

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
 Data File : VN061528.D
 Acq On : 21 May 2020 14:17
 Operator : JC/MD
 Sample : PB129027ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 07:15:14 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

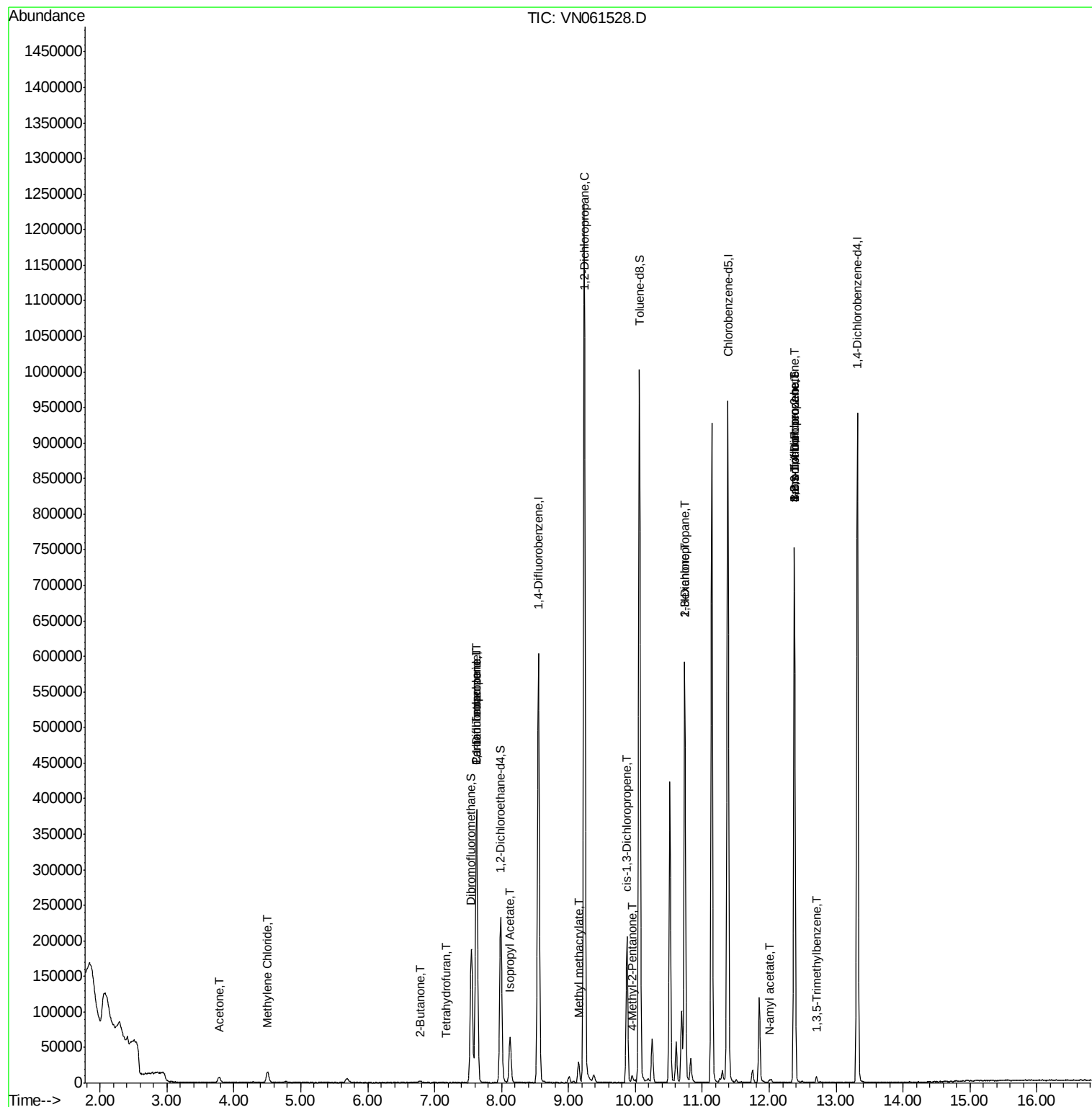
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	307347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	566508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	572577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	253524	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	200840	43.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.56%	
35) Dibromofluoromethane	7.55	113	147911	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
50) Toluene-d8	10.06	98	704501	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.37	95	270261	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.54	94	171	Below Cal	#	47
16) Acetone	3.78	43	14029	0.538	ug/l	92
17) Carbon Disulfide	4.01	76	371	Below Cal	#	75
18) Methyl Acetate	4.27	43	838	Below Cal	#	81
20) Methylene Chloride	4.51	84	11458	3.039	ug/l	93
25) 2-Butanone	6.78	43	683	0.327	ug/l #	46
29) Tetrahydrofuran	7.18	42	308	0.223	ug/l #	29
31) Cyclohexane	7.63	56	6204	Below Cal	#	1
36) 1,1-Dichloropropene	7.62	75	24727	4.668	ug/l #	50
38) Carbon Tetrachloride	7.63	117	31966	6.554	ug/l #	16
43) Isopropyl Acetate	8.13	43	73129	8.728	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	1670	0.418	ug/l #	43
48) Methyl methacrylate	9.15	41	3723	0.962	ug/l #	9
49) 1,4-Dioxane	9.24	88	228	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.96	43	6734	1.475	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	40657	5.913	ug/l #	59
57) 1,3-Dichloropropane	10.74	76	6626	0.990	ug/l #	42
59) 2-Hexanone	10.74	43	76021	23.021	ug/l #	50
71) Bromoform	12.38	173	2223	2.676	ug/l #	1
74) N-amyl acetate	12.00	43	2110	0.283	ug/l #	45
76) 1,2,3-Trichloropropane	12.37	75	136604	25.111	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4691	0.281	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	136604	66.614	ug/l #	12

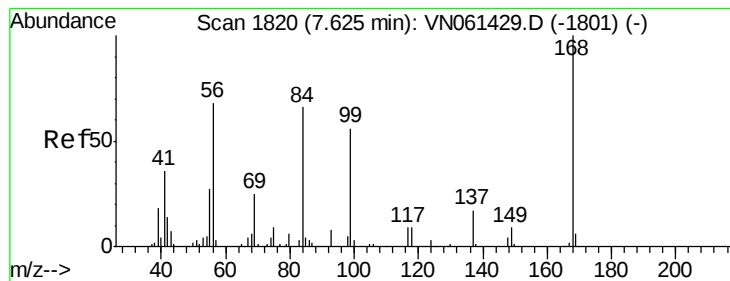
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052120\
Data File : VN061528.D
Acq On : 21 May 2020 14:17
Operator : JC/MD
Sample : PB129027ZHE#02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 22 07:15:14 2020
Quant Method : Z:\V0ASRV\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: VN061528.D

Acq: 21 May 2020 14:17

Instrument :

MSVOA_N

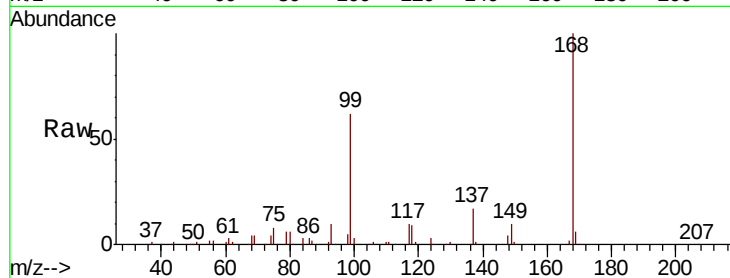
ClientSampled :

Tot Ion:168 Resp: 307347

Ion Ratio Lower Upper

168 100

99 62.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

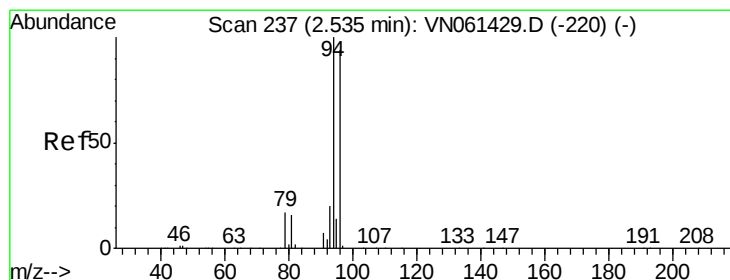
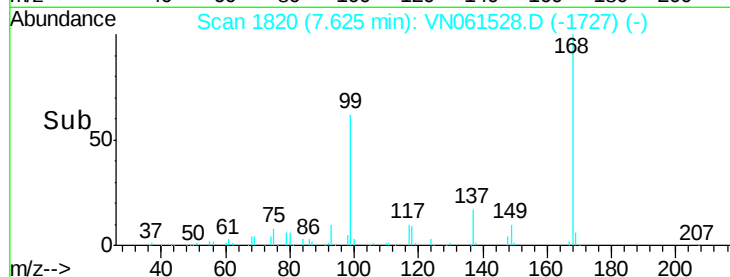
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061528.D

