

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061574.D
 Acq On : 29 May 2020 17:56
 Operator : JC/MD
 Sample : PB129155ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:45:00 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

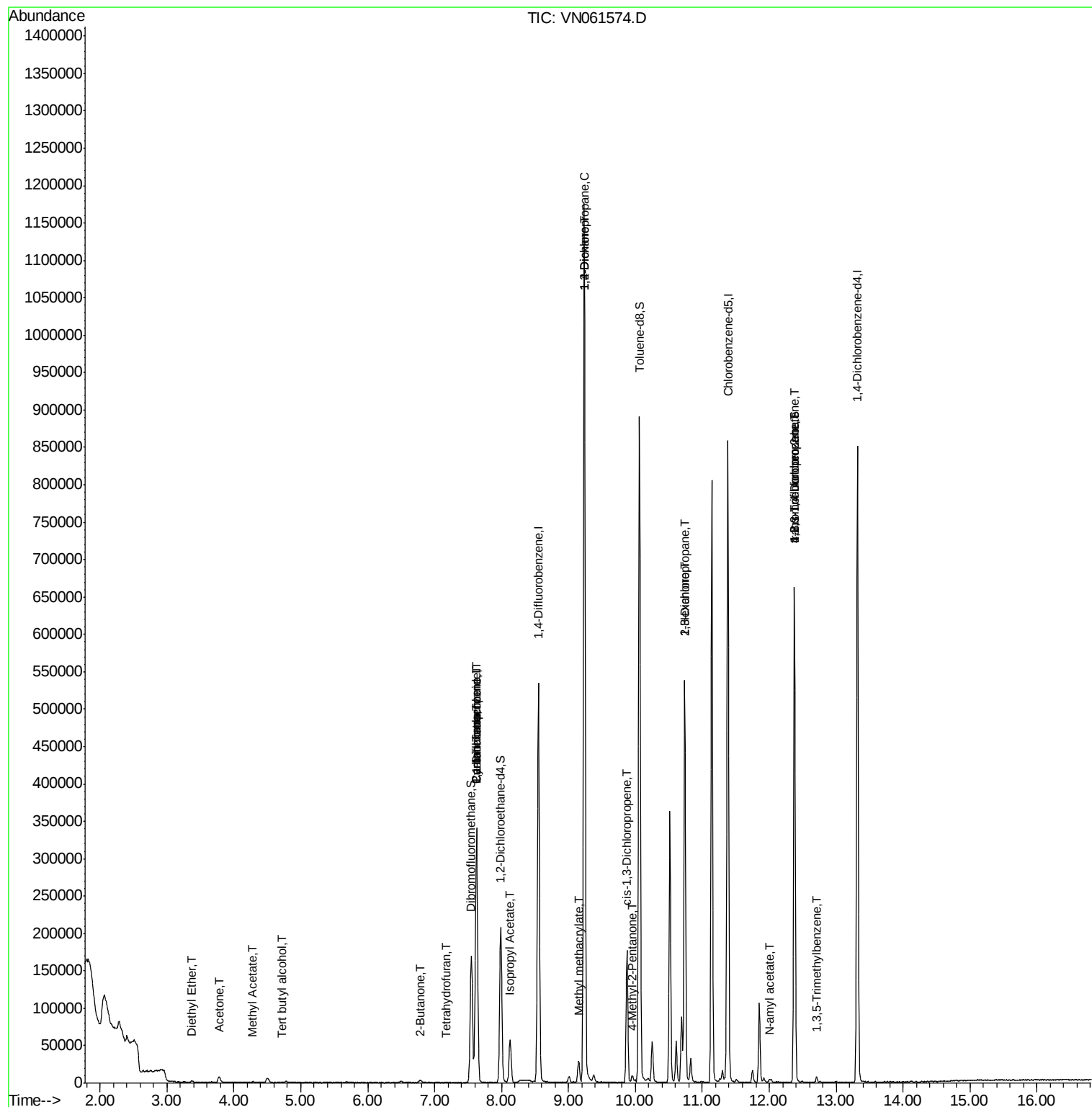
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	275692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	231466	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	178386	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.62%	
35) Dibromofluoromethane	7.55	113	131221	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
50) Toluene-d8	10.06	98	622796	53.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.38	95	236964	55.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.60%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.37	74	1053	0.580	ug/l	76
11) Tert butyl alcohol	4.72	59	189	0.433	ug/l #	72
16) Acetone	3.78	43	13202	8.596	ug/l	92
18) Methyl Acetate	4.27	43	1091	0.367	ug/l #	85
20) Methylene Chloride	4.50	84	4821	Below Cal		85
25) 2-Butanone	6.79	43	4186	2.689	ug/l	90
29) Tetrahydrofuran	7.17	42	459	0.447	ug/l #	25
31) Cyclohexane	7.62	56	5567	1.203	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	20913	4.728	ug/l #	49
38) Carbon Tetrachloride	7.62	117	28379	6.652	ug/l #	17
43) Isopropyl Acetate	8.13	43	66482	10.373	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1437	0.443	ug/l #	44
48) Methyl methacrylate	9.15	41	3910	1.356	ug/l #	5
49) 1,4-Dioxane	9.23	88	172	3.850	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	5498	1.522	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	35333	6.195	ug/l #	63
57) 1,3-Dichloropropane	10.74	76	5776	1.018	ug/l #	42
59) 2-Hexanone	10.74	43	70675	27.247	ug/l #	49
74) N-amyl acetate	12.00	43	2426	0.456	ug/l #	39
76) 1,2,3-Trichloropropane	12.37	75	117358	27.883	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3663	0.259	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.37	75	117358	71.304	ug/l #	15

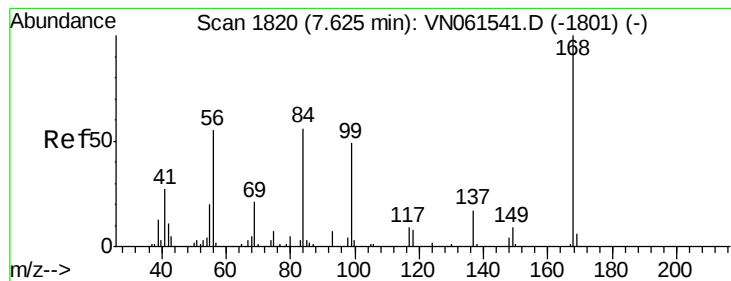
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061574.D

