

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
 Data File : VN061533.D
 Acq On : 21 May 2020 16:14
 Operator : JC/MD
 Sample : PB129027ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 07:17:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	282313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	519735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	520325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	229825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	189237	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	
35) Dibromofluoromethane	7.55	113	138267	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.06	98	650360	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.37	95	247161	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	

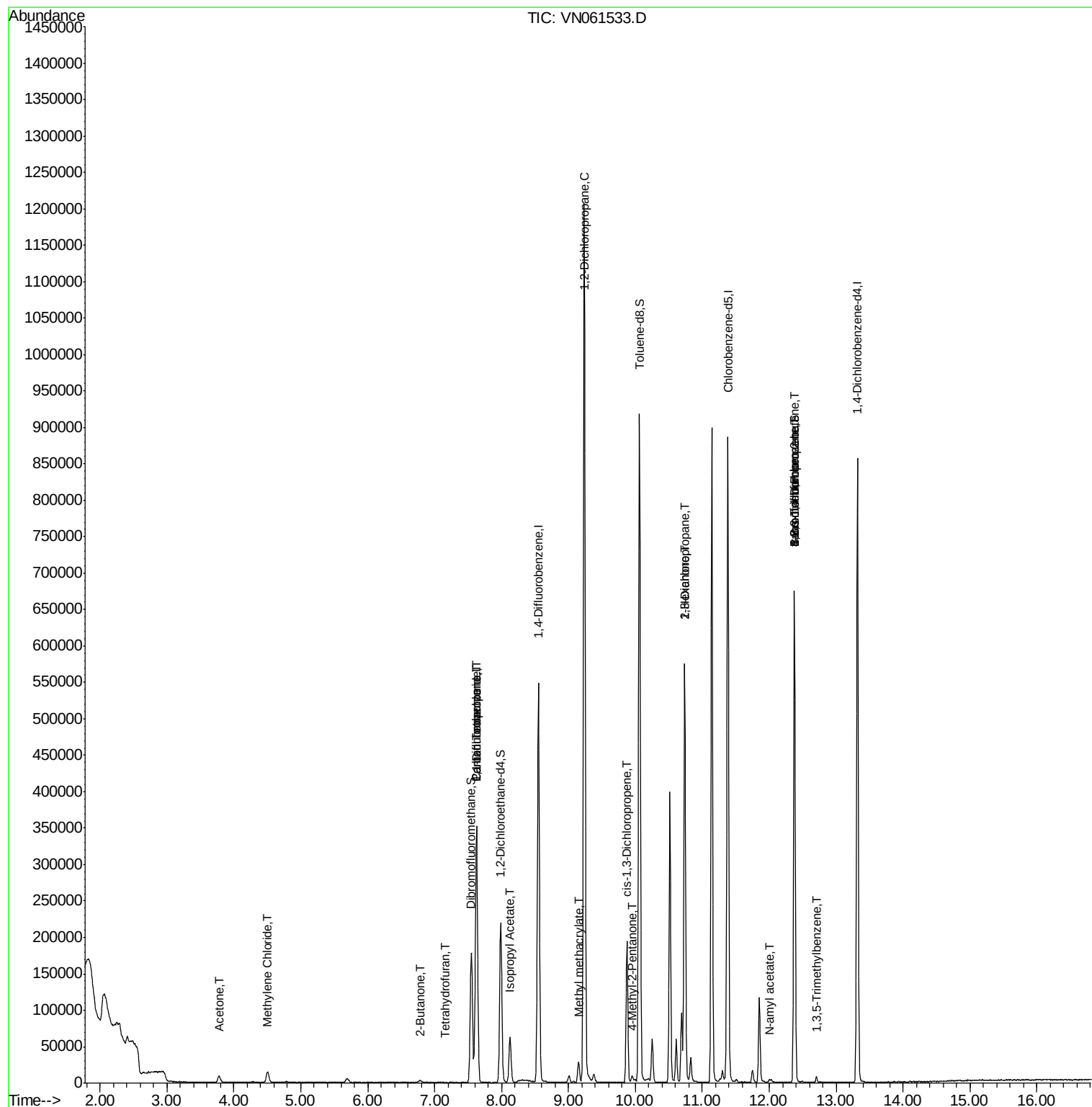
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	306	Below Cal	#	71
16) Acetone	3.78	43	15170	2.758	ug/l	95
17) Carbon Disulfide	4.02	76	30	Below Cal	#	75
18) Methyl Acetate	4.29	43	2511	Below Cal	#	76
20) Methylene Chloride	4.50	84	12072	3.486	ug/l	91
25) 2-Butanone	6.80	43	1783	0.929	ug/l #	46
29) Tetrahydrofuran	7.17	42	257	0.202	ug/l #	29
31) Cyclohexane	7.63	56	5774	Below Cal	#	1
36) 1,1-Dichloropropene	7.63	75	22572	4.645	ug/l #	50
38) Carbon Tetrachloride	7.62	117	29035	6.488	ug/l #	16
43) Isopropyl Acetate	8.13	43	71645	9.321	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	1684	0.459	ug/l #	43
48) Methyl methacrylate	9.14	41	3649	1.028	ug/l #	9
49) 1,4-Dioxane	9.24	88	66	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.95	43	6563	1.567	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	38843	6.157	ug/l #	59
57) 1,3-Dichloropropane	10.74	76	6527	1.062	ug/l #	42
59) 2-Hexanone	10.74	43	77044	25.431	ug/l #	50
71) Bromoform	12.37	173	1895	2.635	ug/l #	1
74) N-amyl acetate	12.00	43	3488	0.516	ug/l #	42
76) 1,2,3-Trichloropropane	12.37	75	124250	25.195	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4382	0.290	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.37	75	124250	66.838	ug/l #	12

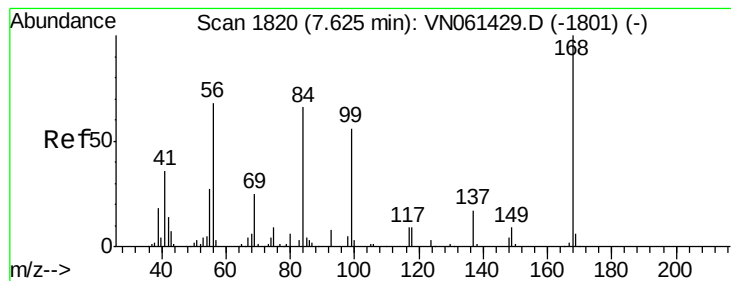
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
Data File : VN061533.D
Acq On : 21 May 2020 16:14
Operator : JC/MD
Sample : PB129027ZHE#07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 22 07:17:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

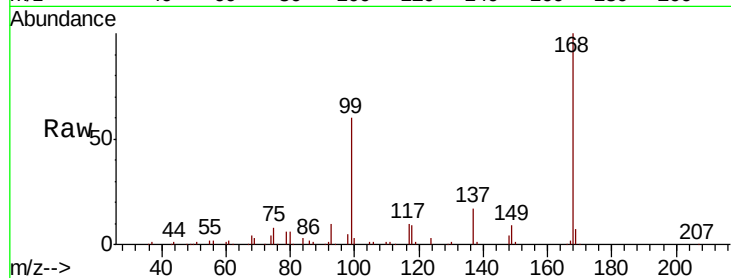
ClientSampleId :

Tot Ion:168 Resp: 282313

Ion Ratio Lower Upper

168 100

99 60.3 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

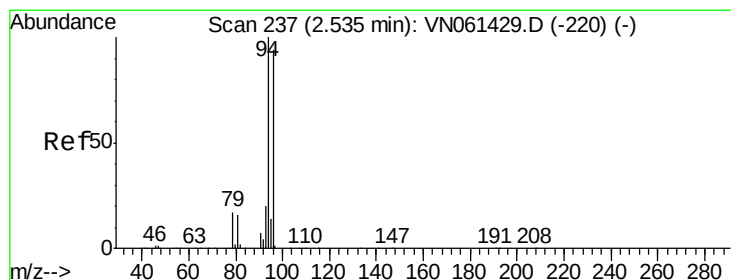
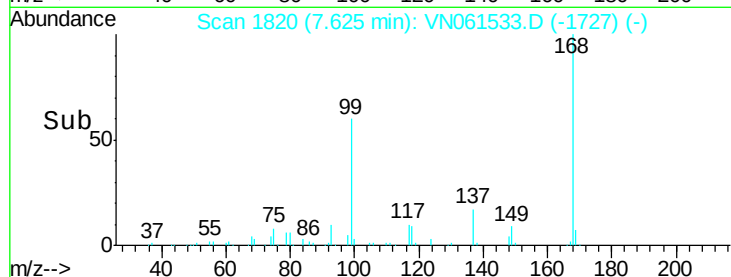
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061533.D

