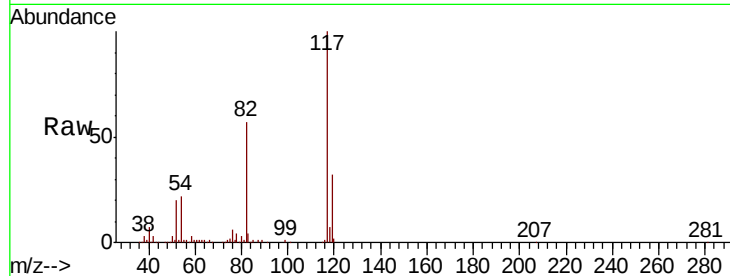




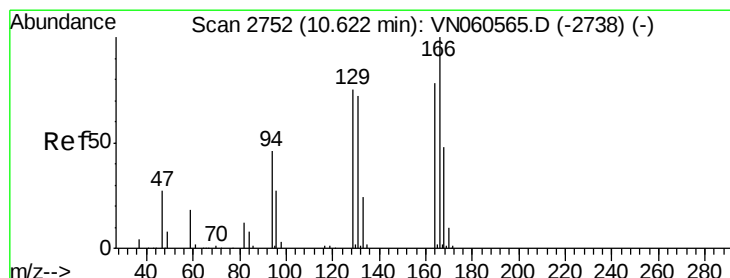
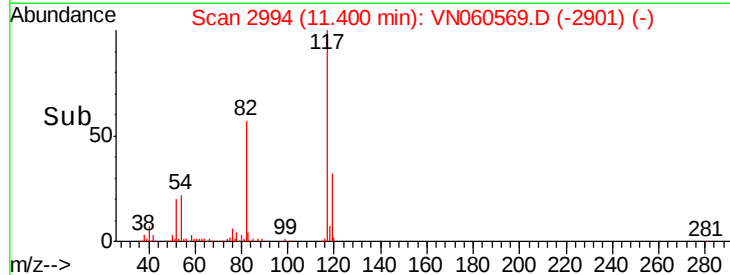
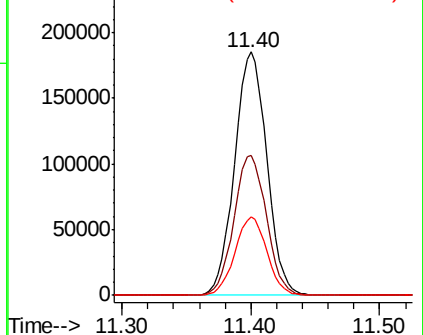
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBL01

Tot Ion:117 Resp: 322051
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 32.1 25.5 38.3

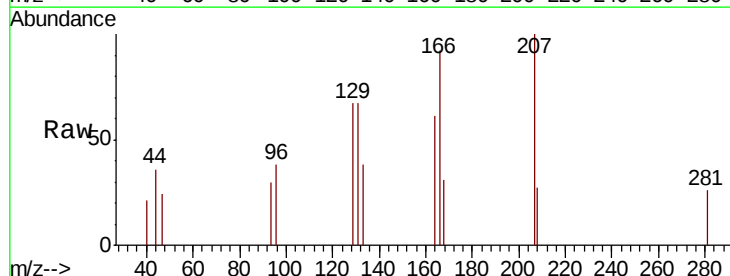


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

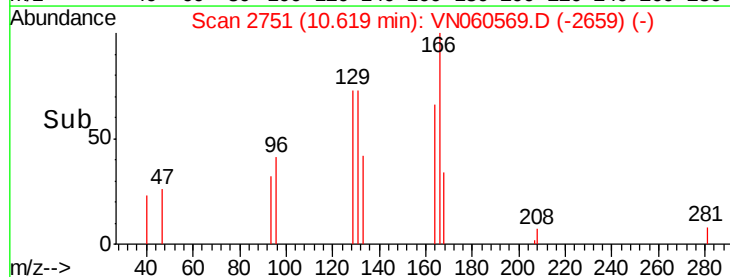
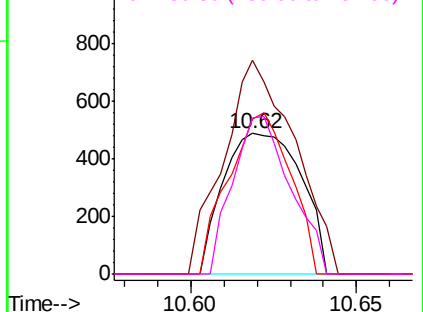


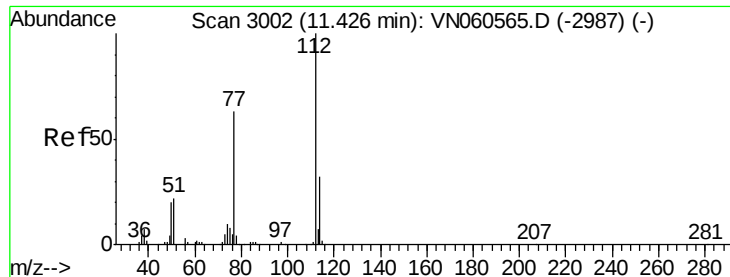
#64
Tetrachloroethene
Concen: 0.315 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

Tgt Ion:164 Resp: 798
Ion Ratio Lower Upper
164 100
166 152.3 102.7 154.1
129 110.5 77.2 115.8
131 111.3 73.8 110.6#



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

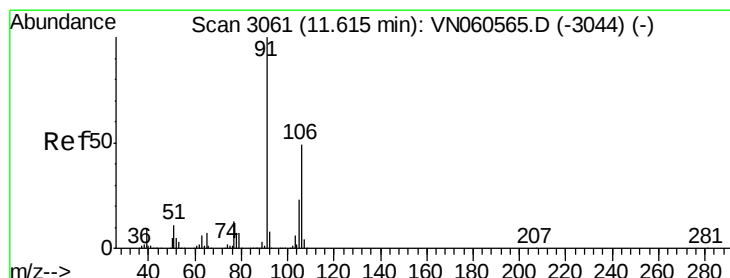
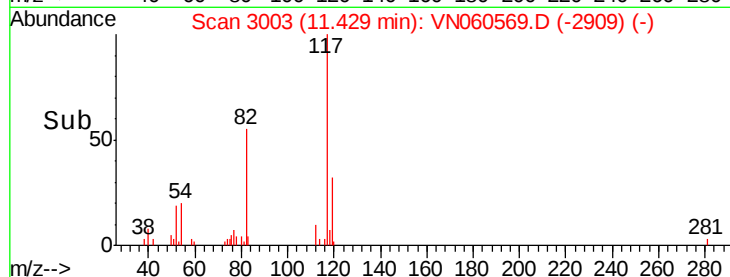
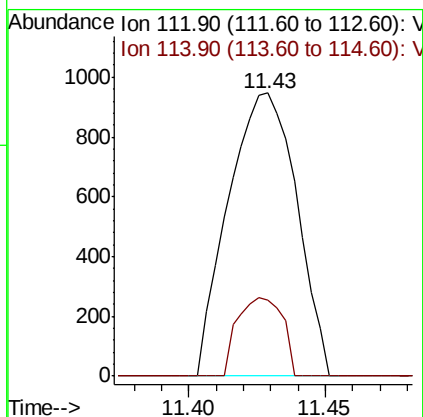
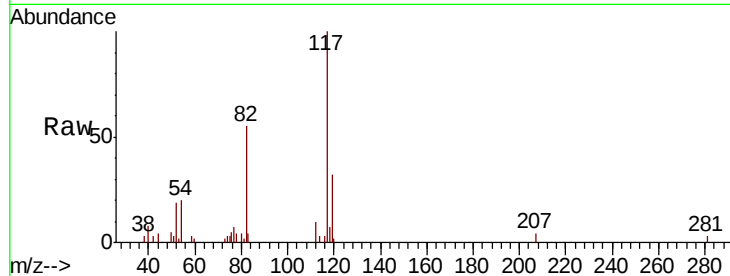




#65
Chlorobenzene
Concen: 0.258 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

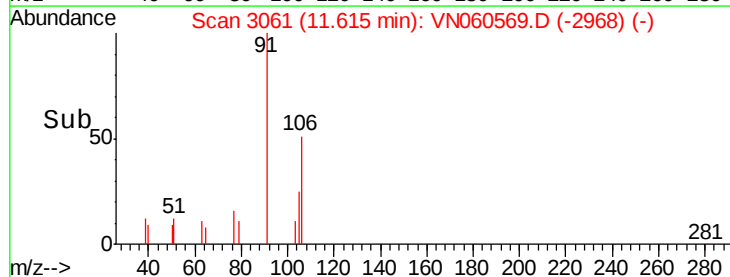
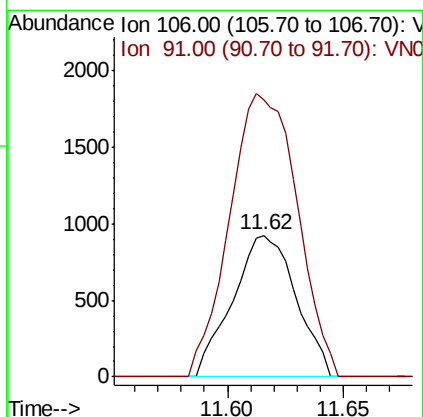
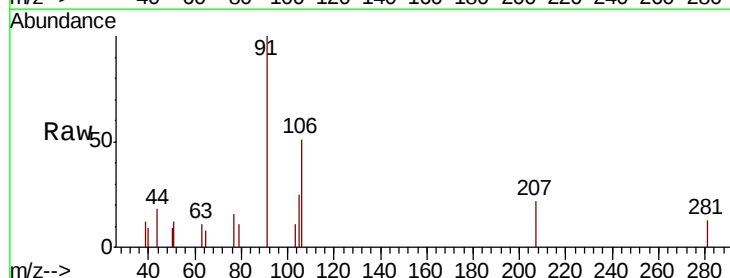
Instrument :
MSVOA_N
ClientSampled :
VN0317WBL01