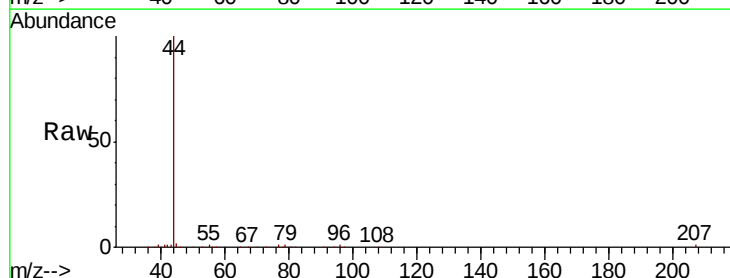
Acq: 21 May 2020 14:17

Tgt Ion: 94 Resp: 171

Ion Ratio Lower Upper

94 100

96 42.6 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

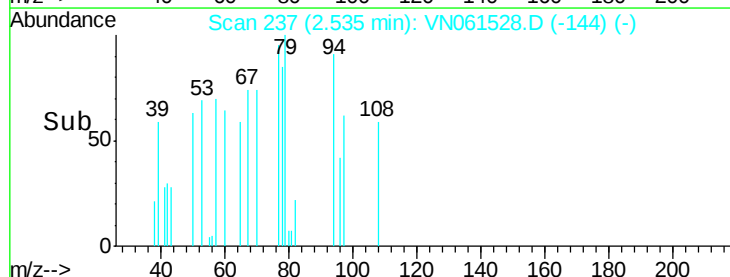
300

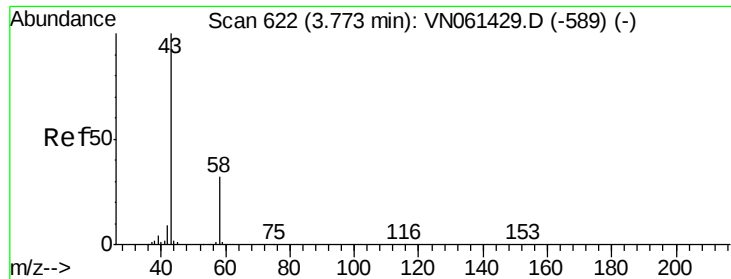
200

100

0

Time--> 2.52 2.53 2.54

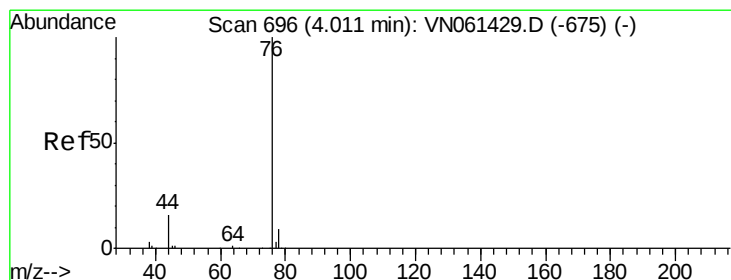
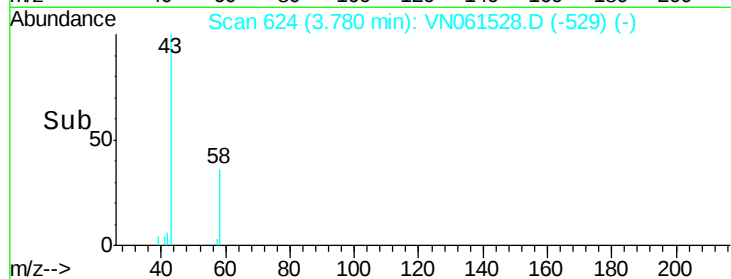
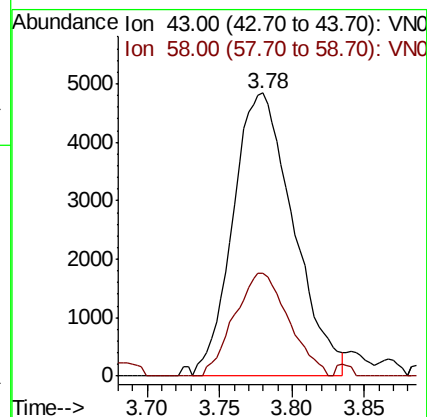
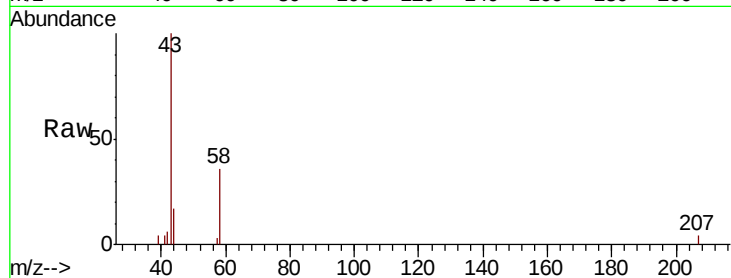




#16
Acetone
Concen: 0.538 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

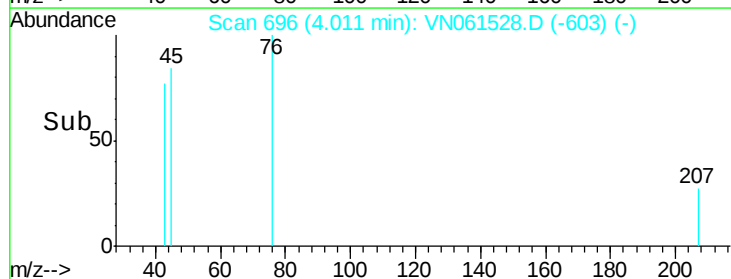
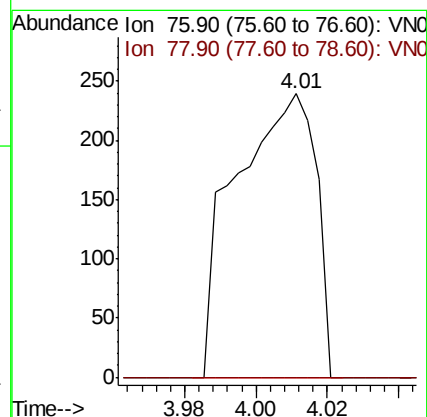
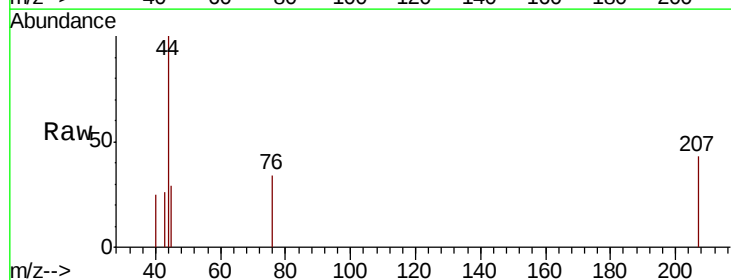
Instrument :
MSVOA_N
ClientSampled :

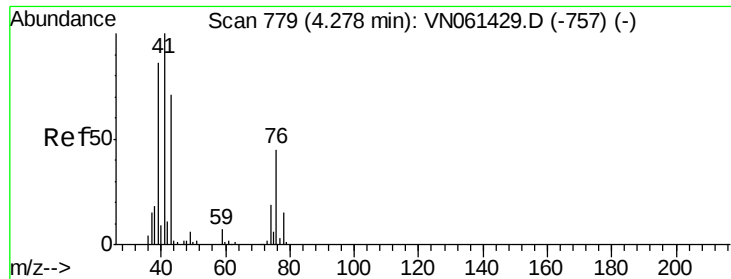
Tot Ion: 43 Resp: 14029
Ion Ratio Lower Upper
43 100
58 36.4 25.6 38.4



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

Tgt Ion: 76 Resp: 371
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

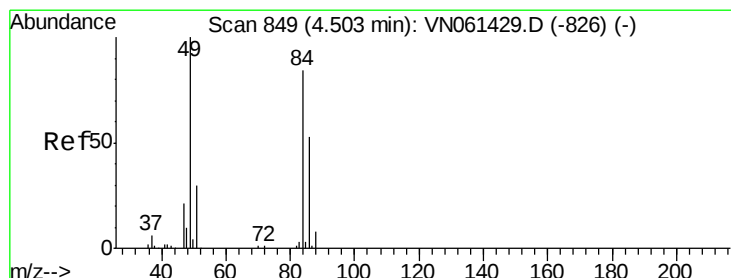
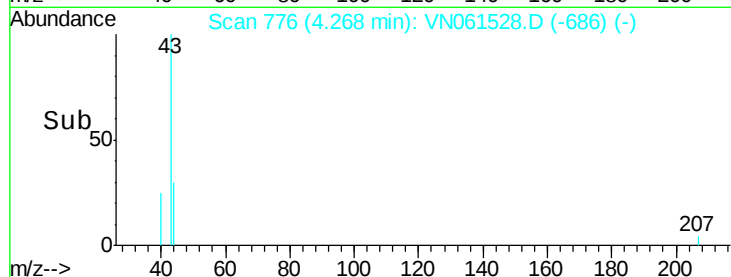
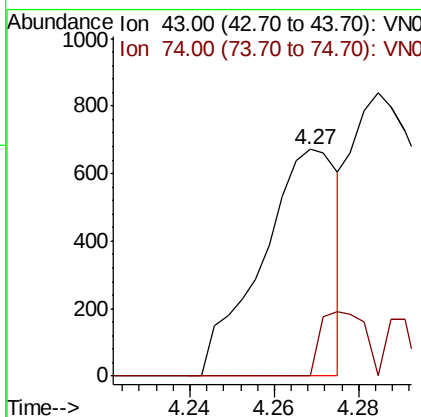
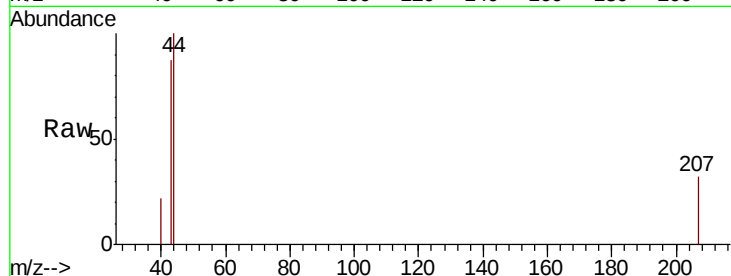




#18
Methyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

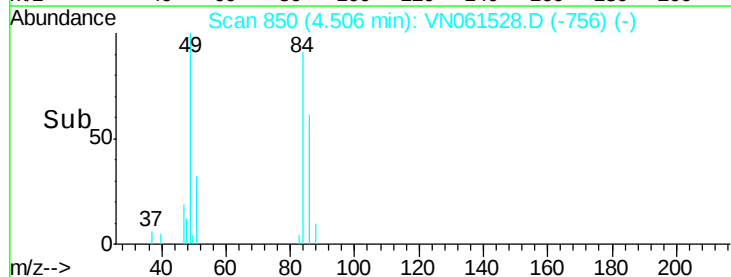
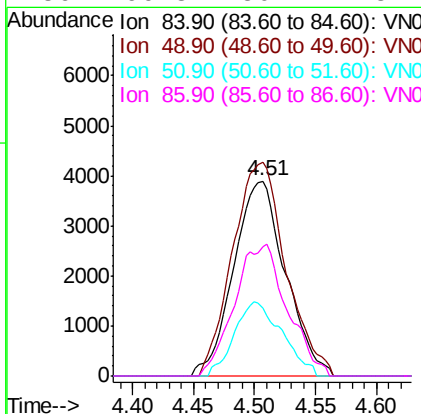
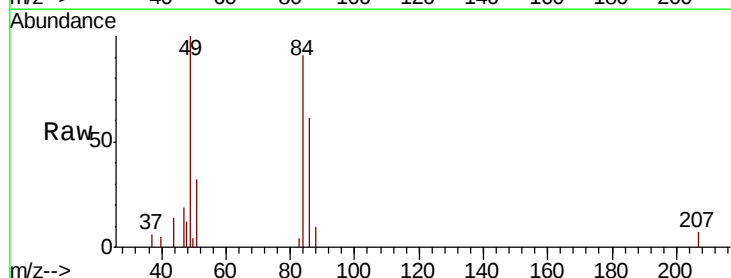
Instrument :
MSVOA_N
ClientSampleId :

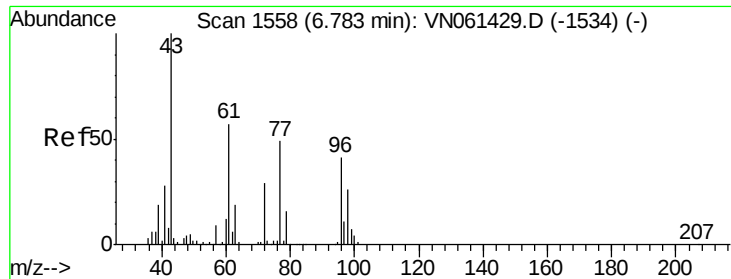
Tot Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
74 16.5 20.8 31.2#



#20
Methylene Chloride
Concen: 3.039 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

Tgt Ion: 84 Resp: 11458
Ion Ratio Lower Upper
84 100
49 109.7 95.3 142.9
51 34.9 29.0 43.6
86 66.8 50.2 75.2