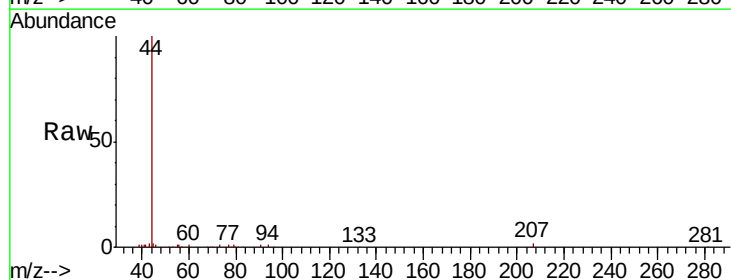
Acq: 21 May 2020 16:14

Tgt Ion: 94 Resp: 306

Ion Ratio Lower Upper

94 100

96 65.4 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

300

250

200

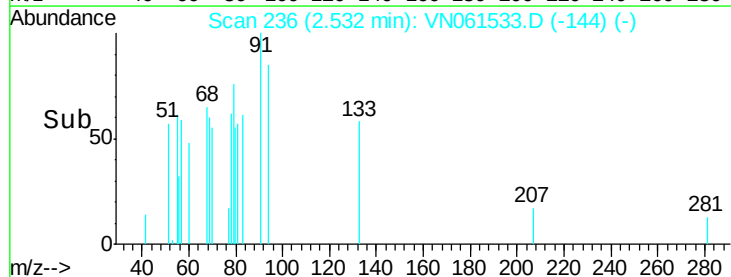
150

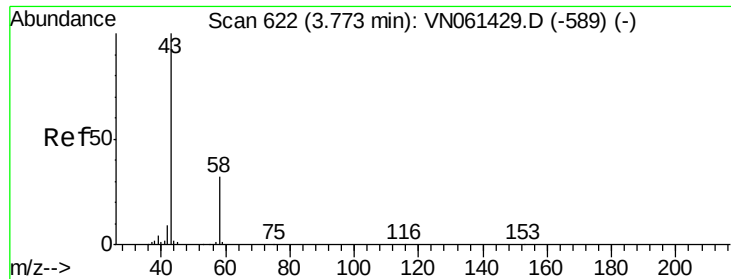
100

50

0

Time--> 2.52 2.54

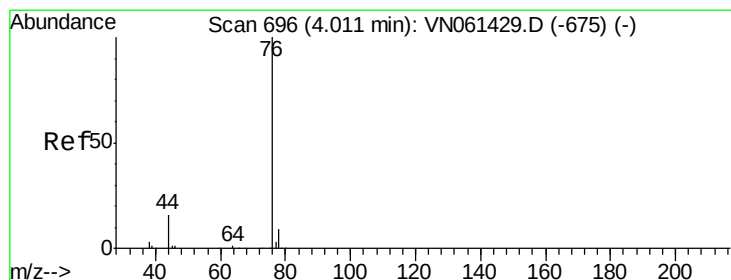
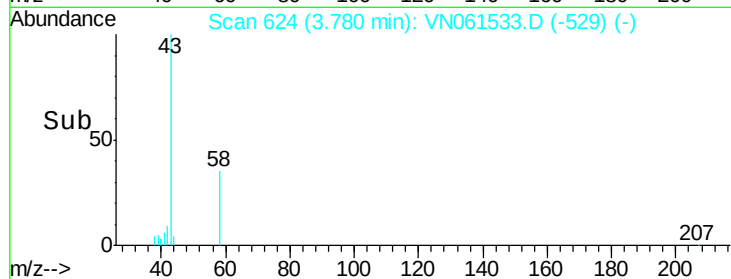
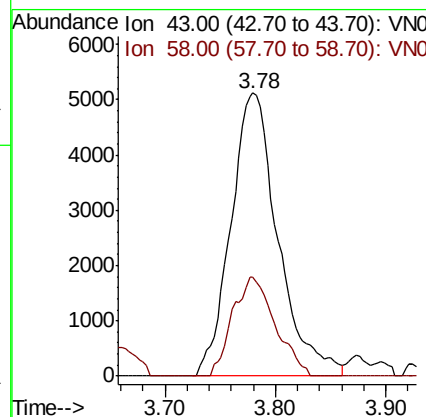
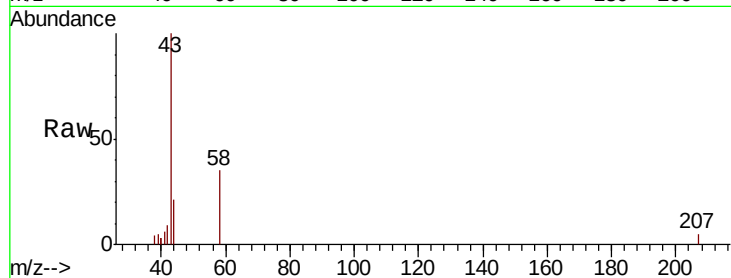




#16
Acetone
Concen: 2.758 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

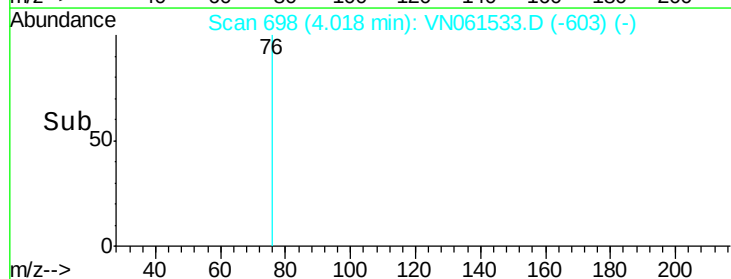
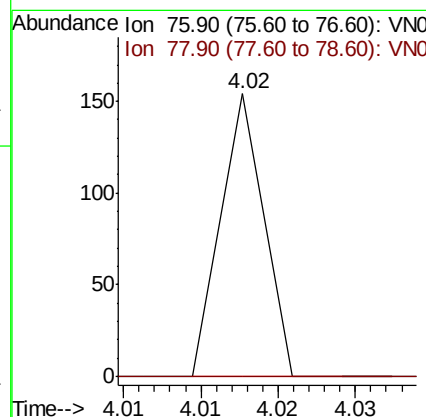
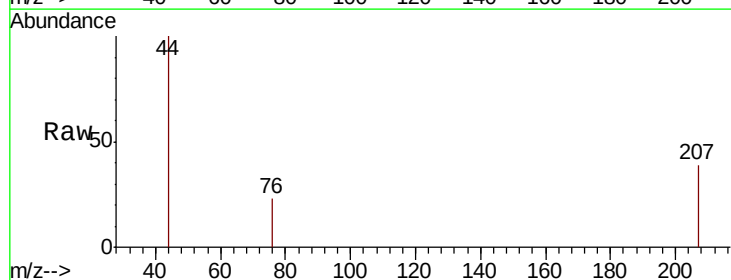
Instrument :
MSVOA_N
ClientSampleId :

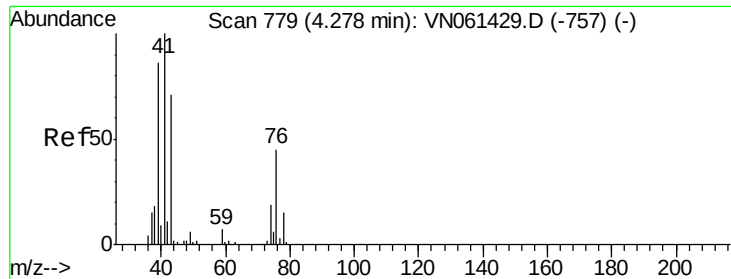
Tot Ion: 43 Resp: 15170
Ion Ratio Lower Upper
43 100
58 35.0 25.6 38.4



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 698
Delta R.T. 0.01 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

Tgt Ion: 76 Resp: 30
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

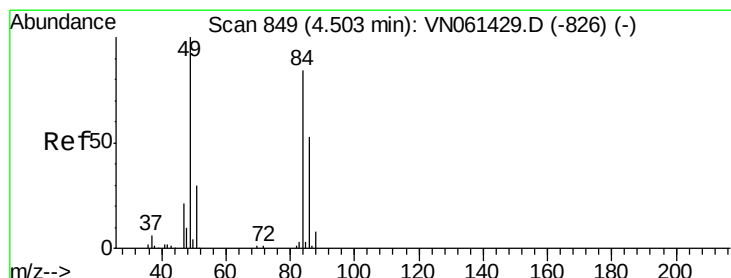
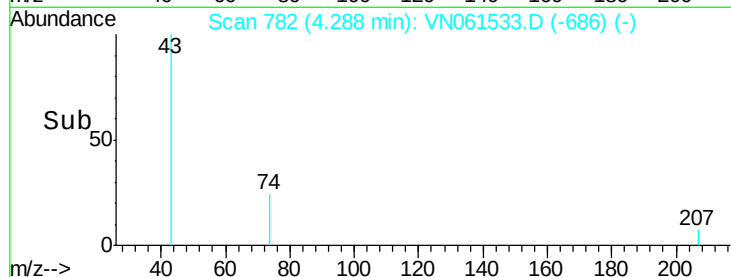
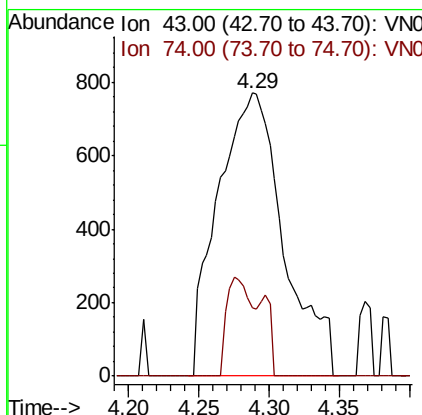
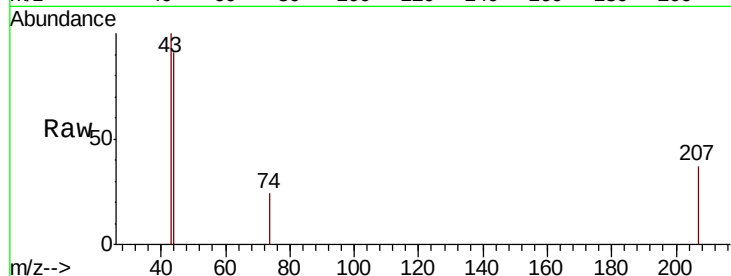




#18
Methvl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

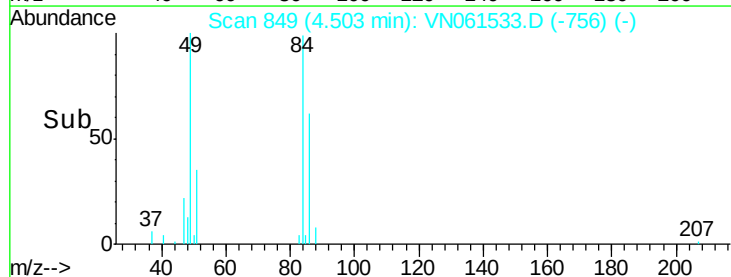
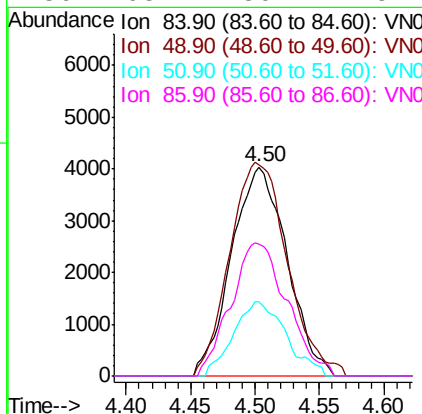
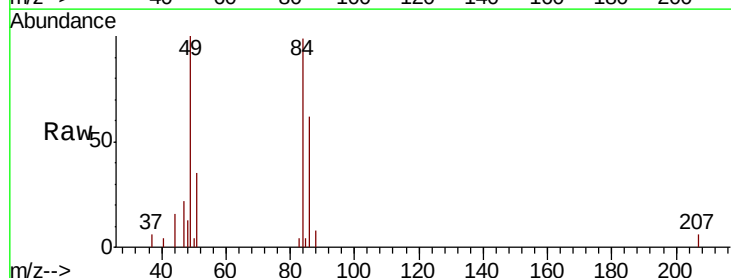
Instrument :
MSVOA_N
ClientSampled :

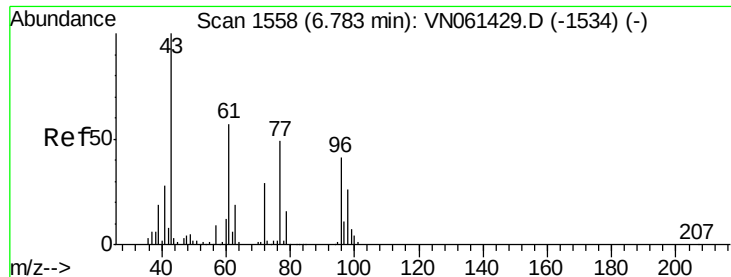
Tot Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
74 13.6 20.8 31.2#



#20
Methylene Chloride
Concen: 3.486 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

Tgt Ion: 84 Resp: 12072
Ion Ratio Lower Upper
84 100
49 101.3 95.3 142.9
51 35.8 29.0 43.6
86 63.1 50.2 75.2