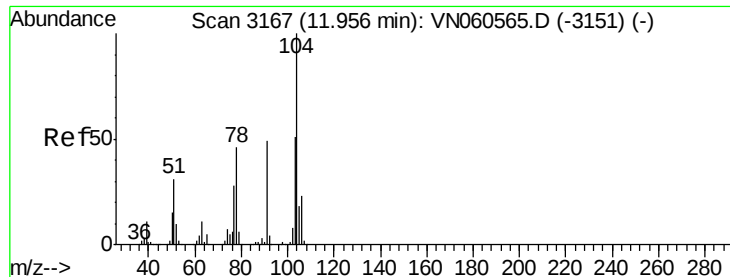
Tot Ion:112 Resp: 1646
Ion Ratio Lower Upper
112 100
114 27.0 25.8 38.6



#68
m/p-Xylenes
Concen: 0.398 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060569.D
Acq: 17 Mar 2020 21:06

Tgt Ion:106 Resp: 1755
Ion Ratio Lower Upper
106 100
91 213.2 165.0 247.4





#70

Stvrene

Concen: 0.210 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBL01

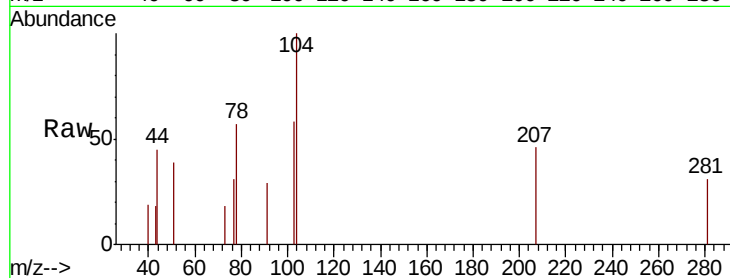
Tot Ion:104 Resp: 1444

Ion Ratio Lower Upper

104 100

78 53.4 41.2 61.8

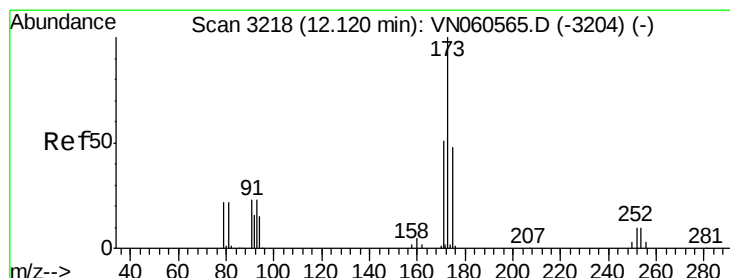
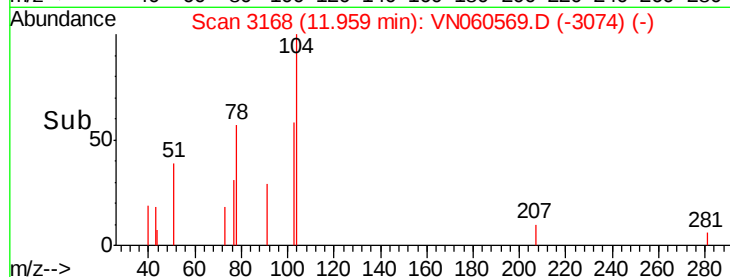
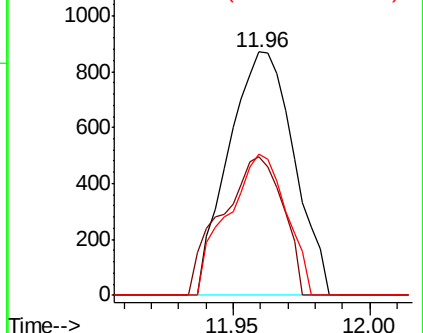
103 52.4 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 1.745 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

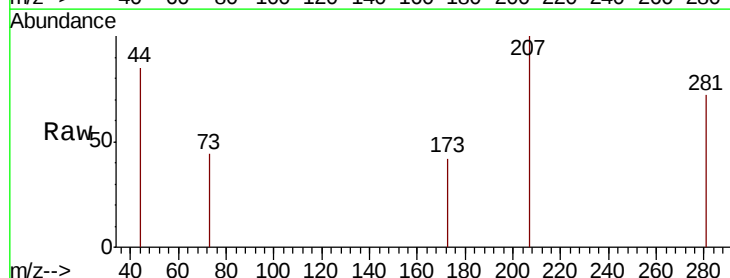
Tgt Ion:173 Resp: 128

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

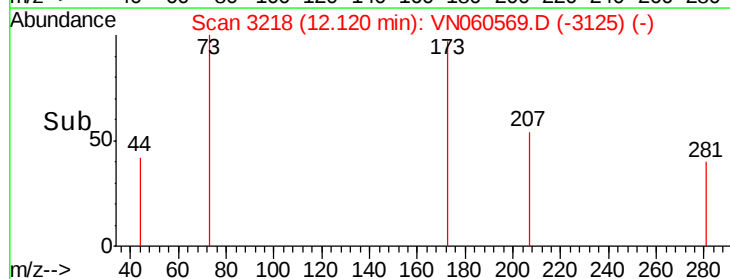
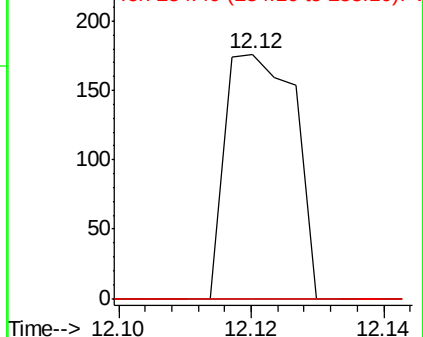
254 0.0 0.0 0.0

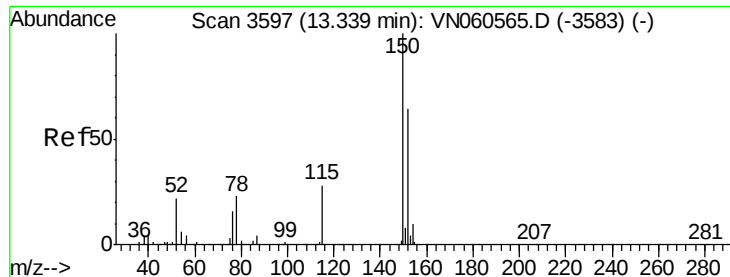


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBL01

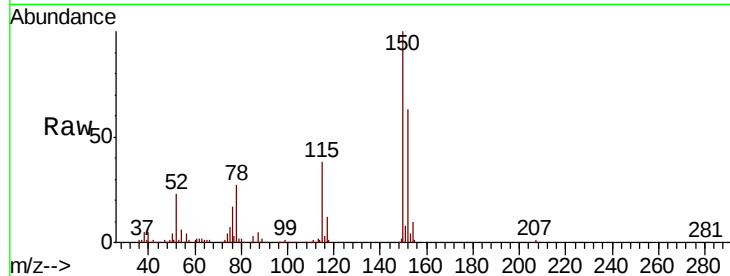
Tot Ion:152 Resp: 139055

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

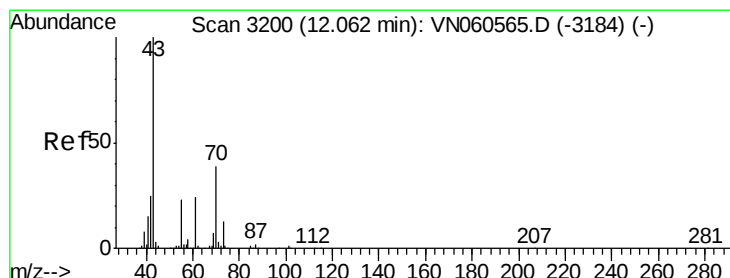
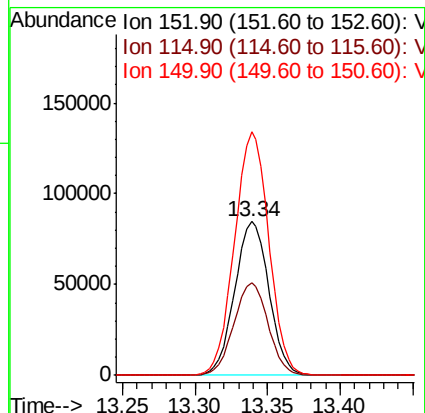
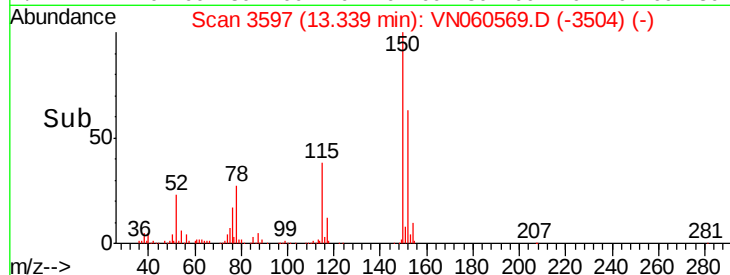
150 158.5 0.0 350.2



