

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061573.D
 Acq On : 29 May 2020 17:32
 Operator : JC/MD
 Sample : PB129155ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:44:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	274559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	494977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	506760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225899	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	177961	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
35) Dibromofluoromethane	7.55	113	128760	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.06	98	621754	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.37	95	234843	55.32	ug/l	0.00
Spiked Amount			Recovery	=	110.64%	

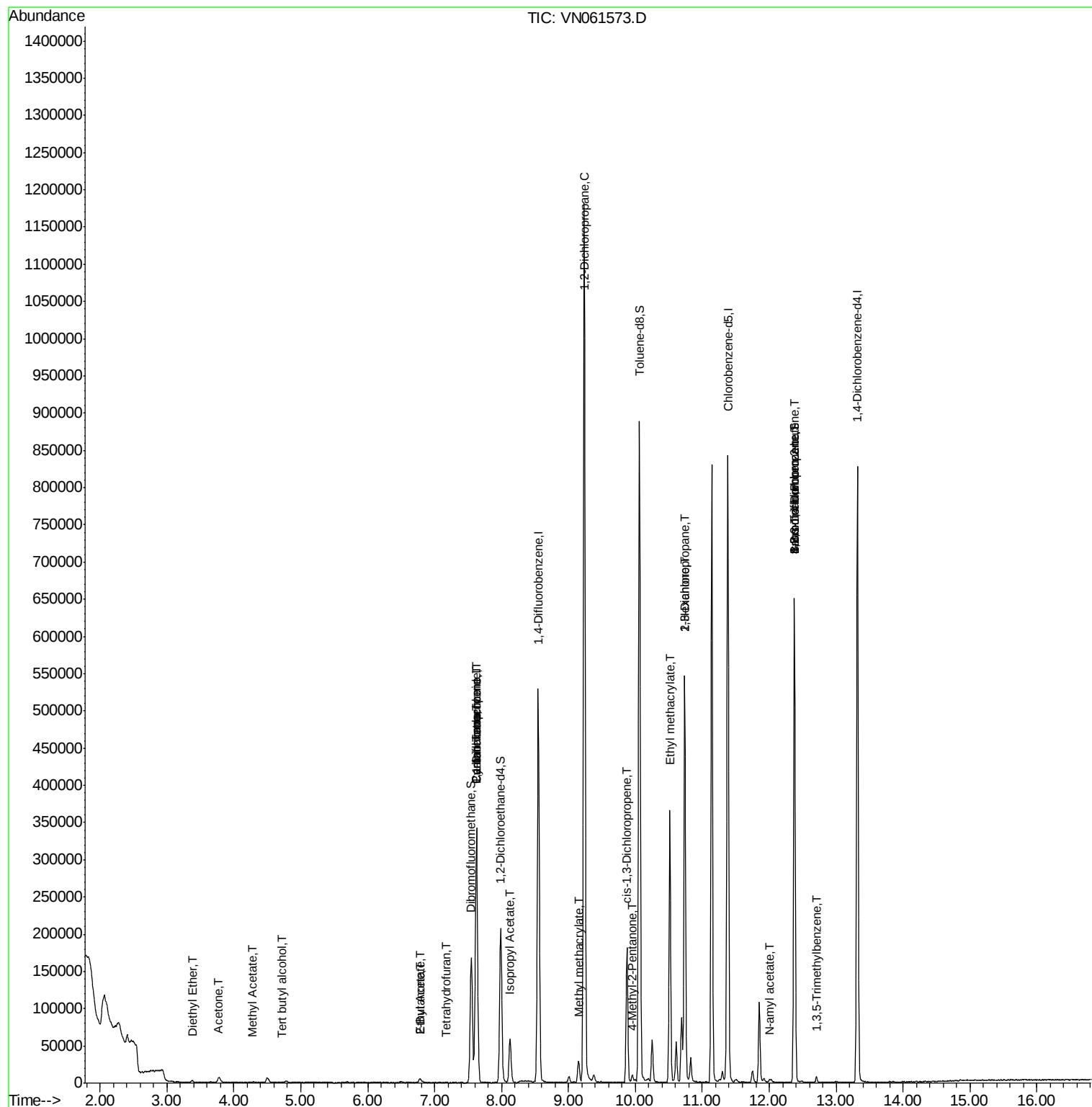
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	1030	0.569	ug/l	81
11) Tert butyl alcohol	4.73	59	204	0.469	ug/l #	72
16) Acetone	3.77	43	12731	8.122	ug/l	99
18) Methyl Acetate	4.27	43	2482	0.838	ug/l #	56
20) Methylene Chloride	4.50	84	5018	Below Cal		95
25) 2-Butanone	6.79	43	4749	3.063	ug/l	90
29) Tetrahydrofuran	7.17	42	516	0.505	ug/l #	29
31) Cyclohexane	7.63	56	5835	1.266	ug/l #	43
36) 1,1-Dichloropropene	7.63	75	21787	4.972	ug/l #	48
37) Ethyl Acetate	6.79	43	4749	1.346	ug/l #	66
38) Carbon Tetrachloride	7.63	117	27830	6.584	ug/l #	17
43) Isopropyl Acetate	8.13	43	67438	10.621	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	1321	0.411	ug/l #	44
48) Methyl methacrylate	9.14	41	3422	1.198	ug/l #	5
51) 4-Methyl-2-Pentanone	9.96	43	5723	1.599	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	35447	6.273	ug/l #	63
56) Ethyl methacrylate	10.51	69	1003	0.204	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	6130	1.090	ug/l #	42
59) 2-Hexanone	10.74	43	70800	27.552	ug/l #	49
71) Bromoform	12.37	173	1380	0.457	ug/l #	1
74) N-amyl acetate	12.01	43	3495	0.673	ug/l #	39
76) 1,2,3-Trichloropropane	12.37	75	116684	28.406	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4336	0.315	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.37	75	116684	72.642	ug/l #	15

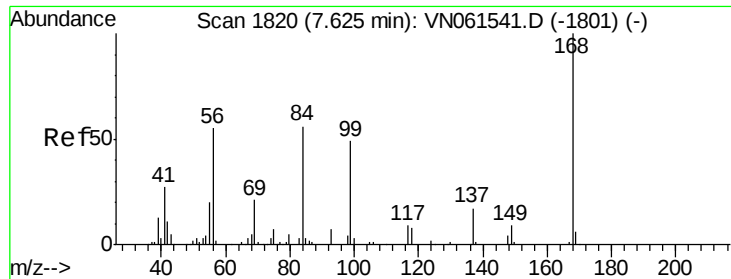
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 30 04:44:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 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: VN061573.D

Acq: 29 May 2020 17:32

Instrument :

MSVOA_N

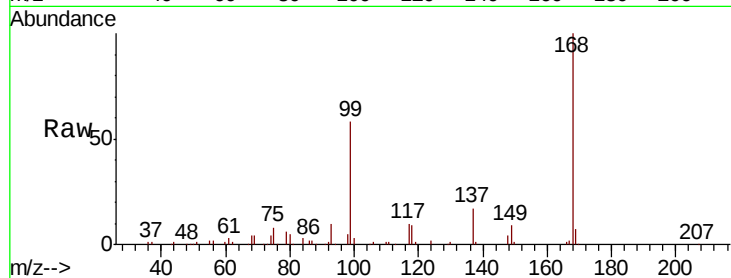
ClientSampleId :

Tot Ion:168 Resp: 274559

Ion Ratio Lower Upper

168 100

99 58.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

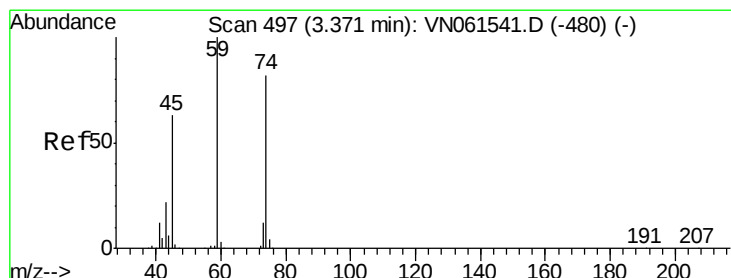
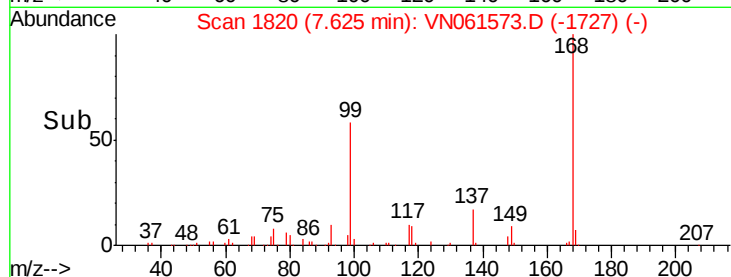
7.63