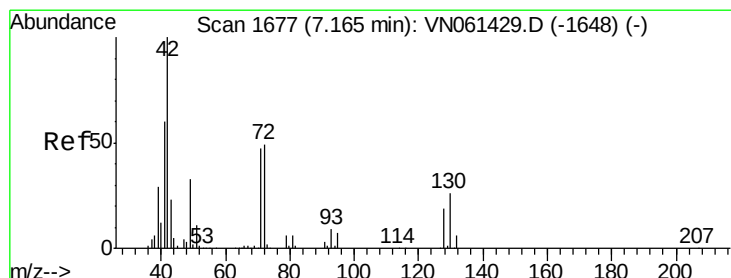
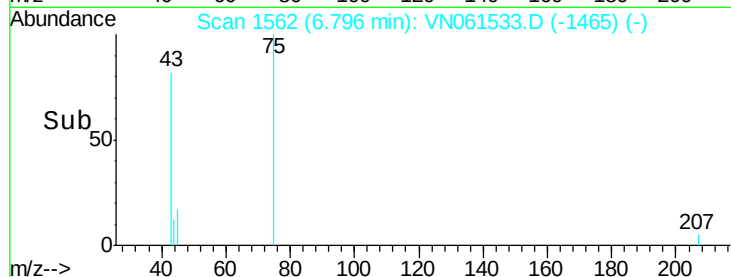
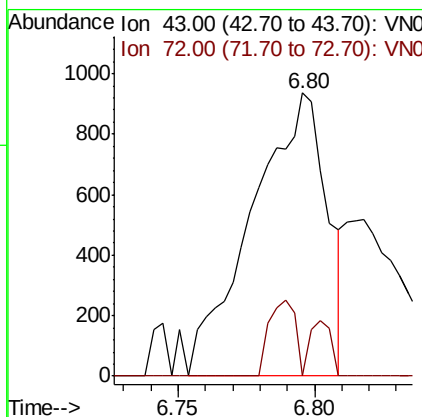
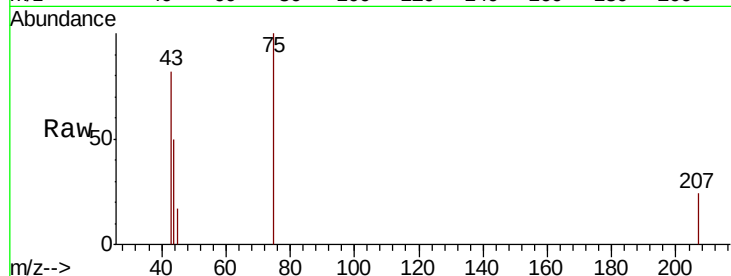




#25
2-Butanone
Concen: 0.929 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

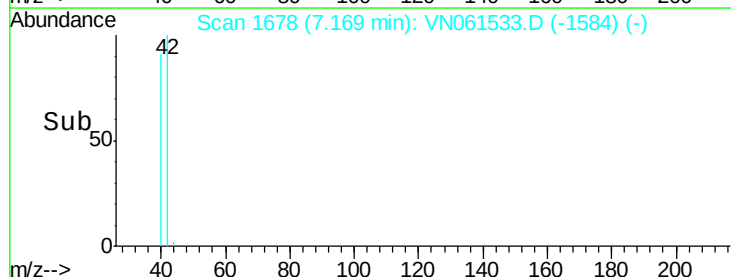
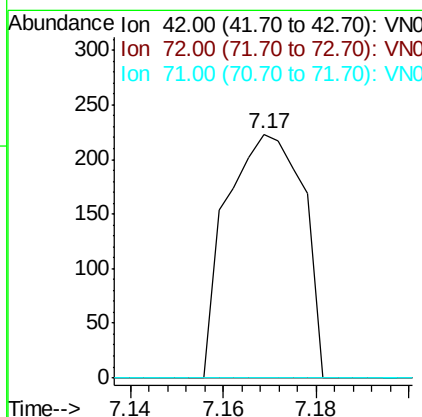
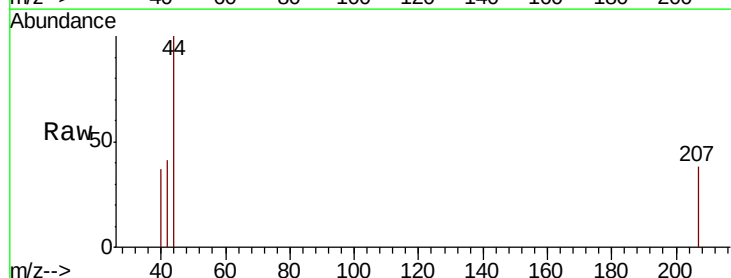
Instrument :
MSVOA_N
ClientSampled :

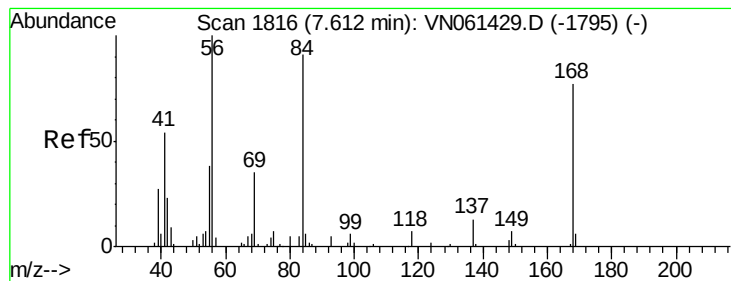
Tot Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#29
Tetrahydrofuran
Concen: 0.202 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

Tgt Ion: 42 Resp: 257
Ion Ratio Lower Upper
42 100
72 0.0 39.0 58.6#
71 0.0 36.9 55.3#





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

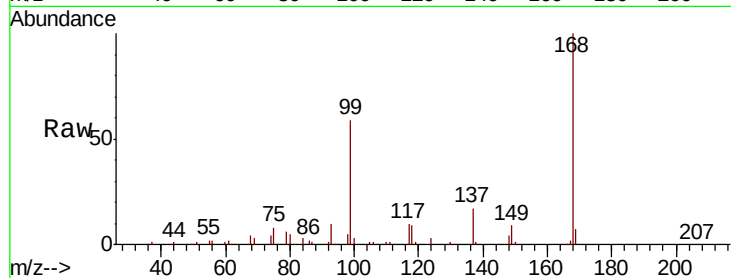
Tot Ion: 56 Resp: 5774

Ion Ratio Lower Upper

56 100

69 175.5 27.8 41.6#

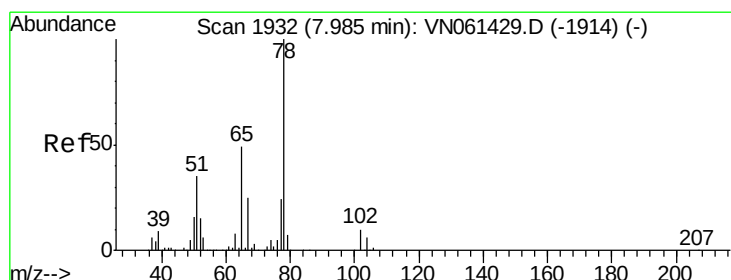
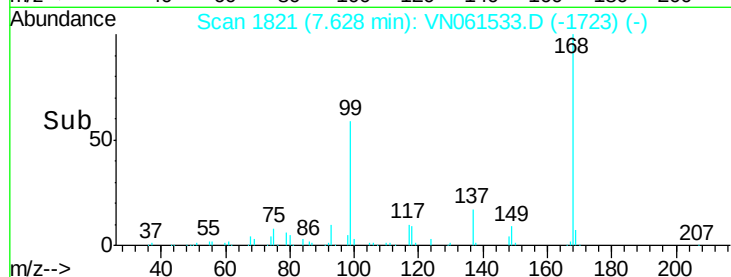
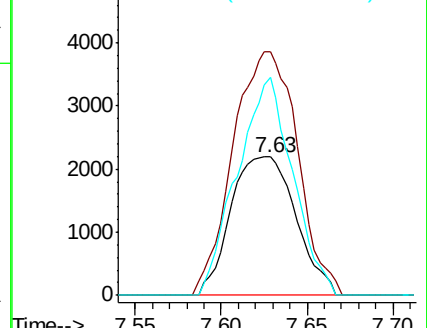
84 157.6 72.7 109.1#



Abundance Ion 56.00 (55.70 to 56.70): VN061429.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061429.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061429.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 44.913 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN061533.D

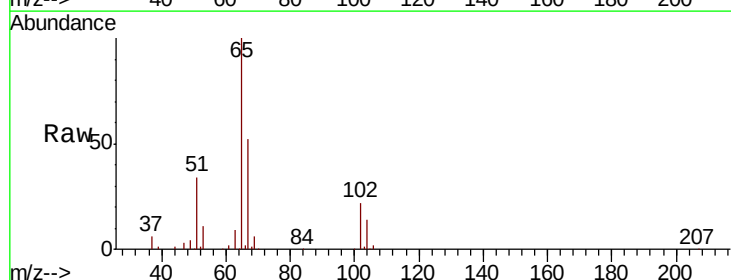
Acq: 21 May 2020 16:14

Tgt Ion: 65 Resp: 189237

Ion Ratio Lower Upper

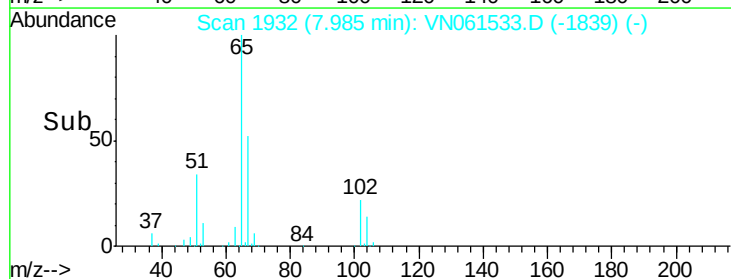
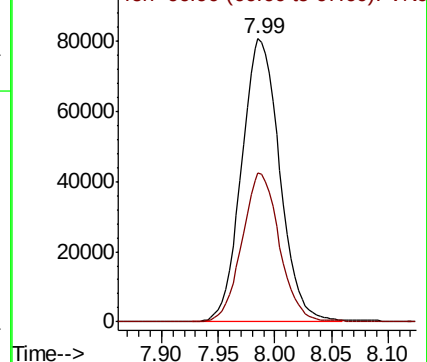
65 100

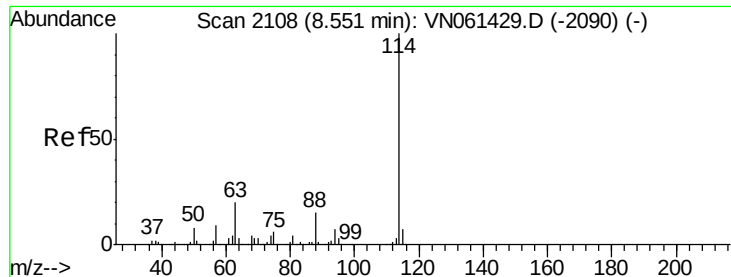
67 51.6 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN061429.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061429.D (-1914) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