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



#74

N-ethyl acetate

Concen: 0.400 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Tgt Ion: 43 Resp: 1931

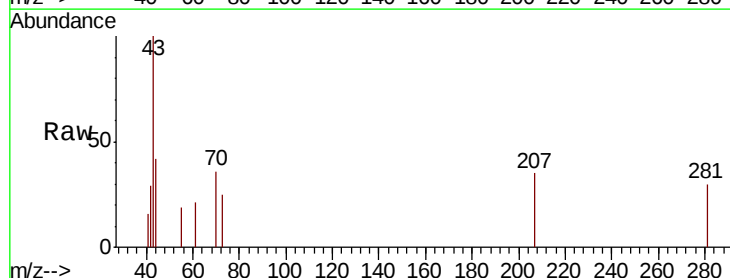
Ion Ratio Lower Upper

43 100

70 24.9 31.1 46.7#

55 8.8 18.6 27.8#

61 9.2 18.9 28.3#

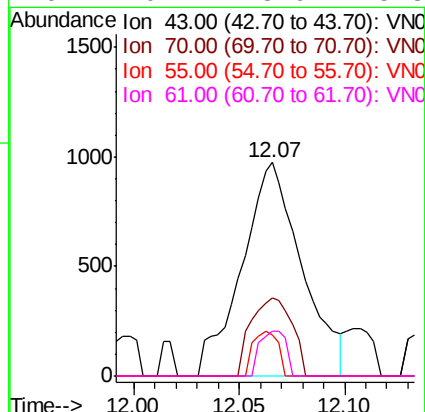
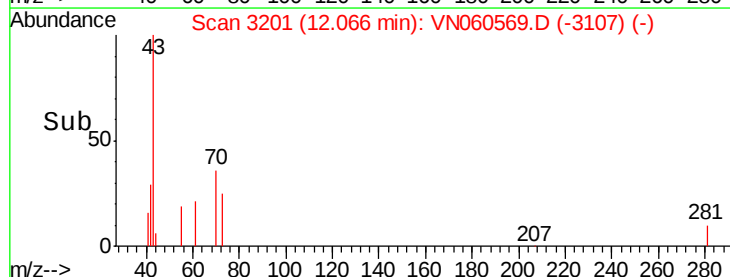


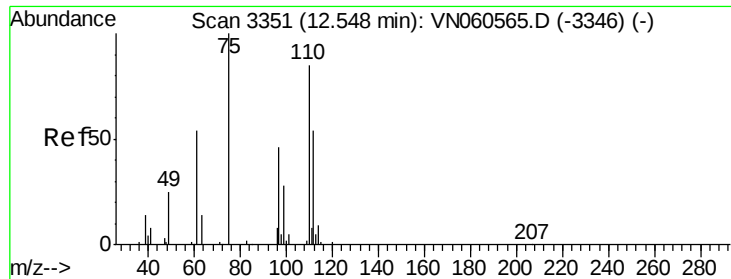
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

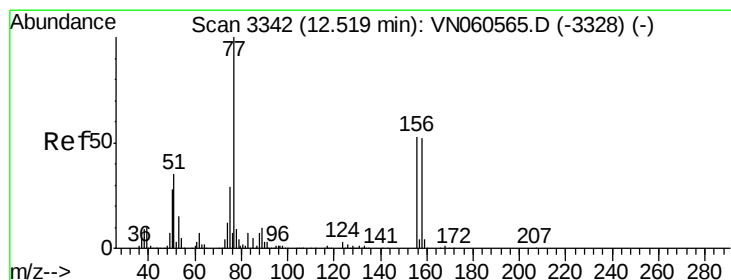
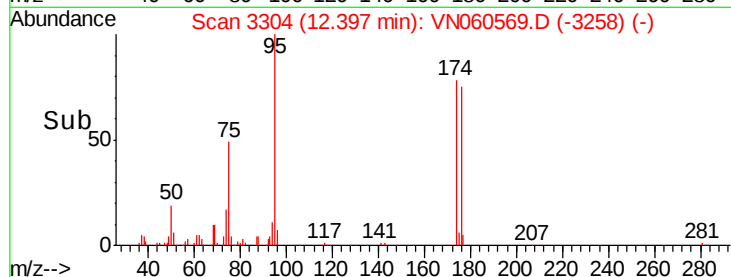
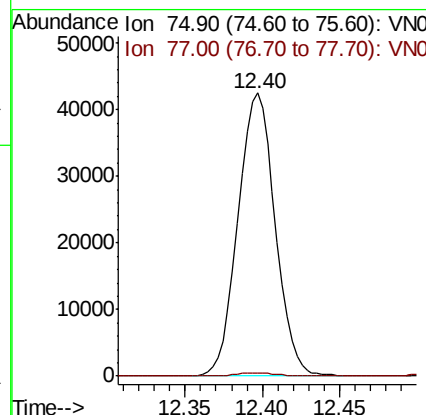
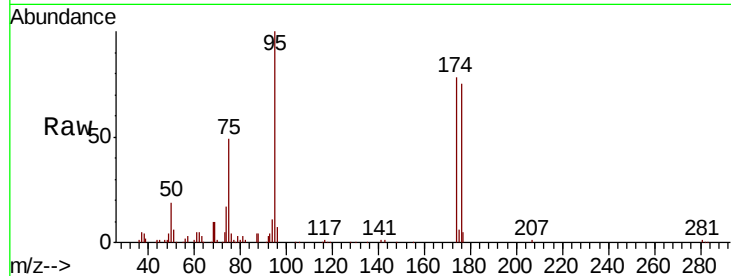




#76
 1,2,3-Trichloropropane
 Concen: 23.608 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

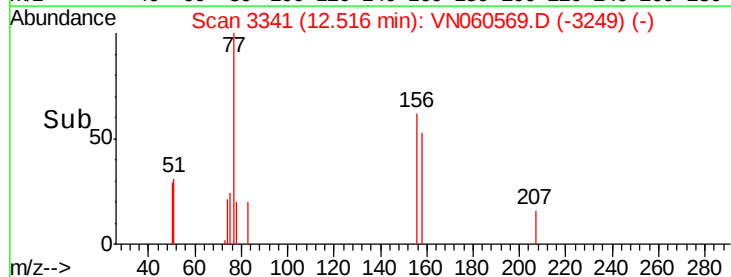
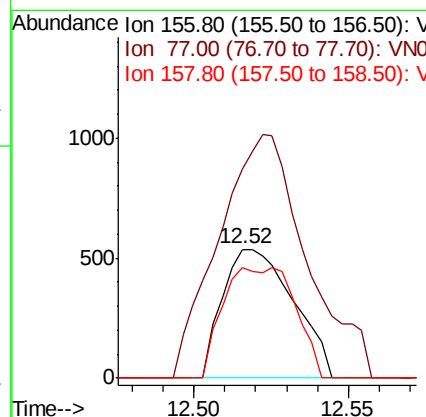
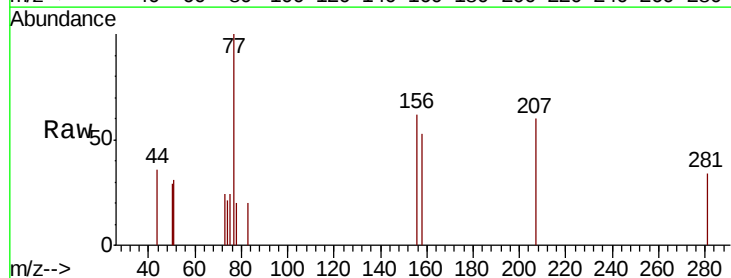
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

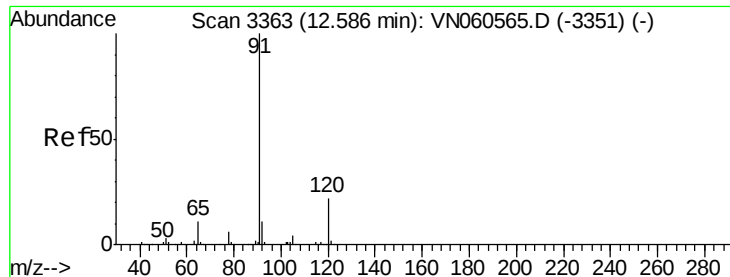
Tot Ion: 75 Resp: 70835
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.340 ug/l
 RT: 12.52 min Scan# 3341
 Delta R.T. -0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Tgt Ion: 156 Resp: 855
 Ion Ratio Lower Upper
 156 100
 77 234.7 112.3 337.0
 158 87.7 48.6 145.8