#25

2-Butanone

Concen: 0.327 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

Instrument :

MSVOA_N

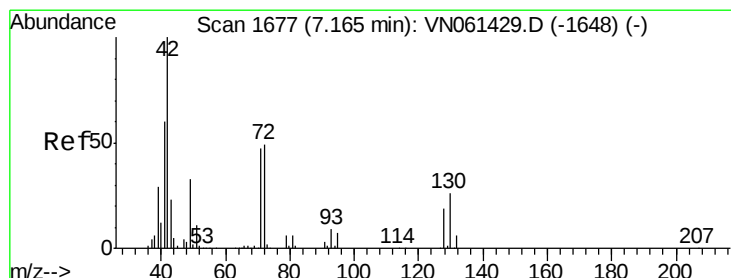
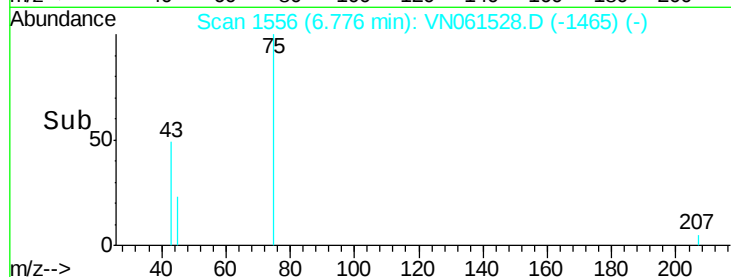
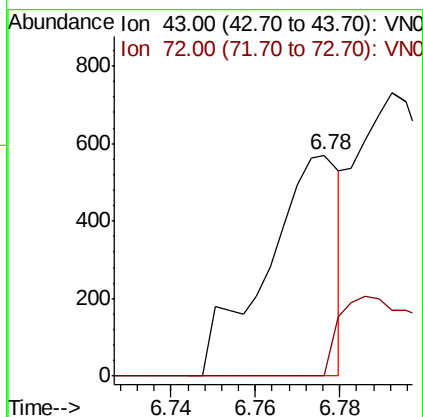
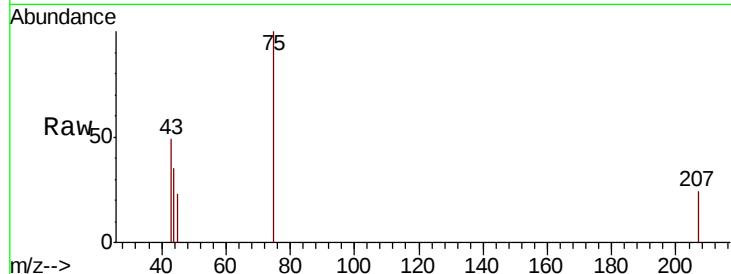
ClientSampled :

Tot Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

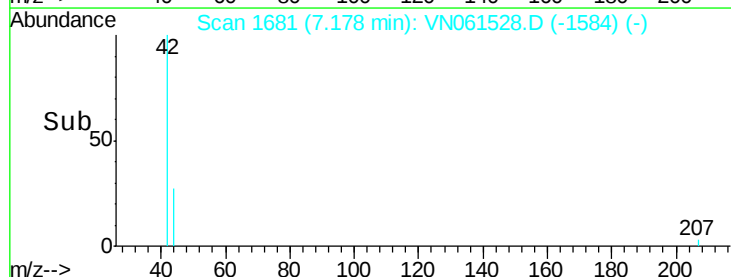
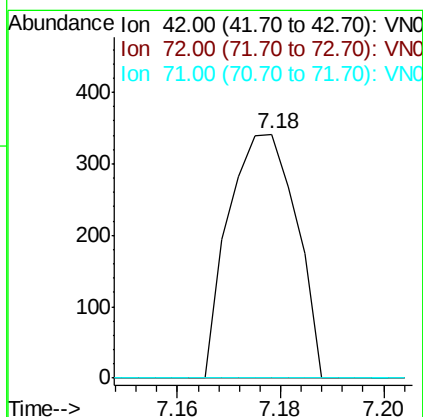
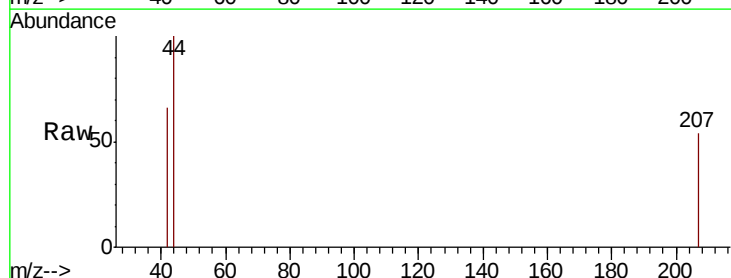
Tgt Ion: 42 Resp: 308

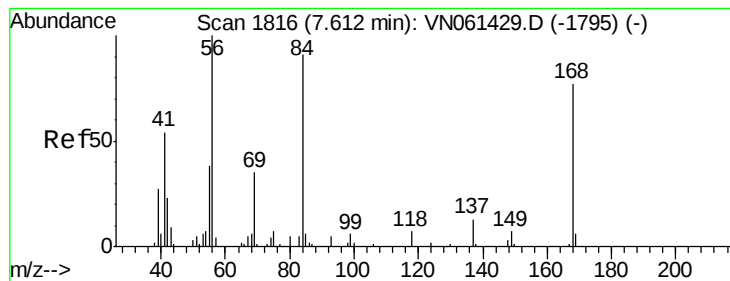
Ion Ratio Lower Upper

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

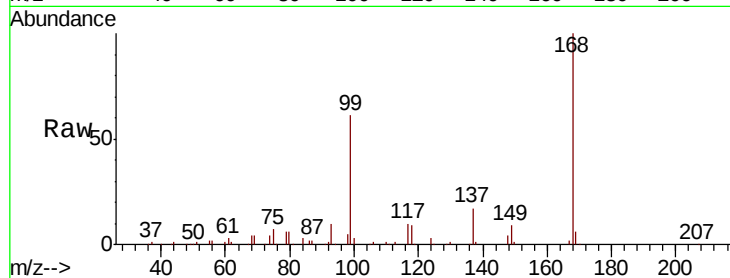
Lab File: VN061528.D

Acq: 21 May 2020 14:17

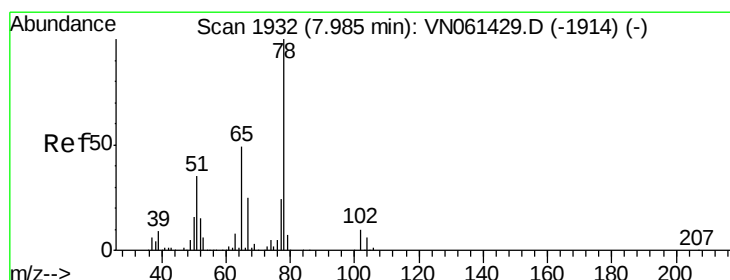
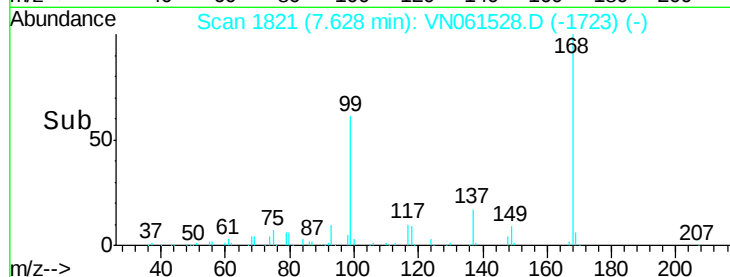
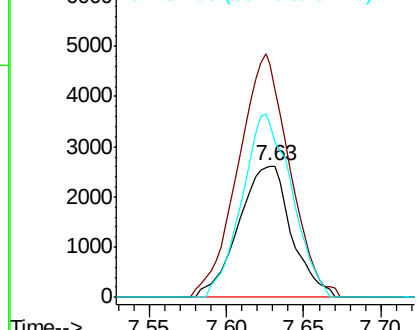
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 6204

Ion	Ratio	Lower	Upper
56	100		
69	177.5	27.8	41.6#
84	131.6	72.7	109.1#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 43.784 ug/l

RT: 7.99 min Scan# 1933

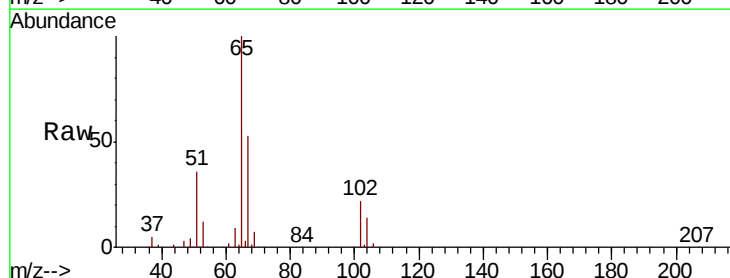
Delta R.T. 0.00 min

Lab File: VN061528.D

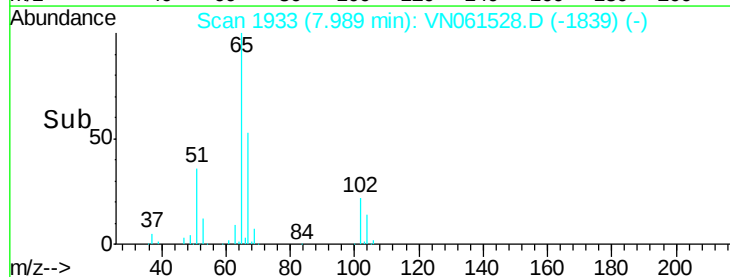
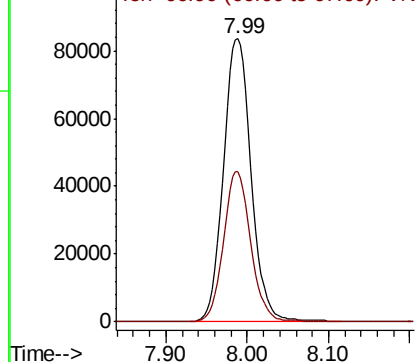
Acq: 21 May 2020 14:17