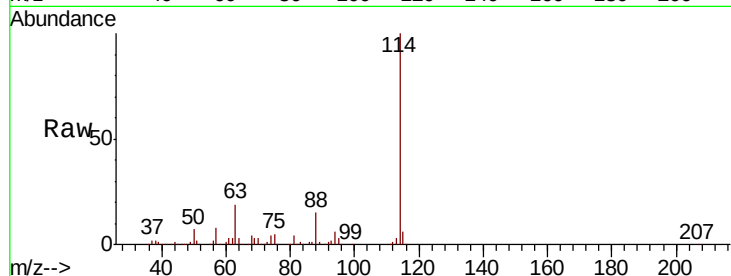
Tot Ion:114 Resp: 519735

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

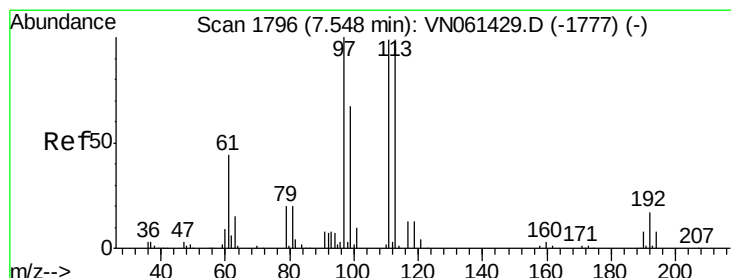
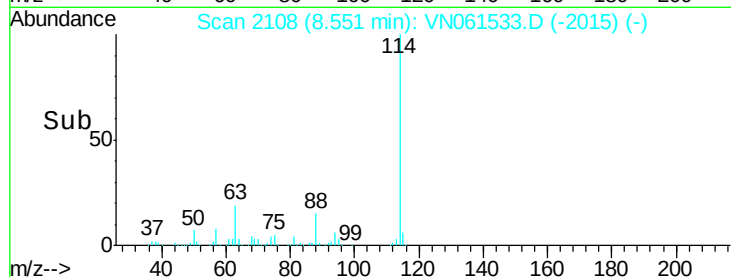
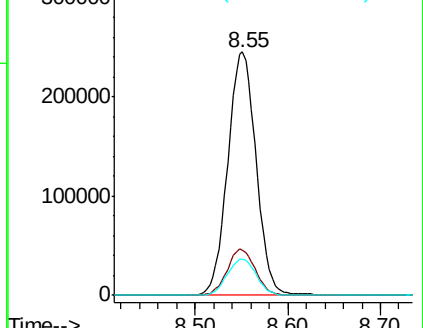
88 14.9 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.782 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

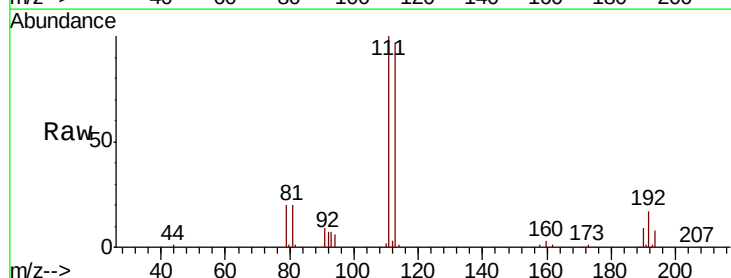
Tgt Ion:113 Resp: 138267

Ion Ratio Lower Upper

113 100

111 102.3 80.6 121.0

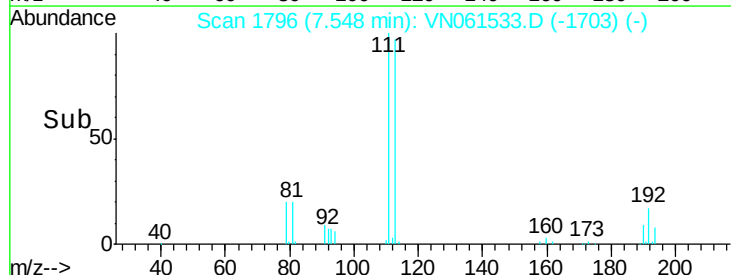
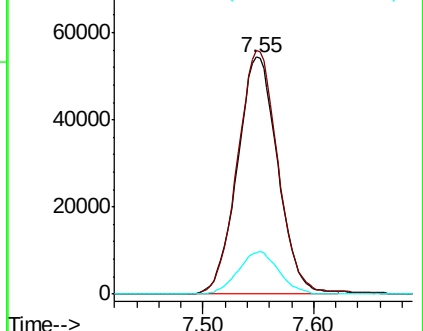
192 17.9 13.2 19.8

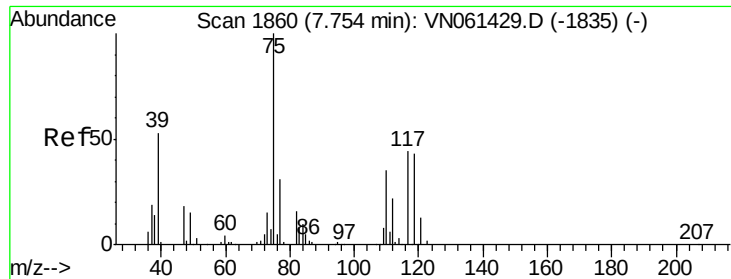


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

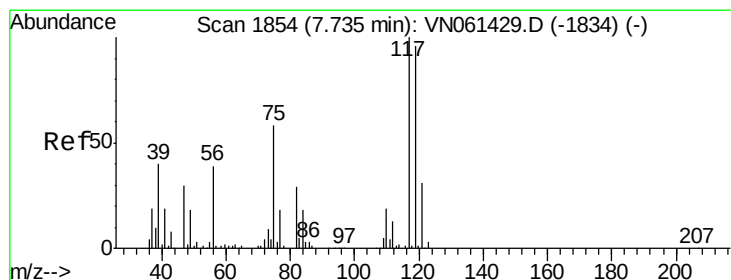
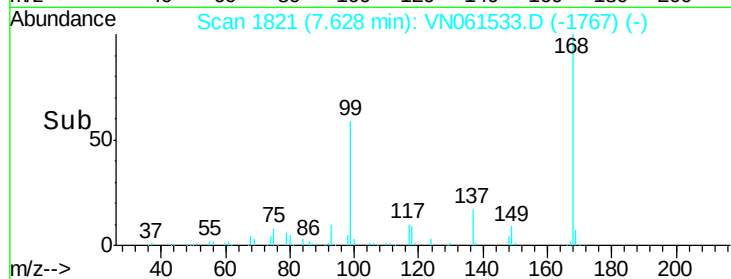
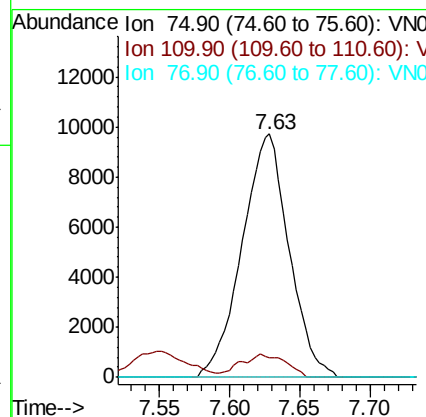
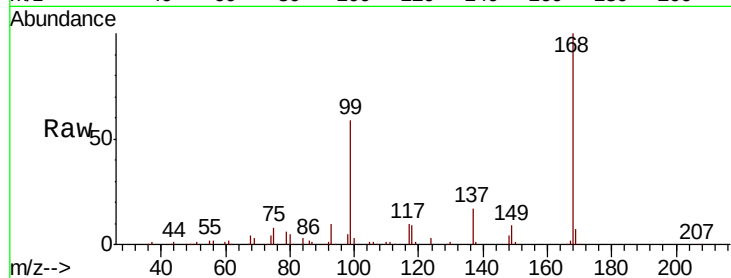




#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.13 min
 Lab File: VN061533.D
 Acq: 21 May 2020 16:14

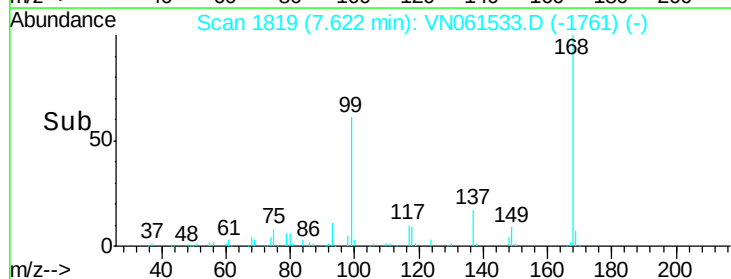
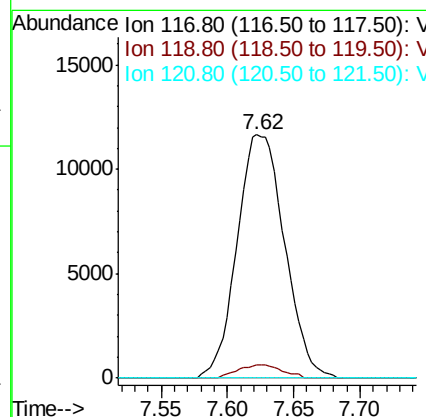
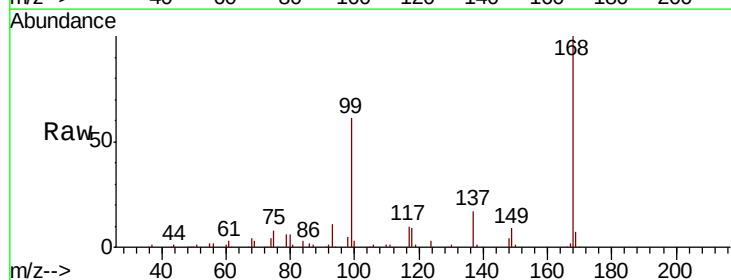
Instrument :
 MSVOA_N
 ClientSampleId :

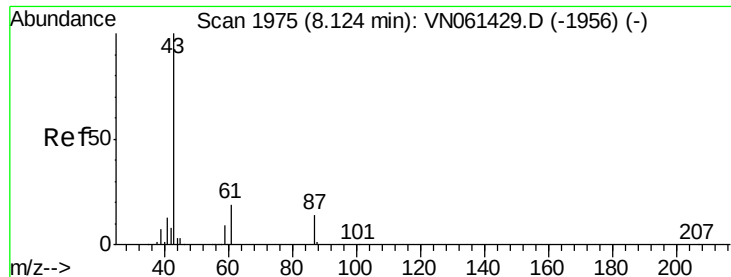
Tot Ion	75	Resp	22572
Ion Ratio	Lower	Upper	
75	100		
110	9.1	17.3	51.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.488 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061533.D
 Acq: 21 May 2020 16:14

Tgt Ion	117	Resp	29035
Ion Ratio	Lower	Upper	
117	100		
119	5.4	77.0	115.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 9.321 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