Acq: 29 May 2020 17:56

Instrument :

MSVOA_N

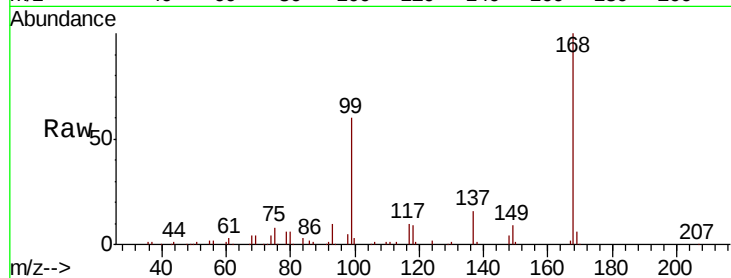
ClientSampleId :

Tot Ion:168 Resp: 275692

Ion Ratio Lower Upper

168 100

99 60.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061541.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061541.D (-1801) (-)

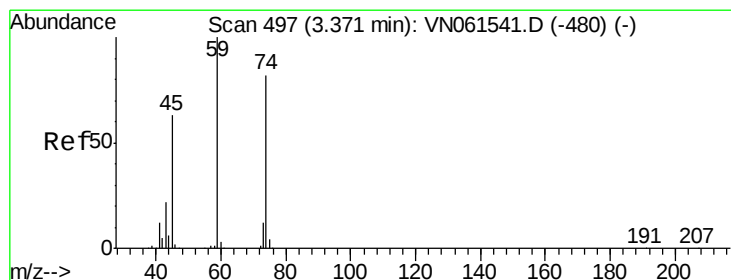
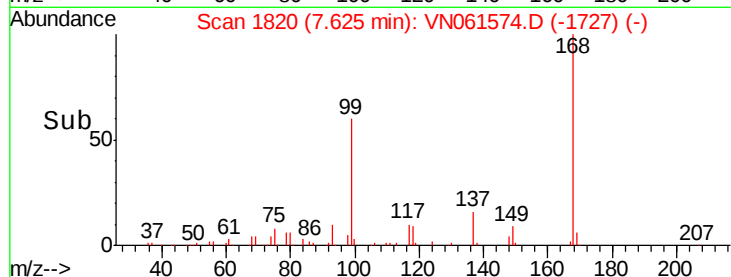
7.63

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.580 ug/l

RT: 3.37 min Scan# 496

Delta R.T. -0.00 min

Lab File: VN061574.D

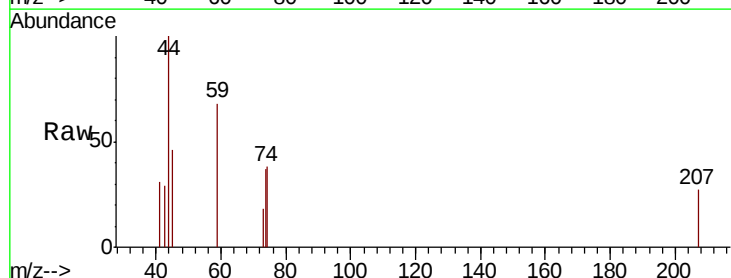
Acq: 29 May 2020 17:56

Tgt Ion: 74 Resp: 1053

Ion Ratio Lower Upper

74 100

45 59.1 39.9 119.7



Abundance Ion 74.00 (73.70 to 74.70): VN061541.D (-480) (-)

Ion 45.00 (44.70 to 45.70): VN061541.D (-480) (-)