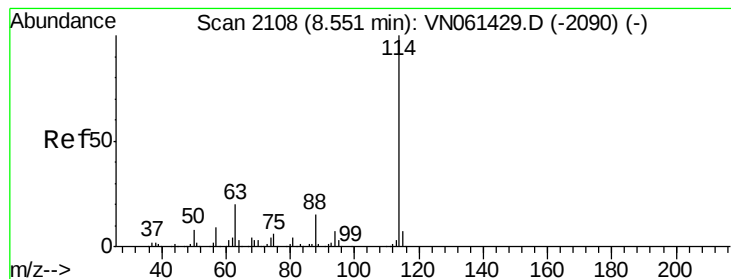
Tgt Ion: 65 Resp: 200840

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

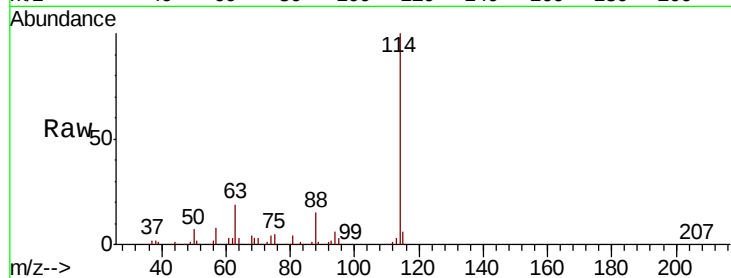
Tot Ion:114 Resp: 566508

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.8

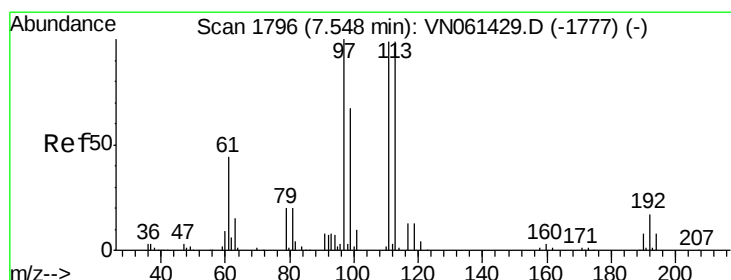
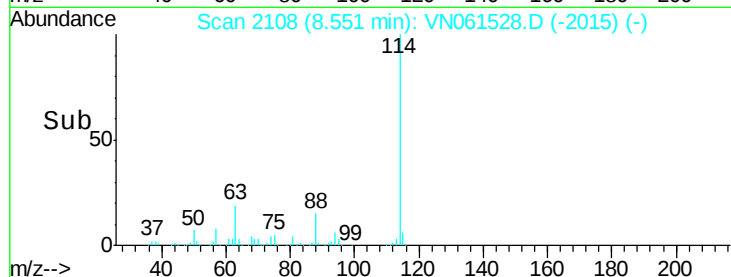
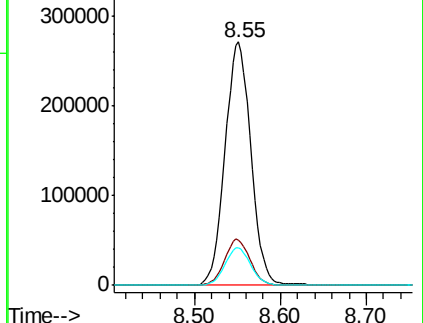
88 15.4 0.0 30.8



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: 49.839 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

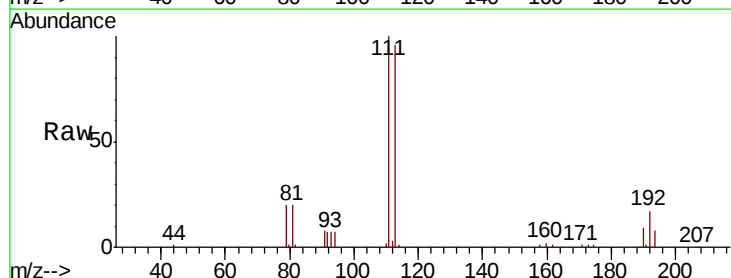
Tgt Ion:113 Resp: 147911

Ion Ratio Lower Upper

113 100

111 102.5 80.6 121.0

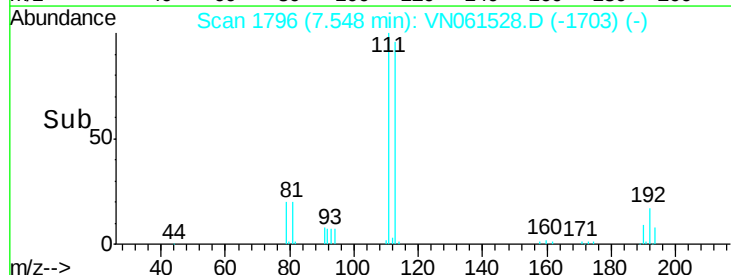
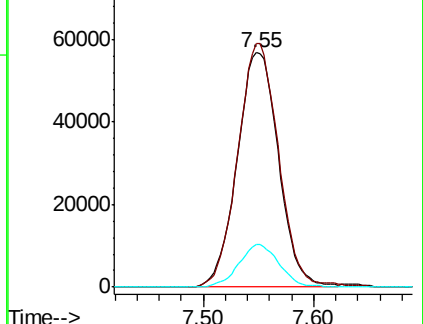
192 17.6 13.2 19.8

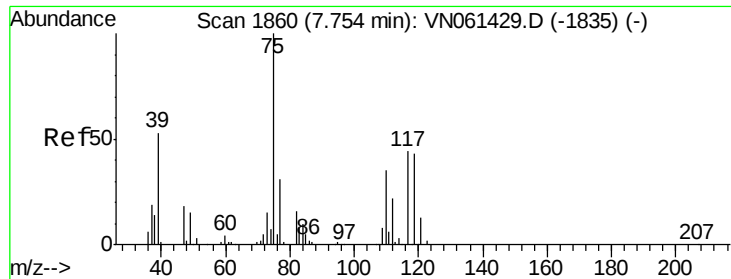


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

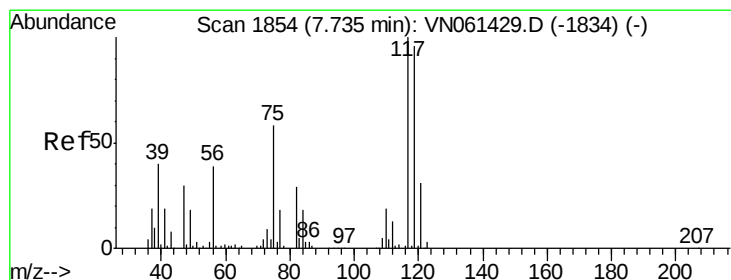
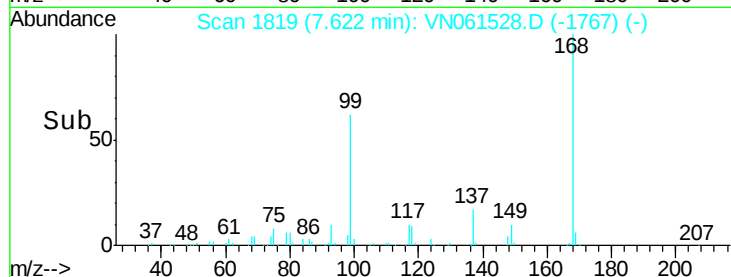
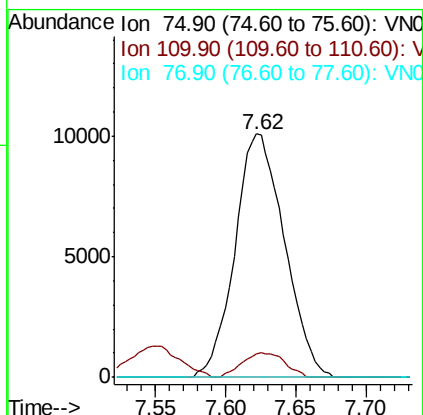
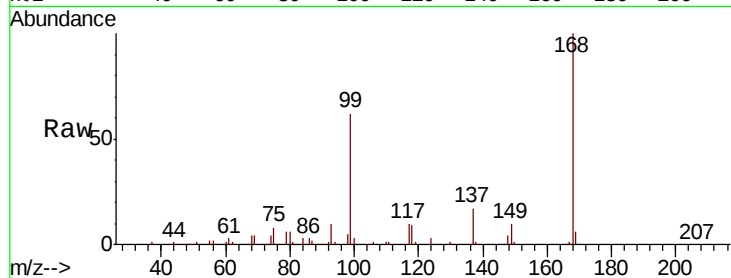




#36
 1,1-Dichloropropene
 Concen: 4.668 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061528.D
 Acq: 21 May 2020 14:17

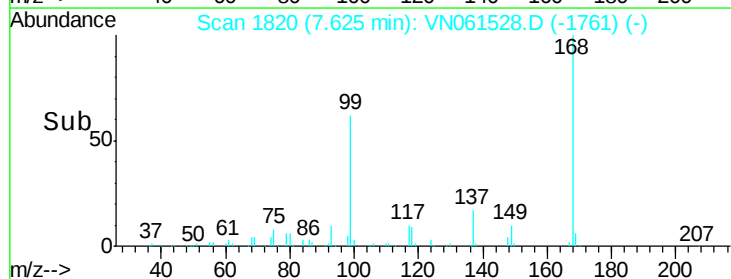
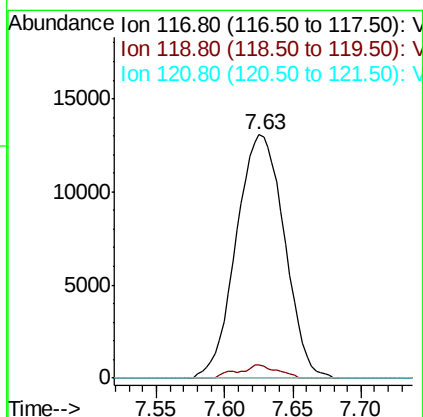
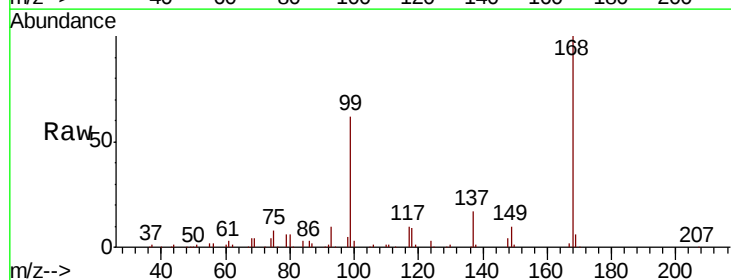
Instrument :
 MSVOA_N
 ClientSampled :

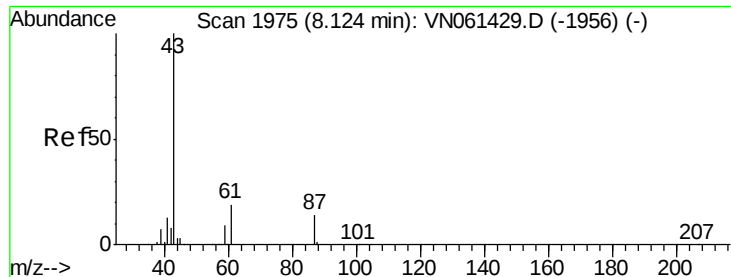
Tot Ion	75	Resp	24727
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	17.3	51.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.554 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061528.D
 Acq: 21 May 2020 14:17

Tgt Ion	117	Resp	31966
Ion Ratio	100	Lower	Upper
117	100		
119	5.5	77.0	115.6#
121	0.0	24.7	37.1#