#78

n-propylbenzene

Concen: 0.308 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

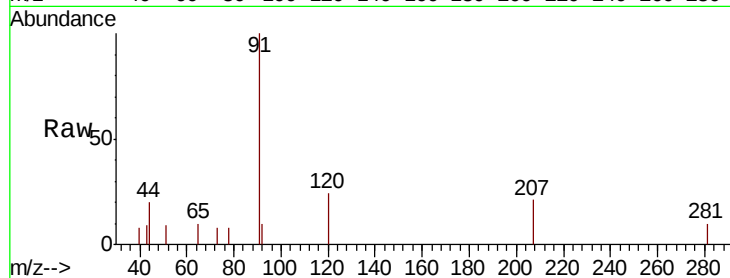
VN0317WBL01

Tot Ion: 91 Resp: 3793

Ion Ratio Lower Upper

91 100

120 23.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3351) (-)

12.59

2500

2000

1500

1000

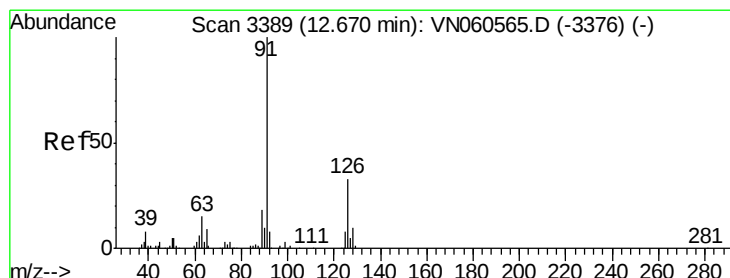
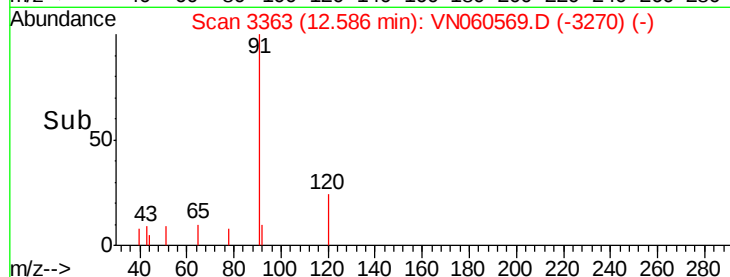
500

0

Time-->

12.55

12.60



#79

2-Chlorotoluene

Concen: 0.261 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060569.D

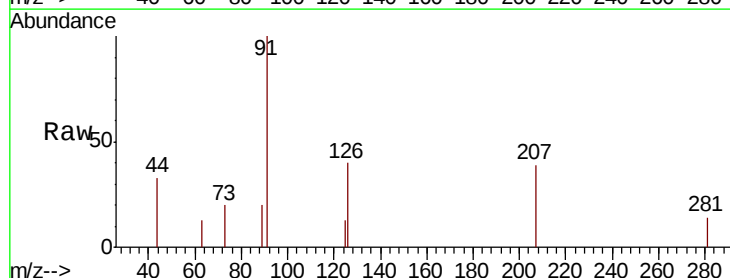
Acq: 17 Mar 2020 21:06

Tgt Ion: 91 Resp: 1923

Ion Ratio Lower Upper

91 100

126 31.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)

12.67

1000

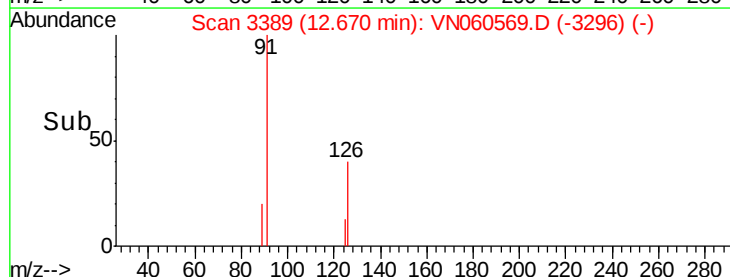
500

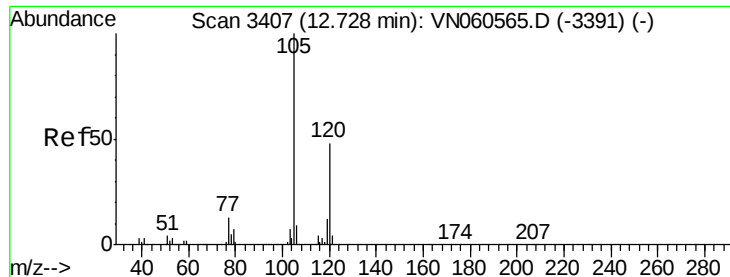
0

Time-->

12.65

12.70





#80

1,3,5-Trimethylbenzene

Concen: 0.237 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampled :

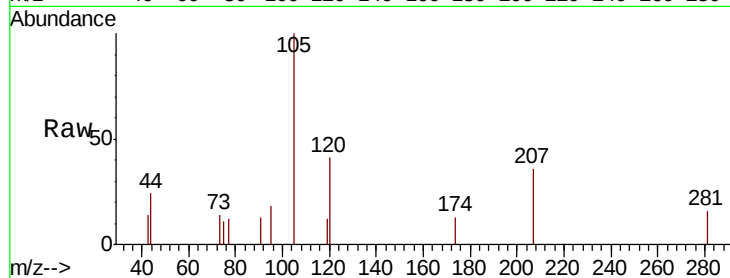
VN0317WBL01

Tot Ion:105 Resp: 2099

Ion Ratio Lower Upper

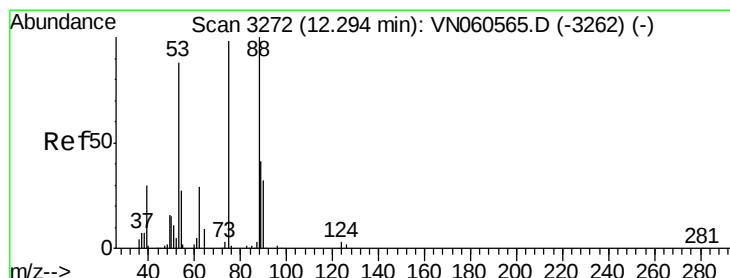
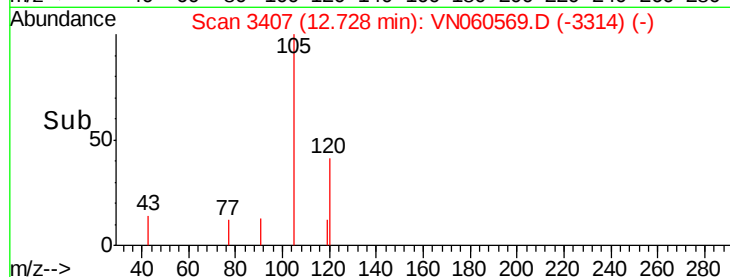
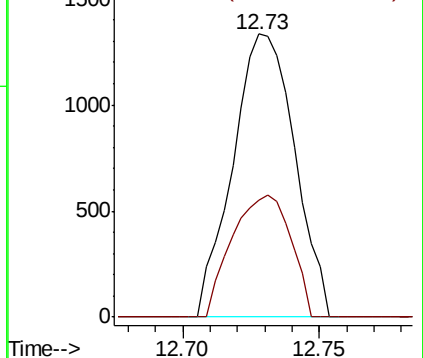
105 100

120 41.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 60.631 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

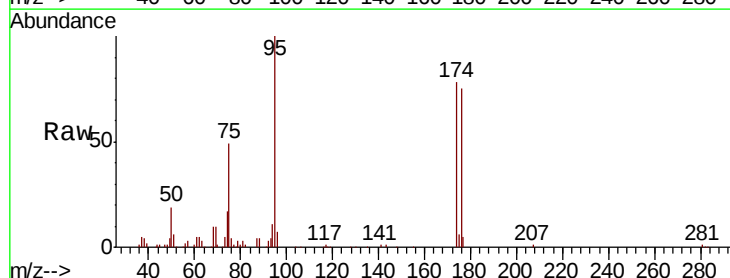
Tgt Ion: 75 Resp: 70835

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

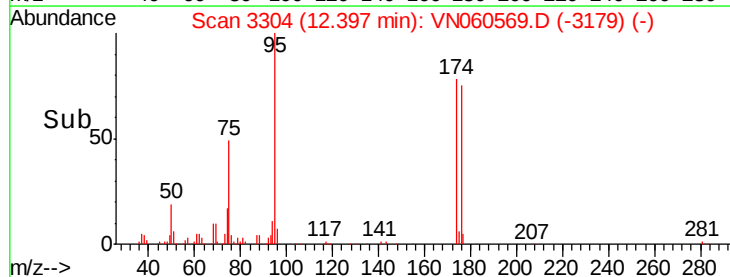
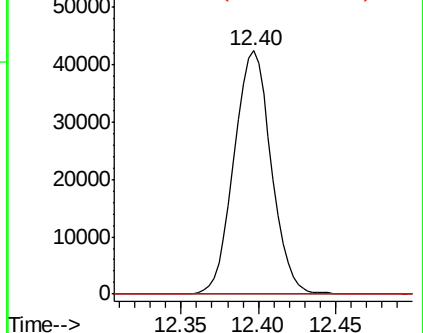
89 0.0 34.8 52.2#

