

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061138.D
 Acq On : 22 Apr 2020 19:32
 Operator : JC/MD
 Sample : L2337-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 07:37:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	178343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	291388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	284303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	138338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	110719	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	7.31	113	84299	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	9.88	98	358146	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.21	95	141041	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

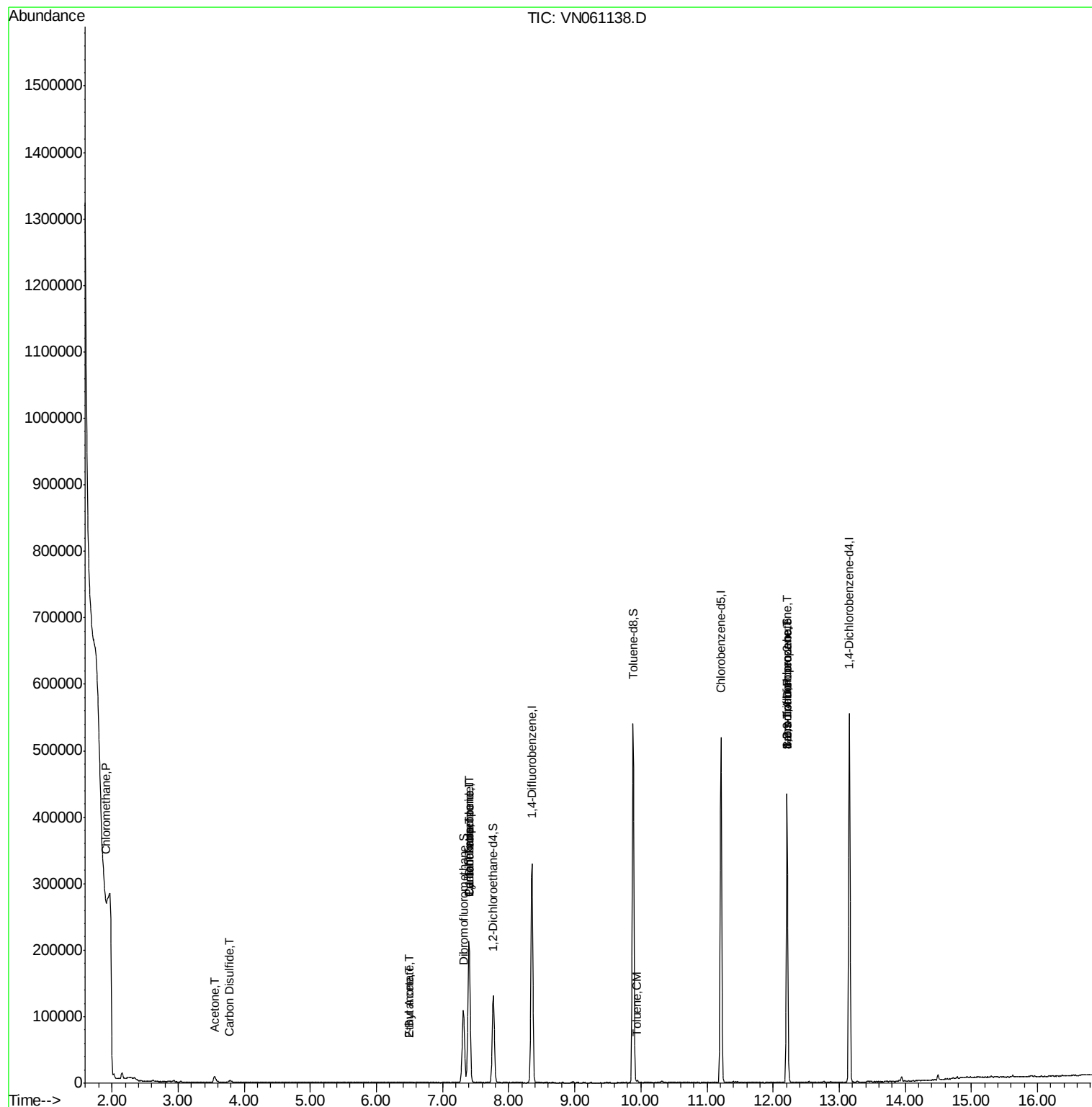
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.91	50	471	0.233	ug/l	96
14) Allyl chloride	3.98	41	29	Below Cal	#	20
16) Acetone	3.55	43	14003	3.673	ug/l	93
17) Carbon Disulfide	3.78	76	3271	0.614	ug/l #	75
18) Methyl Acetate	3.98	43	98	Below Cal	#	51
25) 2-Butanone	6.51	43	818	0.635	ug/l #	49
31) Cyclohexane	7.40	56	3550	0.978	ug/l #	12
36) 1,1-Dichloropropene	7.40	75	13591	4.772	ug/l #	49
37) Ethyl Acetate	6.51	43	818	0.287	ug/l #	68
38) Carbon Tetrachloride	7.40	117	16941	6.795	ug/l #	14
49) 1,4-Dioxane	8.98	88	1090	Below Cal	#	93
52) Toluene	9.95	92	1219	0.231	ug/l	92
71) Bromoform	12.21	173	543	0.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.21	75	72989	22.873	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.21	75	72989	60.070	ug/l #	12

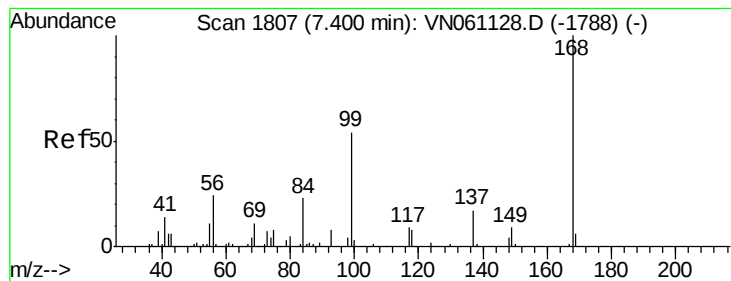
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN061138.D

Acq: 22 Apr 2020 19:32

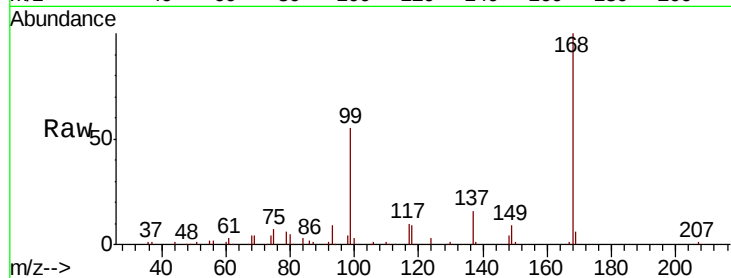
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:168 Resp: 178343

Ion Ratio Lower Upper

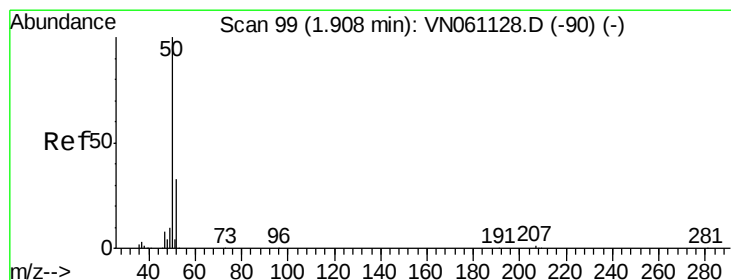
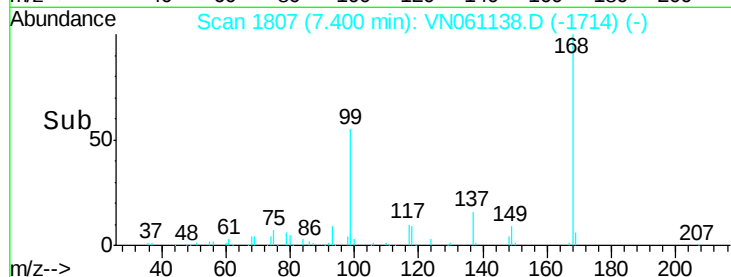
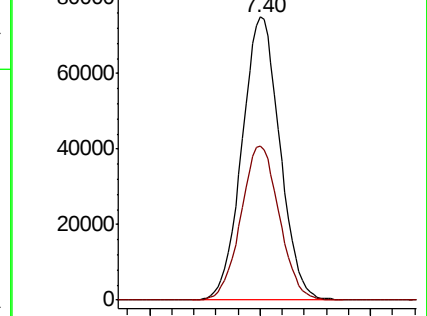
168 100