3.37

800

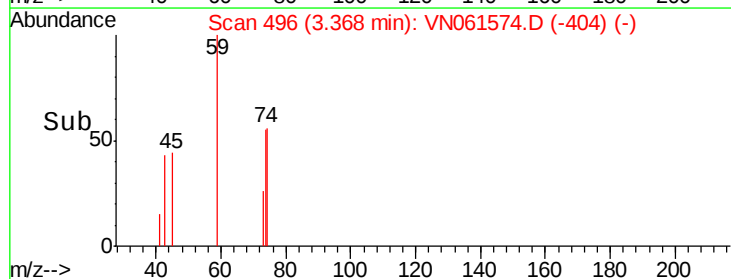
600

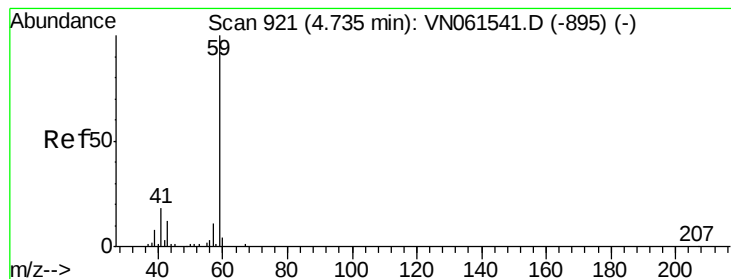
400

200

0

Time-->



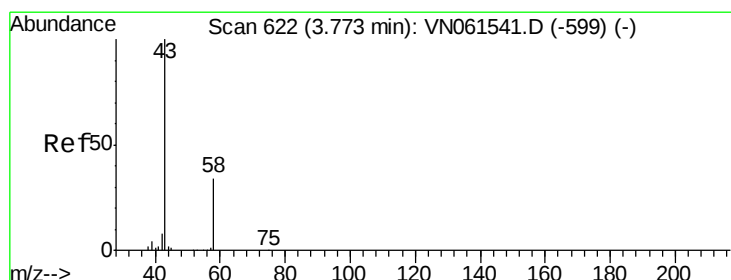
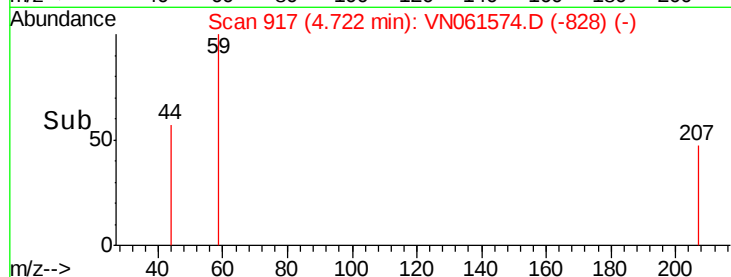
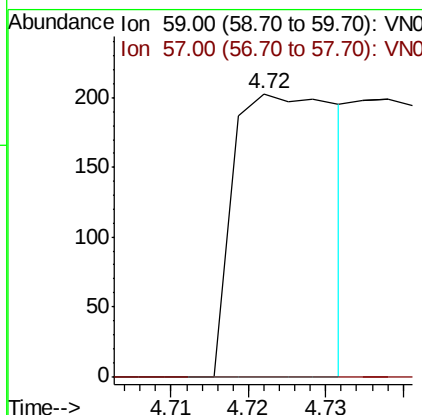
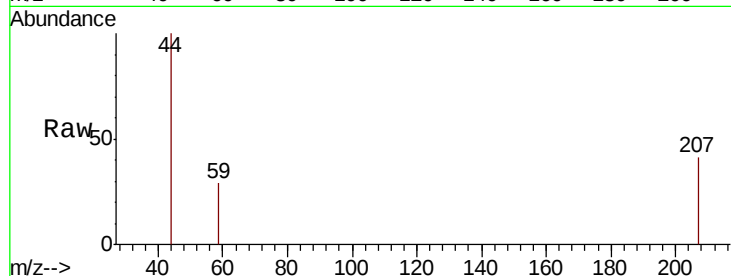


#11

Tert butyl alcohol
 Concen: 0.433 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

Instrument :
 MSVOA_N
 ClientSampleId :

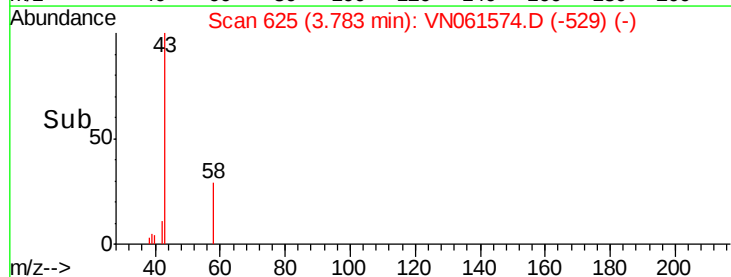
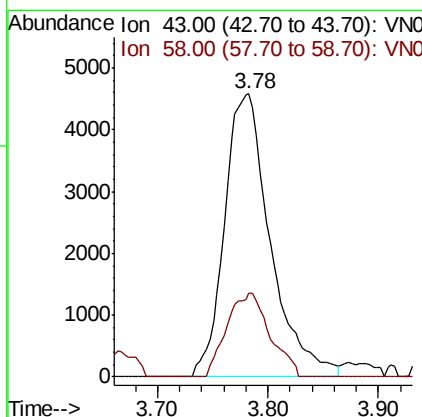
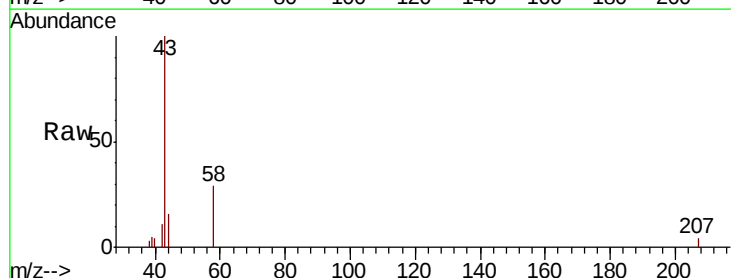
Tot Ion: 59 Resp: 189
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

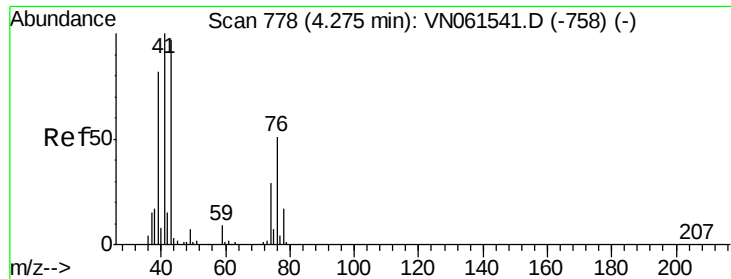


#16

Acetone
 Concen: 8.596 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

Tgt Ion: 43 Resp: 13202
 Ion Ratio Lower Upper
 43 100
 58 29.5 27.2 40.8

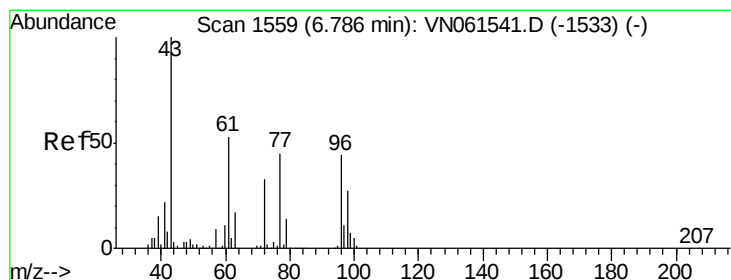
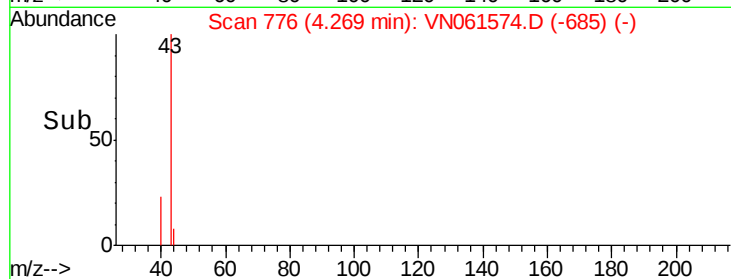
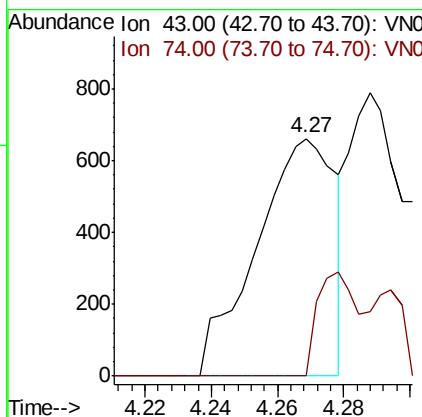
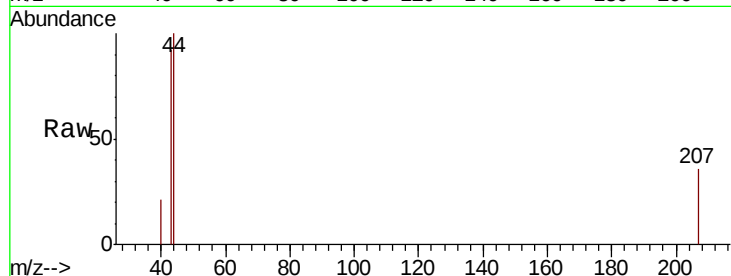