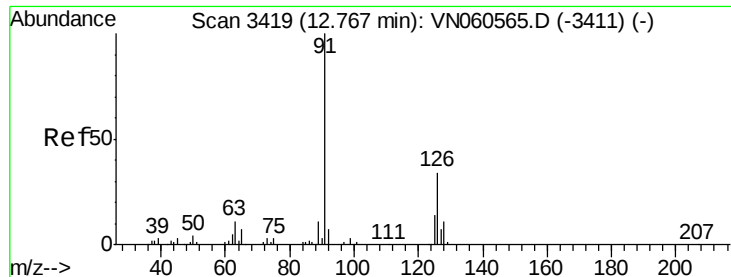


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#82

4-Chlorotoluene

Concen: 0.439 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

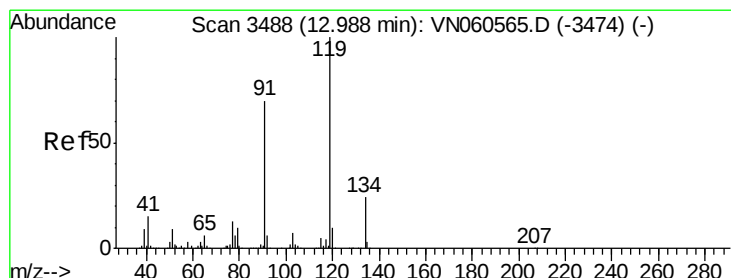
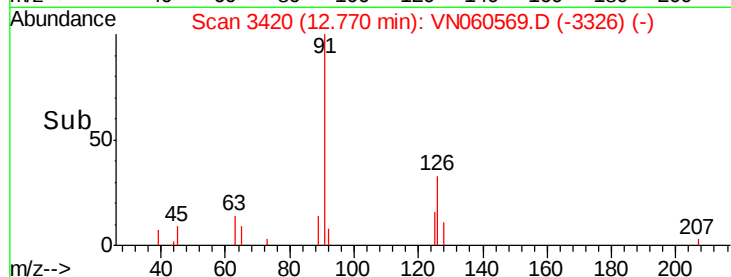
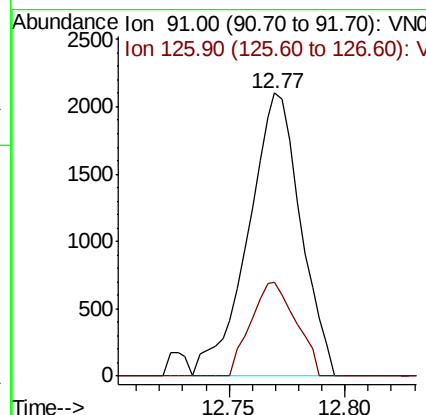
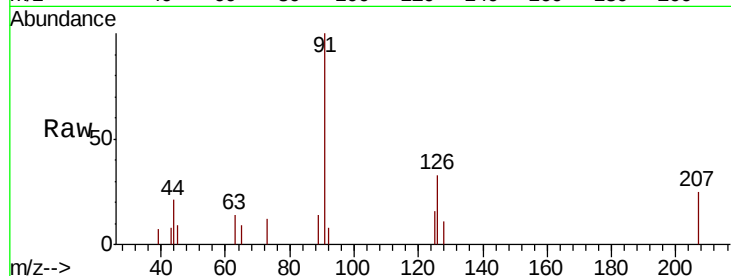
VN0317WBL01

Tot Ion: 91 Resp: 3294

Ion Ratio Lower Upper

91 100

126 28.5 16.2 48.5



#83

tert-Butylbenzene

Concen: 0.214 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

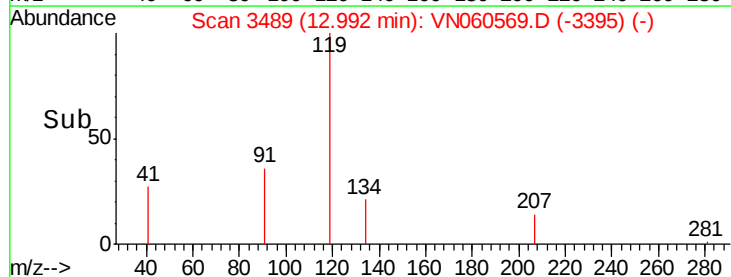
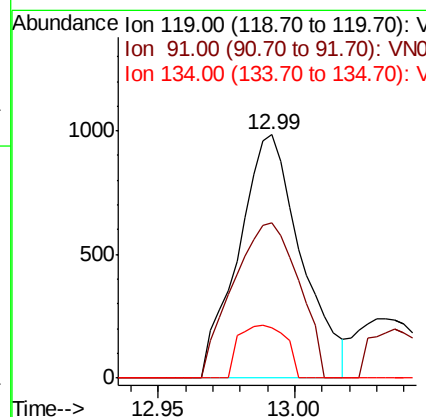
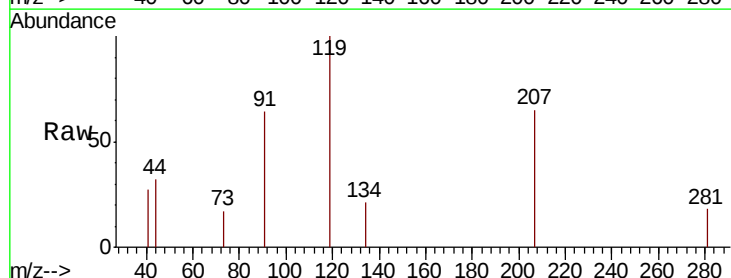
Tgt Ion: 119 Resp: 1570

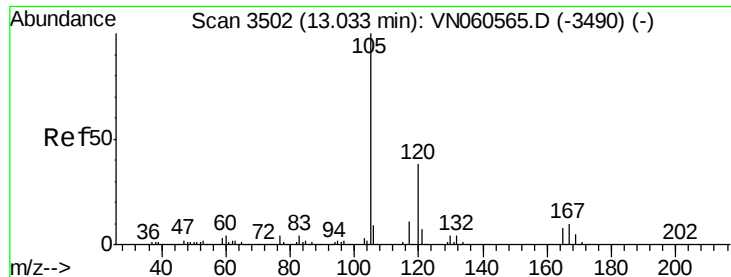
Ion Ratio Lower Upper

119 100

91 66.6 34.0 101.8

134 16.2 12.7 38.0





#84

1,2,4-Trimethylbenzene

Concen: 0.265 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

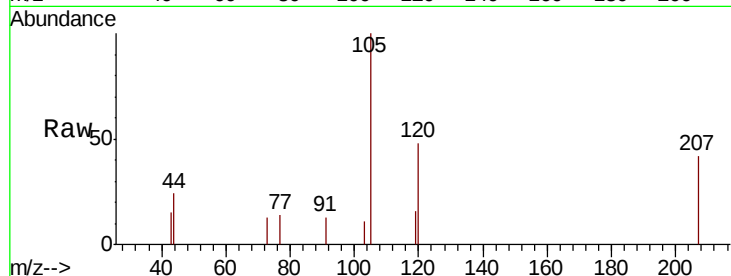
VN0317WBL01

Tot Ion:105 Resp: 2320

Ion Ratio Lower Upper

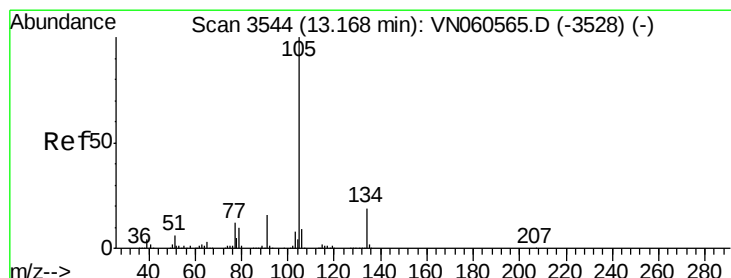
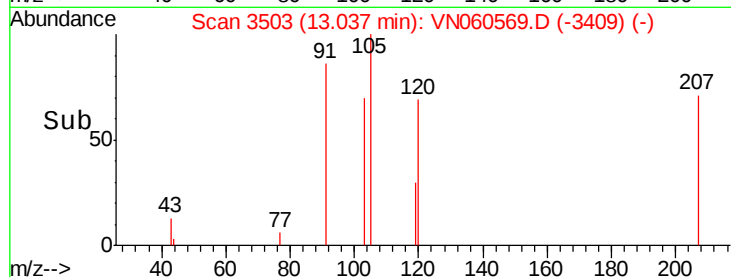
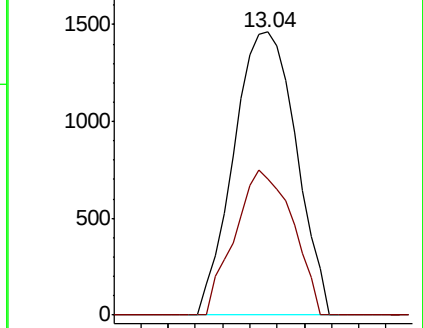
105 100

120 47.5 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.275 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060569.D