99 54.6 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.91 min Scan# 100

Delta R.T. 0.00 min

Lab File: VN061138.D

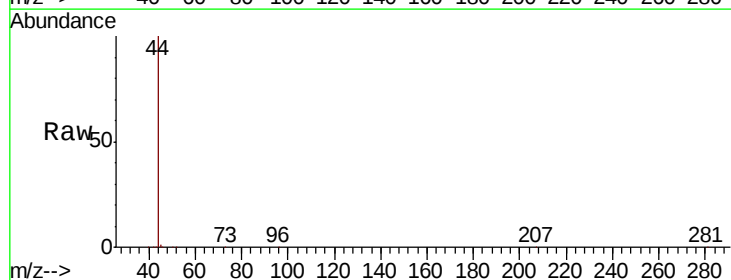
Acq: 22 Apr 2020 19:32

Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

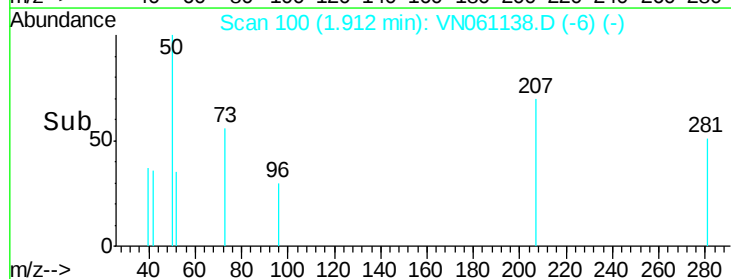
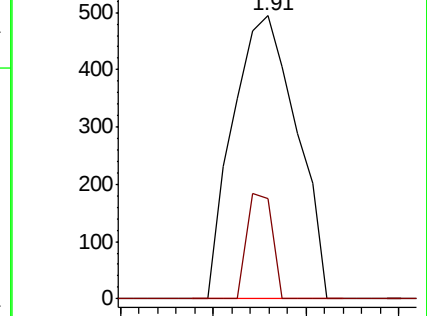
50 100

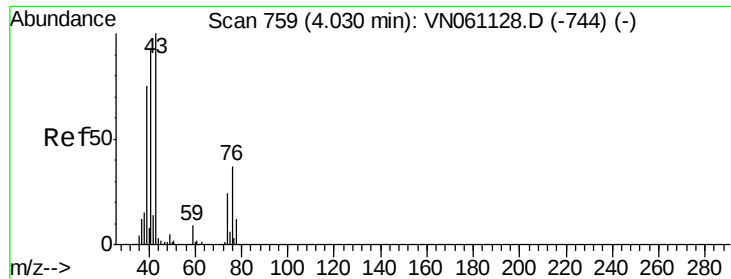
52 35.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

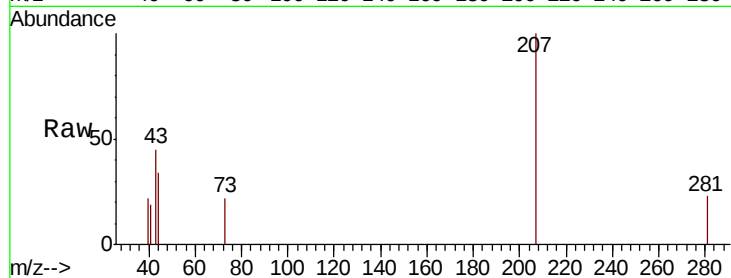




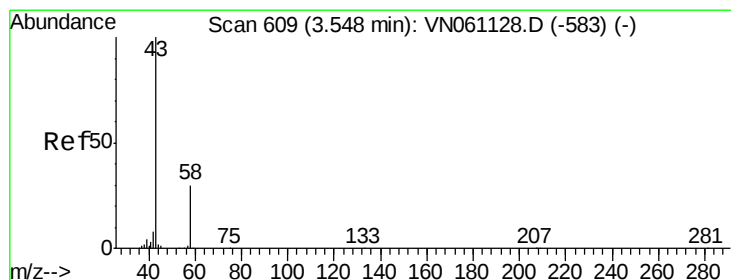
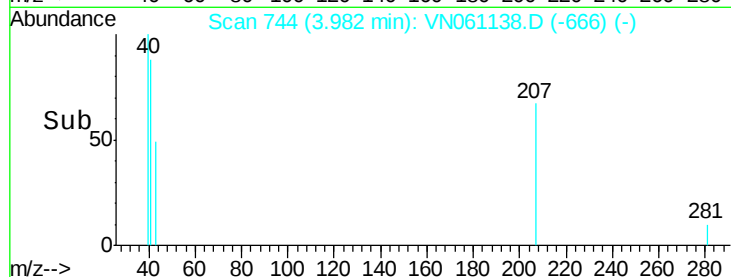
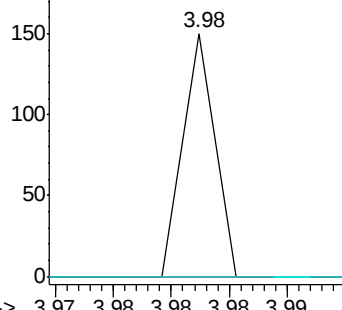
#14
Allvl chloride
Concen: Below Cal
RT: 3.98 min Scan# 744
Delta R.T. -0.05 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	61.0	91.4#
76	0.0	28.9	43.3#

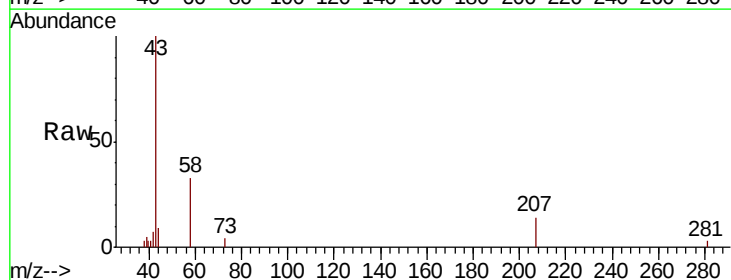


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

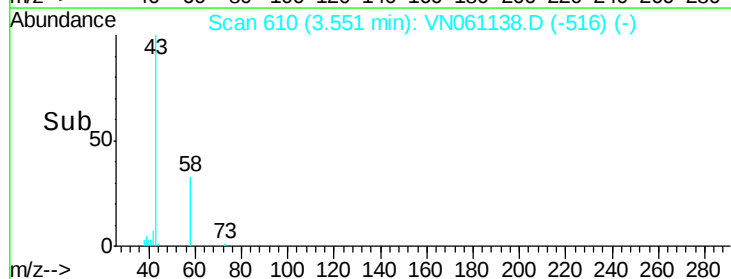
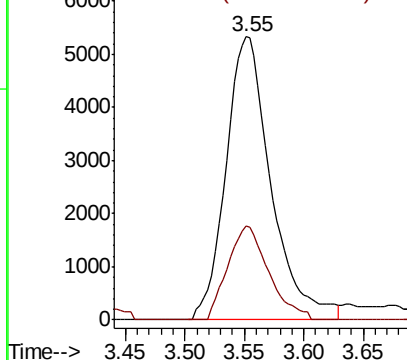


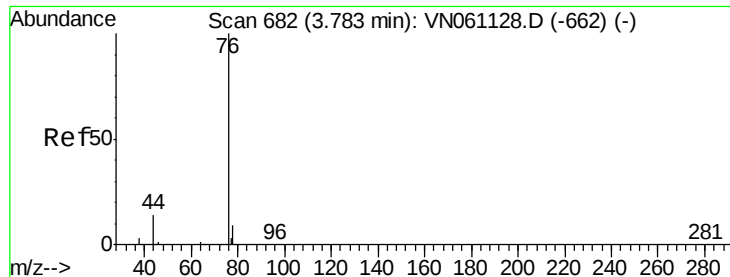
#16
Acetone
Concen: 3.673 ug/l
RT: 3.55 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	23.6	35.4