#18
Methyl Acetate
Concen: 0.367 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

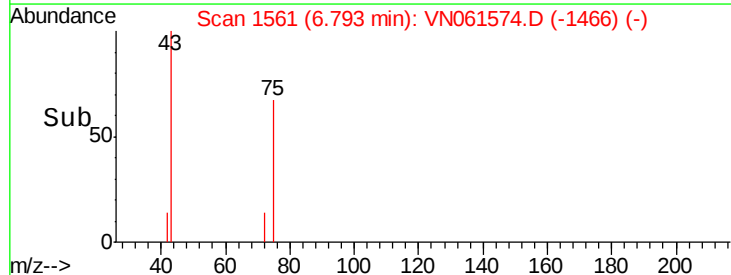
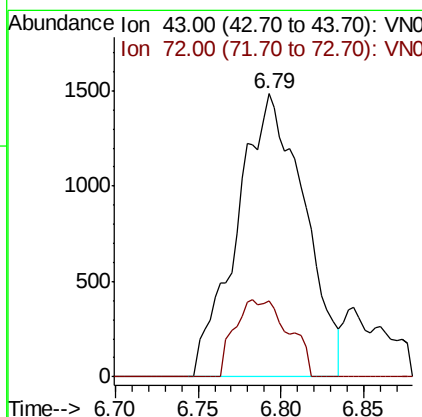
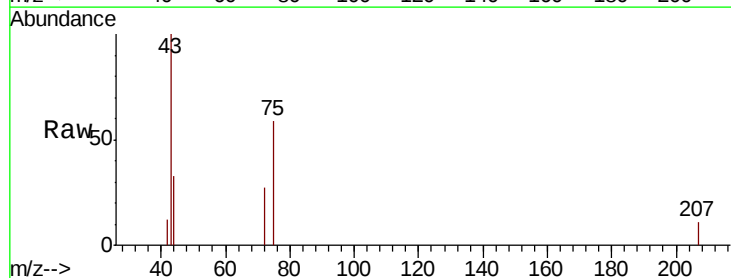
Instrument :
MSVOA_N
ClientSampled :

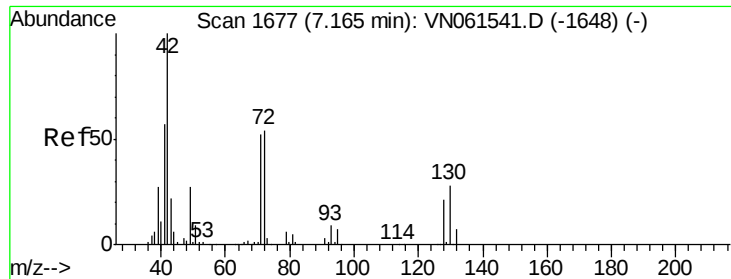
Tot Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
74 20.8 23.2 34.8#



#25
2-Butanone
Concen: 2.689 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

Tgt Ion: 43 Resp: 4186
Ion Ratio Lower Upper
43 100
72 27.0 26.0 39.0

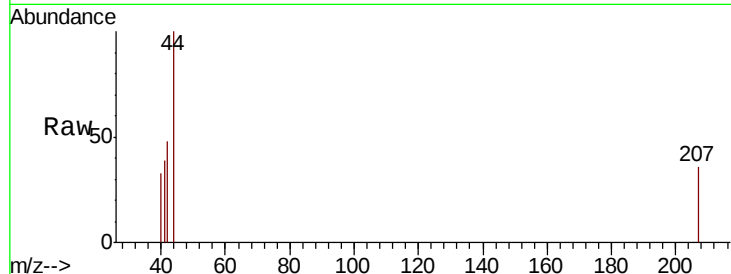




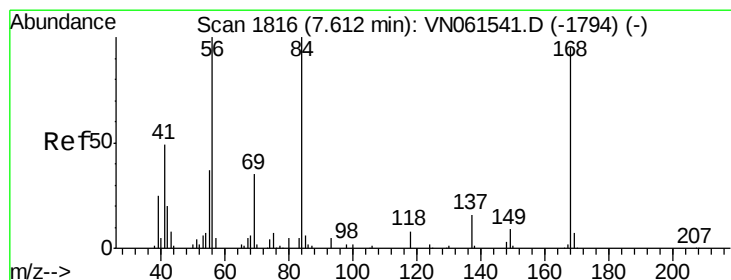
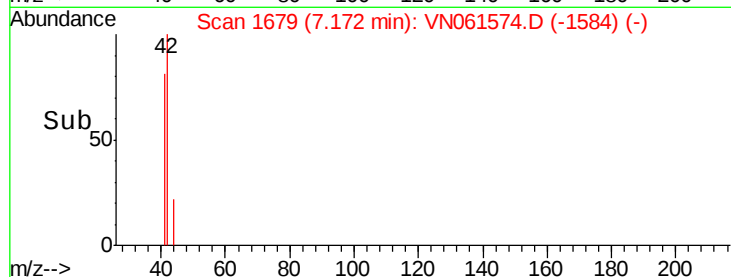
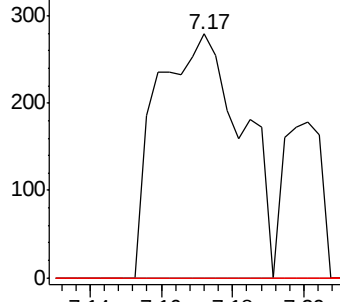
#29
Tetrahydrofuran
Concen: 0.447 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 459
Ion Ratio Lower Upper
42 100
72 0.0 43.6 65.4#
71 0.0 41.2 61.8#