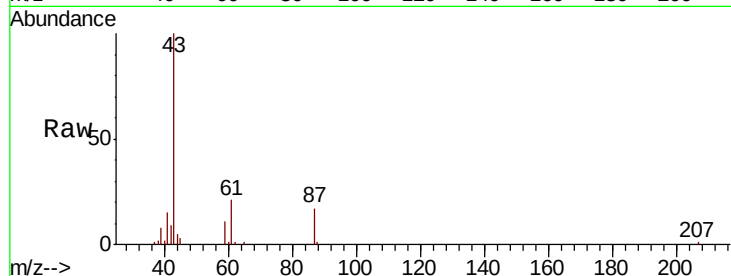
Tot Ion: 43 Resp: 71645

Ion Ratio Lower Upper

43 100

61 21.3 23.0 34.4#

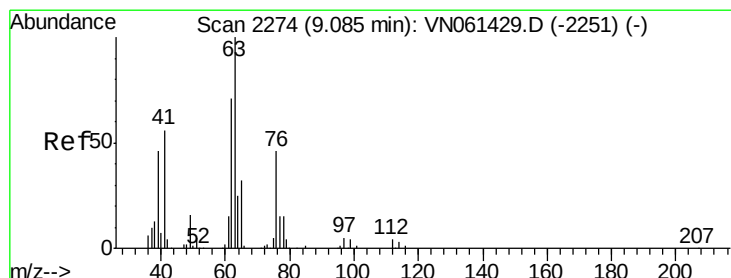
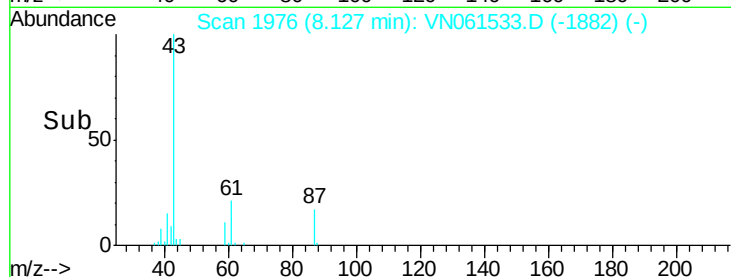
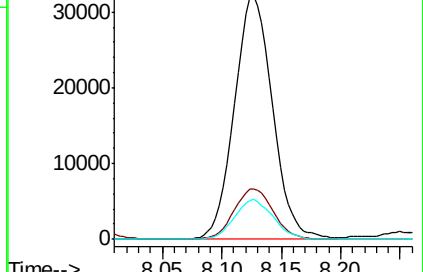
87 16.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061533.D (-1976) (-)

Ion 61.00 (60.70 to 61.70): VN061533.D (-1976) (-)

Ion 87.00 (86.70 to 87.70): VN061533.D (-1976) (-)



#45

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN061533.D

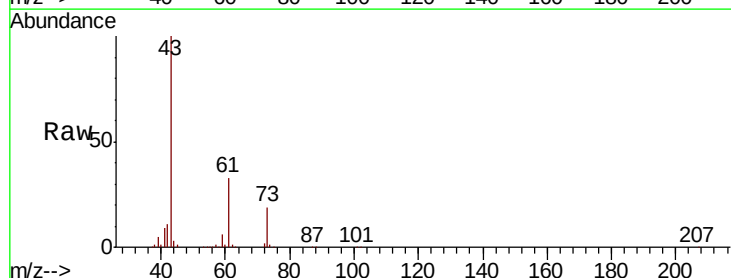
Acq: 21 May 2020 16:14

Tgt Ion: 63 Resp: 1684

Ion Ratio Lower Upper

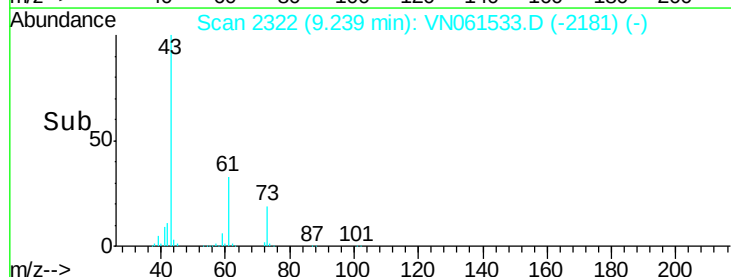
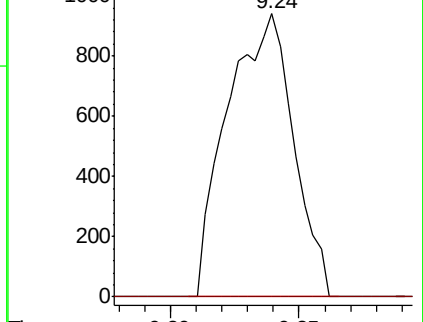
63 100

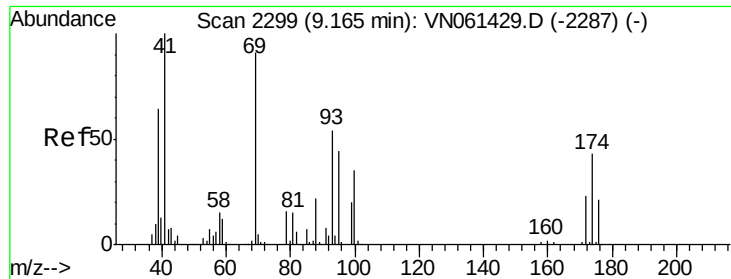
65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VN061533.D (-2322) (-)

Ion 64.90 (64.60 to 65.60): VN061533.D (-2322) (-)

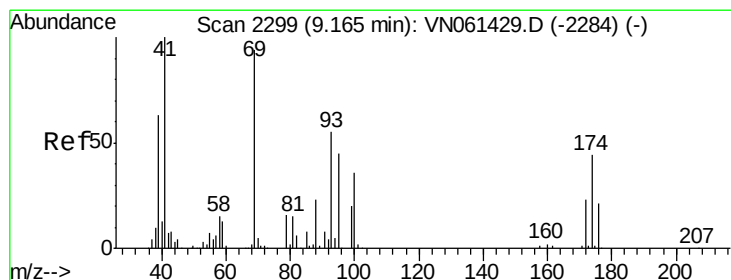
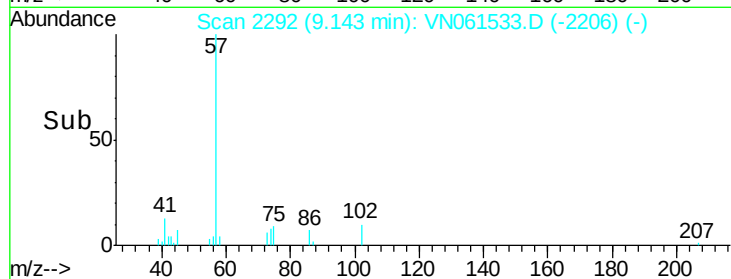
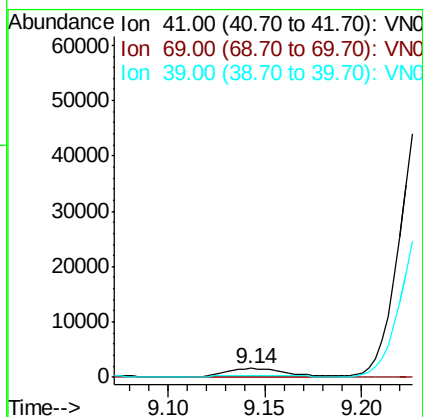
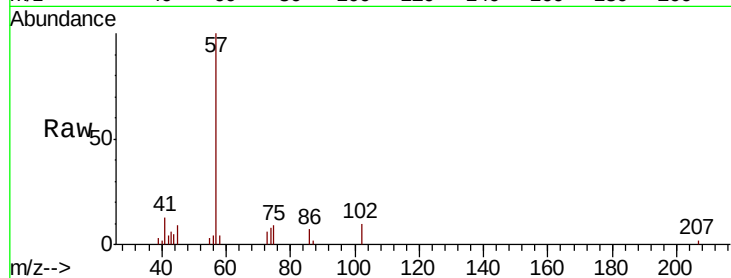




#48
Methvl methacrylate
Concen: 1.028 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

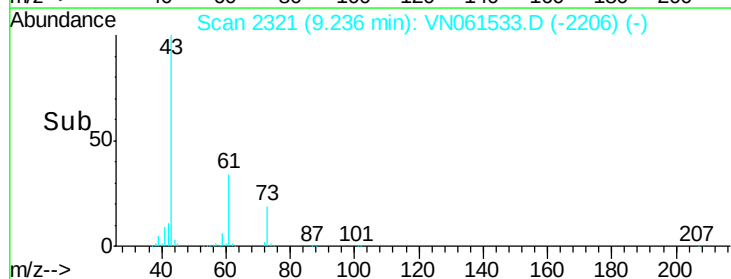
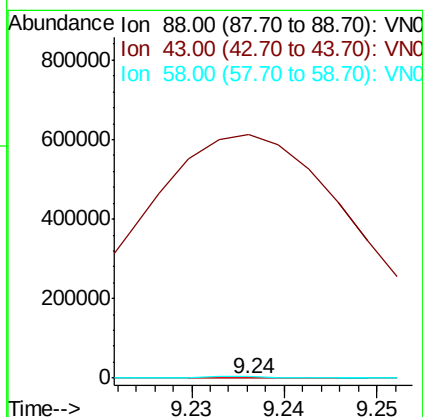
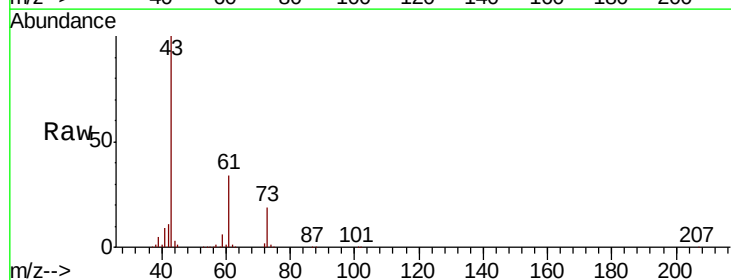
Instrument :
MSVOA_N
ClientSampleId :

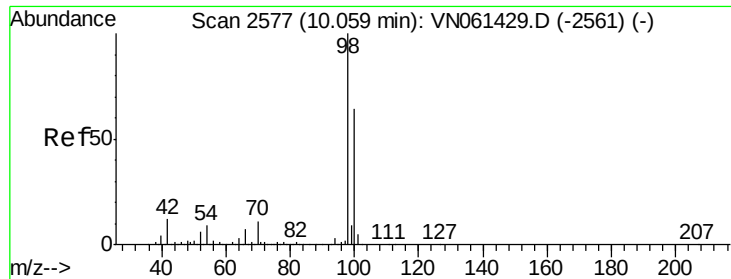
Tot Ion: 41 Resp: 3649
Ion Ratio Lower Upper
41 100
69 0.0 75.3 112.9#
39 0.0 52.6 79.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.24 min Scan# 2321
Delta R.T. 0.07 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 1744498.5 26.3 39.5#
58 7606.1 54.1 81.1#