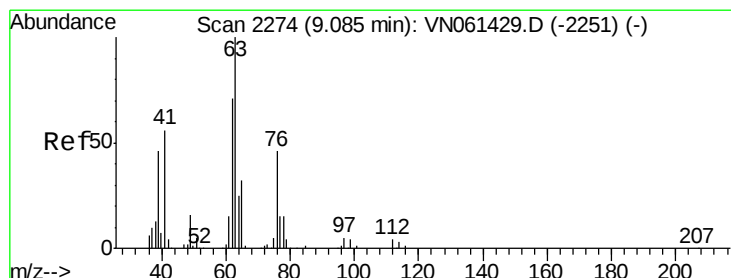
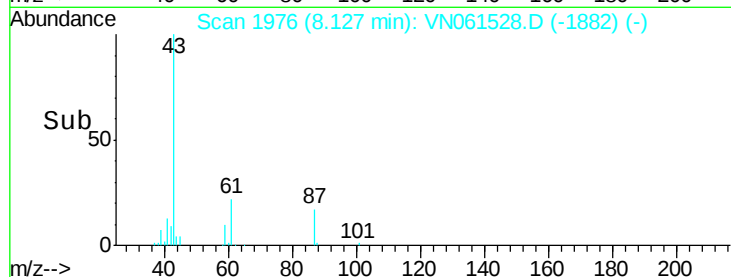
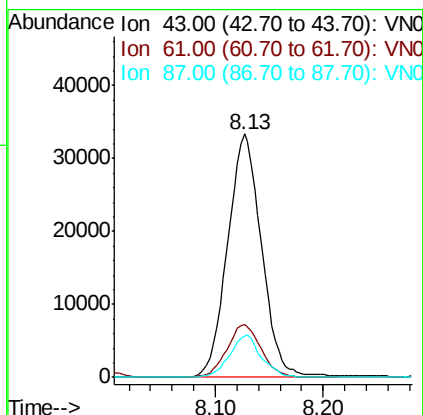
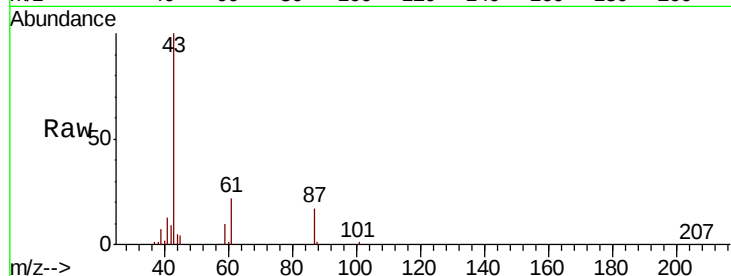




#43
Isopropyl Acetate
Concen: 8.728 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

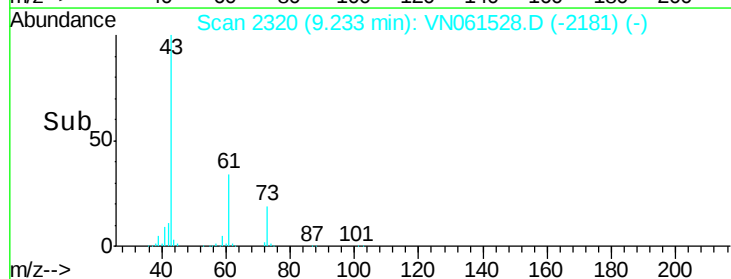
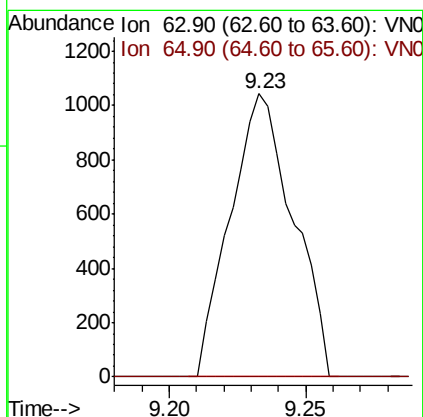
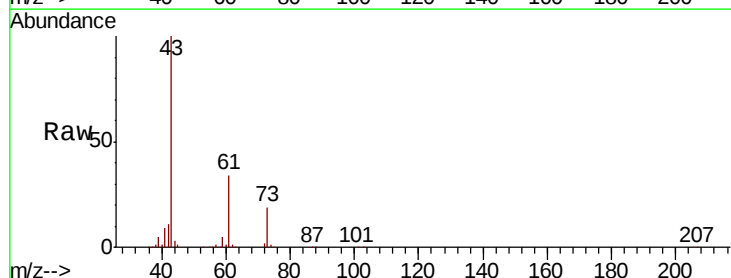
Instrument :
MSVOA_N
ClientSampleId :

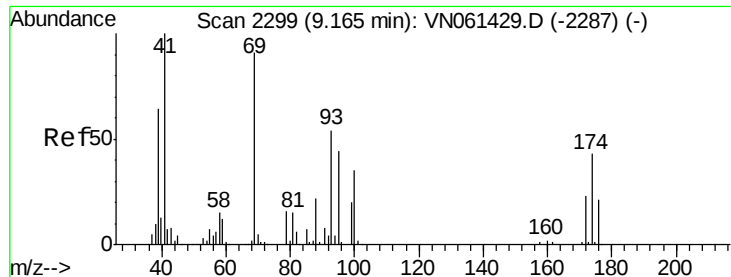
Tot Ion: 43 Resp: 73129
Ion Ratio Lower Upper
43 100
61 21.5 23.0 34.4#
87 16.1 11.6 17.4



#45
1,2-Dichloropropane
Concen: 0.418 ug/l
RT: 9.23 min Scan# 2320
Delta R.T. 0.15 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

Tgt Ion: 63 Resp: 1670
Ion Ratio Lower Upper
63 100
65 0.0 25.2 37.8#

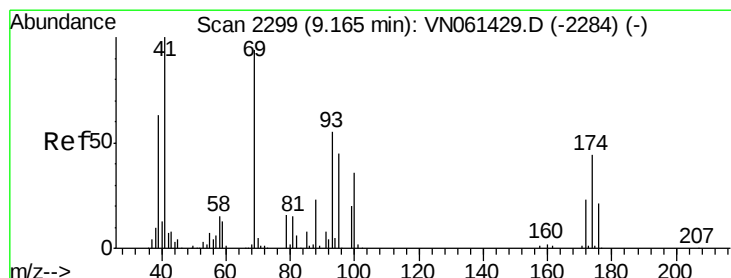
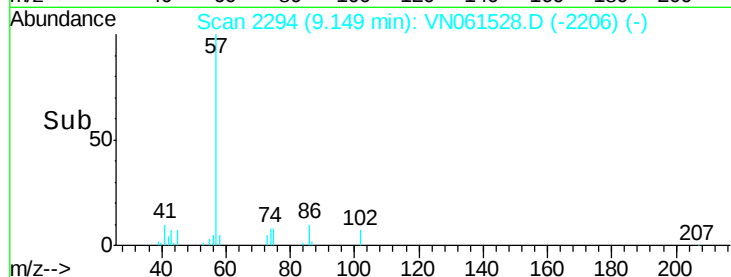
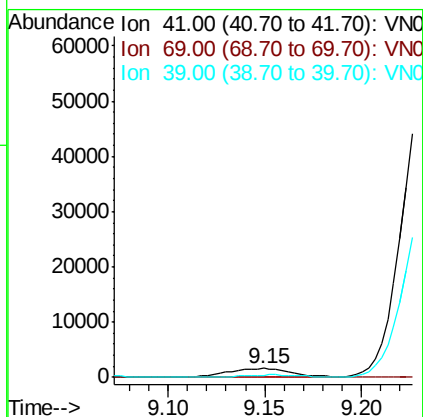
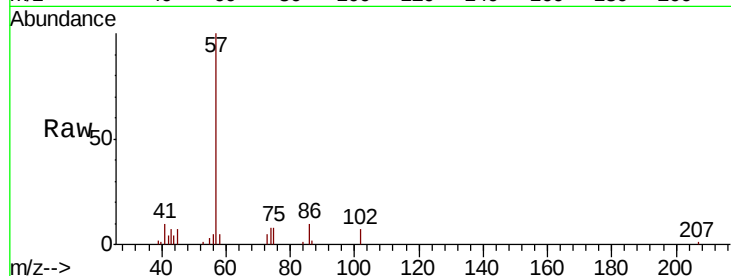




#48
Methvl methacrylate
Concen: 0.962 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

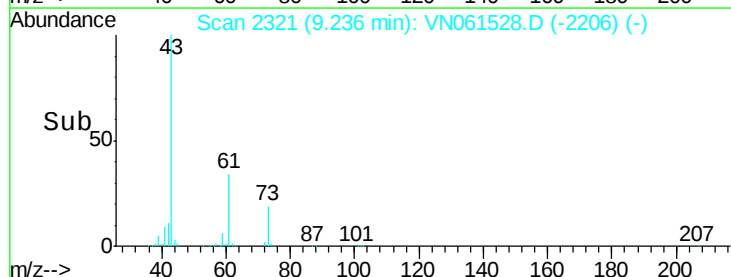
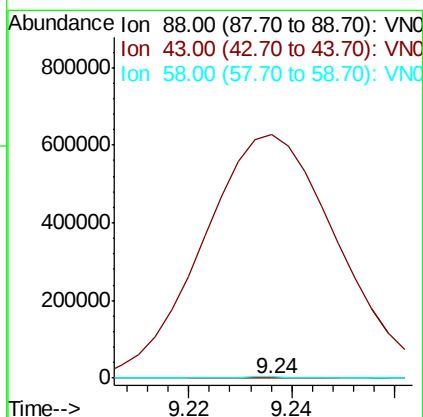
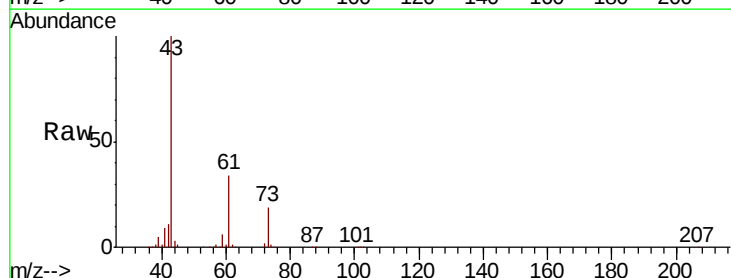
Instrument :
MSVOA_N
ClientSampleId :

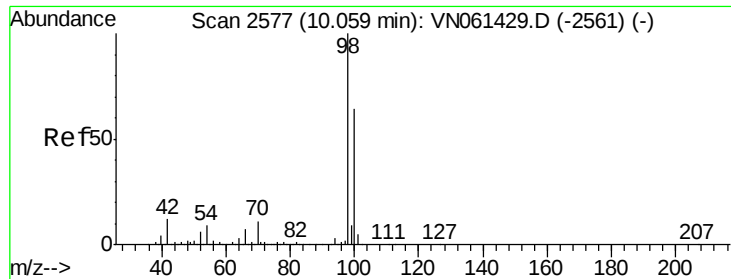
Tot Ion: 41 Resp: 3723
Ion Ratio Lower Upper
41 100
69 0.0 75.3 112.9#
39 0.0 52.6 79.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.24 min Scan# 2321
Delta R.T. 0.07 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