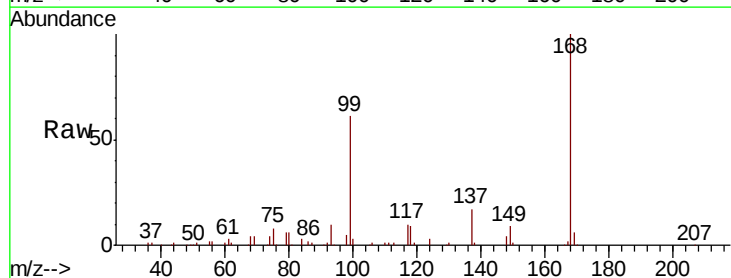


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

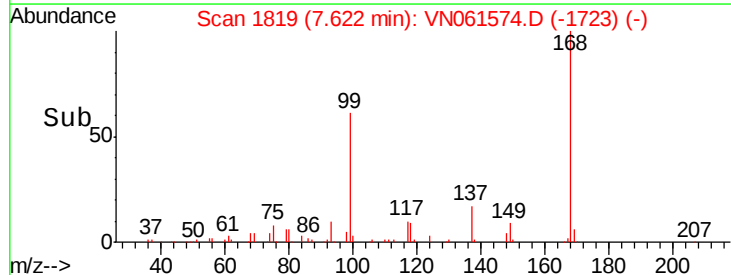
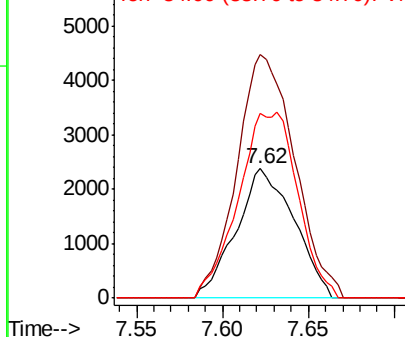


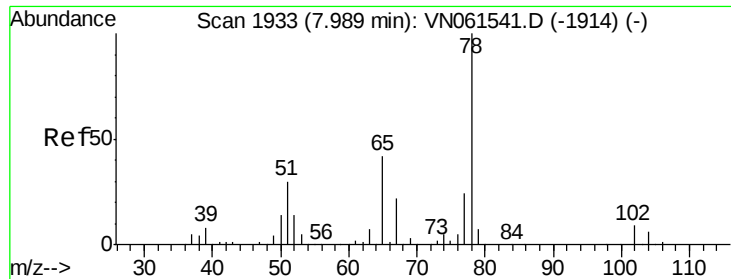
#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

Tgt Ion: 56 Resp: 5567
Ion Ratio Lower Upper
56 100
69 188.2 27.8 41.8#
84 143.2 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

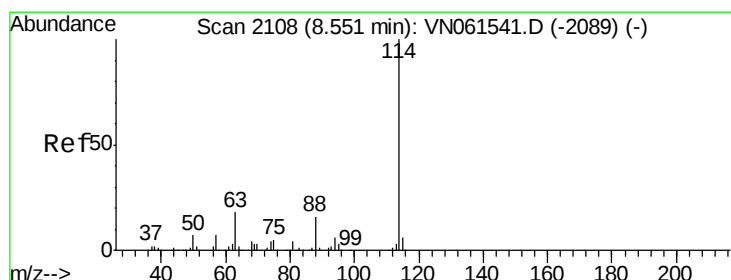
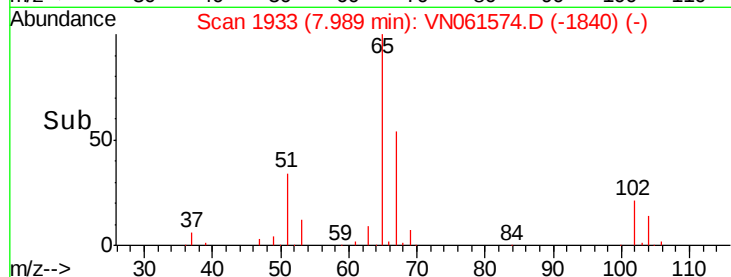
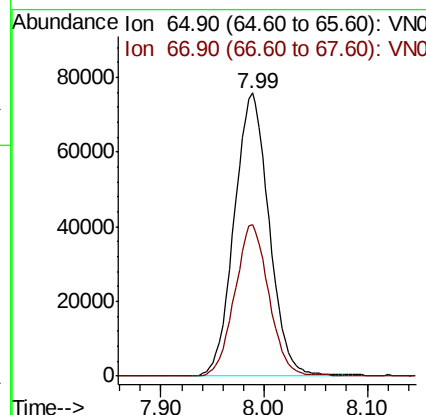
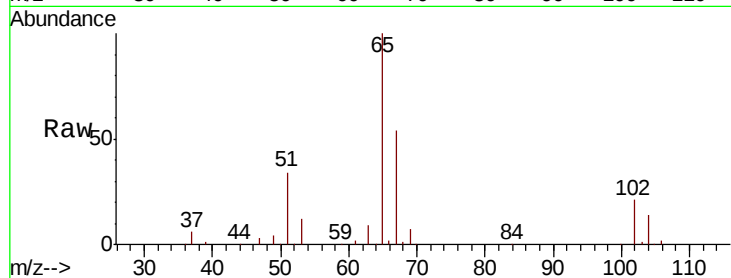




#33
 1,2-Dichloroethane-d4
 Concen: 54.308 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