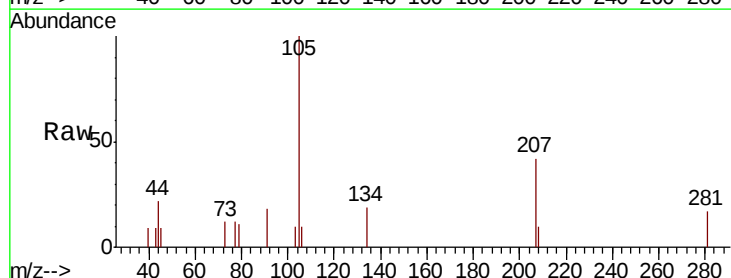
Acq: 17 Mar 2020 21:06

Tgt Ion:105 Resp: 2711

Ion Ratio Lower Upper

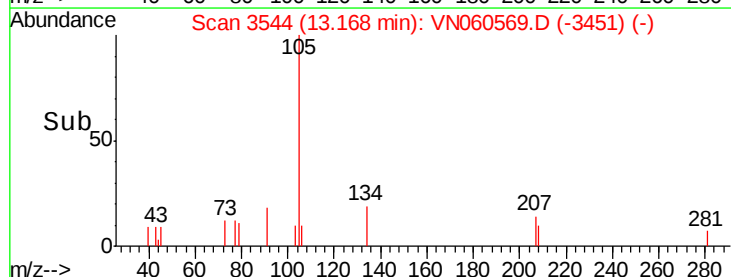
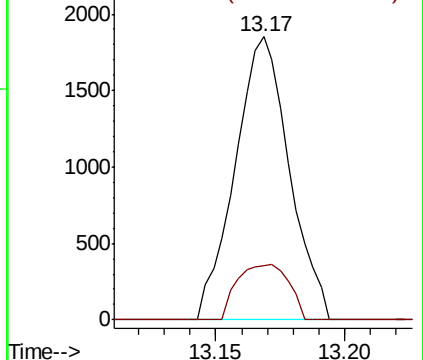
105 100

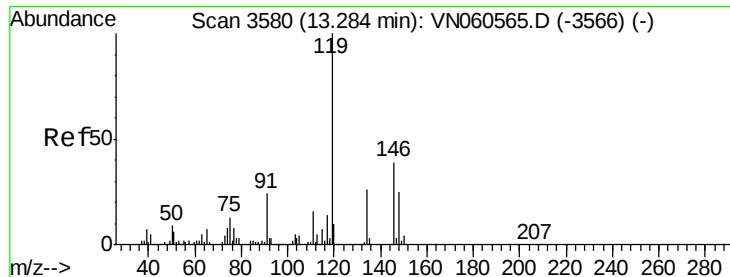
134 18.6 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

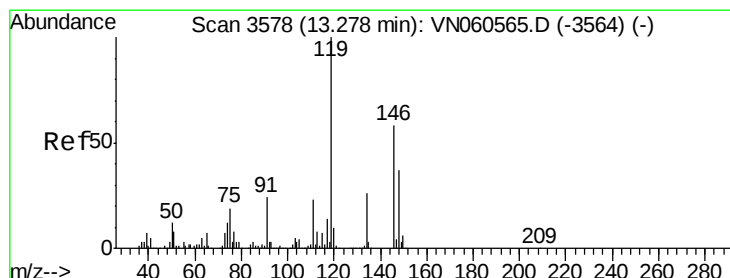
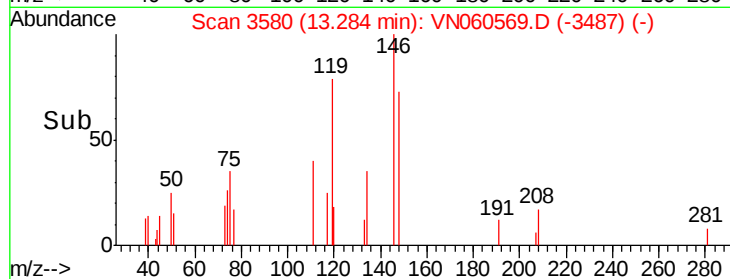
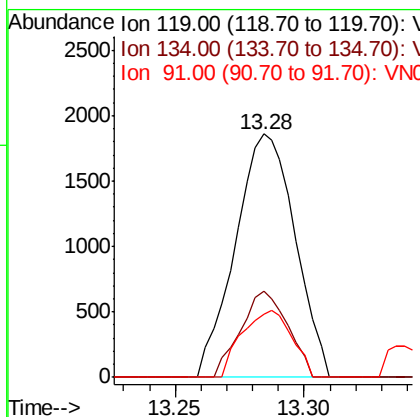
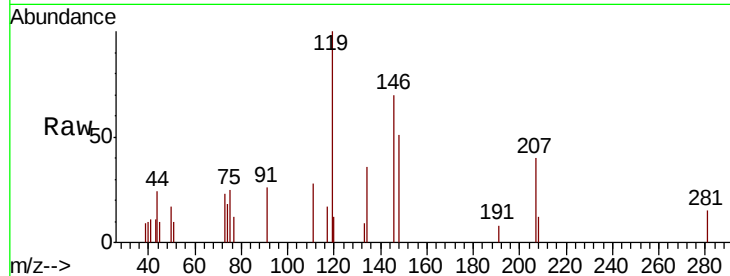




#86
 p-Isopropyltoluene
 Concen: 0.338 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

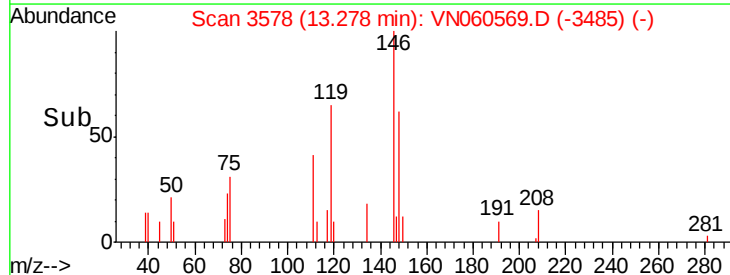
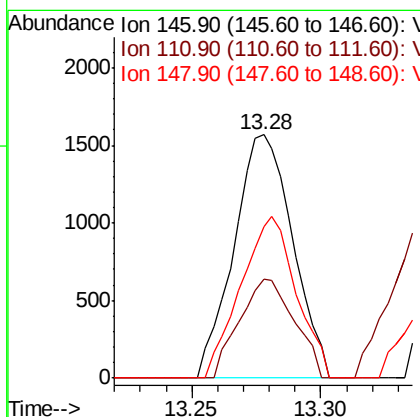
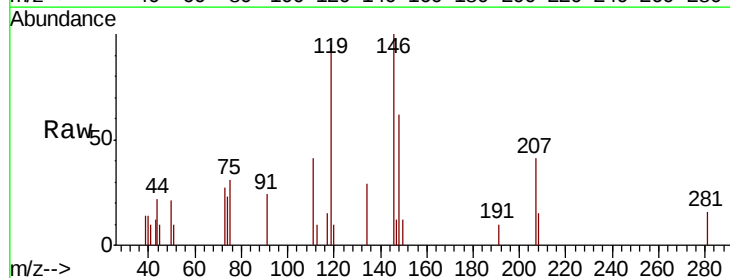
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

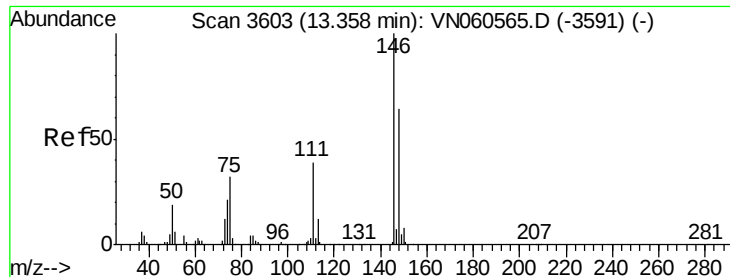
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.1	13.0	39.0
91	23.0	12.0	36.0



#87
 1,3-Dichlorobenzene
 Concen: 0.561 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.3	60.8
148	62.8	32.5	97.4