#50

Toluene-d8

Concen: 51.498 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

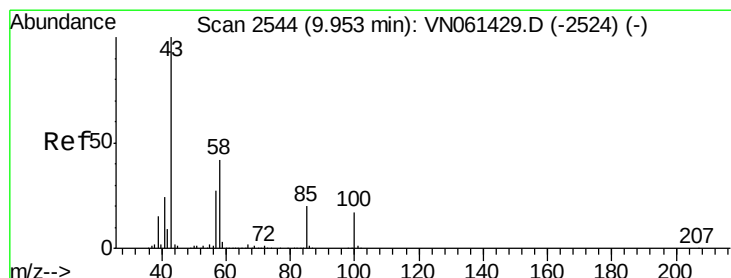
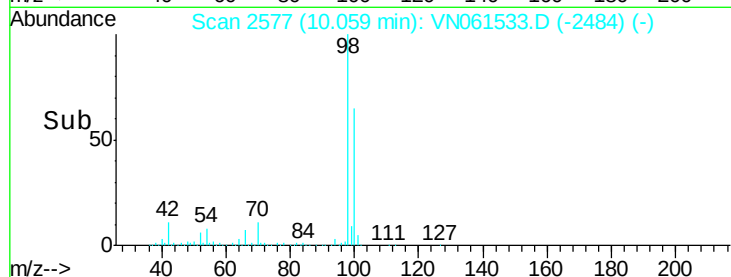
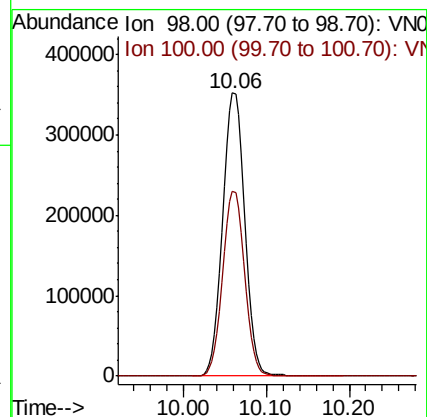
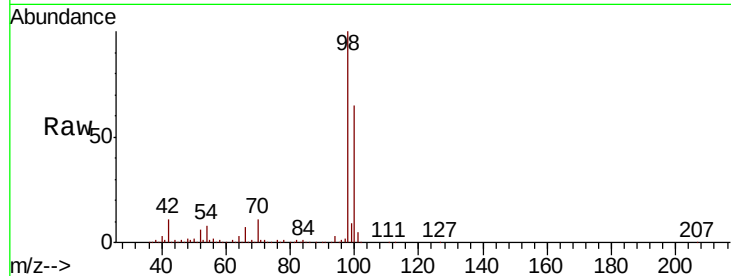
ClientSampled :

Tot Ion: 98 Resp: 650360

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.567 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061533.D

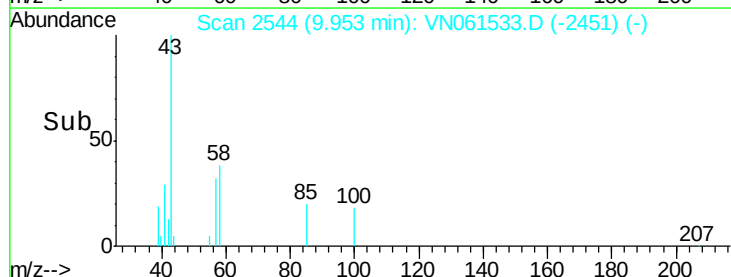
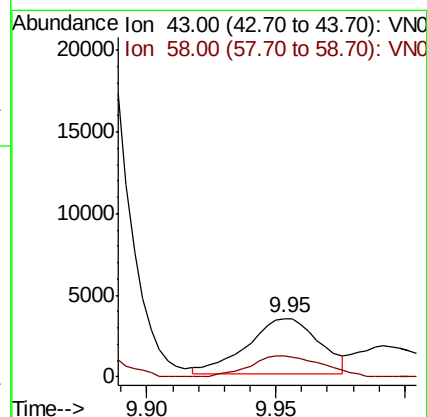
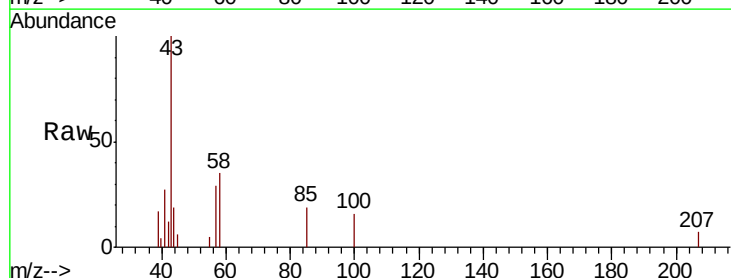
Acq: 21 May 2020 16:14

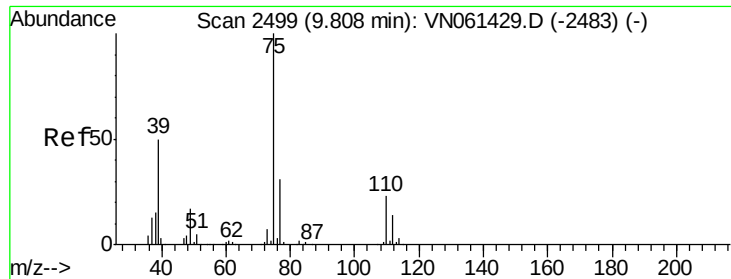
Tgt Ion: 43 Resp: 6563

Ion Ratio Lower Upper

43 100

58 38.6 33.4 50.2





#54

cis-1,3-Dichloropropene

Concen: 6.157 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

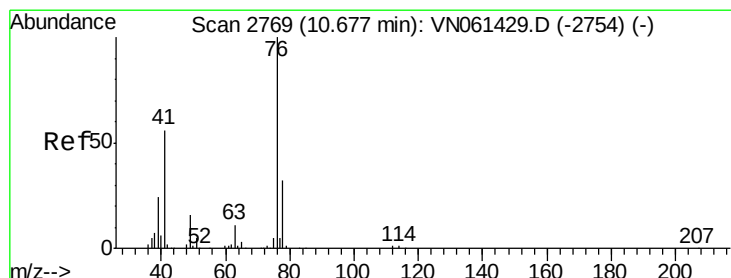
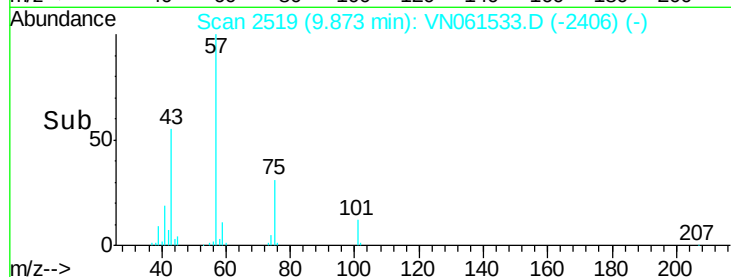
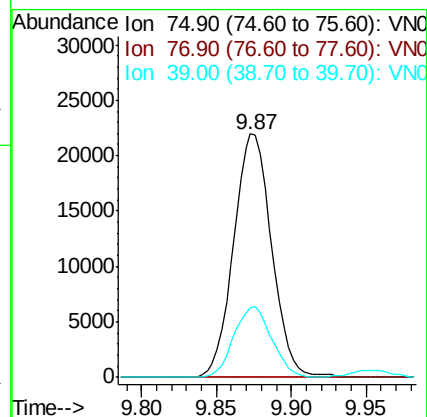
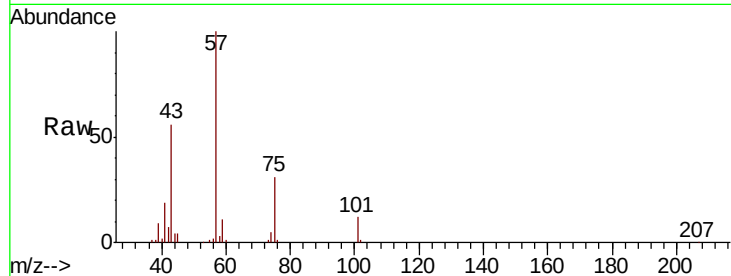
Tot Ion: 75 Resp: 38843

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 28.7 39.8 59.6#



#57

1,3-Dichloropropane

Concen: 1.062 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061533.D

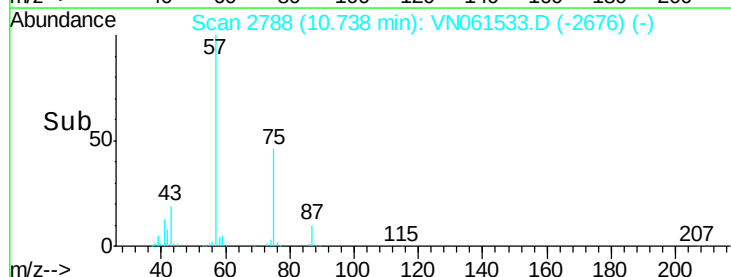
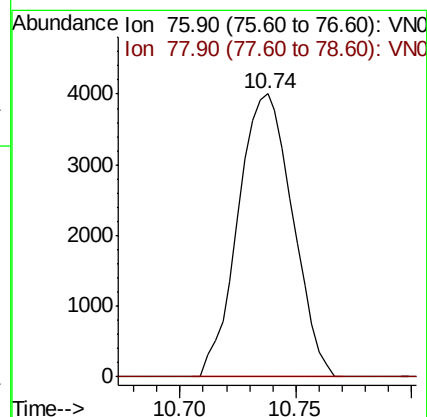
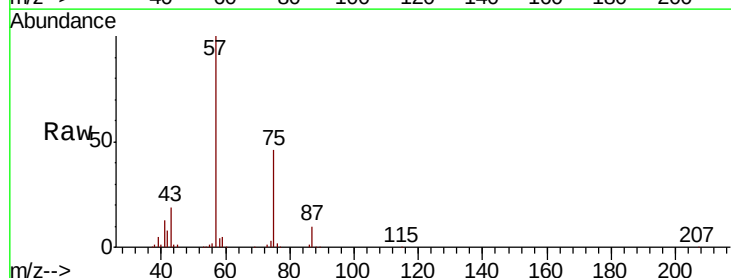
Acq: 21 May 2020 16:14

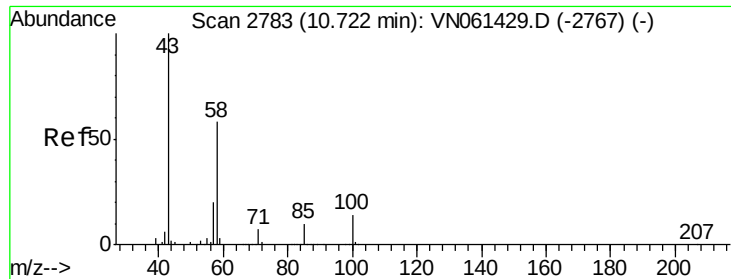
Tgt Ion: 76 Resp: 6527

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

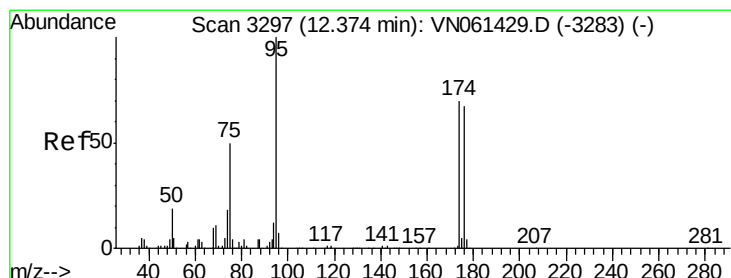
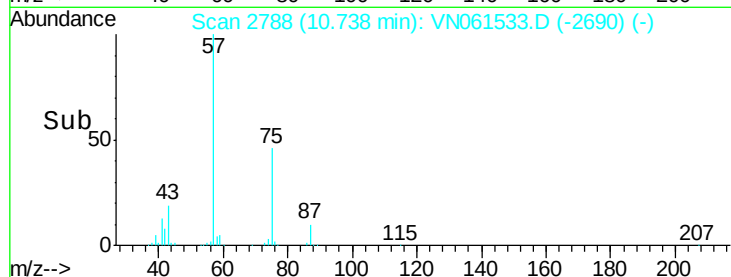
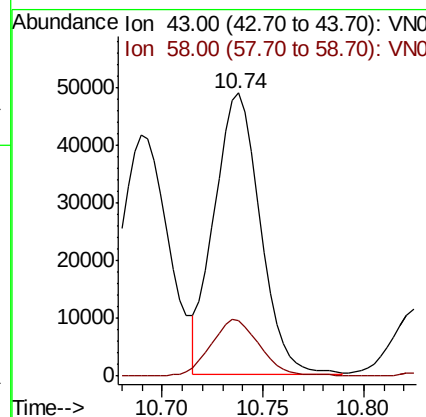
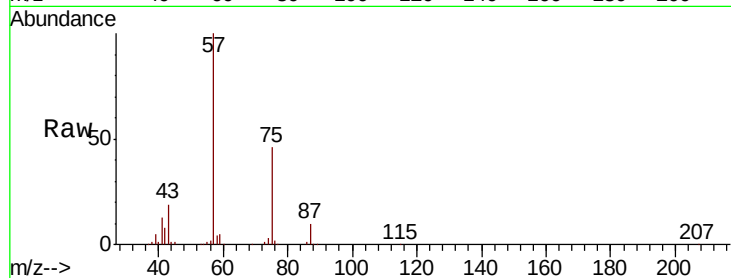