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.569 ug/l

RT: 3.37 min Scan# 496

Delta R.T. -0.00 min

Lab File: VN061573.D

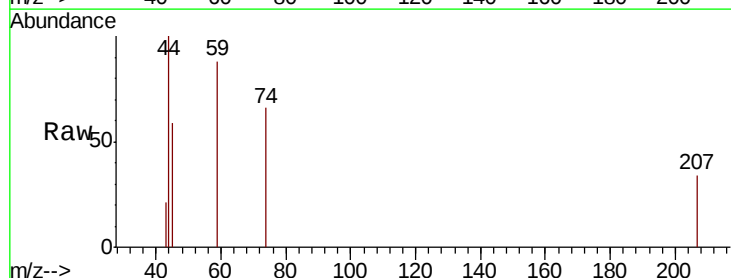
Acq: 29 May 2020 17:32

Tgt Ion: 74 Resp: 1030

Ion Ratio Lower Upper

74 100

45 96.7 39.9 119.7



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.37

600

500

400

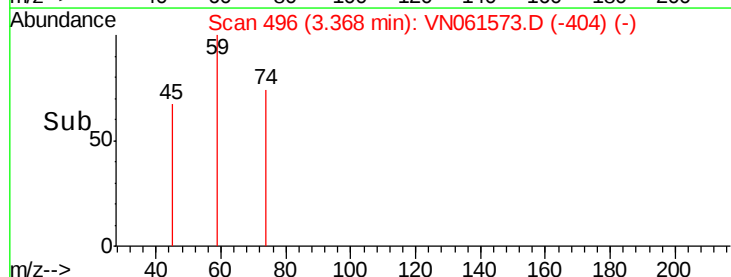
300

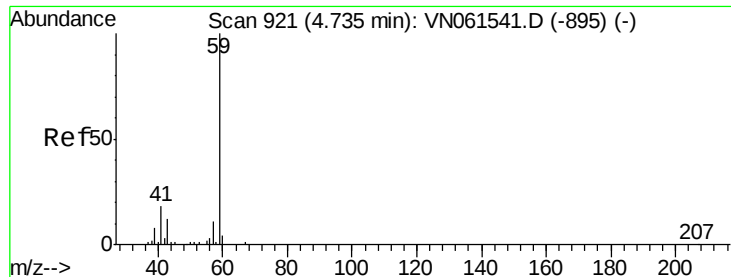
200

100

0

Time-->



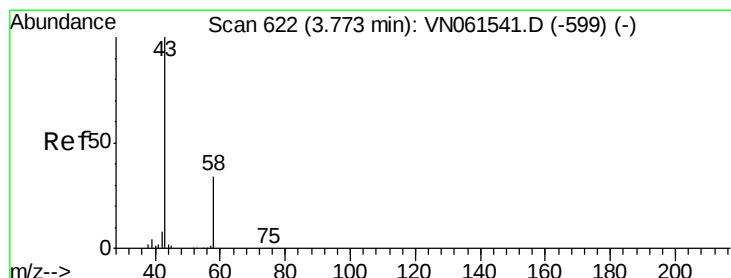
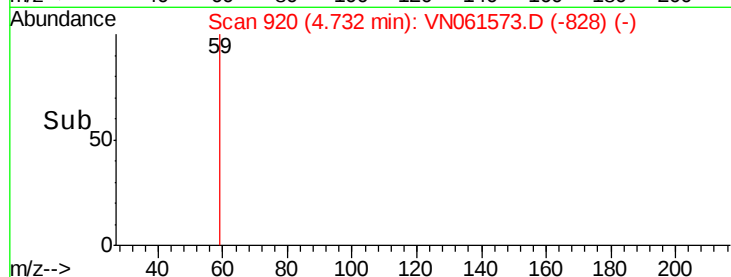
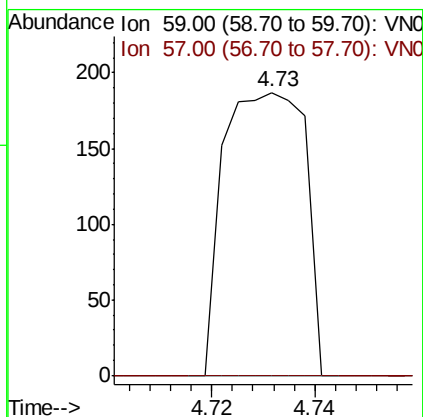
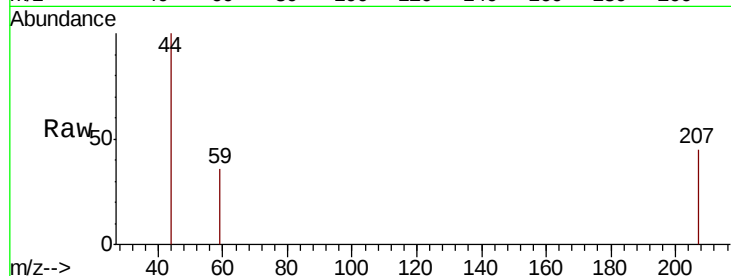


#11

Tert butyl alcohol
 Concen: 0.469 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :

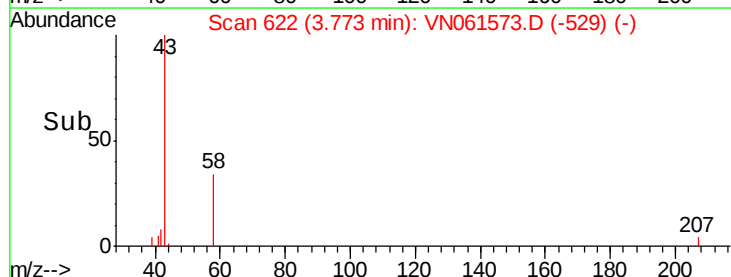
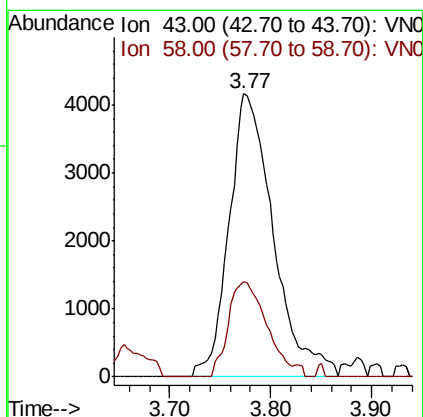
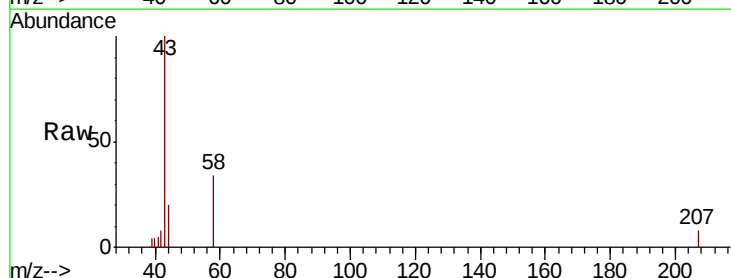
Tot Ion: 59 Resp: 204
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

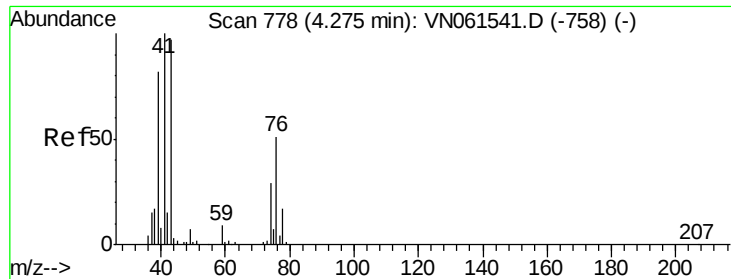


#16

Acetone
 Concen: 8.122 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

Tgt Ion: 43 Resp: 12731
 Ion Ratio Lower Upper
 43 100
 58 33.6 27.2 40.8

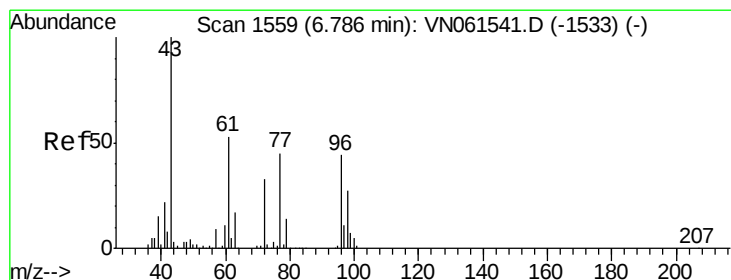
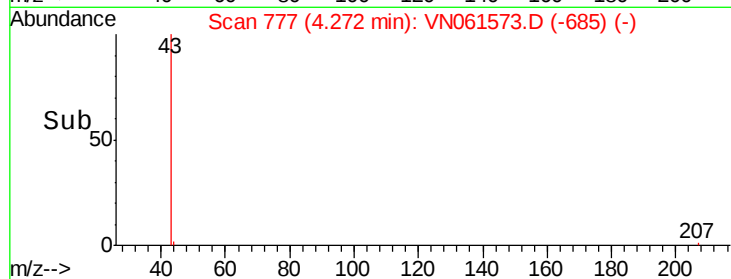
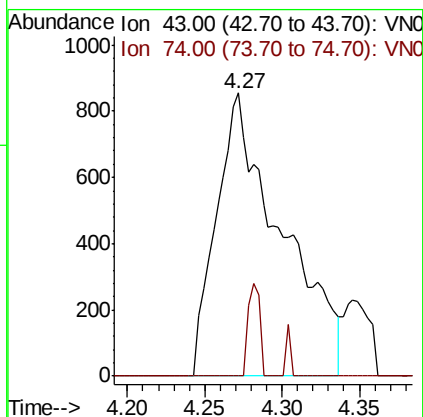
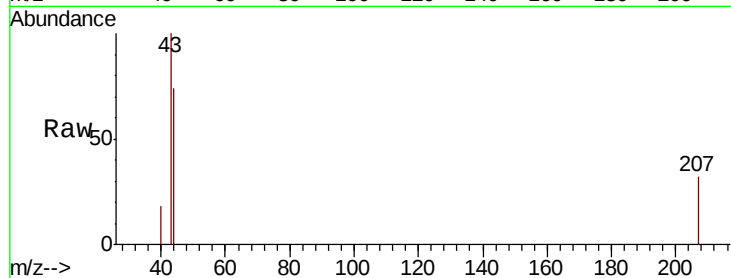




#18
Methyl Acetate
Concen: 0.838 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

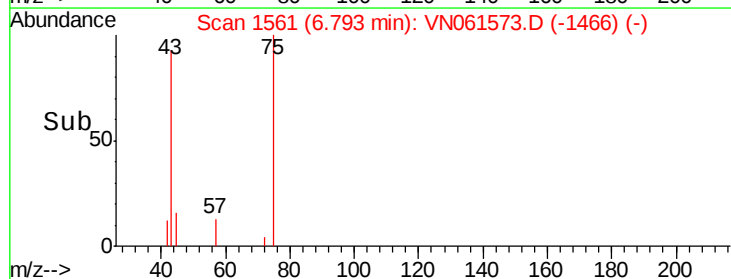
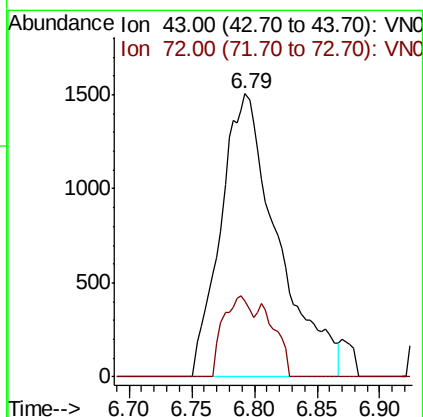
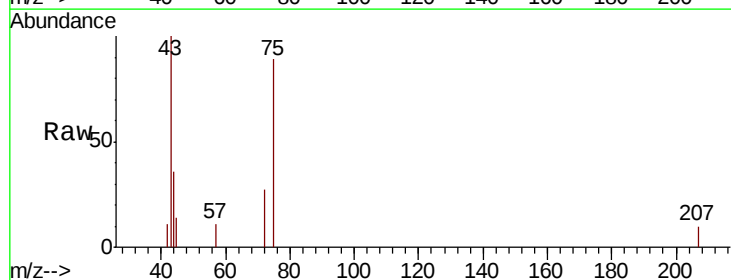
Instrument :
MSVOA_N
ClientSampled :

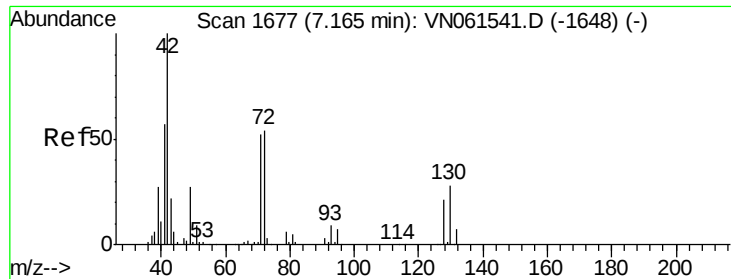
Tot Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
74 5.8 23.2 34.8#