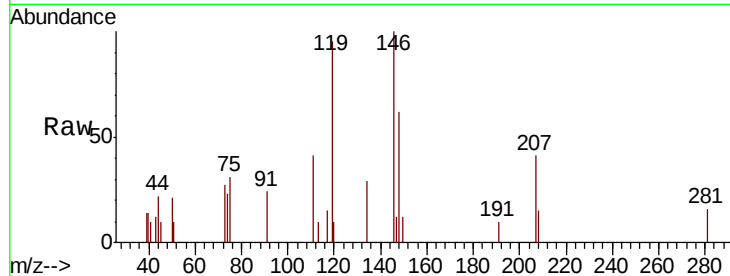




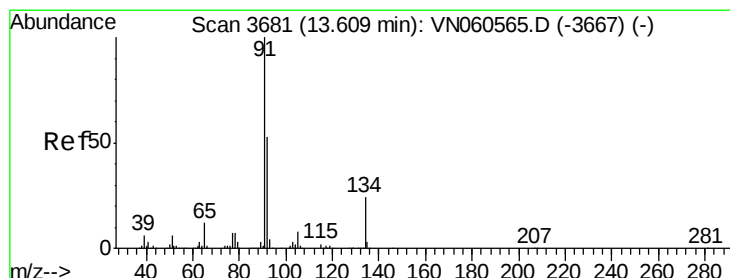
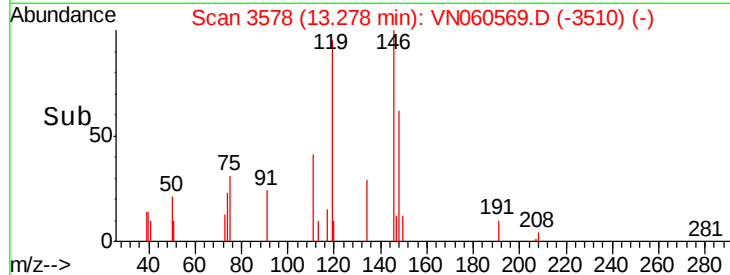
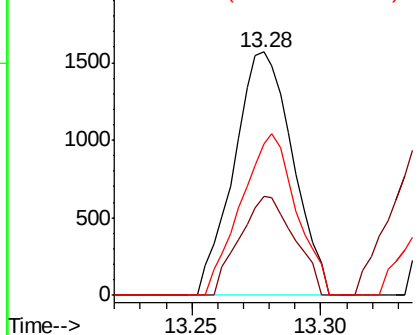
#88
 1,4-Dichlorobenzene
 Concen: 0.558 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

Tot Ion:146 Resp: 2486
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.6 58.7
 148 62.8 32.1 96.3

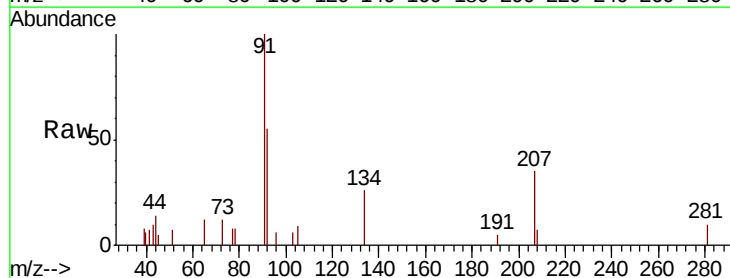


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

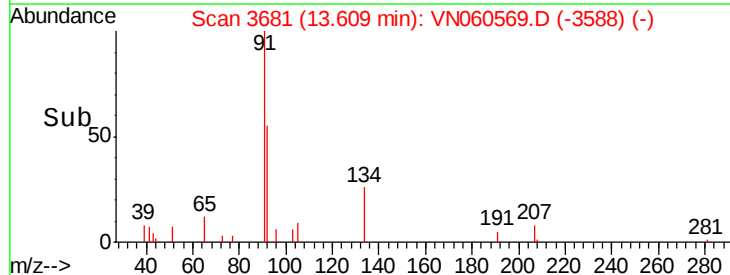
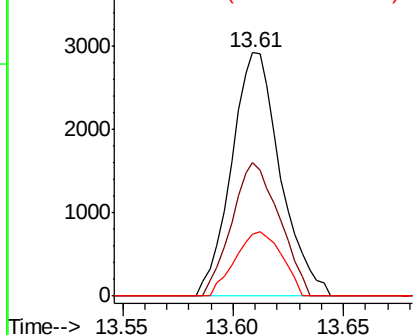


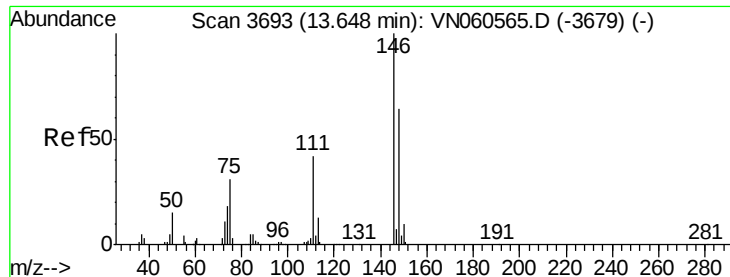
#89
 n-Butylbenzene
 Concen: 0.560 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. -0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Tgt Ion: 91 Resp: 4489
 Ion Ratio Lower Upper
 91 100
 92 53.3 26.2 78.5
 134 25.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V

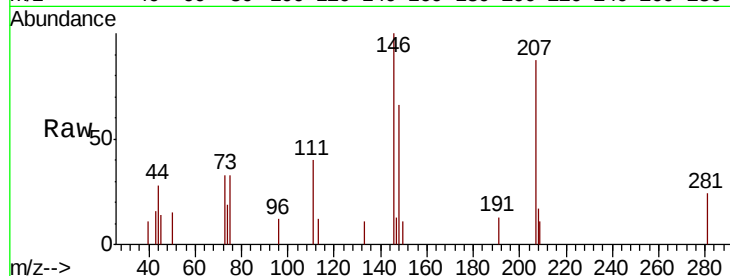




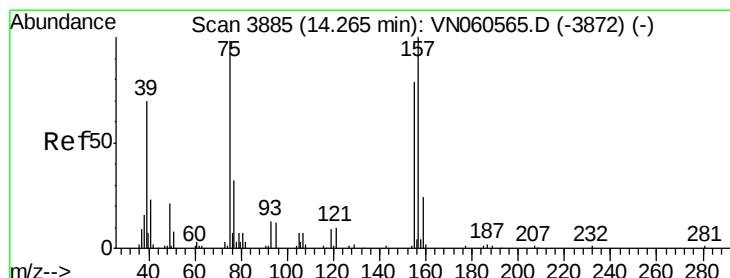
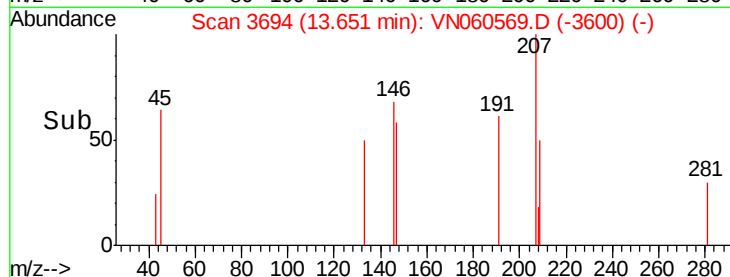
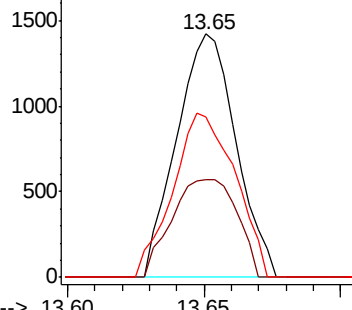
#91
 1,2-Dichlorobenzene
 Concen: 0.506 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

Tot Ion:146 Resp: 2144
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.0 63.0
 148 70.7 31.9 95.5

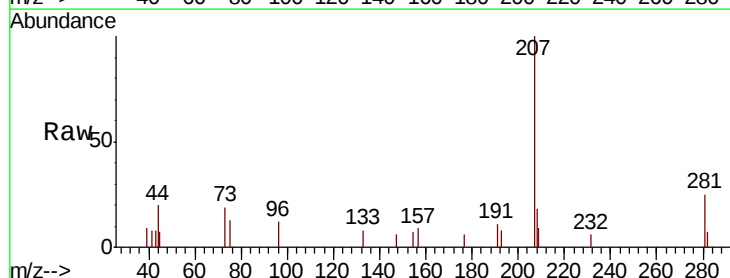


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

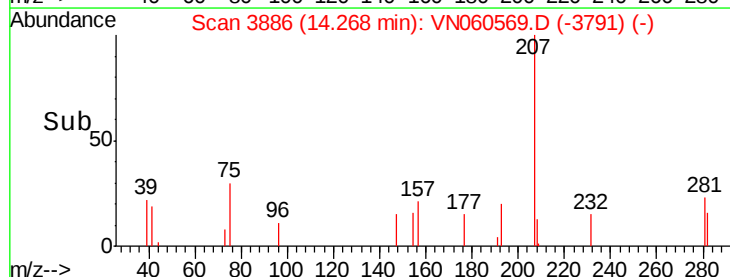
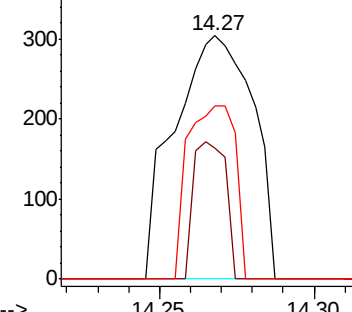


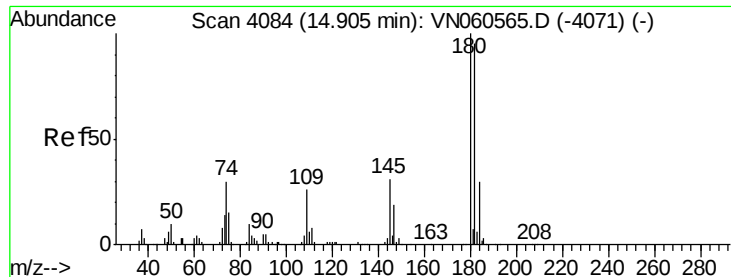
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.549 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Tgt Ion: 75 Resp: 538
 Ion Ratio Lower Upper
 75 100
 155 23.2 40.7 122.1#
 157 42.8 51.5 154.7#