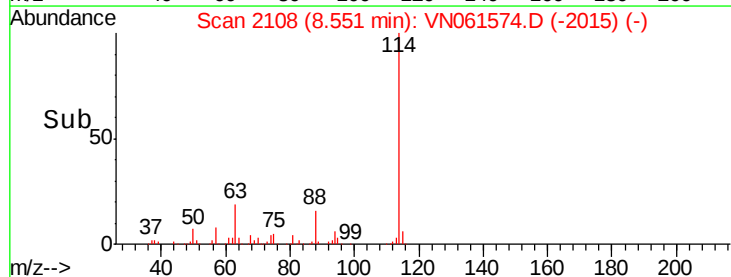
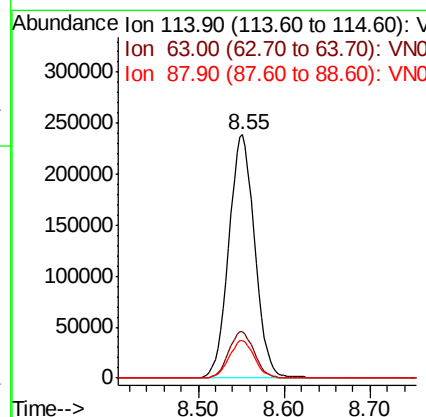
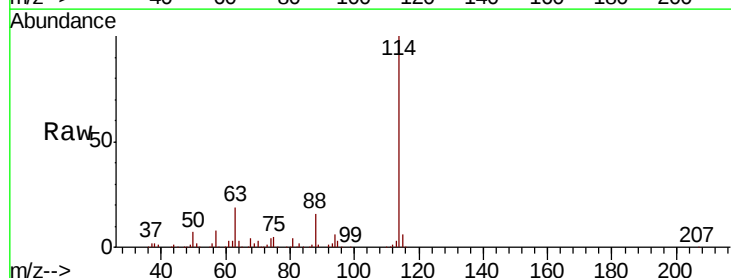
Instrument :
 MSVOA_N
 ClientSampleId :

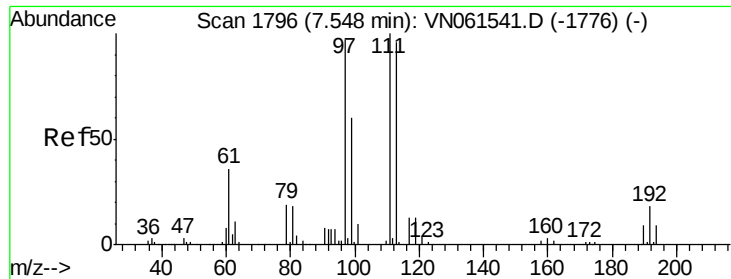
Tot Ion: 65 Resp: 178386
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

Tgt Ion: 114 Resp: 499632
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.8
 88 15.6 0.0 31.0

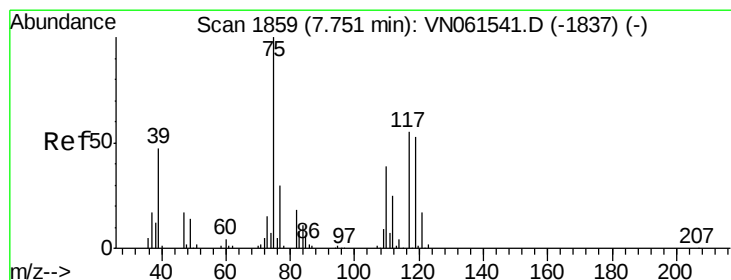
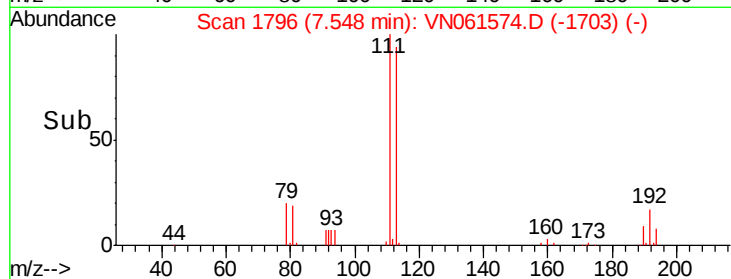
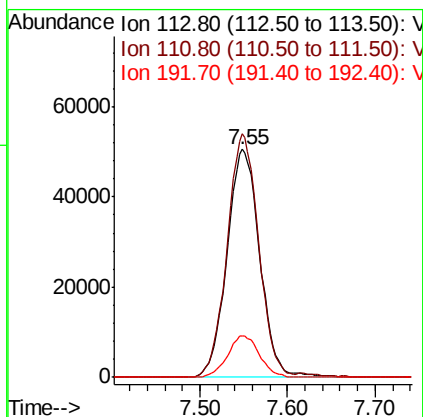
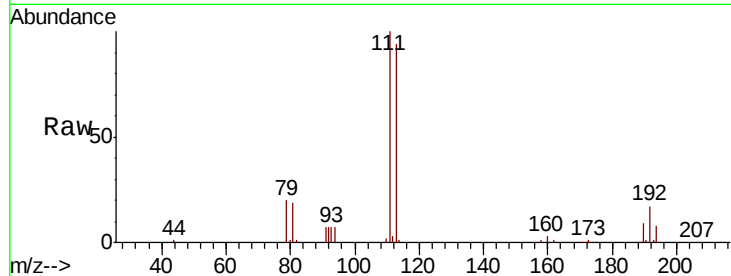




#35
 Dibromofluoromethane
 Concen: 51.773 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

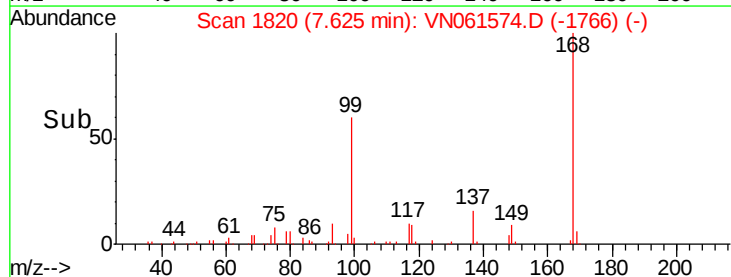
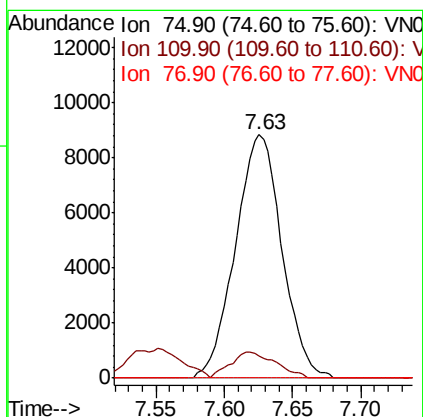
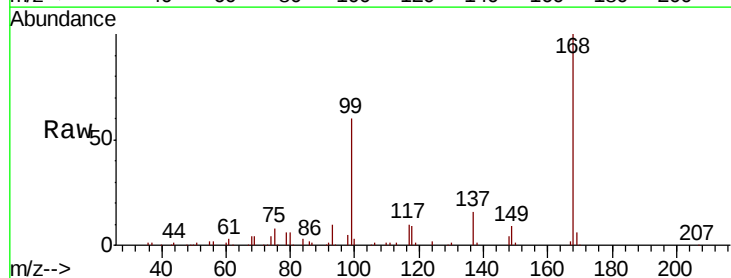
Instrument :
 MSVOA_N
 ClientSampleId :