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

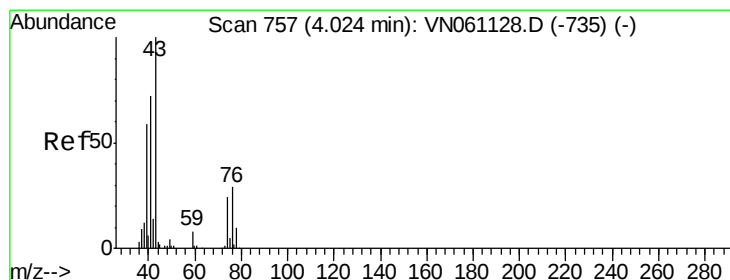
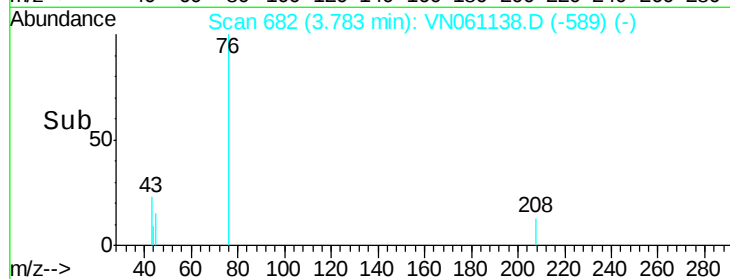
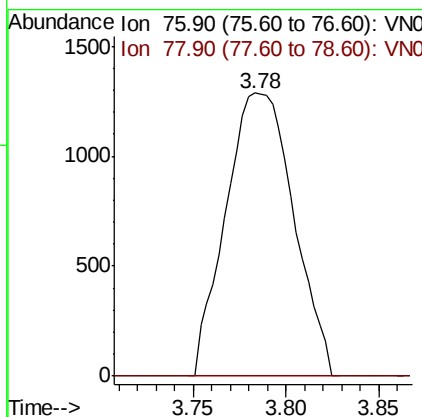
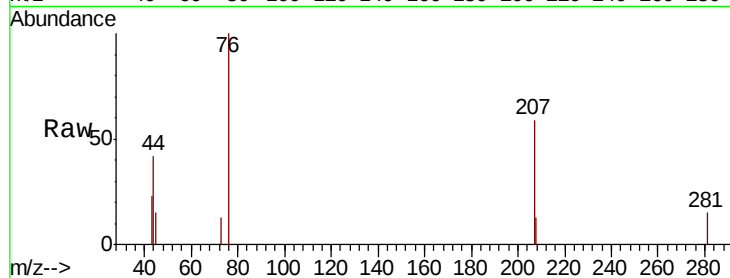




#17
Carbon Disulfide
Concen: 0.614 ug/l
RT: 3.78 min Scan# 682
Delta R.T. 0.00 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

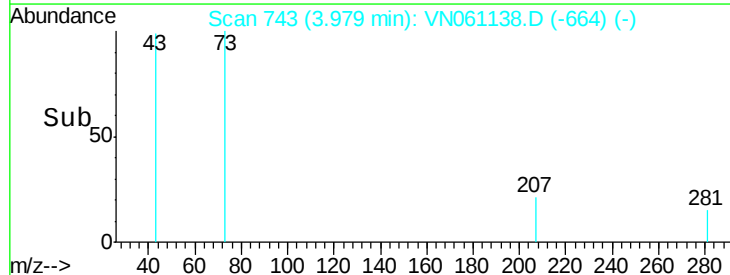
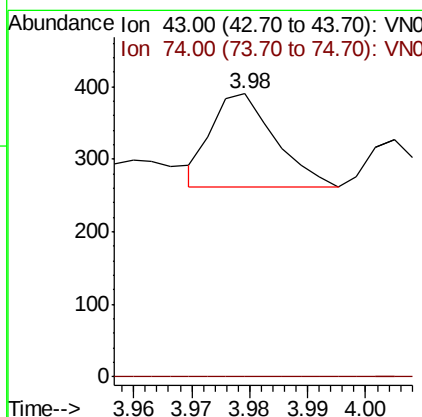
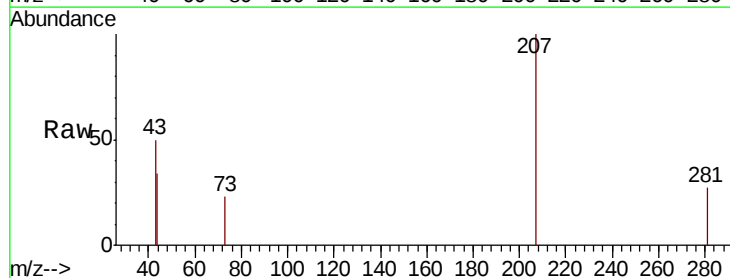
Instrument :
MSVOA_V
ClientSampled :

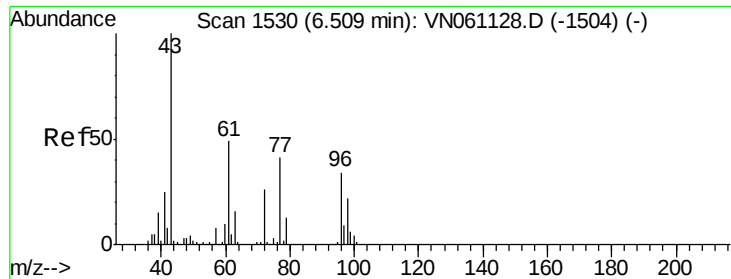
Tot Ion: 76 Resp: 3271
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 3.98 min Scan# 743
Delta R.T. -0.04 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#

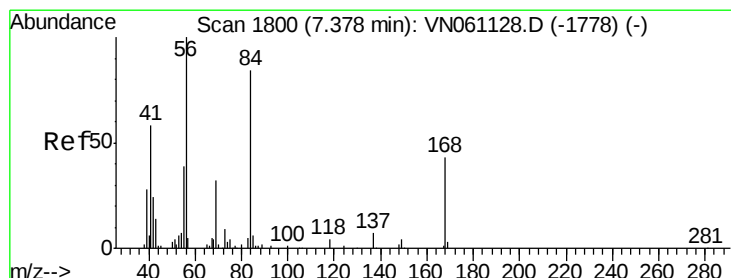
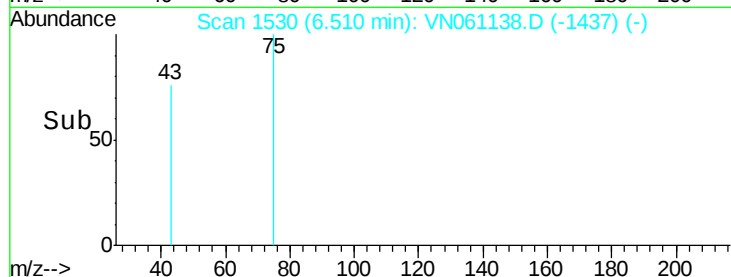
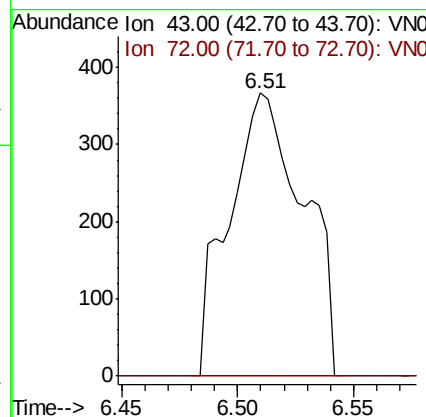
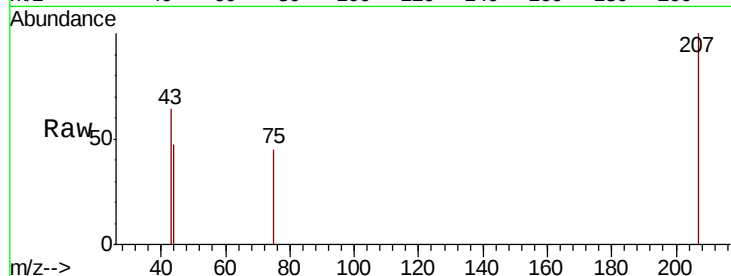




#25
2-Butanone
Concen: 0.635 ug/l
RT: 6.51 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VN061128.D
Acq: 22 Apr 2020 19:32