#59
2-Hexanone
Concen: 25.431 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

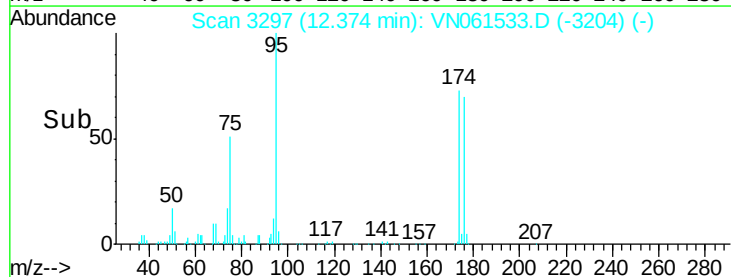
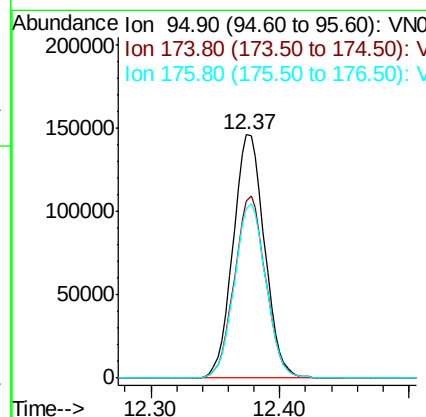
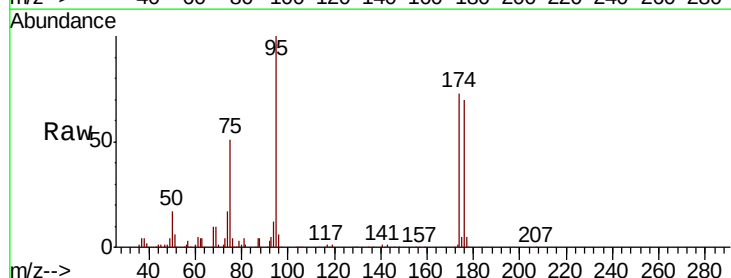
Instrument :
MSVOA_N
ClientSampled :

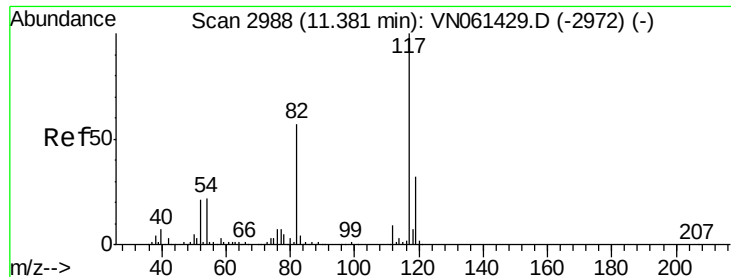
Tot Ion: 43 Resp: 77044
Ion Ratio Lower Upper
43 100
58 21.4 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 52.385 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

Tgt Ion: 95 Resp: 247161
Ion Ratio Lower Upper
95 100
174 74.2 0.0 141.2
176 72.1 0.0 137.6

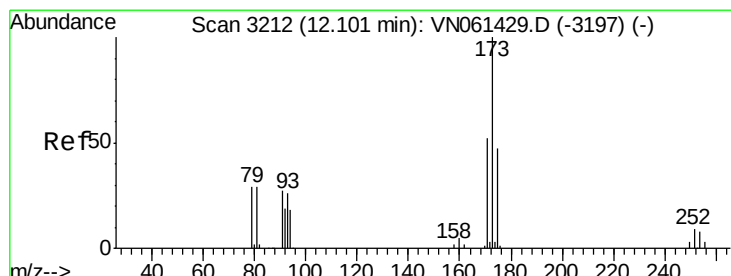
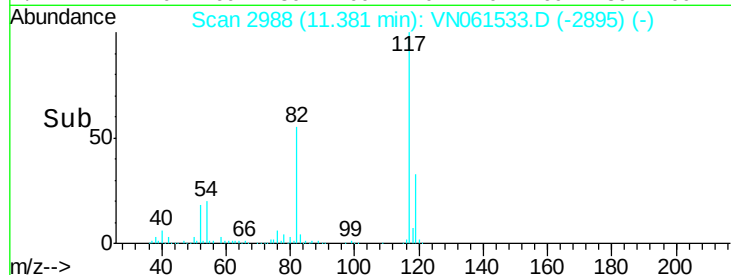
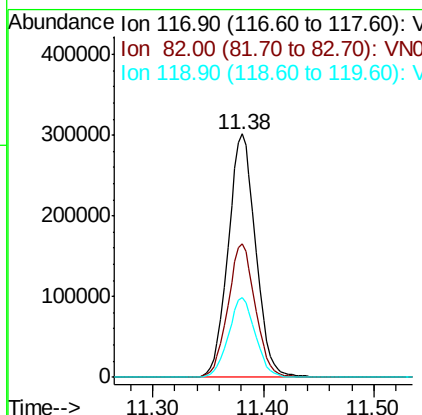
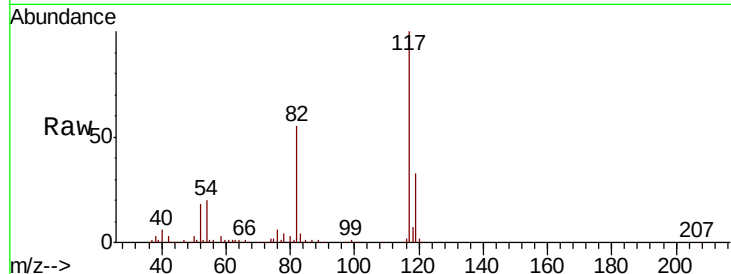




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

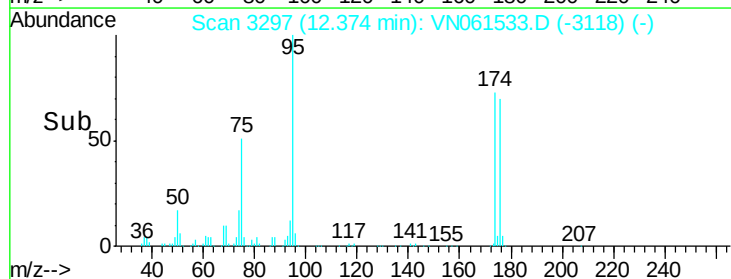
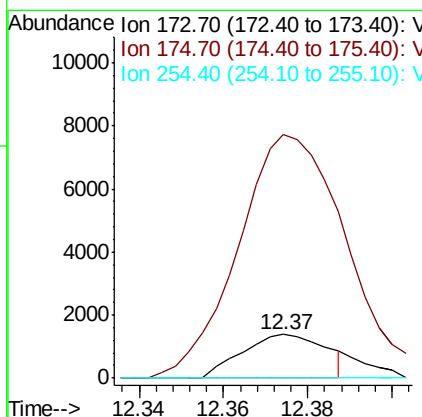
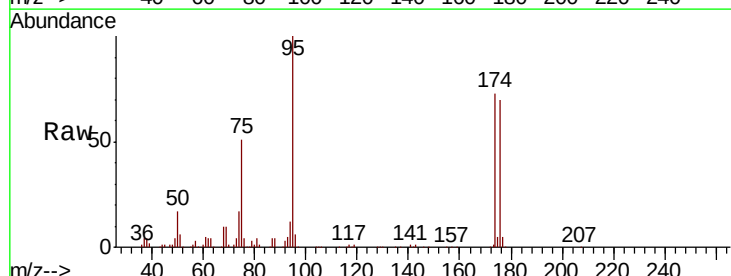
Instrument :
MSVOA_N
ClientSampleId :

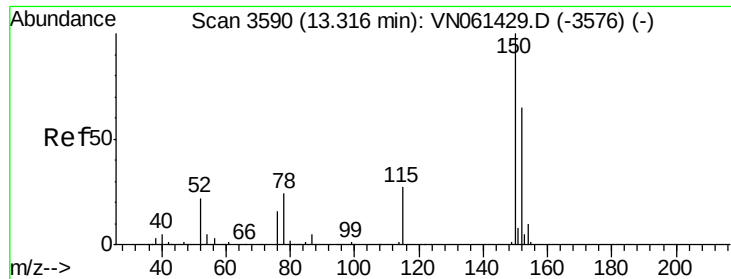
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.2	67.8
119	32.6	25.3	37.9



#71
Bromoform
Concen: 2.635 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061533.D
Acq: 21 May 2020 16:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	614.1	23.9	71.8#
254	0.0	0.0	0.0

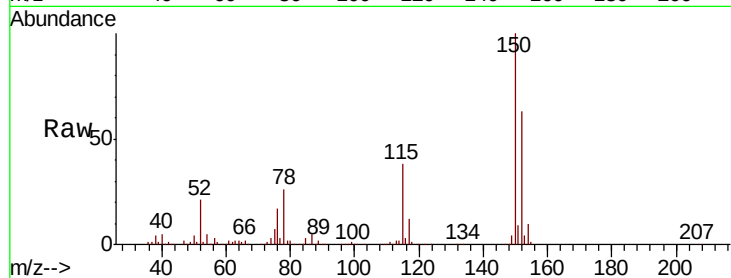




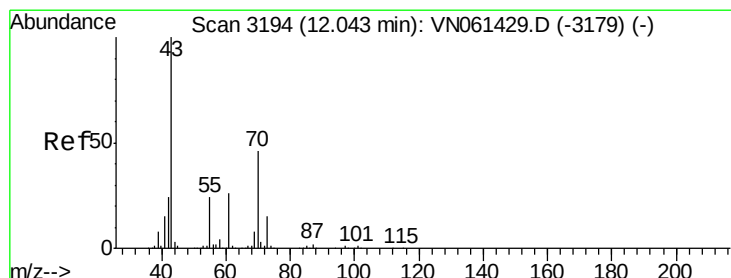
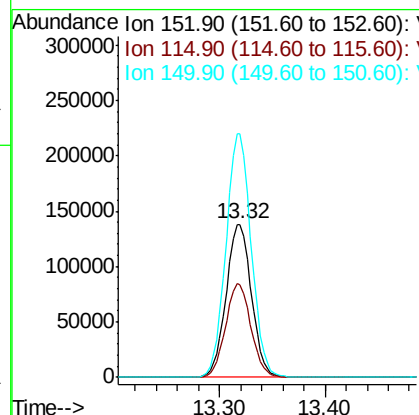
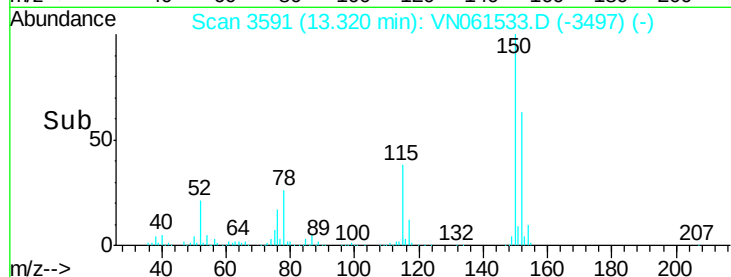
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN061533.D
 Acq: 21 May 2020 16:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:152 Resp: 229825
 Ion Ratio Lower Upper
 152 100
 115 61.3 30.9 92.5
 150 158.4 0.0 349.2