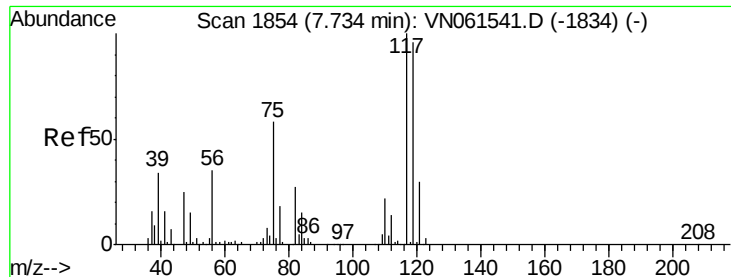
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.0
192	17.7	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.5	58.5#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.652 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

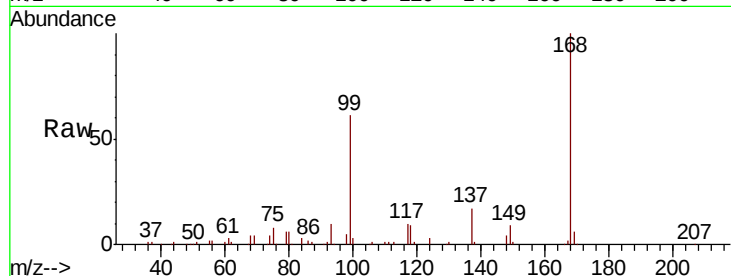
Tot Ion:117 Resp: 28379

Ion Ratio Lower Upper

117 100

119 5.8 76.5 114.7#

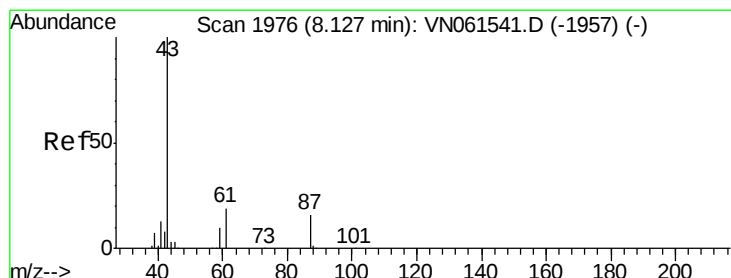
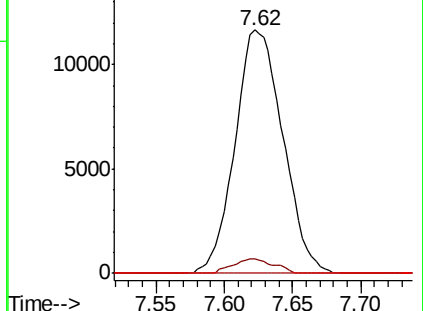
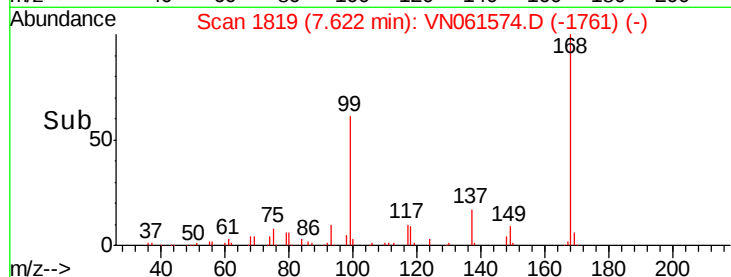
121 0.0 24.1 36.1#



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: 10.373 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

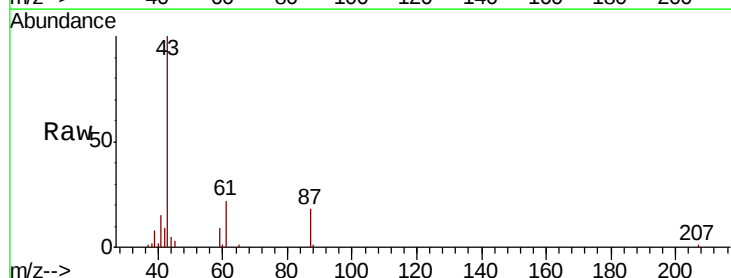
Tgt Ion: 43 Resp: 66482

Ion Ratio Lower Upper

43 100

61 21.9 23.6 35.4#

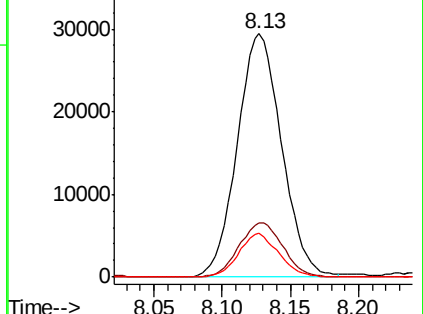
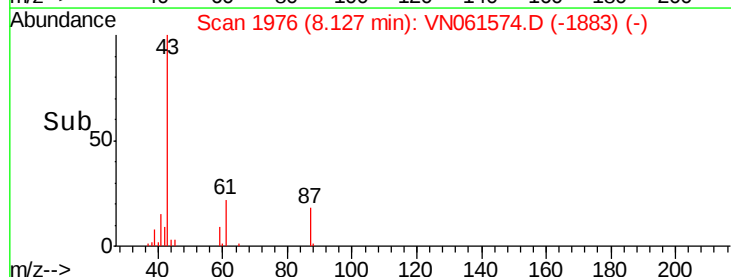
87 16.1 13.0 19.6