#25
2-Butanone
Concen: 3.063 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Tgt Ion: 43 Resp: 4749
Ion Ratio Lower Upper
43 100
72 26.8 26.0 39.0

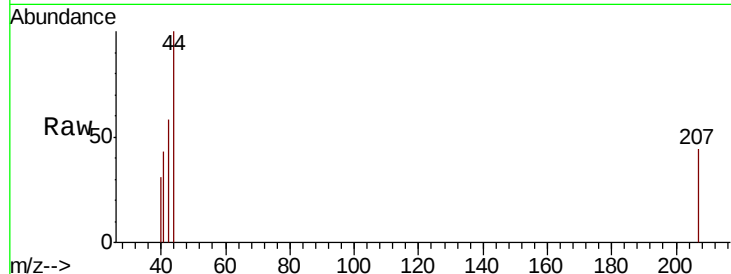




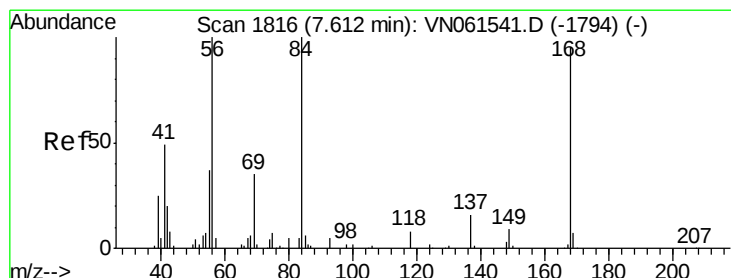
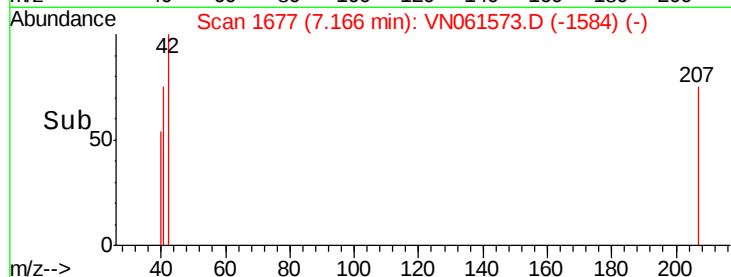
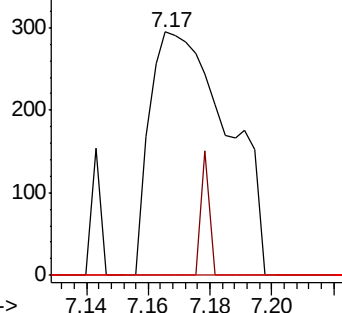
#29
Tetrahydrofuran
Concen: 0.505 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 516
Ion Ratio Lower Upper
42 100
72 5.6 43.6 65.4#
71 0.0 41.2 61.8#

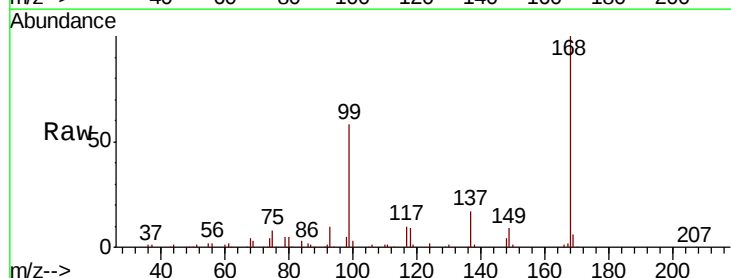


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

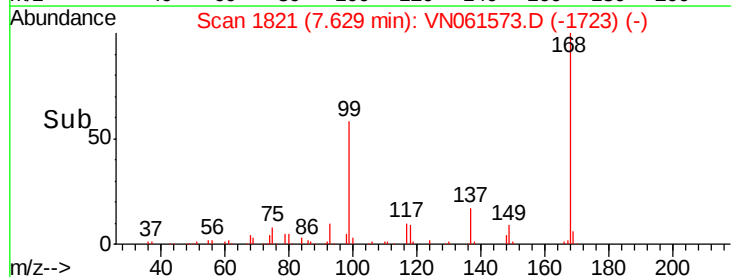
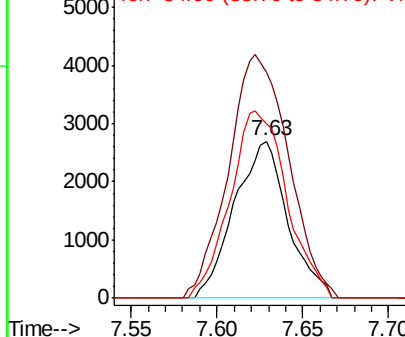


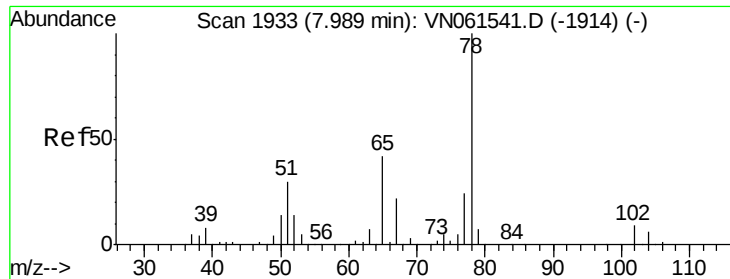
#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Tgt Ion: 56 Resp: 5835
Ion Ratio Lower Upper
56 100
69 144.0 27.8 41.8#
84 111.5 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

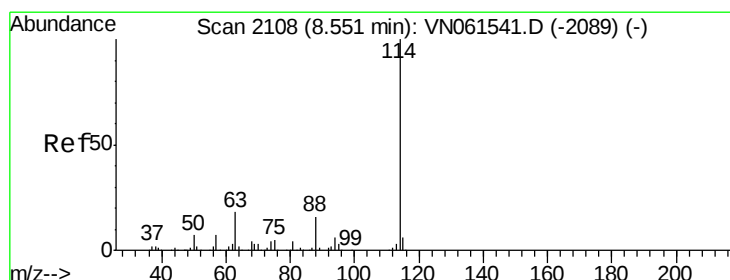
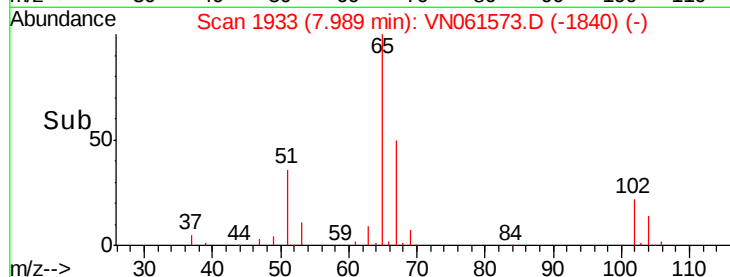
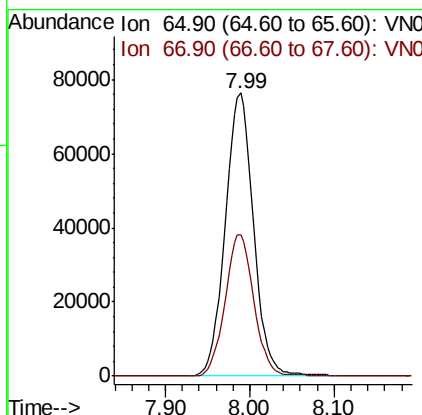
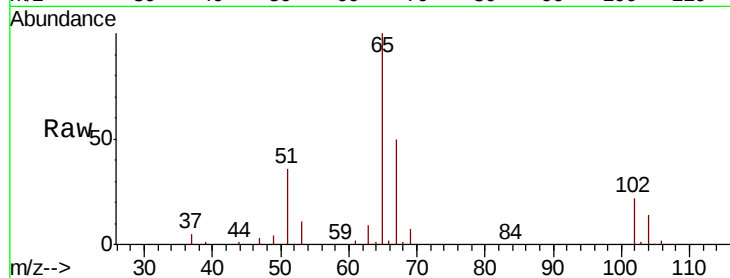




#33
 1,2-Dichloroethane-d4
 Concen: 54.402 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

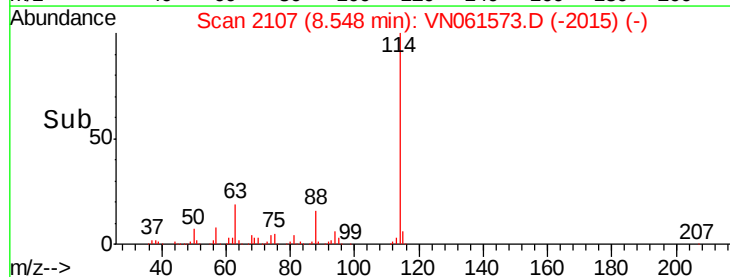
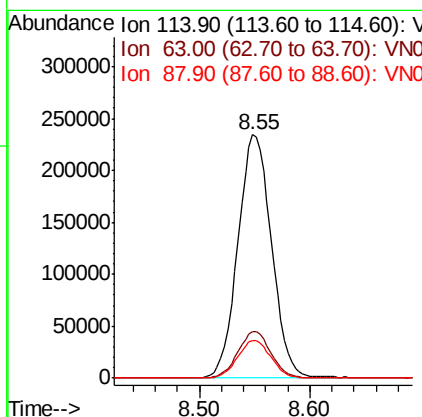
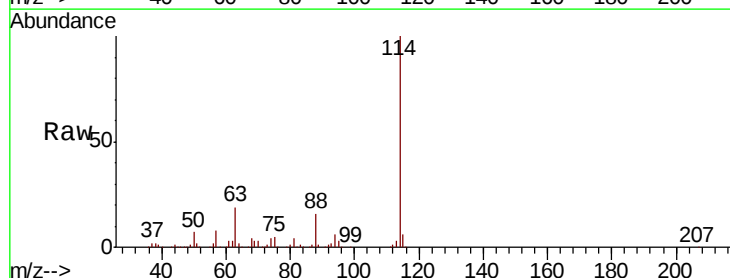
Instrument :
 MSVOA_N
 ClientSampleId :

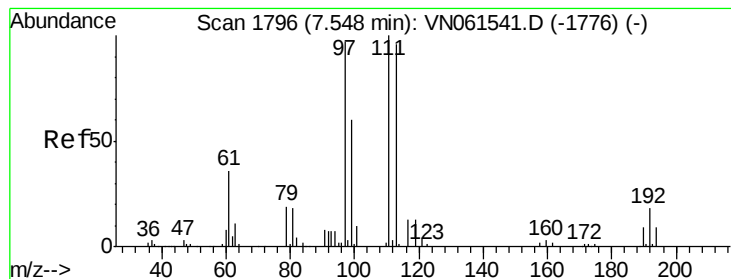
Tot Ion: 65 Resp: 177961
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

Tgt Ion: 114 Resp: 494977
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 35.8
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.280 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061573.D

Acq: 29 May 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :