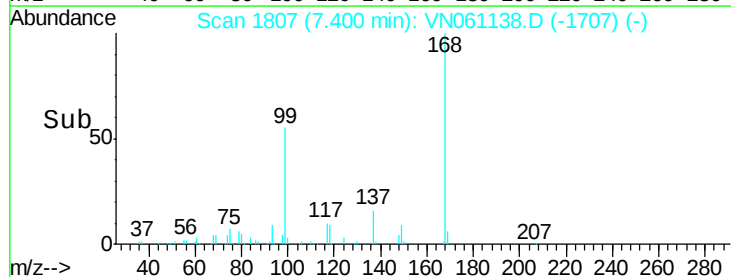
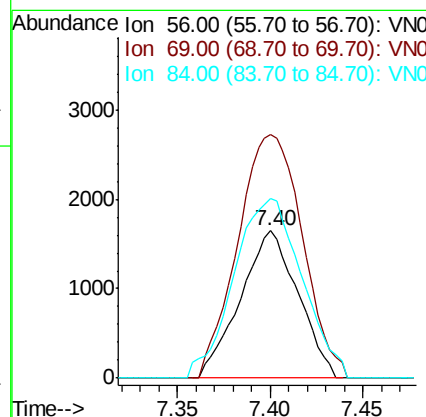
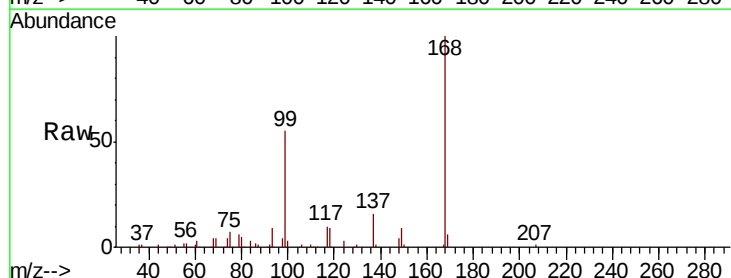
Instrument :
MSVOA_V
ClientSampleId :

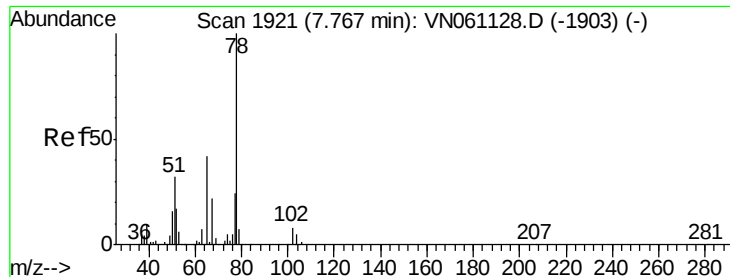
Tot Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 0.978 ug/l
RT: 7.40 min Scan# 1807
Delta R.T. 0.02 min
Lab File: VN061128.D
Acq: 22 Apr 2020 19:32

Tgt Ion: 56 Resp: 3550
Ion Ratio Lower Upper
56 100
69 165.6 25.9 38.9#
84 111.7 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 46.820 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VN061128.D

Acq: 22 Apr 2020 19:32

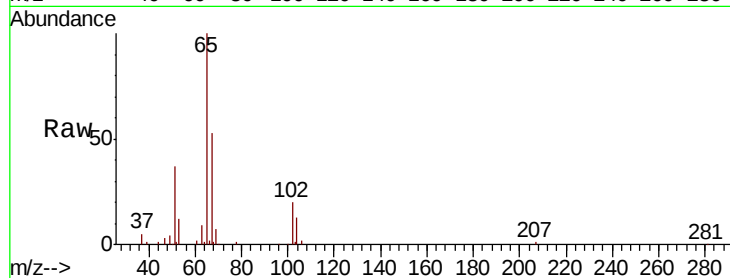
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 65 Resp: 110719

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN061128.D (-1903) (-)

Ion 66.90 (66.60 to 67.60): VN061128.D (-1903) (-)

7.77

50000

40000

30000

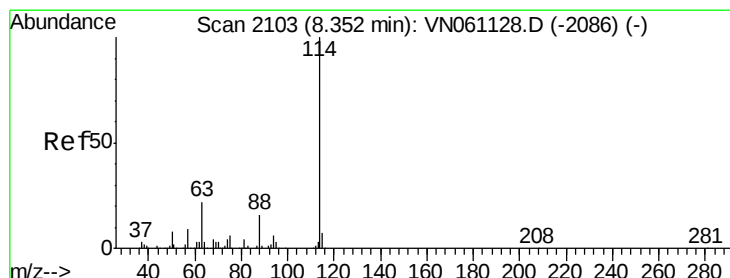
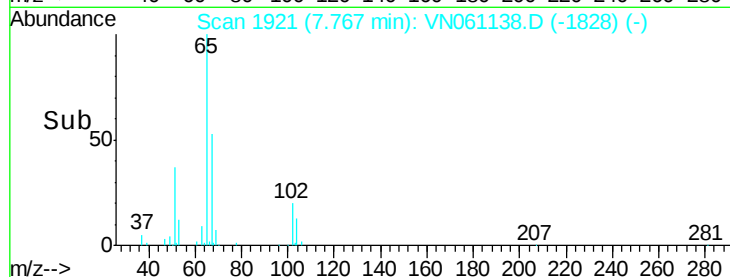
20000

10000

0

Time-->

7.70 7.80



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.35 min Scan# 2103

Delta R.T. 0.00 min

Lab File: VN061128.D

Acq: 22 Apr 2020 19:32

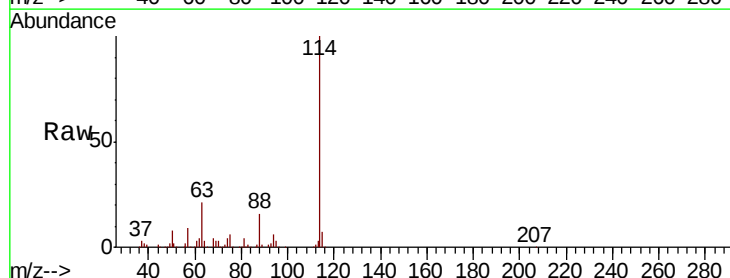
Tgt Ion: 114 Resp: 291388

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VN061128.D (-2086) (-)

Ion 63.00 (62.70 to 63.70): VN061128.D (-2086) (-)

Ion 87.90 (87.60 to 88.60): VN061128.D (-2086) (-)

8.35

150000

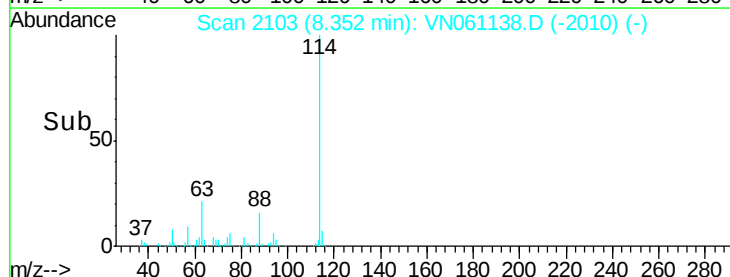
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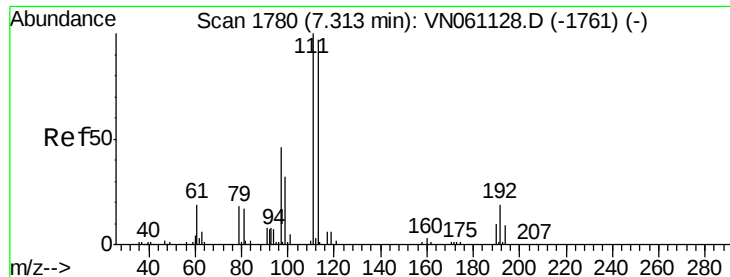
50000