Tgt Ion: 88 Resp: 228
Ion Ratio Lower Upper
88 100
43 510961.4 26.3 39.5#
58 2284.6 54.1 81.1#





#50

Toluene-d8

Concen: 51.180 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

Instrument :

MSVOA_N

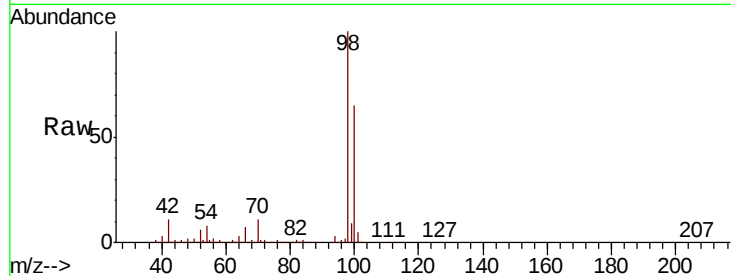
ClientSampled :

Tot Ion: 98 Resp: 704501

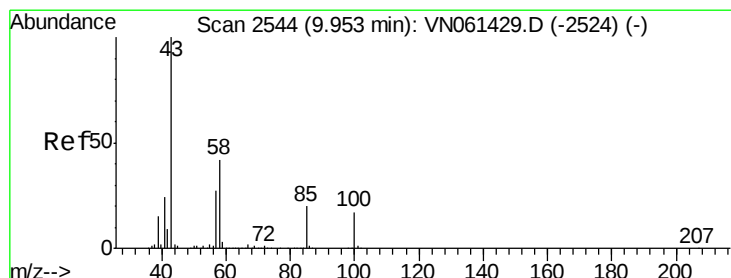
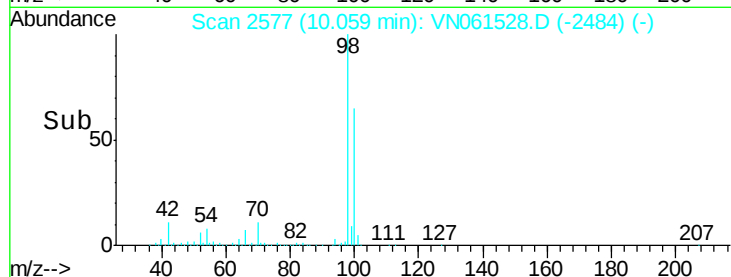
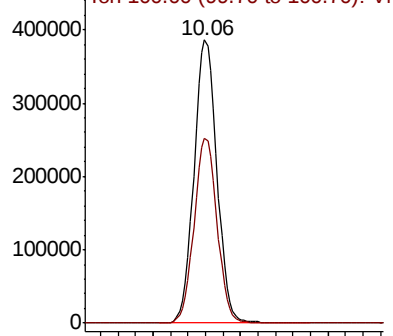
Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN061429.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.475 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061528.D

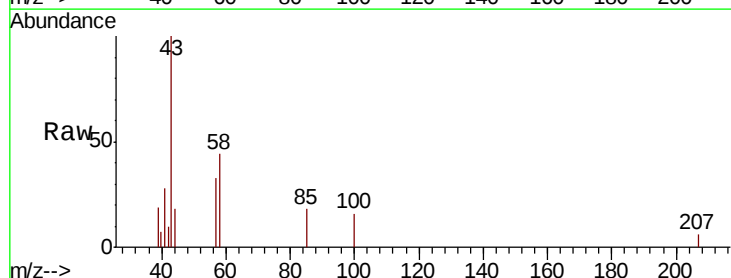
Acq: 21 May 2020 14:17

Tgt Ion: 43 Resp: 6734

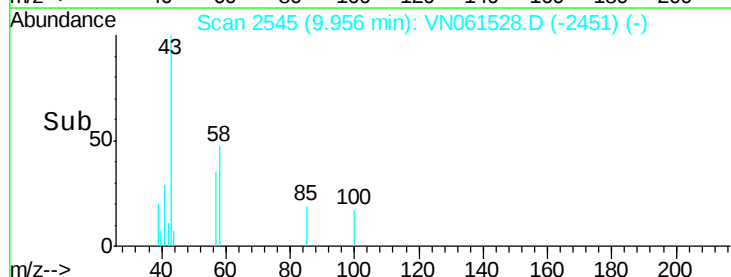
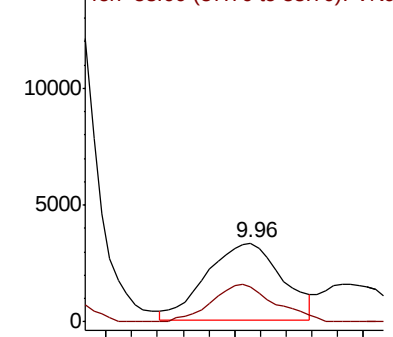
Ion Ratio Lower Upper

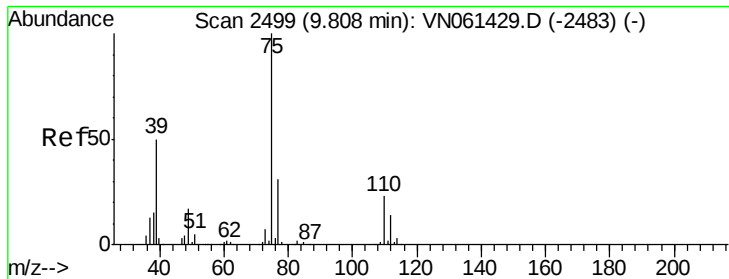
43 100

58 40.9 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)



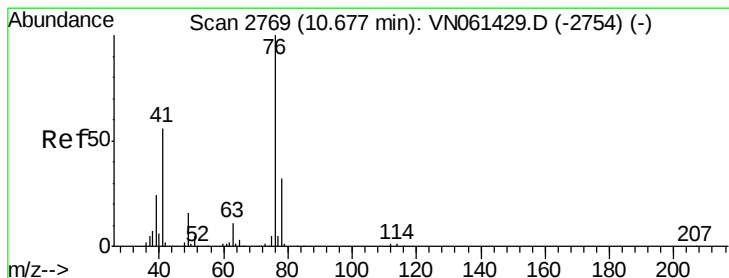
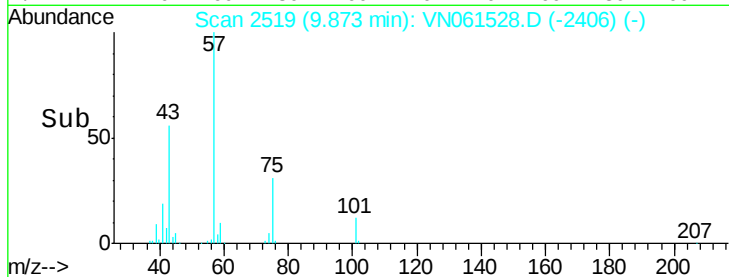
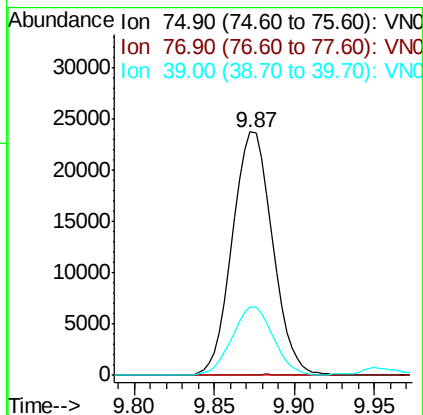
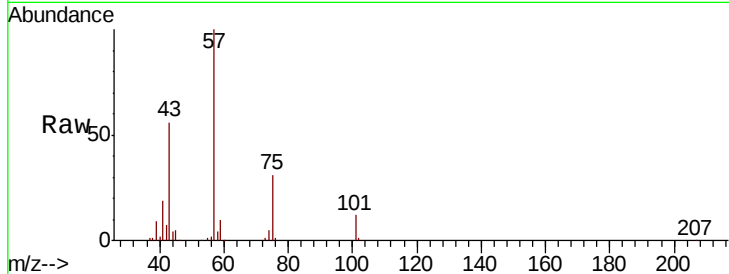


#54

cis-1,3-Dichloropropene
 Concen: 5.913 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061528.D
 Acq: 21 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampled :

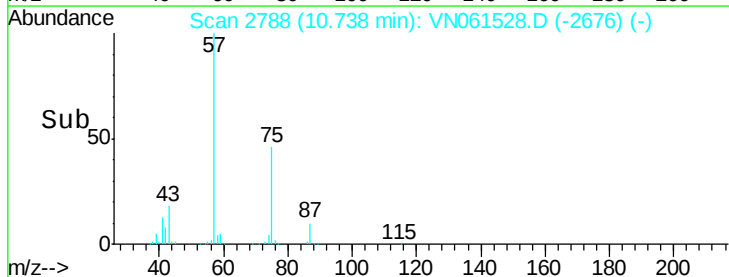
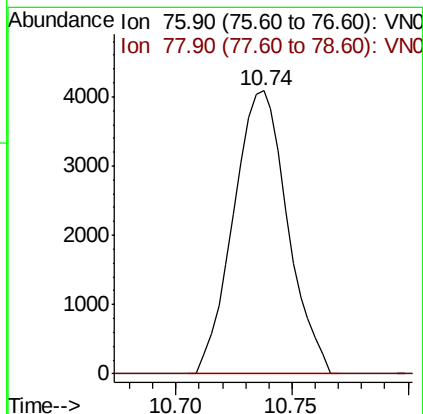
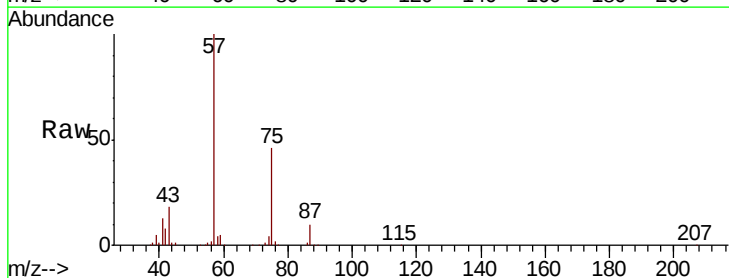
Tot Ion: 75 Resp: 40657
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 27.9 39.8 59.6#

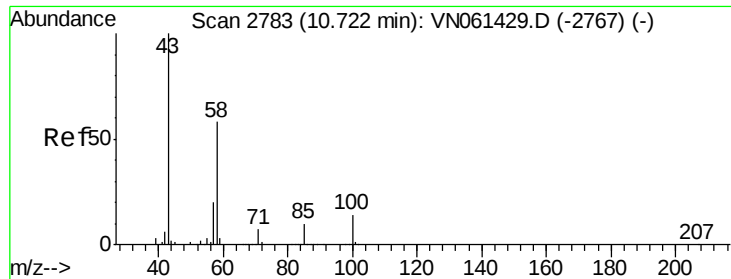


#57

1,3-Dichloropropane
 Concen: 0.990 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN061528.D
 Acq: 21 May 2020 14:17