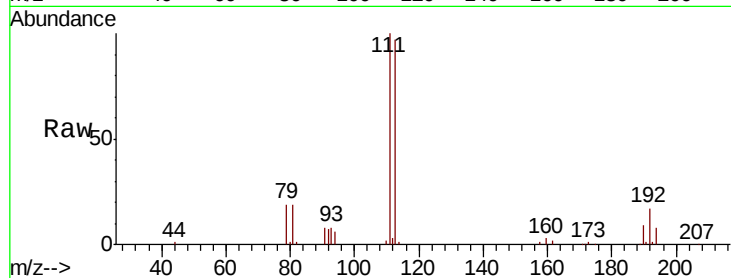
Tot Ion:113 Resp: 128760

Ion Ratio Lower Upper

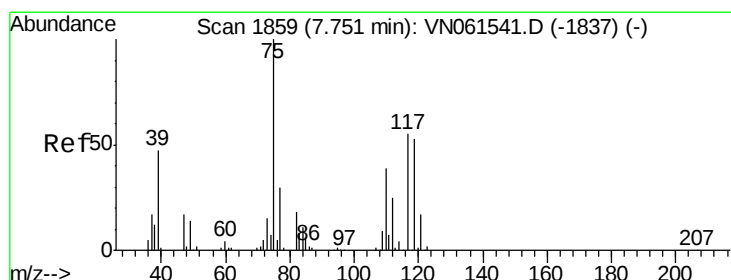
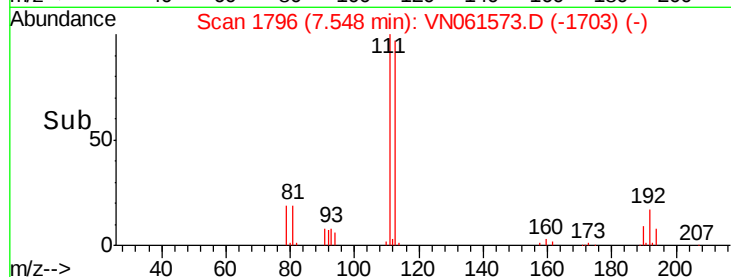
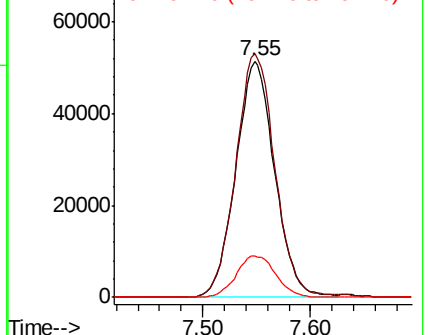
113 100

111 103.9 83.4 125.0

192 17.9 15.4 23.2



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: 4.972 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061573.D

Acq: 29 May 2020 17:32

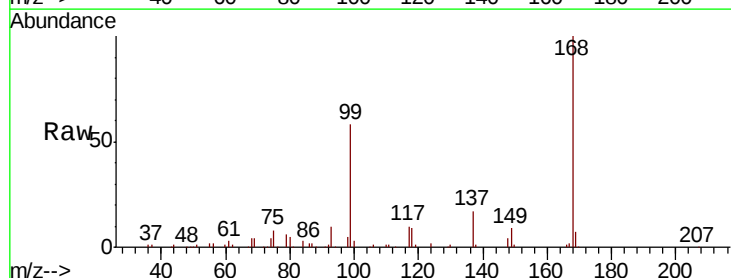
Tgt Ion: 75 Resp: 21787

Ion Ratio Lower Upper

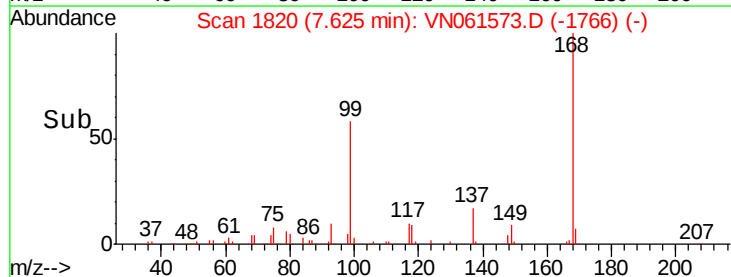
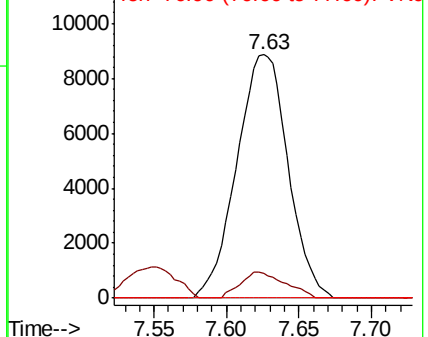
75 100

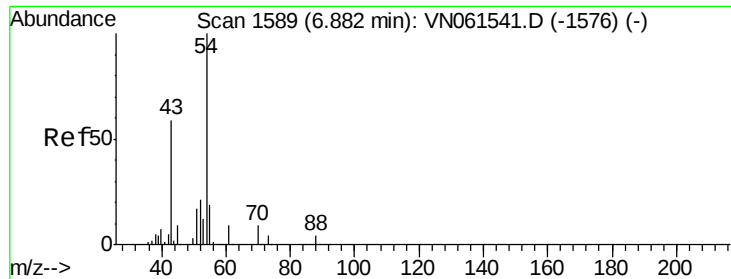
110 9.4 19.5 58.5#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

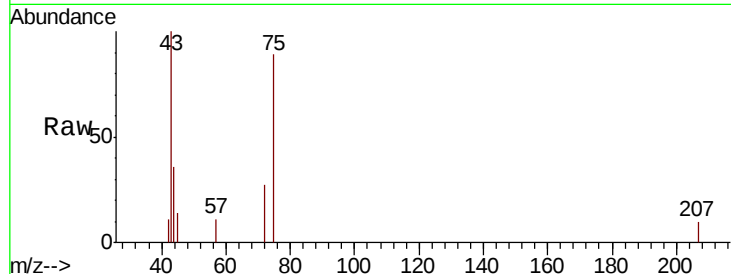




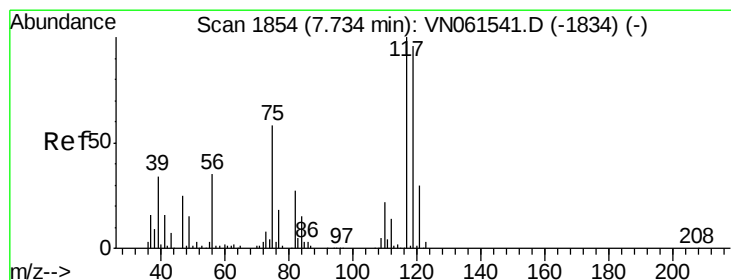
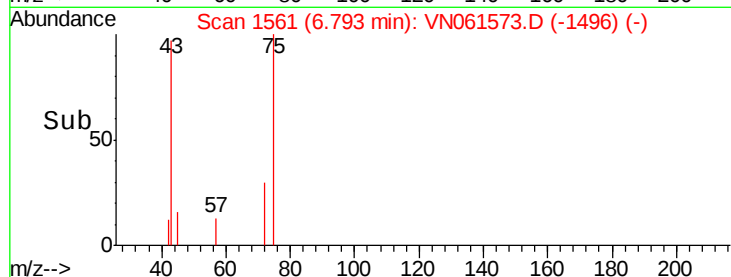
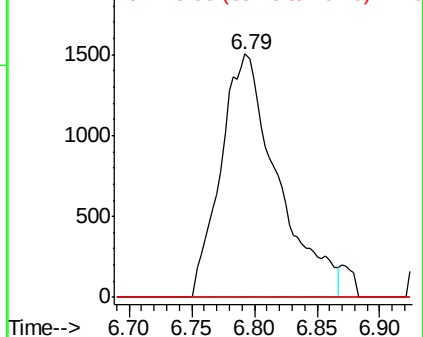
#37
Ethyl Acetate
Concen: 1.346 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.09 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 4749
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#

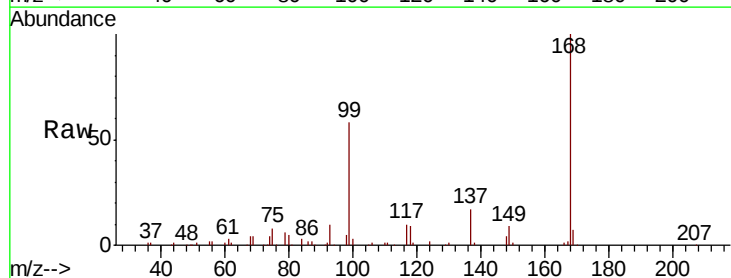


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

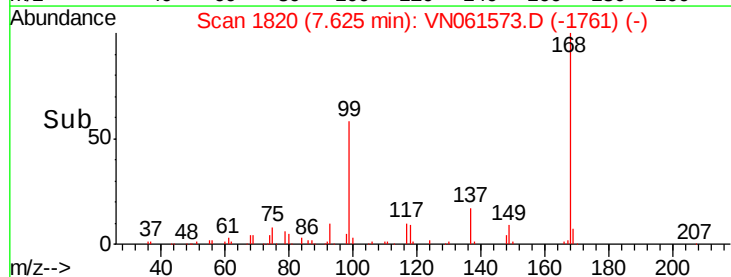
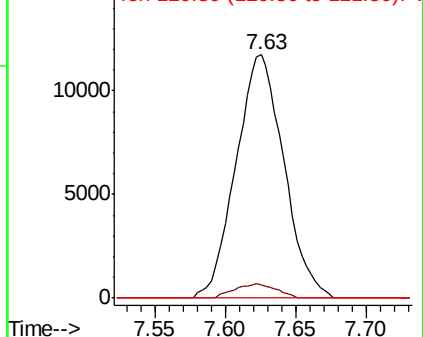


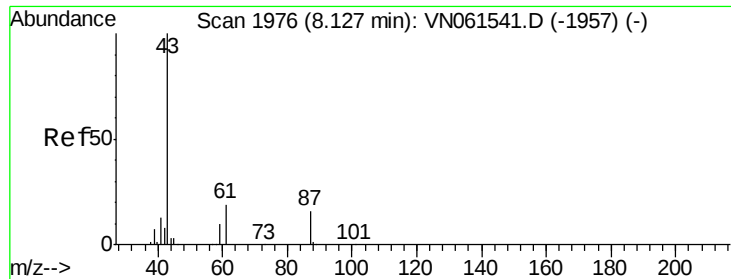
#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Tgt Ion: 117 Resp: 27830
Ion Ratio Lower Upper
117 100
119 5.6 76.5 114.7#
121 0.0 24.1 36.1#