0

Time-->

8.30 8.40 8.50

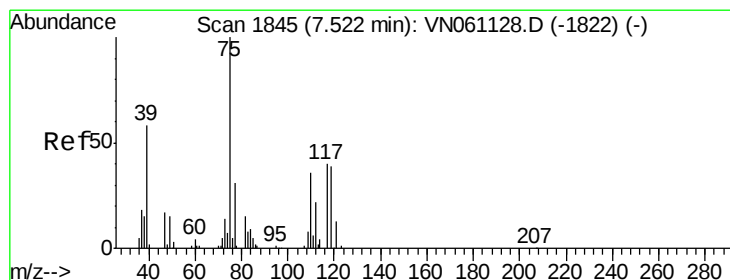
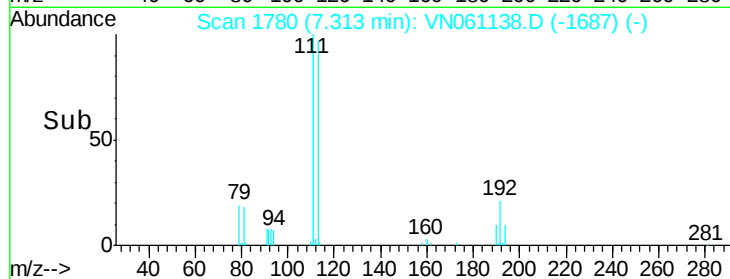
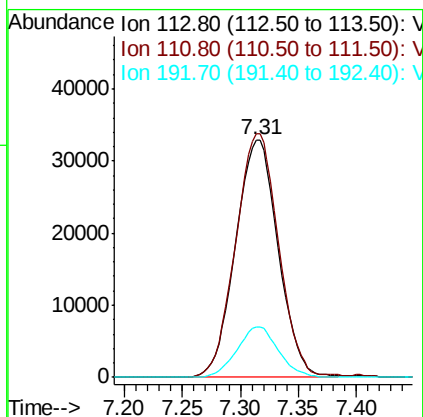
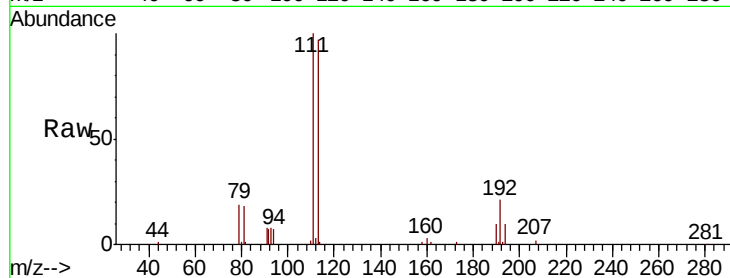




#35
 Dibromofluoromethane
 Concen: 50.693 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: VN061138.D
 Acq: 22 Apr 2020 19:32

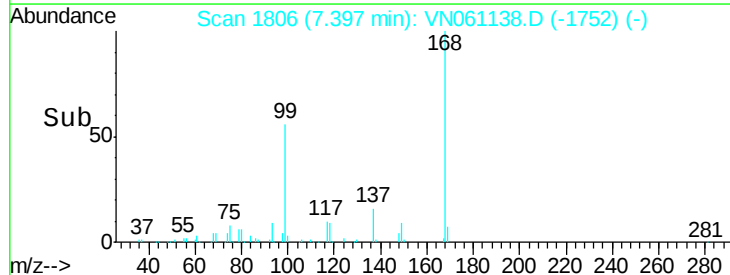
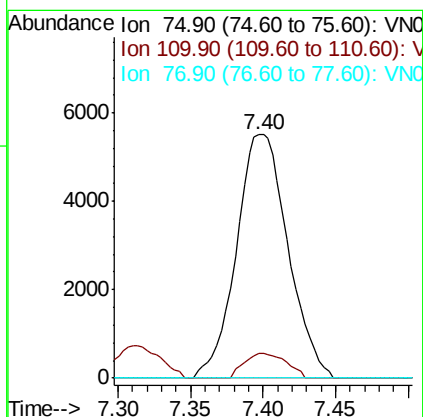
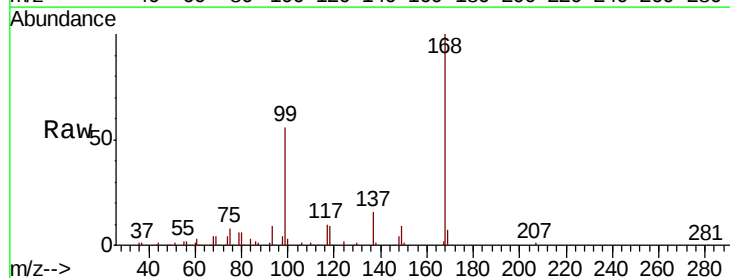
Instrument :
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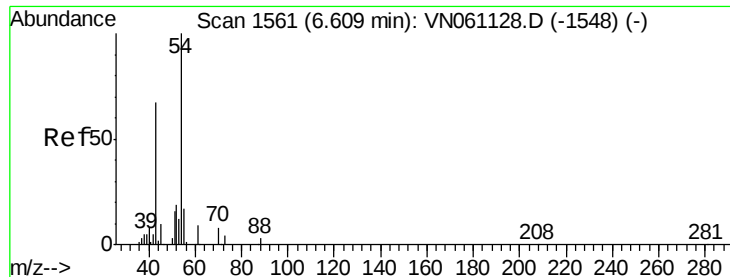
Tot Ion:113 Resp: 84299
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.0 124.6
 192 20.6 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 7.40 min Scan# 1806
 Delta R.T. -0.13 min
 Lab File: VN061138.D
 Acq: 22 Apr 2020 19:32

Tgt Ion: 75 Resp: 13591
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.7 53.1#
 77 0.0 24.8 37.2#

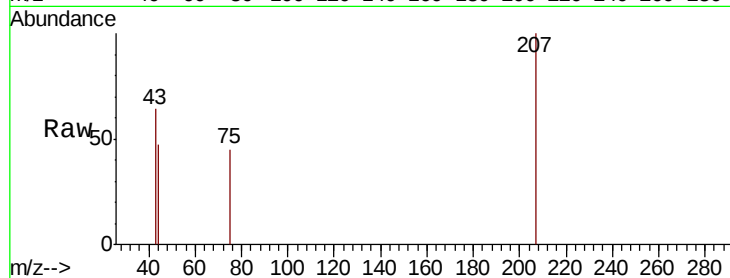




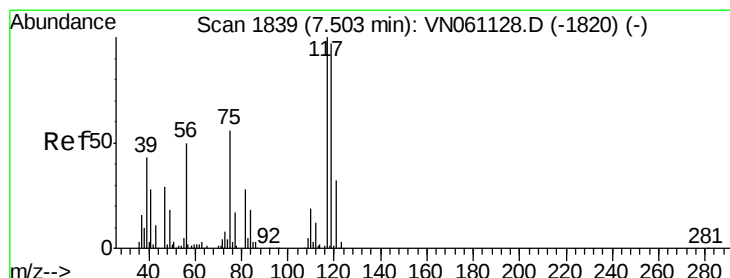
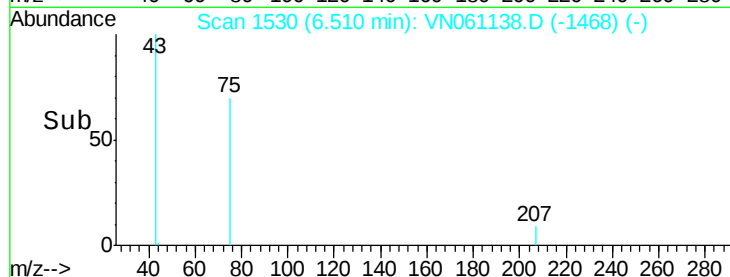
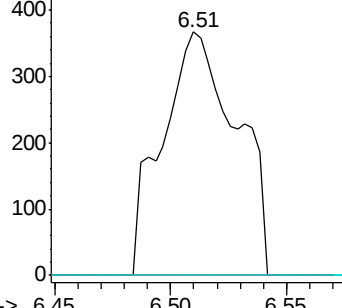
#37
Ethyl Acetate
Concen: 0.287 ug/l
RT: 6.51 min Scan# 1530
Delta R.T. -0.10 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.2 12.4#