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

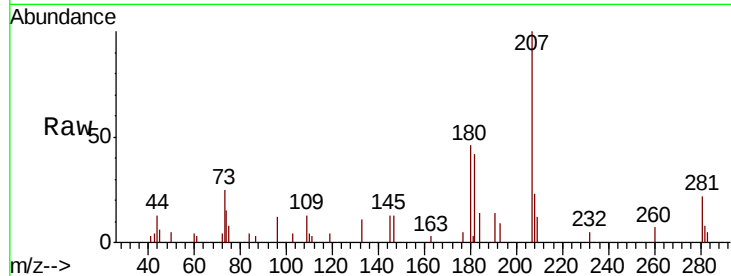




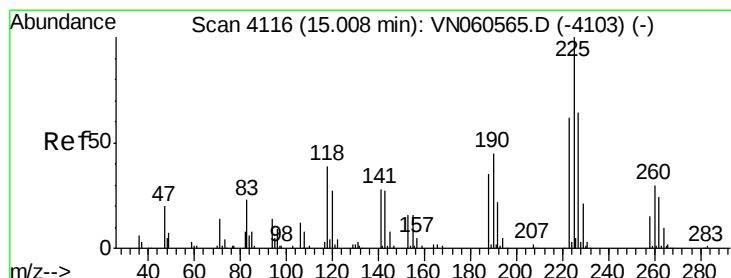
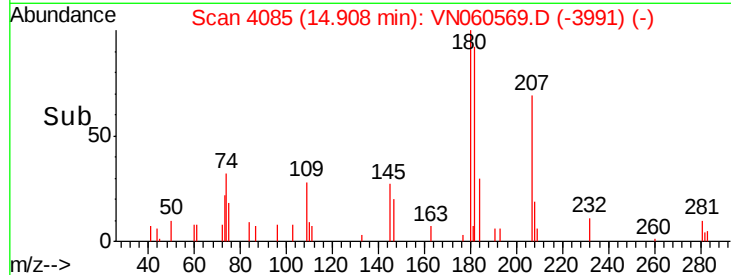
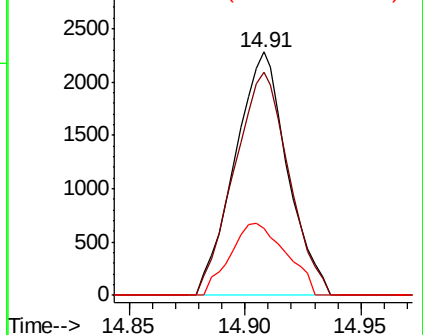
#93
 1,2,4-Trichlorobenzene
 Concen: 1.379 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBL01

Tot Ion:180 Resp: 3592
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.8
 145 31.4 15.4 46.2

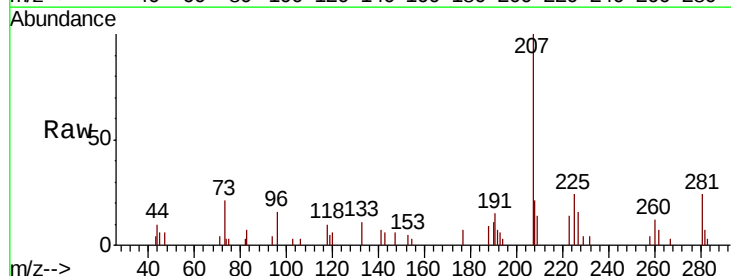


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

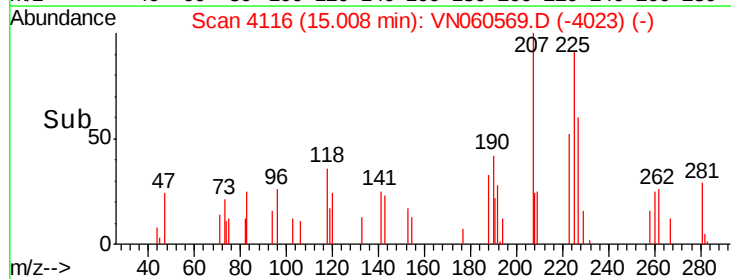
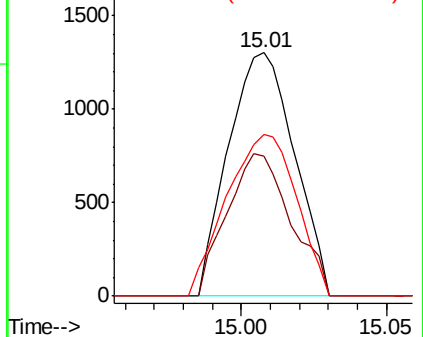


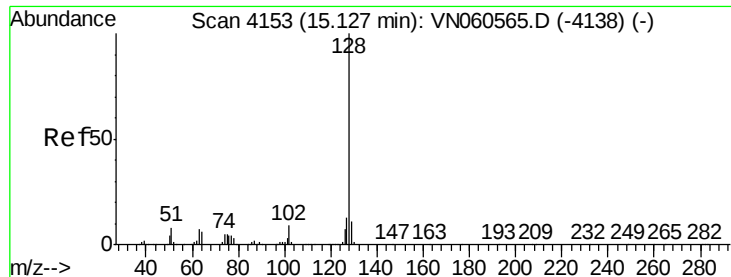
#94
 Hexachlorobutadiene
 Concen: 1.611 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060569.D
 Acq: 17 Mar 2020 21:06

Tgt Ion:225 Resp: 2057
 Ion Ratio Lower Upper
 225 100
 223 56.7 31.6 95.0
 227 70.3 32.3 96.8



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: 1.749 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBL01

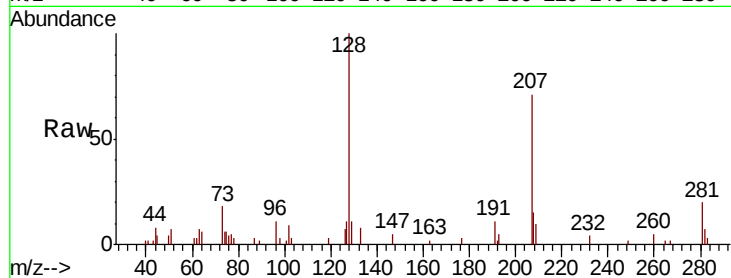
Tot Ion:128 Resp: 13700

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.2

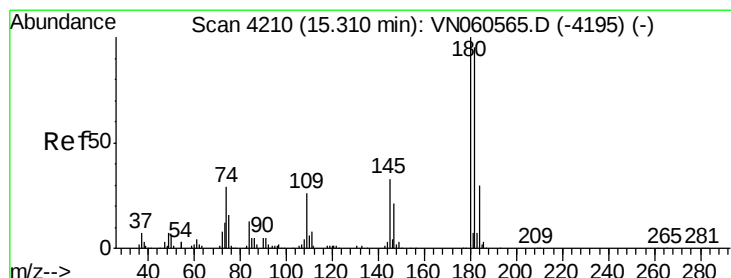
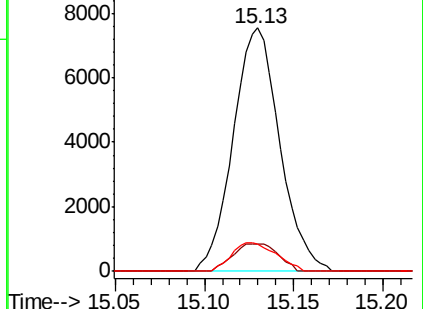
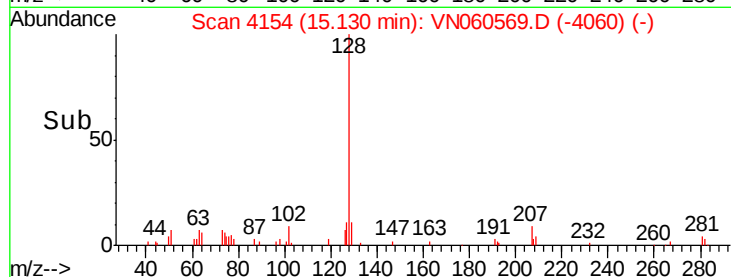
129 11.2 8.8 13.2



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: 1.706 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060569.D

Acq: 17 Mar 2020 21:06

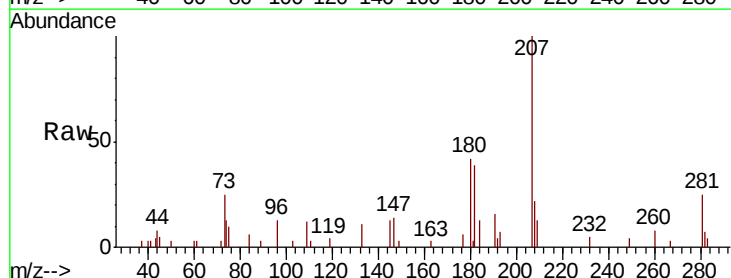
Tgt Ion:180 Resp: 4375

Ion Ratio Lower Upper

180 100

182 90.0 47.5 142.6

145 33.0 16.3 48.8



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