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



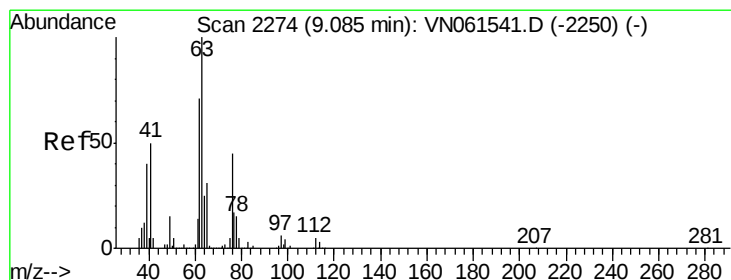
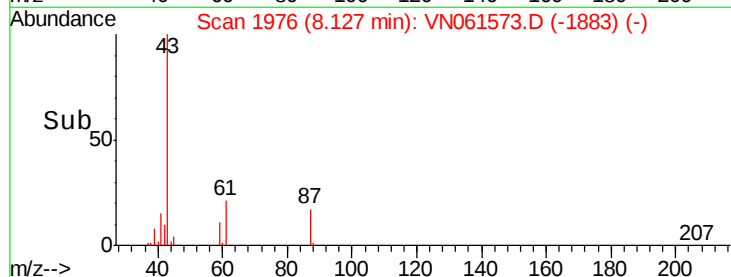
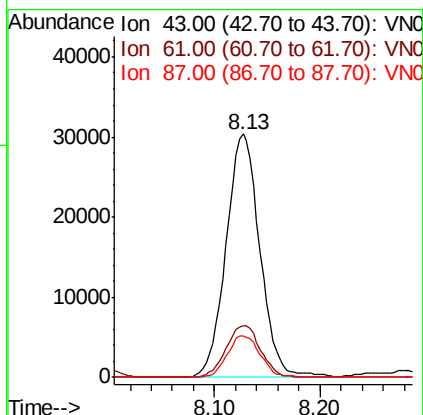
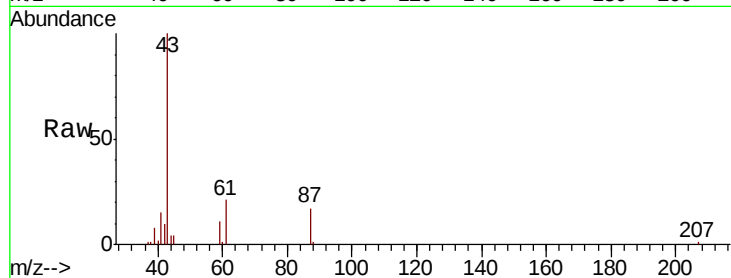


#43

Isopropyl Acetate
 Concen: 10.621 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :

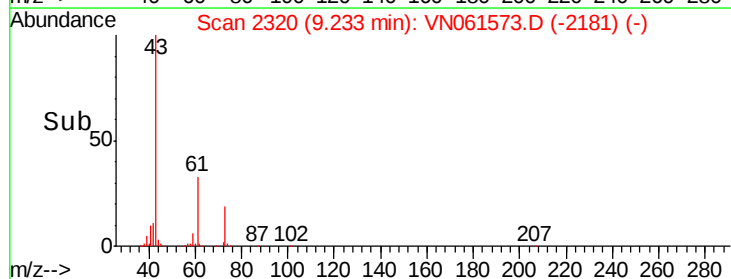
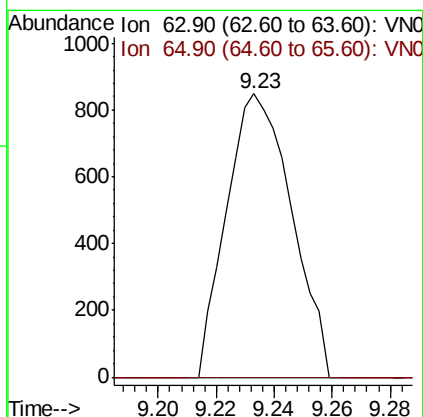
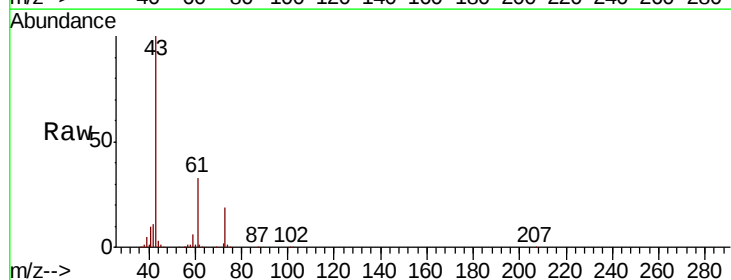
Tot Ion	43	Resp	67438
Ion Ratio	Lower	Upper	
43	100		
61	21.6	23.6	35.4#
87	16.6	13.0	19.6

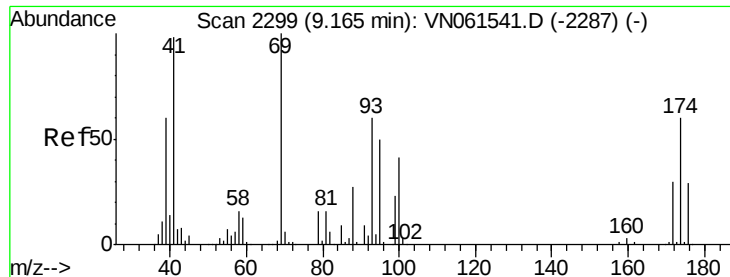


#45

1,2-Dichloropropane
 Concen: 0.411 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

Tgt Ion	63	Resp	1321
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.7	37.1#

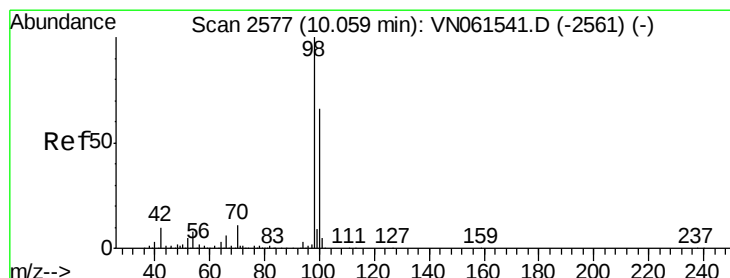
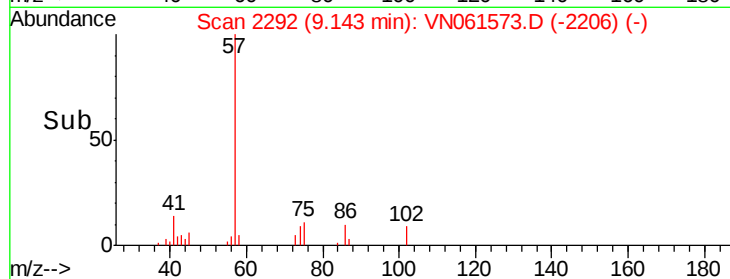
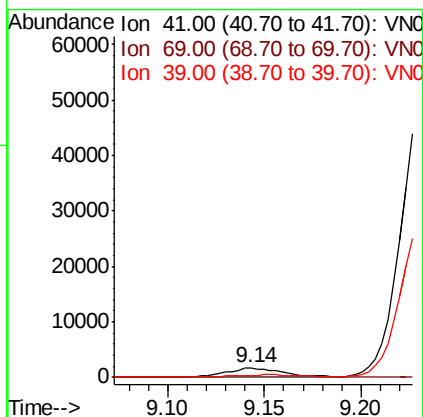
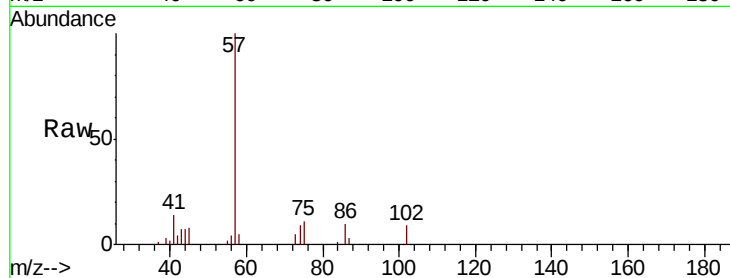




#48
Methvl methacrylate
Concen: 1.198 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

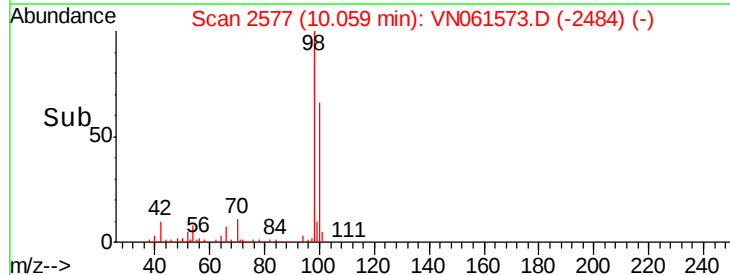
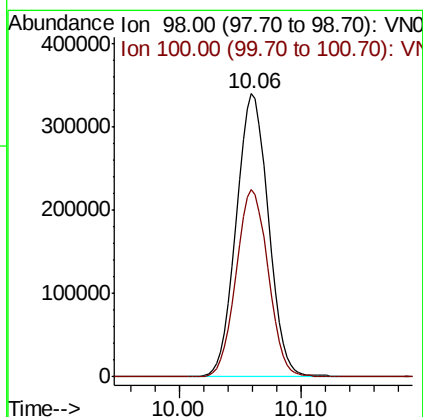
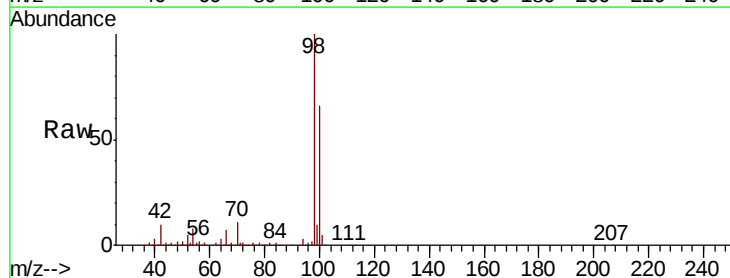
Instrument :
MSVOA_N
ClientSampleId :

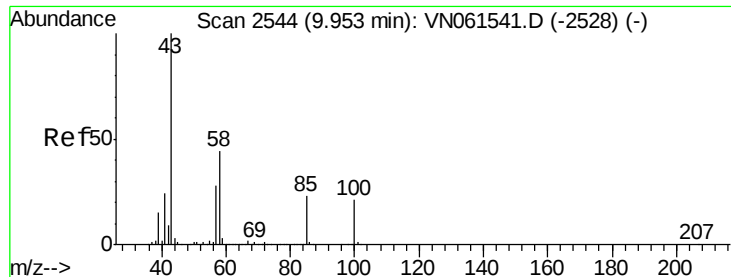
Tot Ion: 41 Resp: 3422
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#



#50
Toluene-d8
Concen: 53.434 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Tgt Ion: 98 Resp: 621754
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2