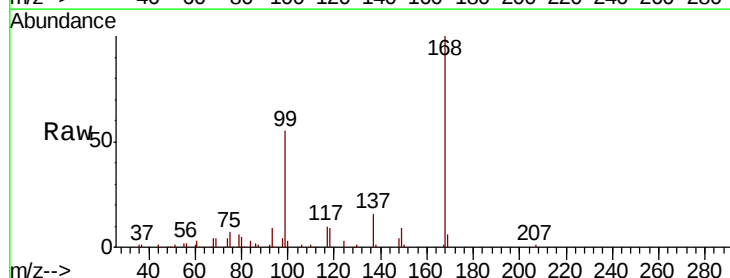


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

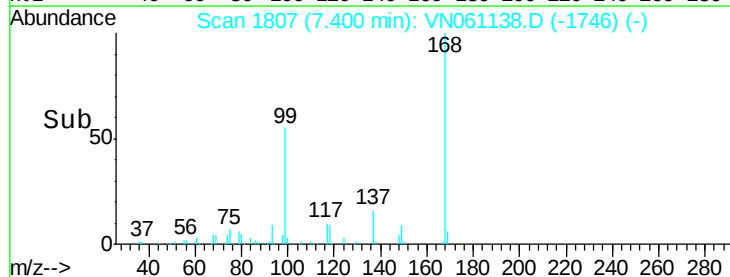
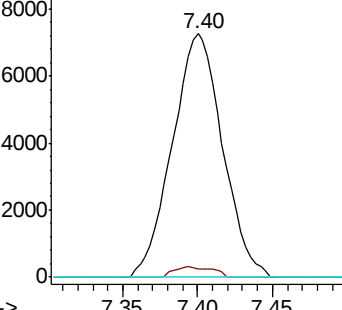


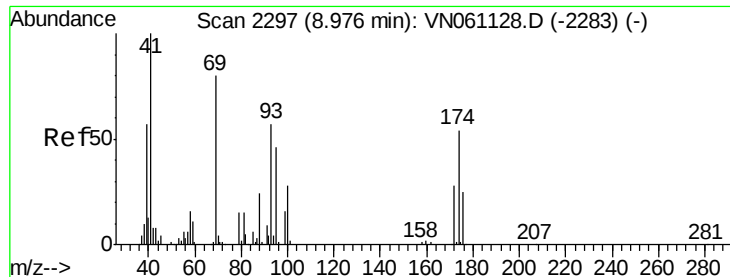
#38
Carbon Tetrachloride
Concen: 6.795 ug/l
RT: 7.40 min Scan# 1807
Delta R.T. -0.10 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Tgt Ion: 117 Resp: 16941
Ion Ratio Lower Upper
117 100
119 3.3 76.9 115.3#
121 0.0 25.0 37.6#



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

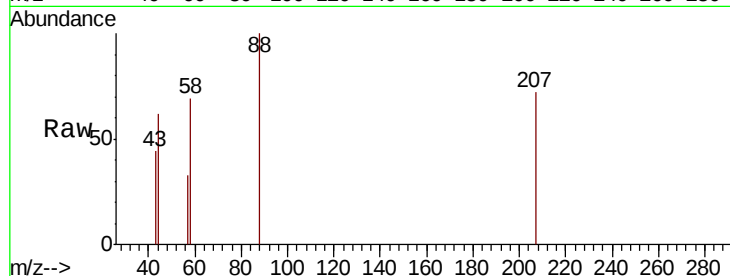




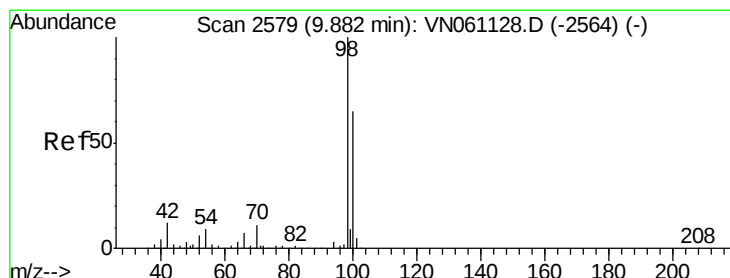
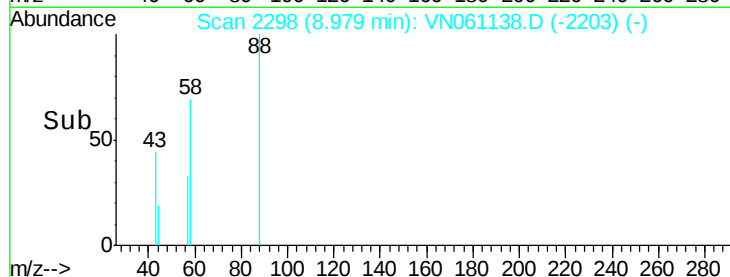
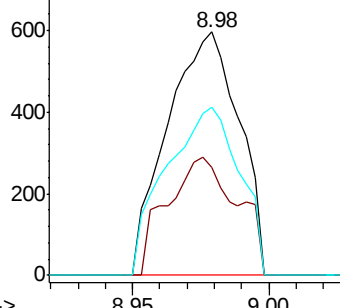
#49
1,4-Dioxane
Concen: Below Cal
RT: 8.98 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 88 Resp: 1090
Ion Ratio Lower Upper
88 100
43 47.4 29.0 43.4#
58 70.8 57.8 86.6

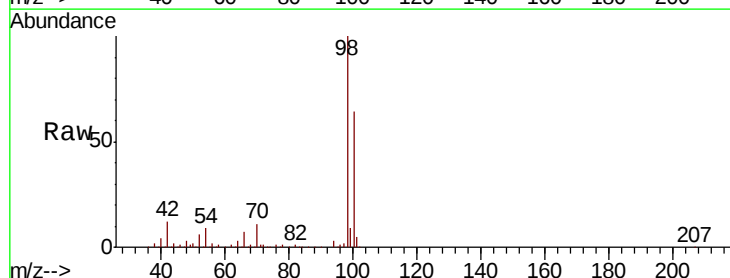


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

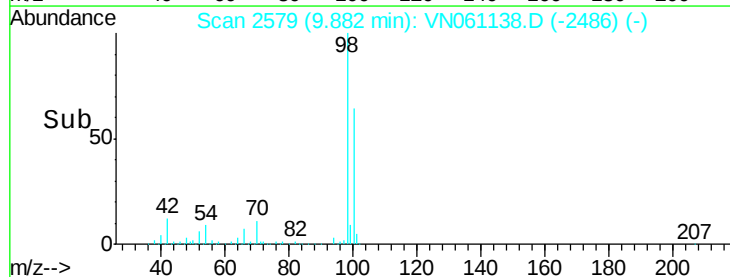
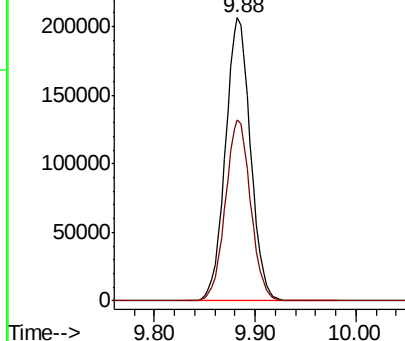


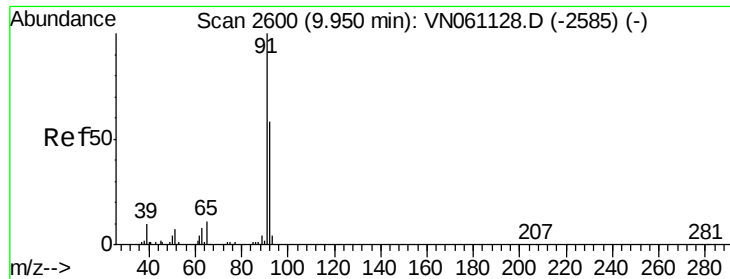
#50
Toluene-d8
Concen: 50.260 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. 0.00 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Tgt Ion: 98 Resp: 358146
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