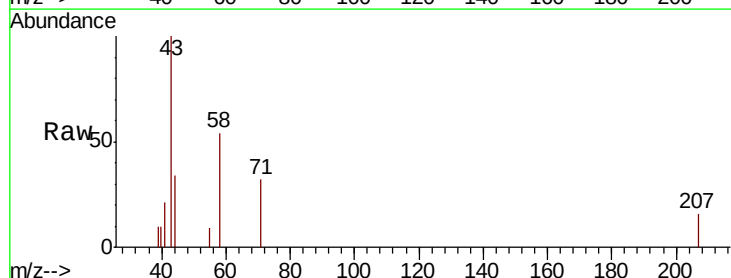


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

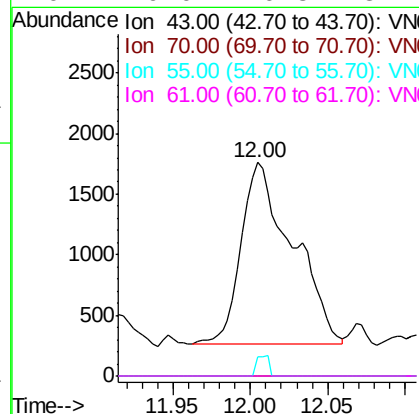
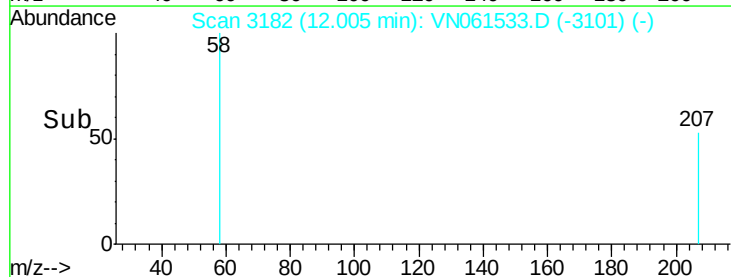


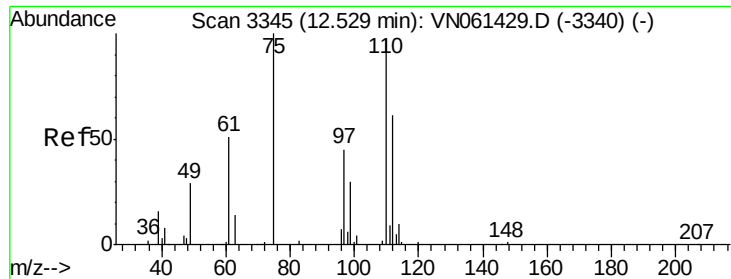
#74
 N-ethyl acetate
 Concen: 0.516 ug/l
 RT: 12.00 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: VN061533.D
 Acq: 21 May 2020 16:14

Tgt Ion: 43 Resp: 3488
 Ion Ratio Lower Upper
 43 100
 70 0.0 37.0 55.4#
 55 2.6 19.5 29.3#
 61 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 70.00 (69.70 to 70.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 61.00 (60.70 to 61.70): VN





#76

1,2,3-Trichloropropane

Concen: 25.195 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

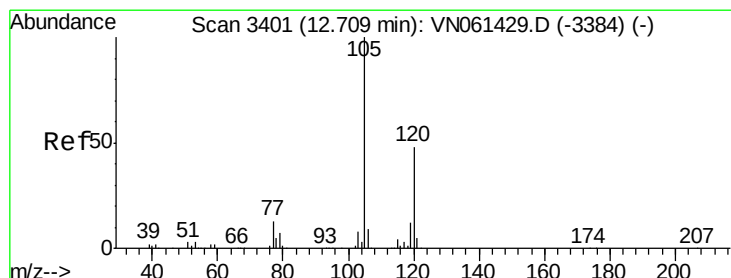
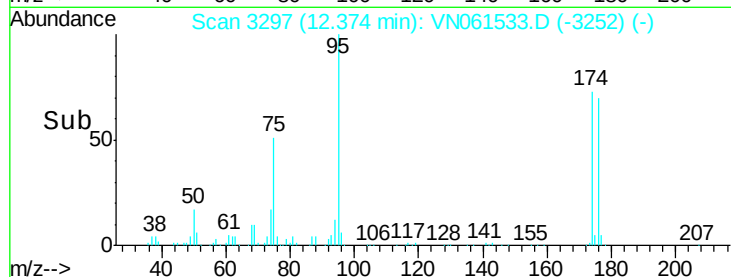
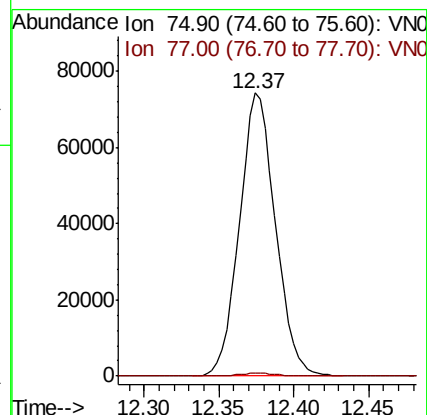
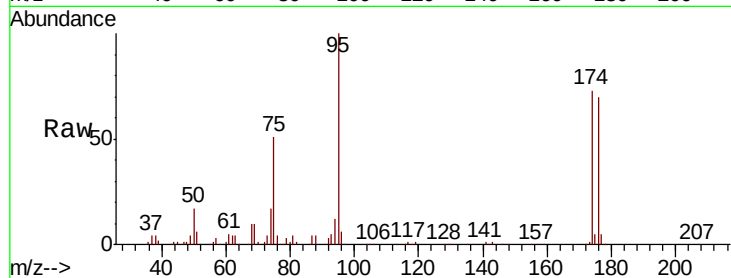
ClientSampled :

Tot Ion: 75 Resp: 124250

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.290 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061533.D

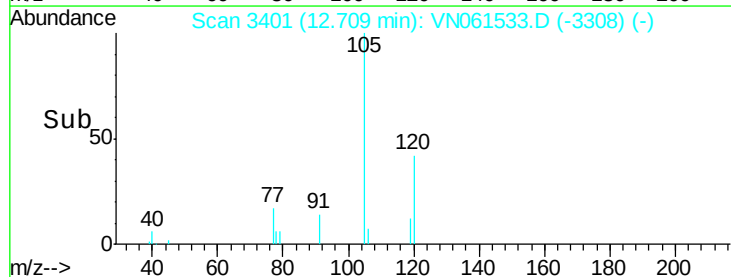
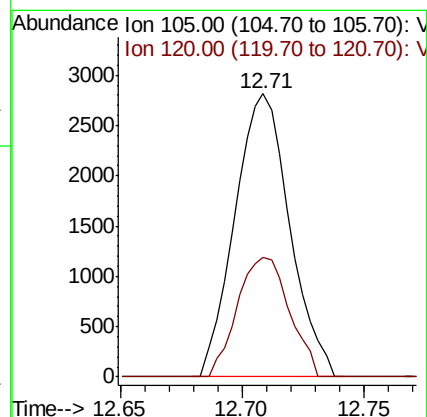
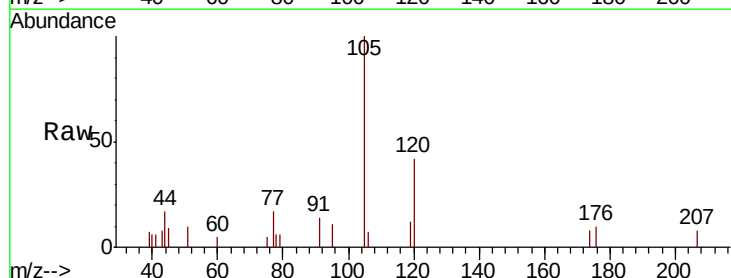
Acq: 21 May 2020 16:14

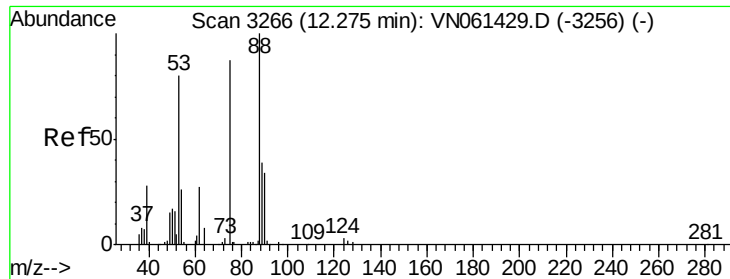
Tgt Ion: 105 Resp: 4382

Ion Ratio Lower Upper

105 100

120 40.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 66.838 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061533.D

Acq: 21 May 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

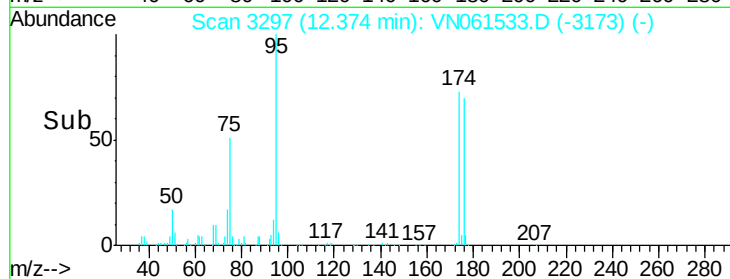
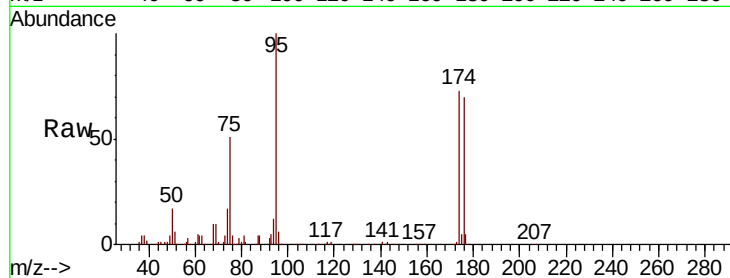
Tot Ion: 75 Resp: 124250

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