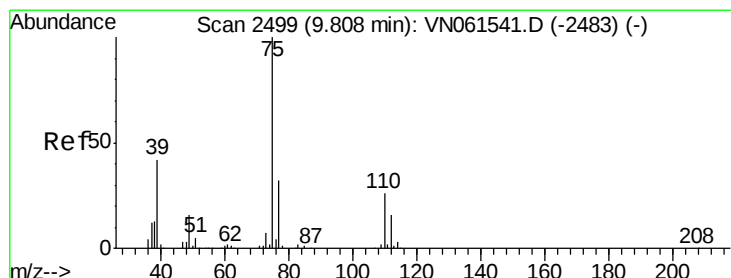
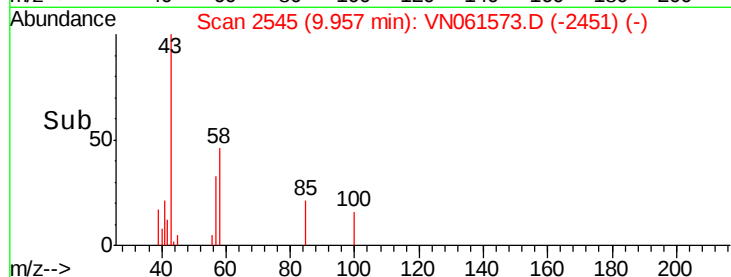
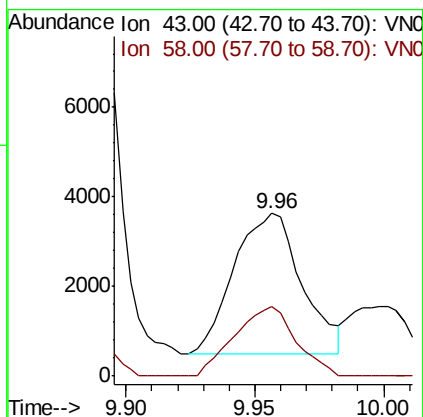
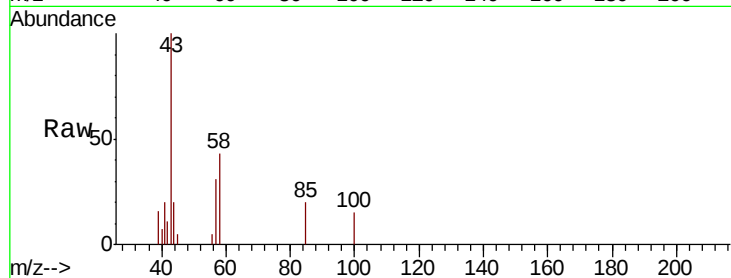




#51
 4-Methyl-2-Pentanone
 Concen: 1.599 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

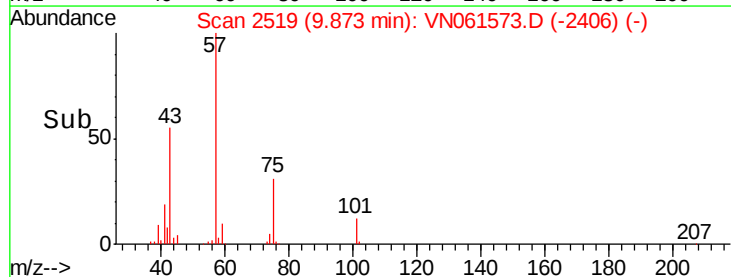
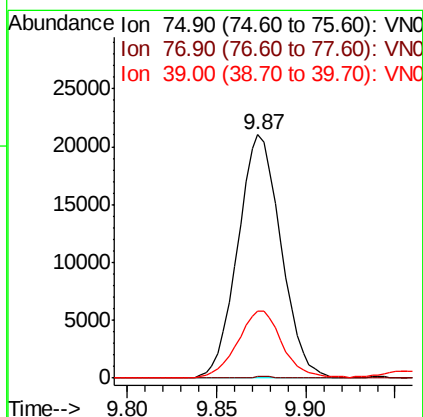
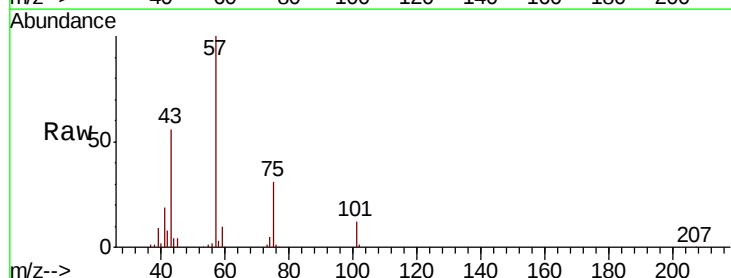
Instrument :
 MSVOA_N
 ClientSampled :

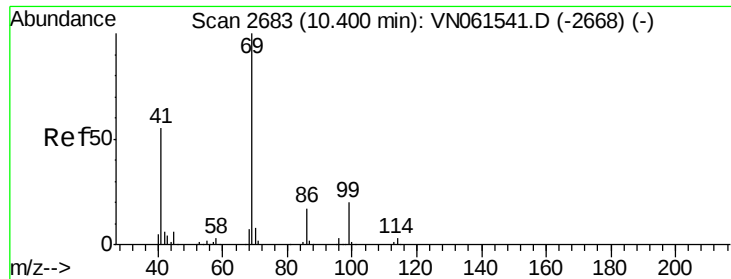
Tot Ion: 43 Resp: 5723
 Ion Ratio Lower Upper
 43 100
 58 45.0 35.0 52.6



#54
 cis-1,3-Dichloropropene
 Concen: 6.273 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

Tgt Ion: 75 Resp: 35447
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.4 38.2#
 39 27.7 33.8 50.6#

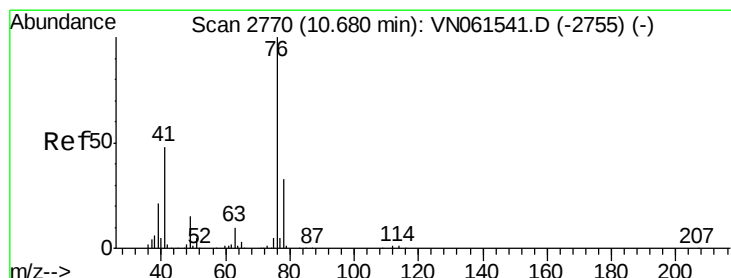
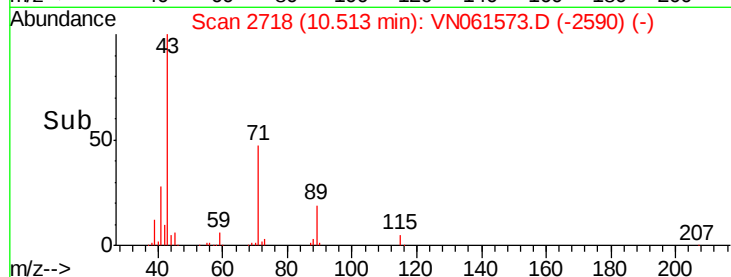
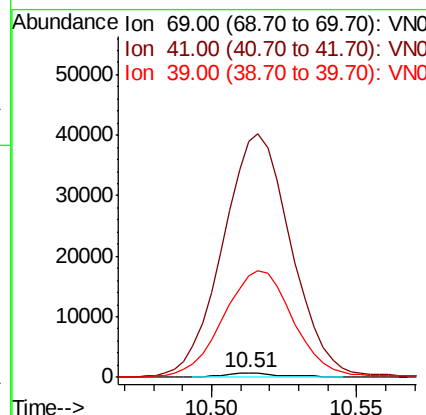
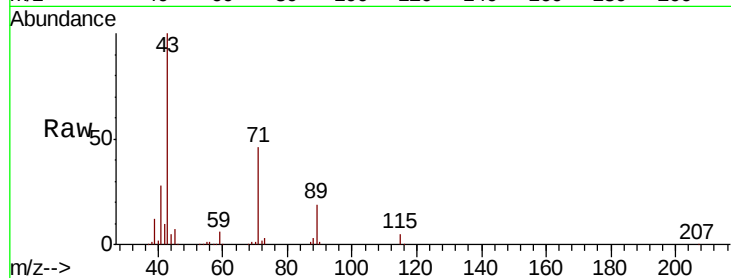




#56
Ethyl methacrylate
Concen: 0.204 ug/l
RT: 10.51 min Scan# 2718
Delta R.T. 0.11 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

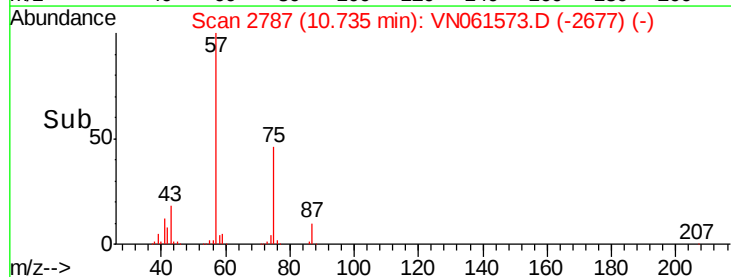
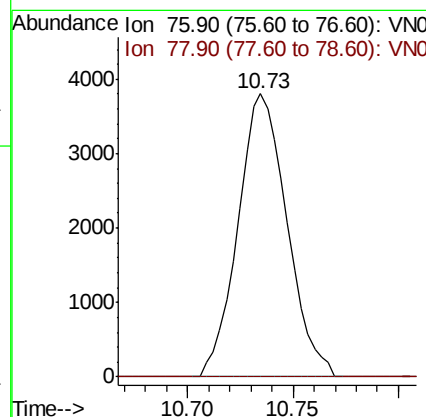
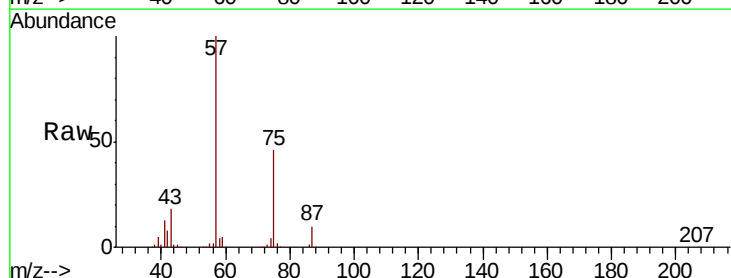
Instrument :
MSVOA_N
ClientSampled :

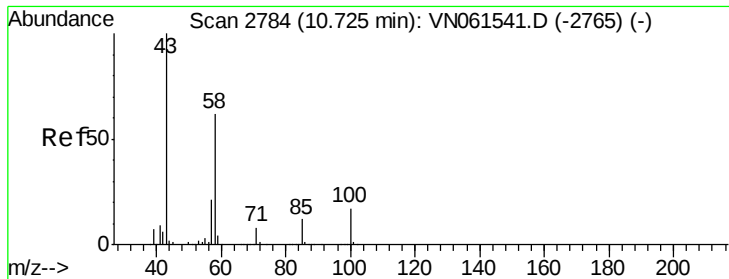
Tot Ion: 69 Resp: 1003
Ion Ratio Lower Upper
69 100
41 6610.0 43.5 65.3#
39 2970.5 27.0 40.6#