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





#52

Toluene

Concen: 0.231 ug/l

RT: 9.95 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VN061138.D

Acq: 22 Apr 2020 19:32

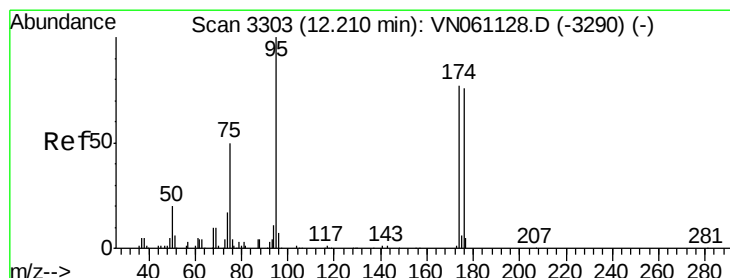
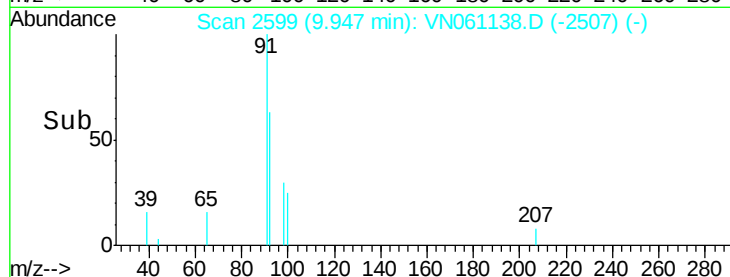
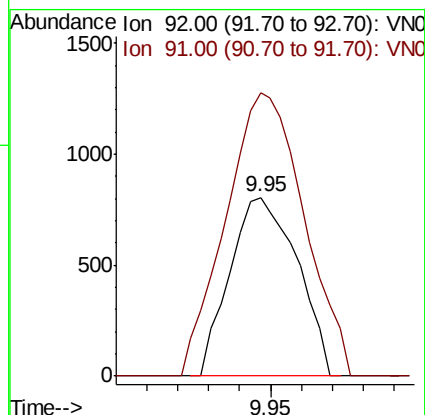
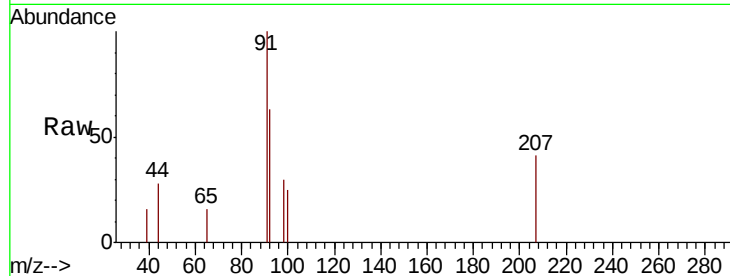
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 92 Resp: 1219

Ion Ratio Lower Upper

92 100

91 183.8 138.3 207.5



#62

4-Bromofluorobenzene

Concen: 52.849 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061138.D

Acq: 22 Apr 2020 19:32

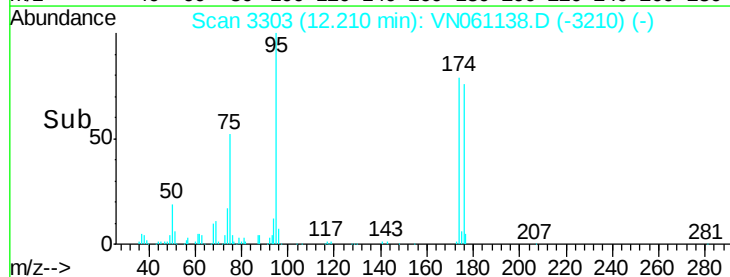
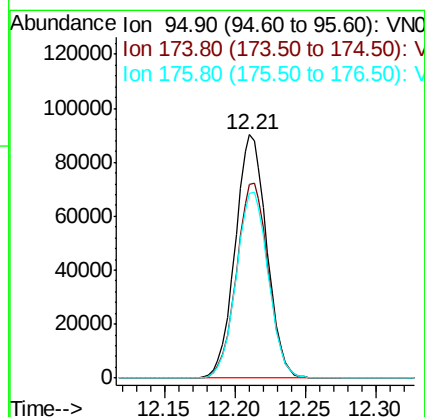
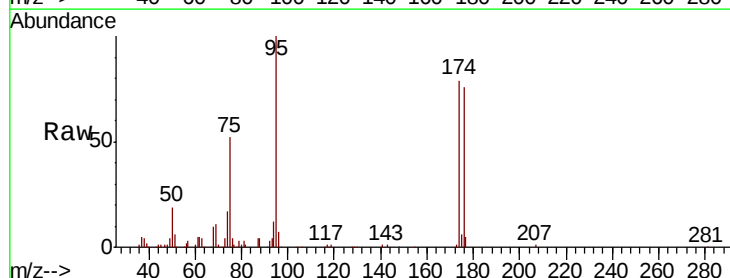
Tgt Ion: 95 Resp: 141041

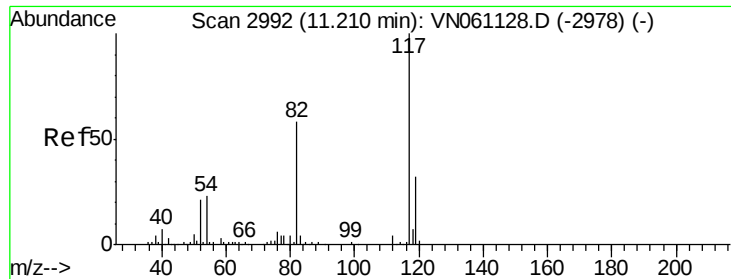
Ion Ratio Lower Upper

95 100

174 80.9 0.0 157.6

176 77.9 0.0 154.4

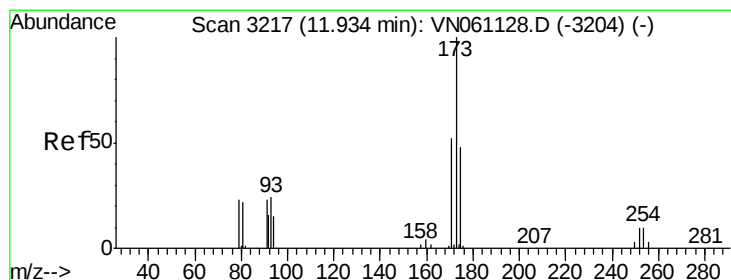
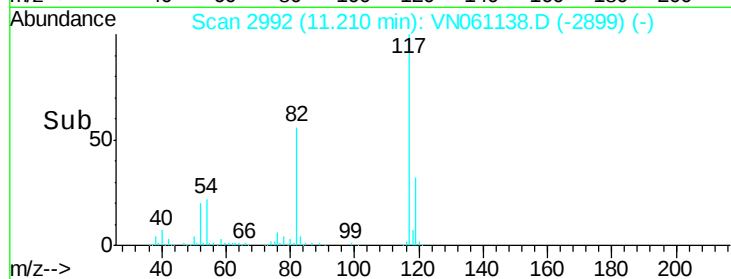
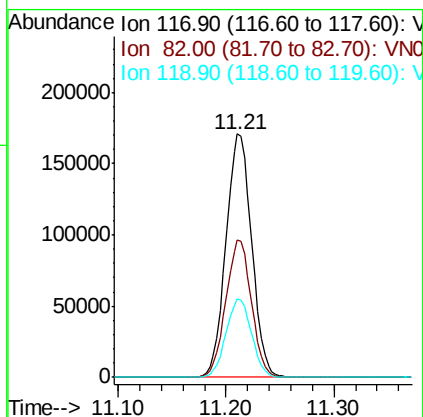
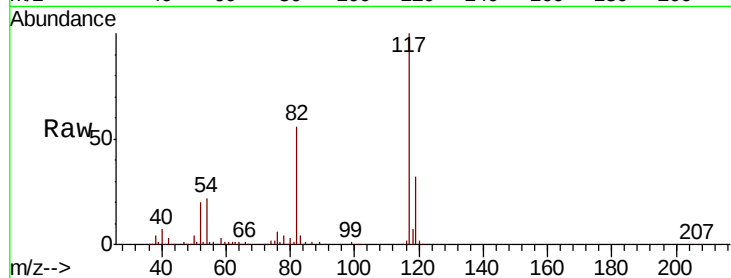




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. 0.00 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