Tgt Ion: 76 Resp: 6626
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

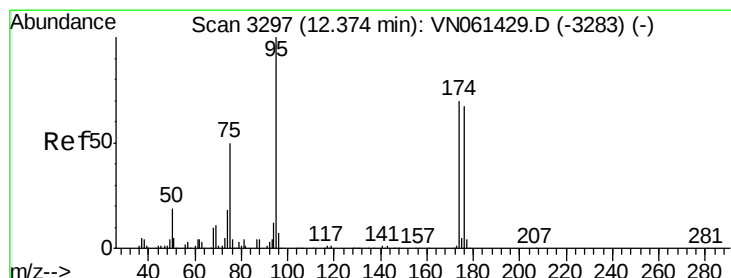
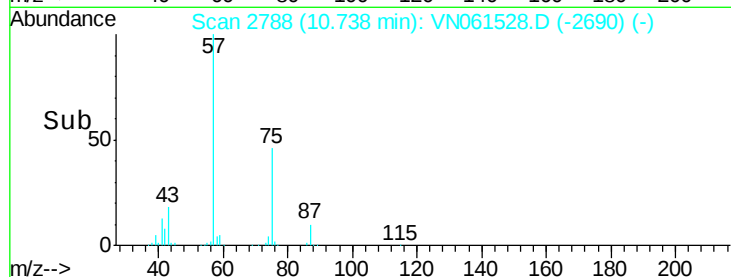
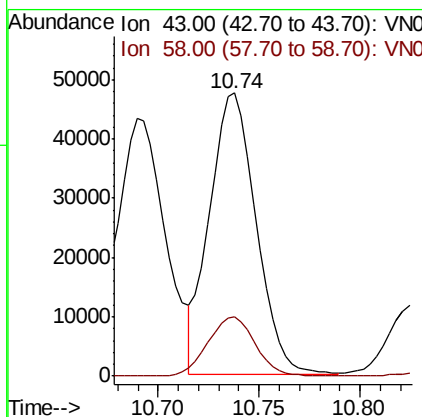
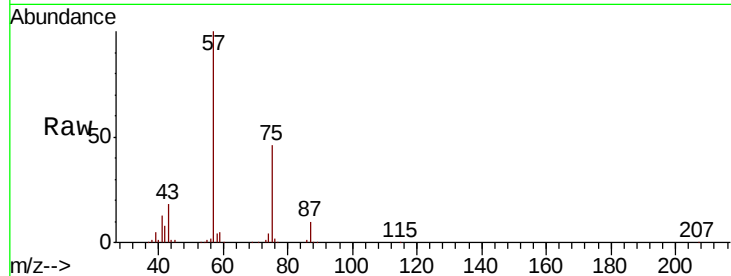




#59
2-Hexanone
Concen: 23.021 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

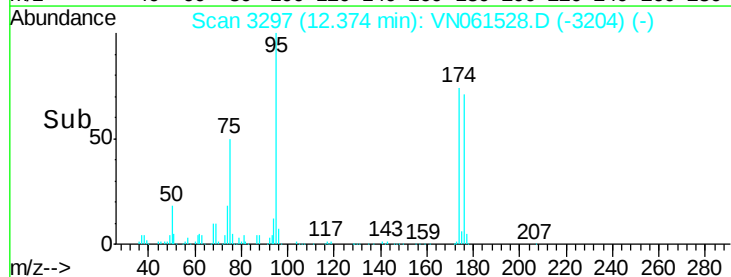
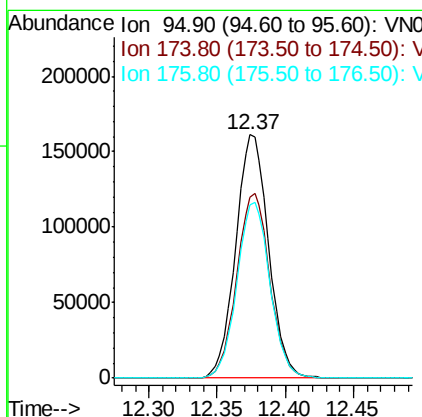
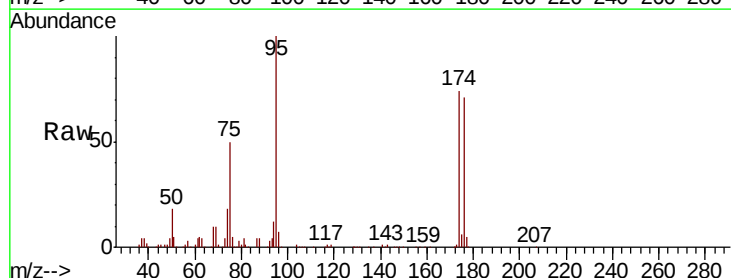
Instrument :
MSVOA_N
ClientSampled :

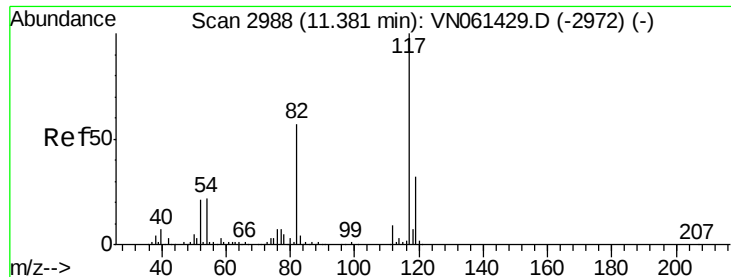
Tot Ion: 43 Resp: 76021
Ion Ratio Lower Upper
43 100
58 21.3 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 52.551 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

Tgt Ion: 95 Resp: 270261
Ion Ratio Lower Upper
95 100
174 76.2 0.0 141.2
176 72.5 0.0 137.6

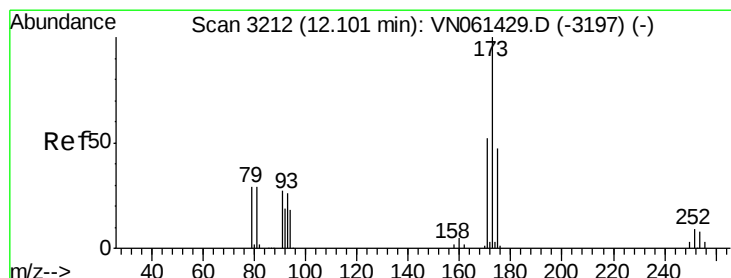
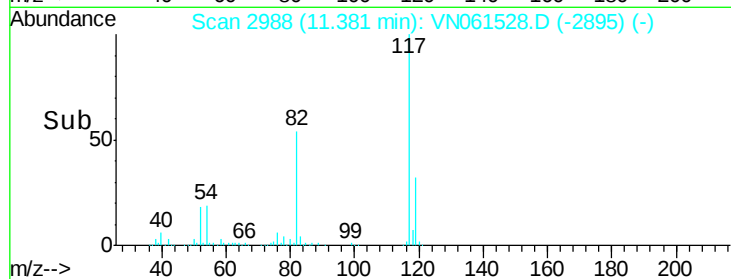
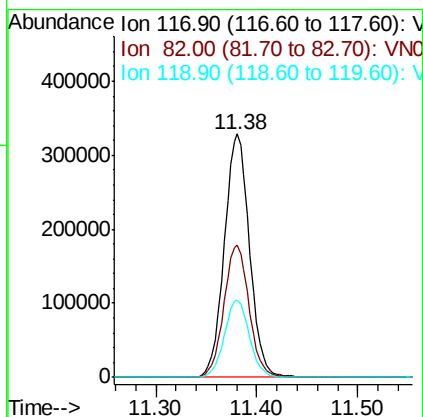
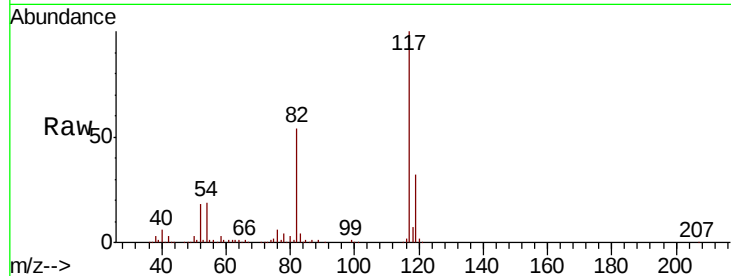




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

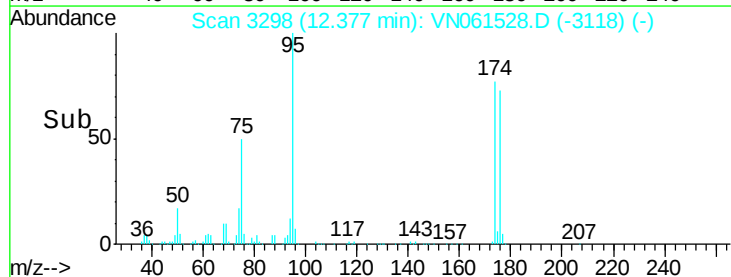
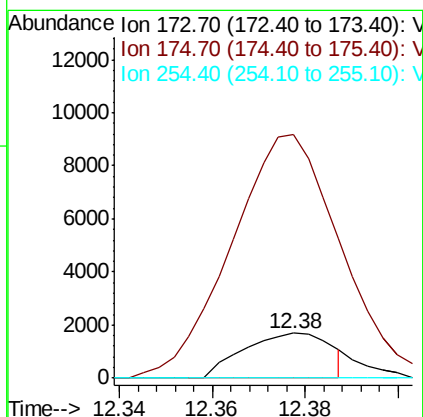
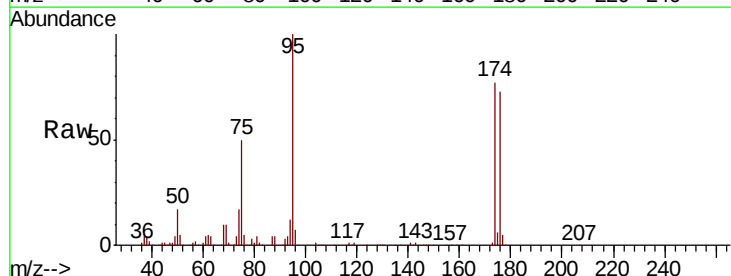
Instrument :
MSVOA_N
ClientSampleId :

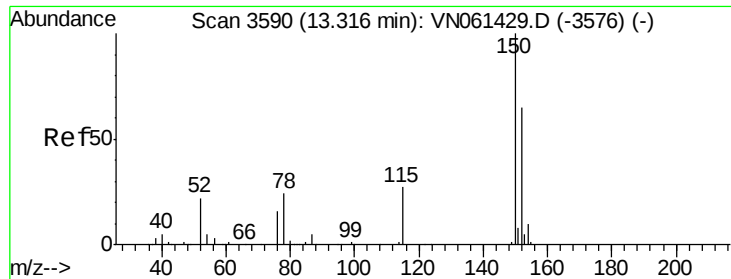
Tot Ion:117 Resp: 572577
Ion Ratio Lower Upper
117 100
82 54.1 45.2 67.8
119 31.8 25.3 37.9



#71
Bromoform
Concen: 2.676 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061528.D
Acq: 21 May 2020 14:17