#57
1,3-Dichloropropane
Concen: 1.090 ug/l
RT: 10.73 min Scan# 2787
Delta R.T. 0.05 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Tgt Ion: 76 Resp: 6130
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

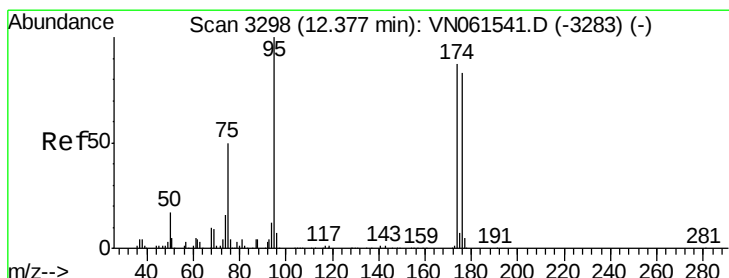
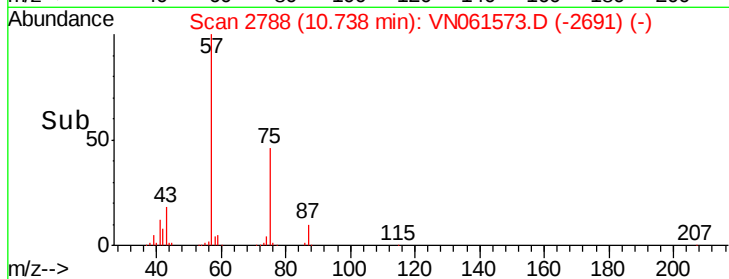
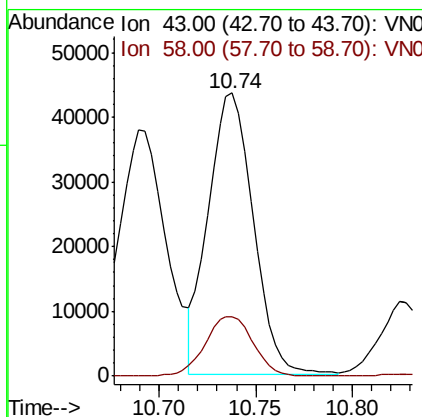
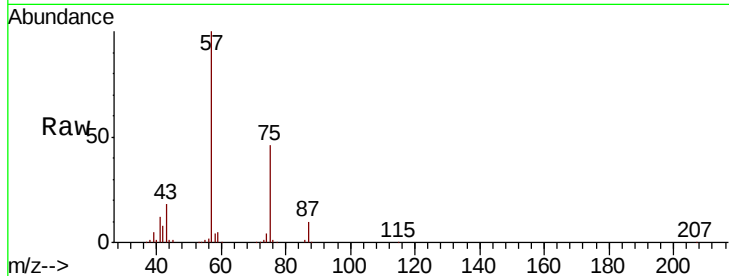




#59
2-Hexanone
Concen: 27.552 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

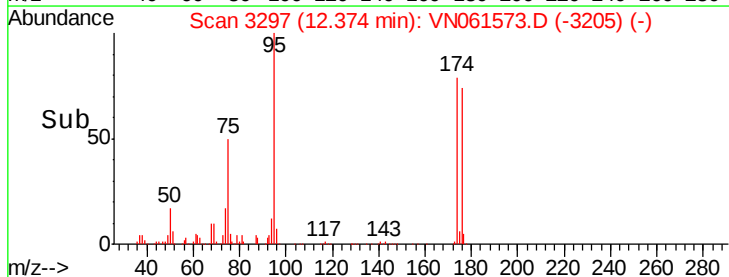
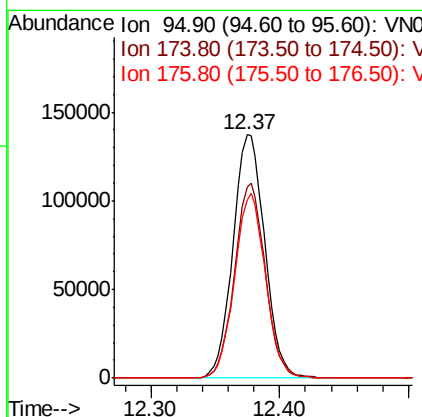
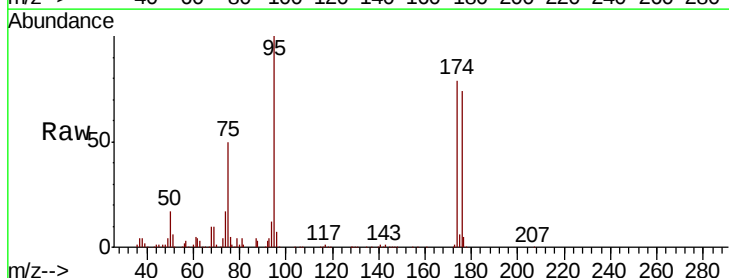
Instrument :
MSVOA_N
ClientSampled :

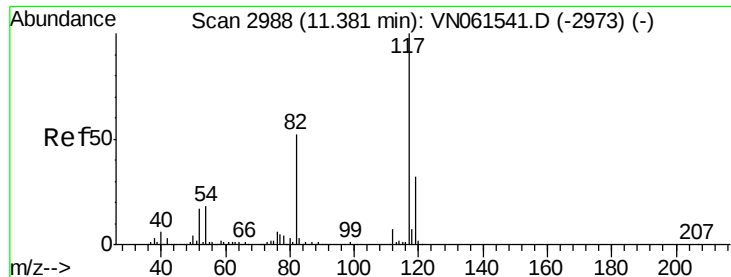
Tot Ion: 43 Resp: 70800
Ion Ratio Lower Upper
43 100
58 22.5 30.7 92.1#



#62
4-Bromofluorobenzene
Concen: 55.320 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Tgt Ion: 95 Resp: 234843
Ion Ratio Lower Upper
95 100
174 77.3 0.0 172.8
176 74.0 0.0 164.8

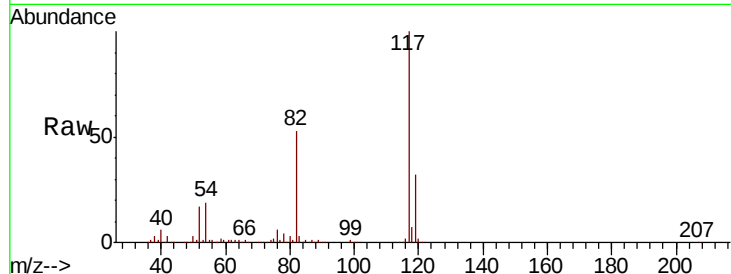




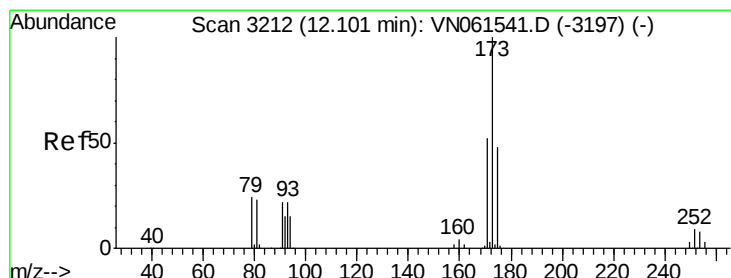
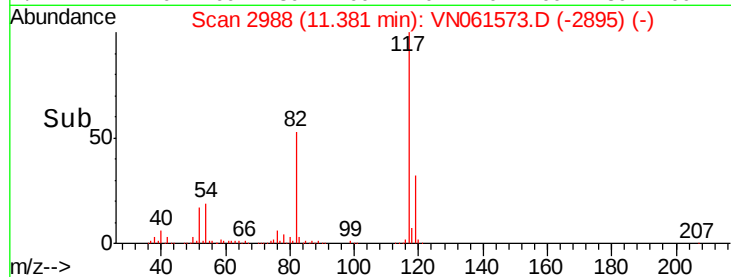
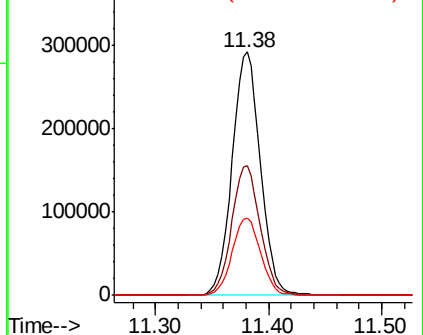
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.5	62.3
119	31.9	25.6	38.4

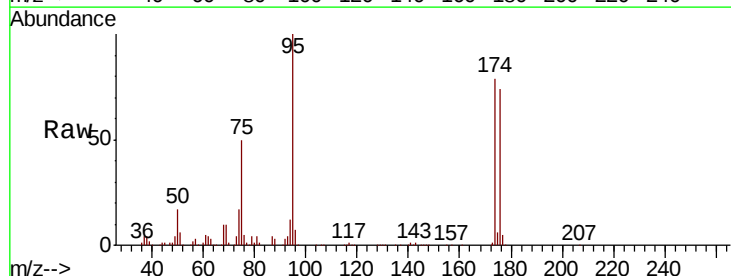


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

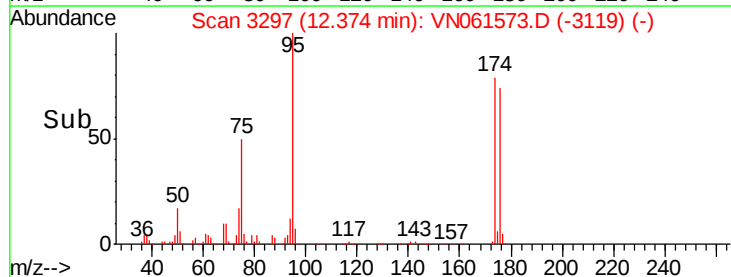
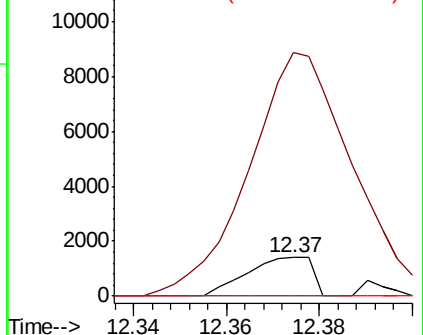


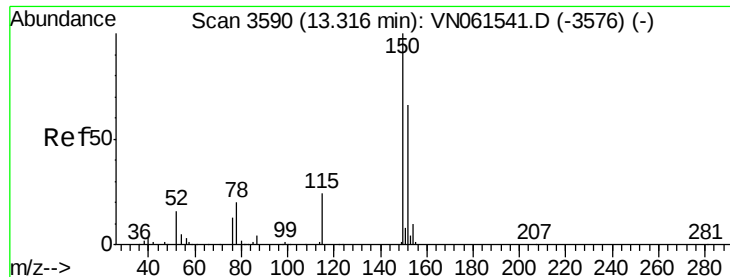
#71
Bromoform
Concen: 0.457 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061573.D
Acq: 29 May 2020 17:32