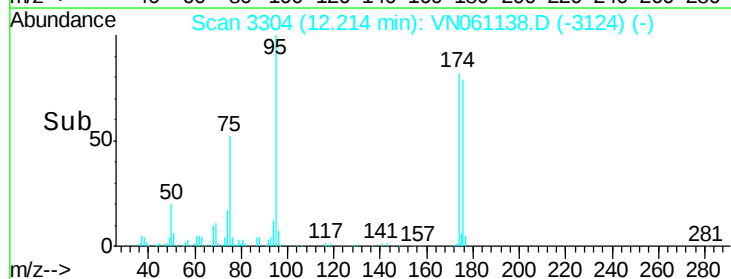
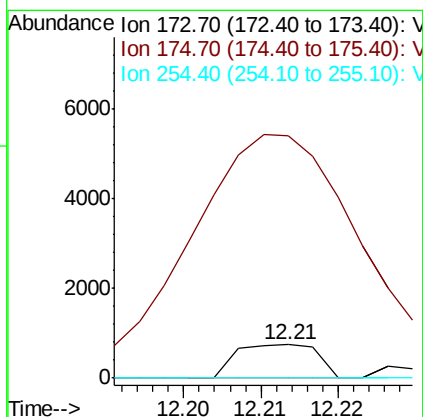
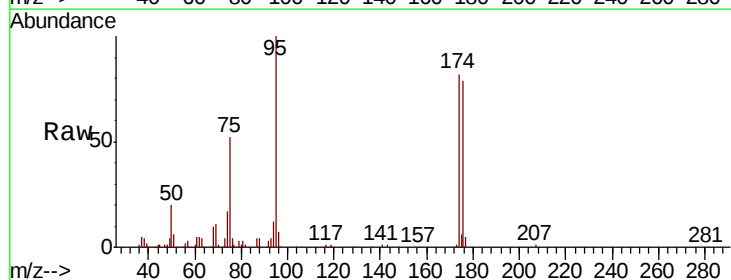
Instrument :
MSVOA_V
ClientSampleId :

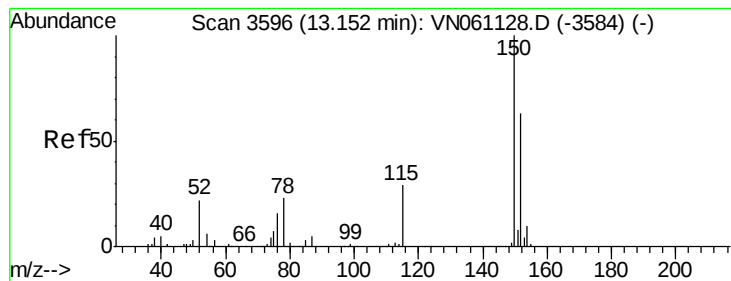
Tot Ion:117 Resp: 284303
Ion Ratio Lower Upper
117 100
82 56.3 46.0 69.0
119 32.0 25.9 38.9



#71
Bromoform
Concen: 0.352 ug/l
RT: 12.21 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN061138.D
Acq: 22 Apr 2020 19:32

Tgt Ion:173 Resp: 543
Ion Ratio Lower Upper
173 100
175 1294.1 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.15 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061138.D

Acq: 22 Apr 2020 19:32

Instrument :

MSVOA_V

ClientSampleId :

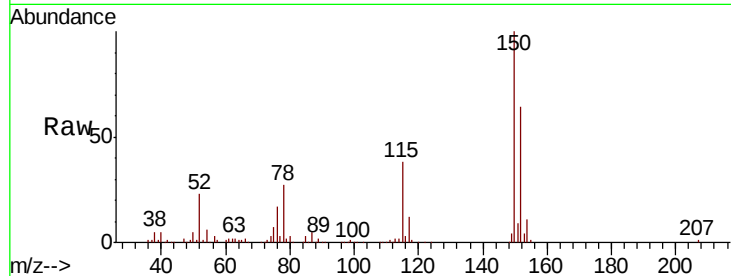
Tot Ion:152 Resp: 138338

Ion Ratio Lower Upper

152 100

115 59.1 29.8 89.5

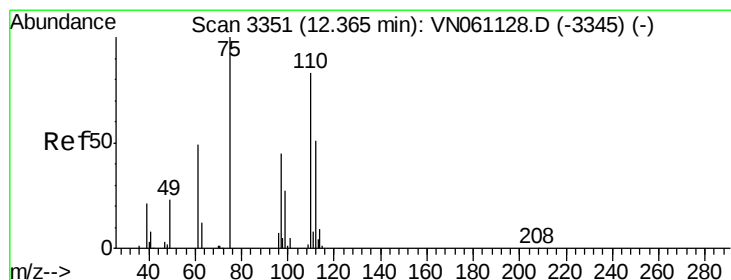
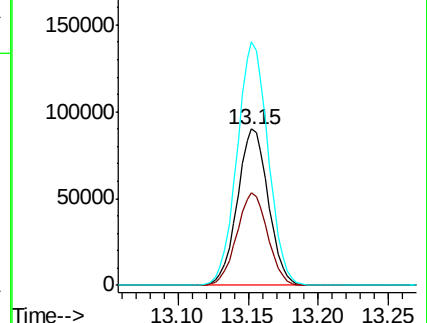
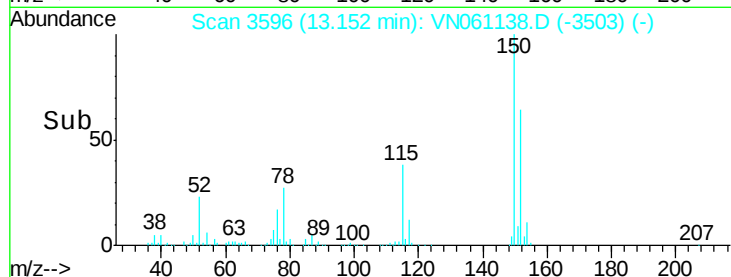
150 156.5 0.0 348.6



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



#76

1,2,3-Trichloropropane

Concen: 22.873 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061138.D

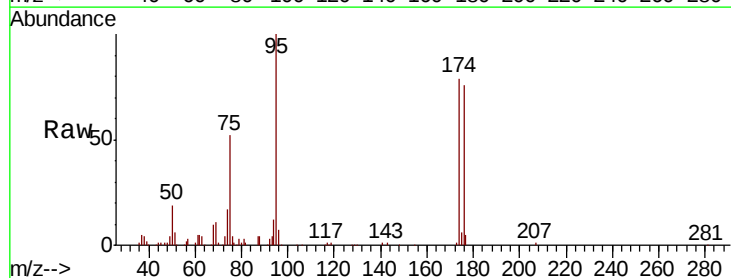
Acq: 22 Apr 2020 19:32

Tgt Ion: 75 Resp: 72989

Ion Ratio Lower Upper

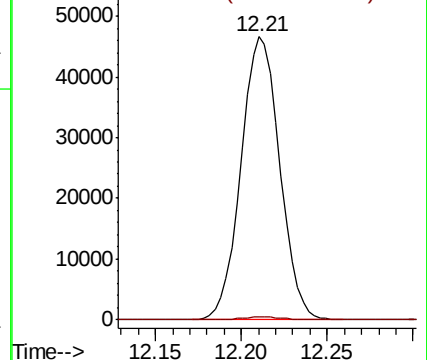
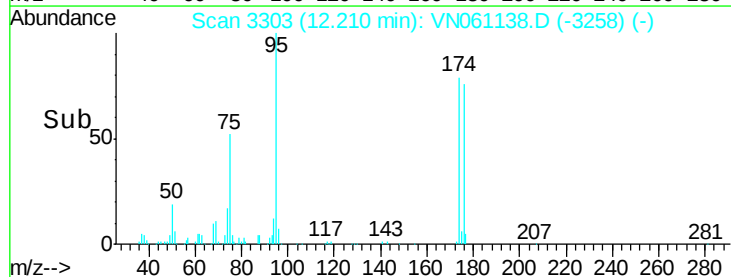
75 100

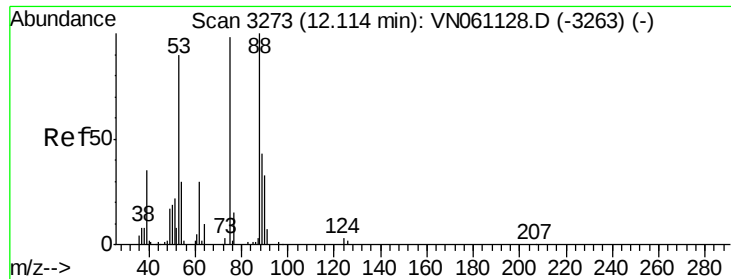
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 60.070 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061138.D

Acq: 22 Apr 2020 19:32

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 72989

Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.0 36.6 55.0#