Tgt Ion:173 Resp: 2223
Ion Ratio Lower Upper
173 100
175 590.7 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# 3590

Delta R.T. -0.00 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

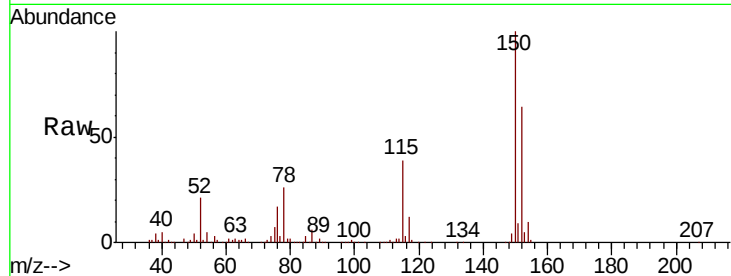
Tot Ion:152 Resp: 253524

Ion Ratio Lower Upper

152 100

115 59.9 30.9 92.5

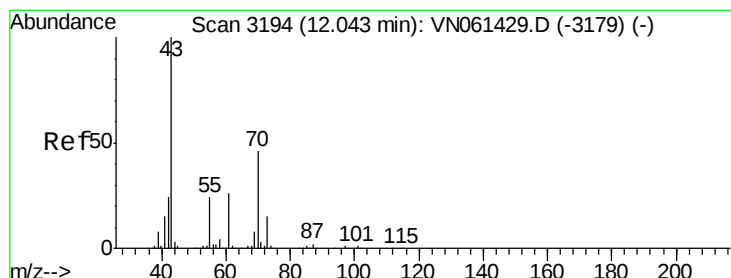
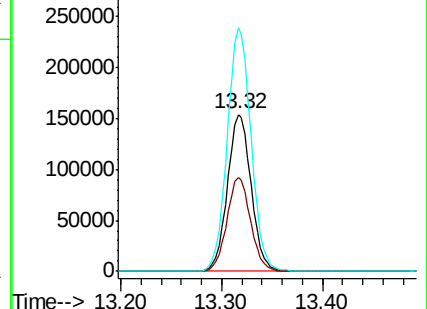
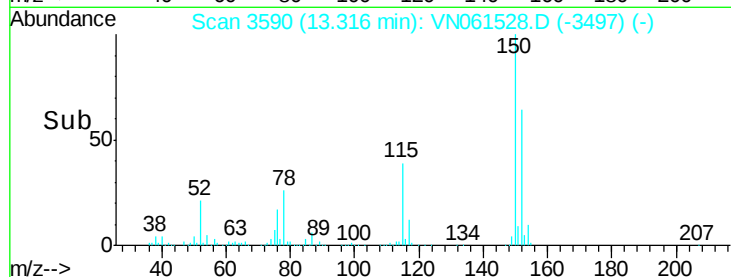
150 156.2 0.0 349.2



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: 0.283 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

Tgt Ion: 43 Resp: 2110

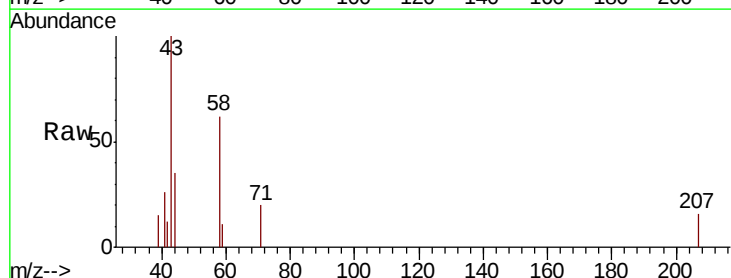
Ion Ratio Lower Upper

43 100

70 0.0 37.0 55.4#

55 9.3 19.5 29.3#

61 0.0 20.8 31.2#

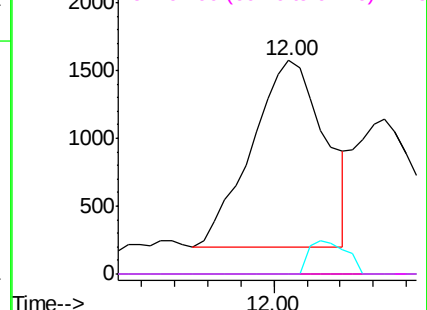
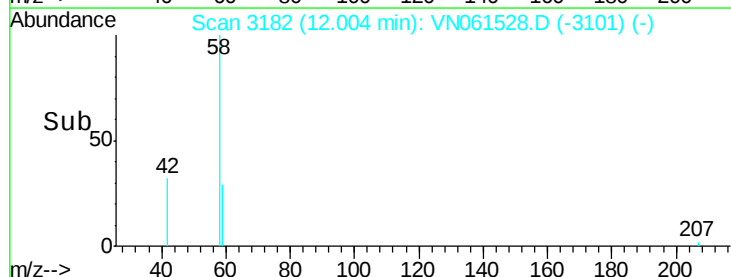


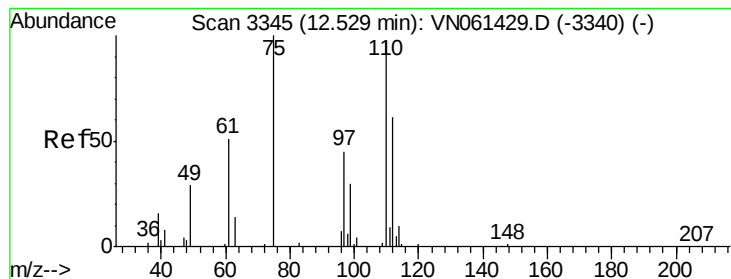
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.111 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

Instrument :

MSVOA_N

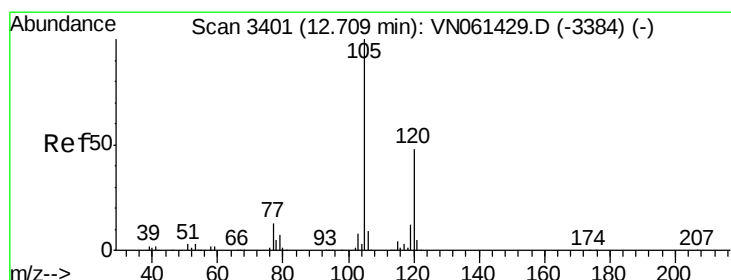
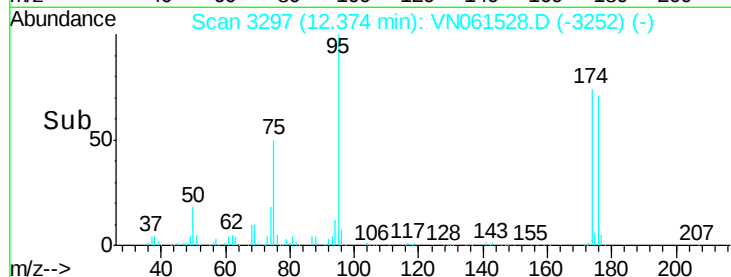
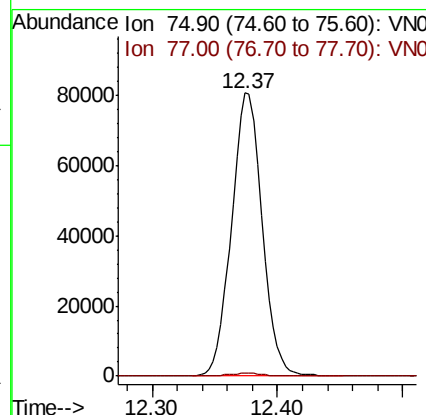
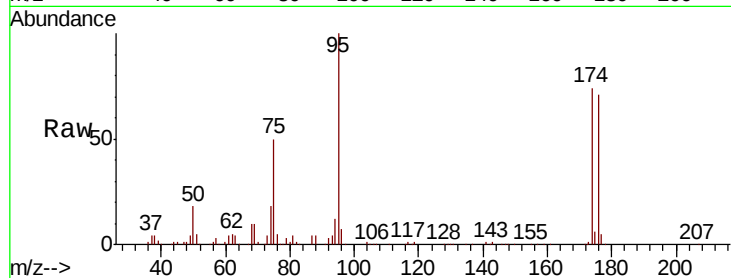
ClientSampled :

Tot Ion: 75 Resp: 136604

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.281 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061528.D

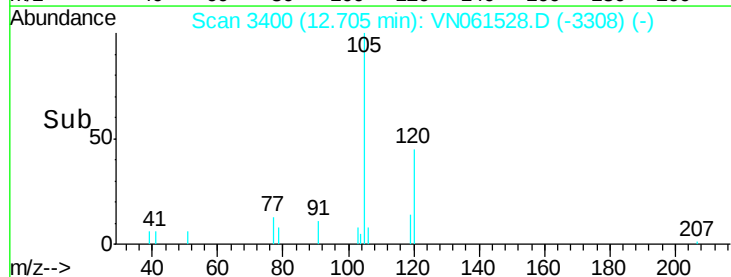
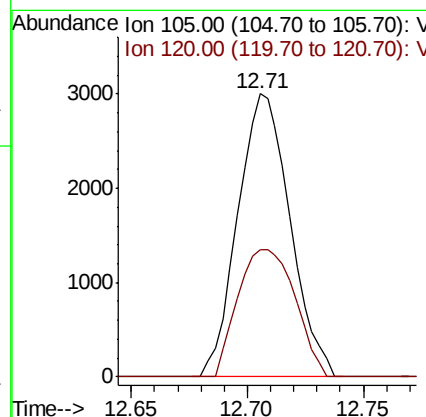
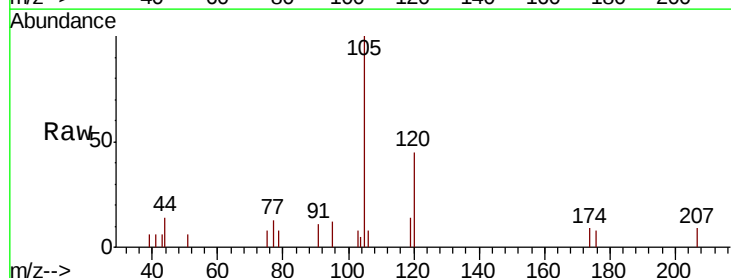
Acq: 21 May 2020 14:17

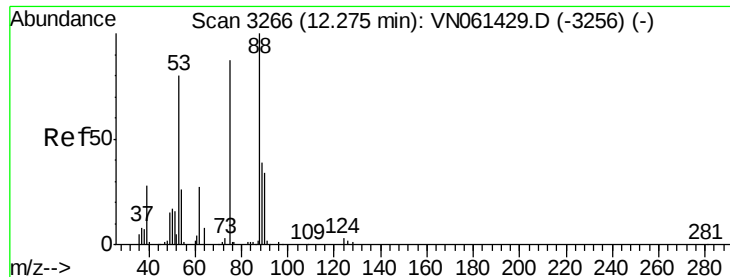
Tgt Ion:105 Resp: 4691

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 66.614 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061528.D

Acq: 21 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 136604

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.0 38.2 57.4#