Tgt Ion	Ratio	Lower	Upper
173	100		
175	871.5	24.4	73.2#
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: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061573.D

Acq: 29 May 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

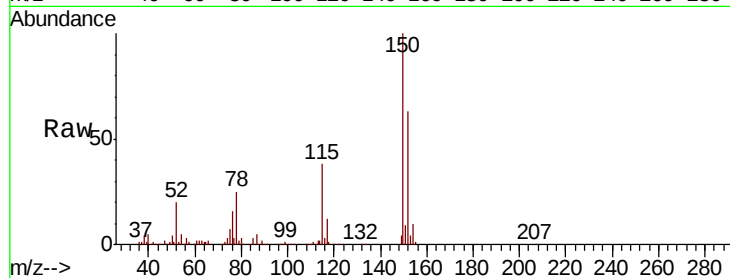
Tot Ion:152 Resp: 225899

Ion Ratio Lower Upper

152 100

115 60.2 28.0 84.0

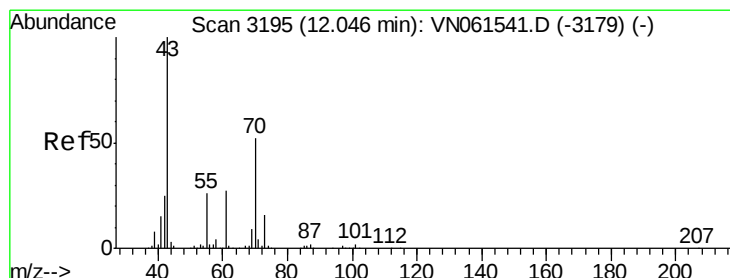
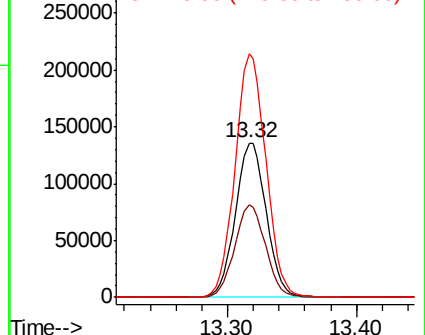
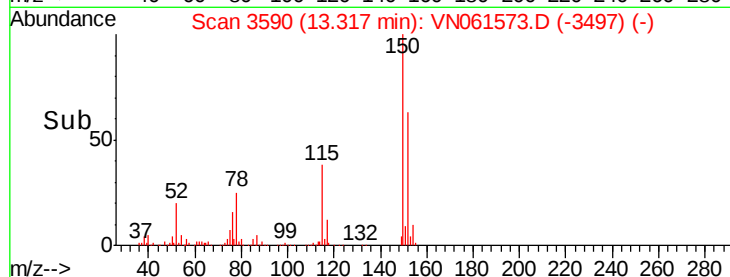
150 157.9 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.673 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN061573.D

Acq: 29 May 2020 17:32

Tgt Ion: 43 Resp: 3495

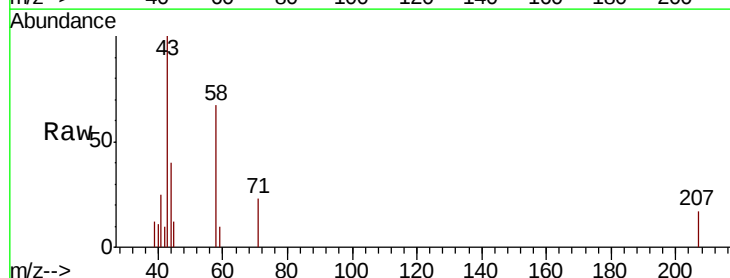
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 2.7 20.6 31.0#

61 0.0 21.8 32.6#

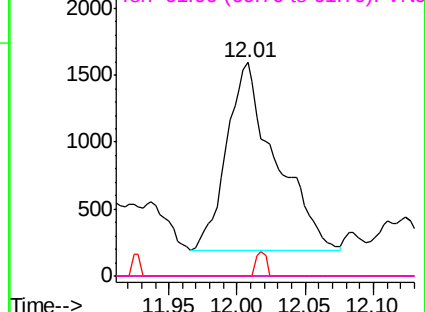
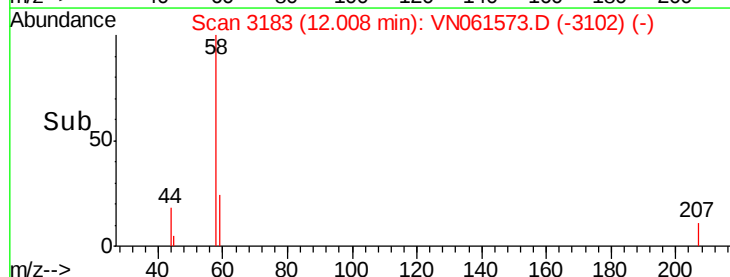


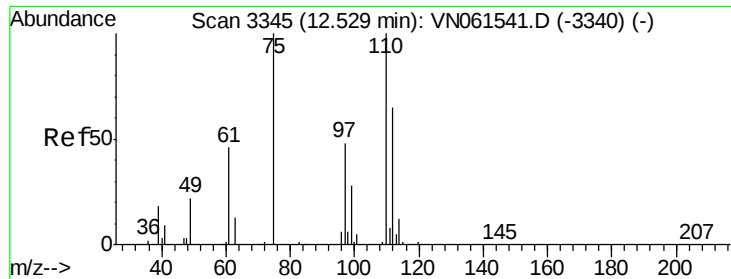
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.406 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061573.D

Acq: 29 May 2020 17:32

Instrument :

MSVOA_N

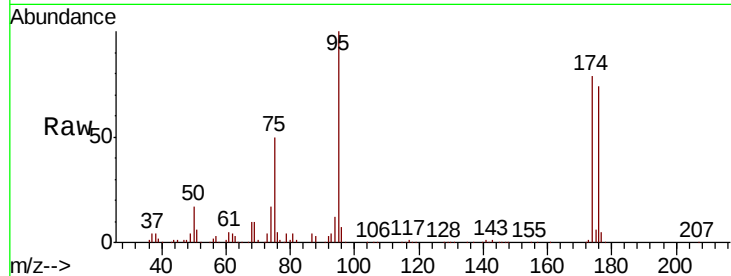
ClientSampled :

Tot Ion: 75 Resp: 116684

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061573.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061573.D (-3252) (-)

12.37

80000

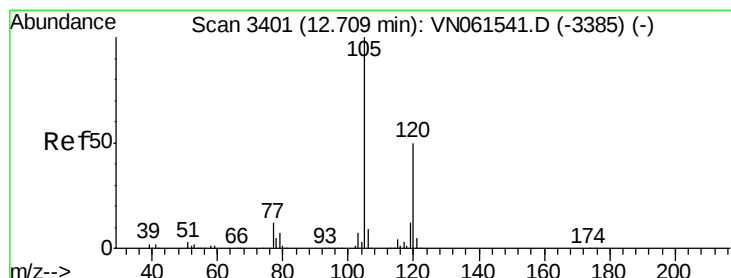
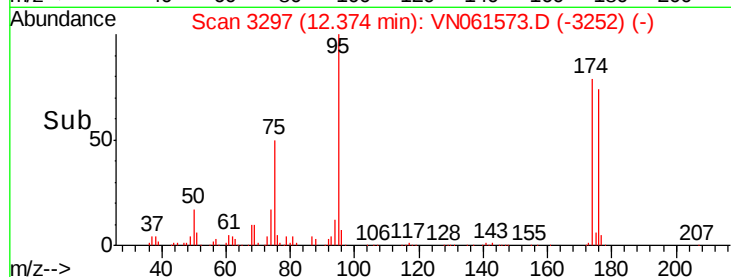
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.315 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061573.D

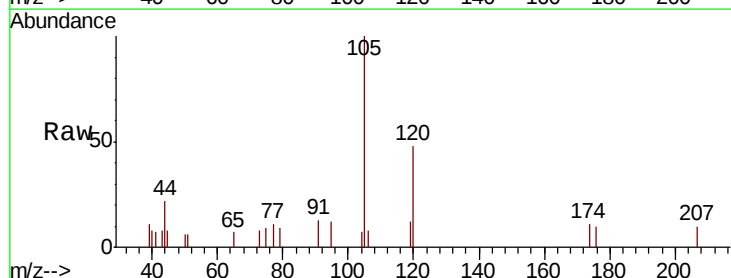
Acq: 29 May 2020 17:32

Tgt Ion: 105 Resp: 4336

Ion Ratio Lower Upper

105 100

120 47.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061573.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN061573.D (-3308) (-)

12.71

3000

2500

2000

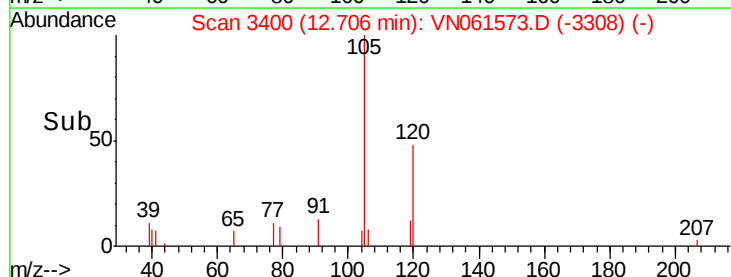
1500

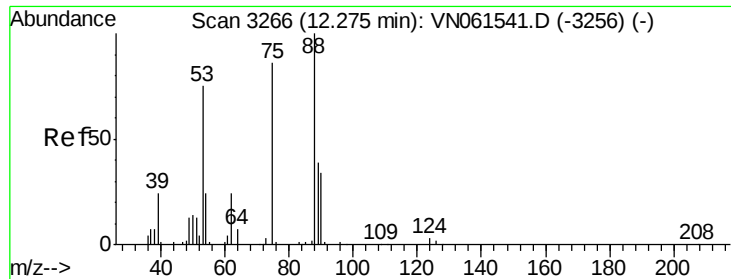
1000

500

0

Time-->

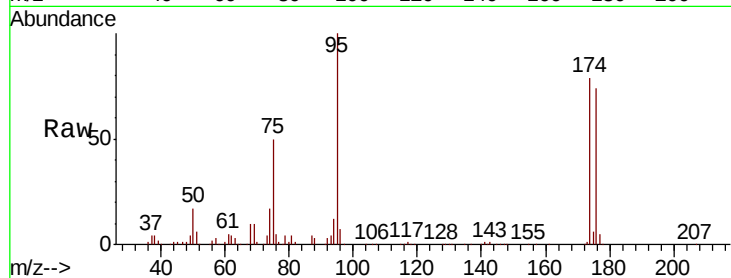




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.642 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061573.D
 Acq: 29 May 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 116684
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 53.00 (52.70 to 53.70): VNO
 Ion 88.90 (88.60 to 89.60): VNO