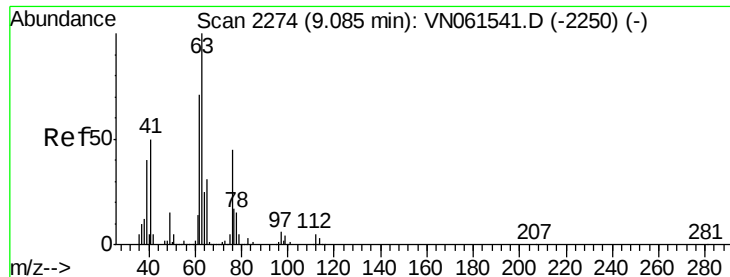


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

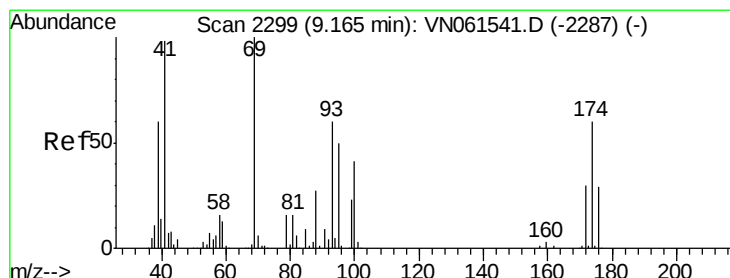
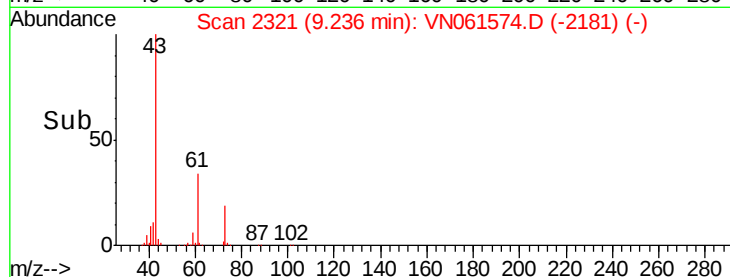
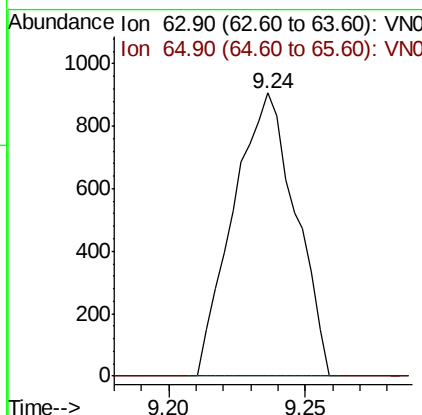
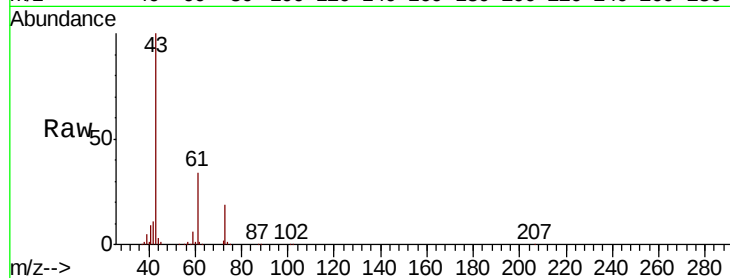




#45
 1,2-Dichloropropane
 Concen: 0.443 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

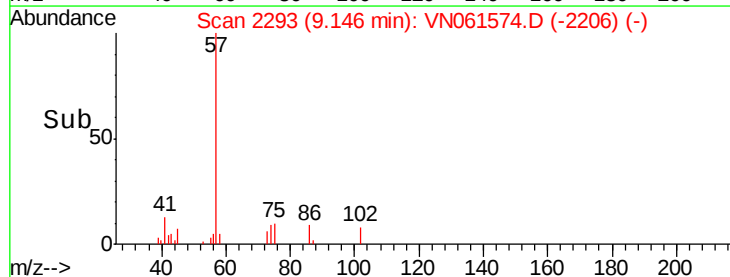
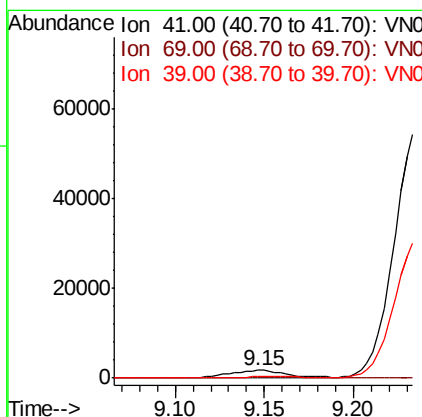
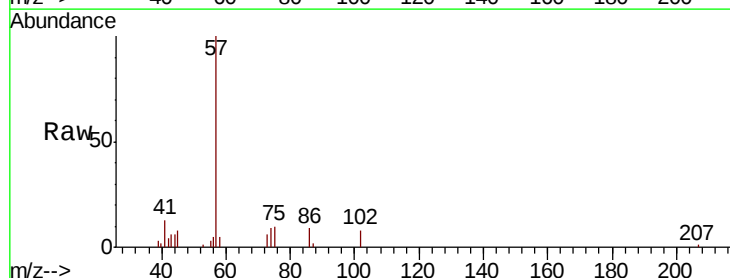
Instrument :
 MSVOA_N
 ClientSampled :

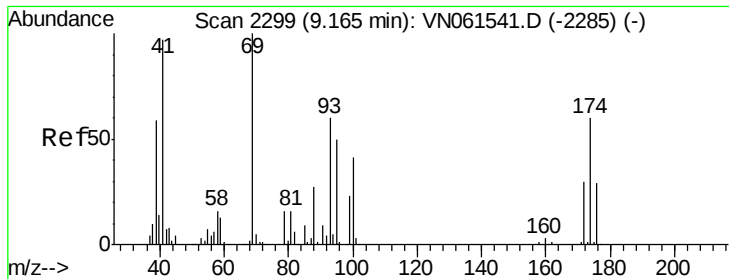
Tot Ion: 63 Resp: 1437
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.356 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN061574.D
 Acq: 29 May 2020 17:56

Tgt Ion: 41 Resp: 3910
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.9 125.9#
 39 0.0 52.1 78.1#





#49

1,4-Dioxane

Concen: 3.850 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.07 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

Instrument :
MSVOA_N
ClientSampleId :

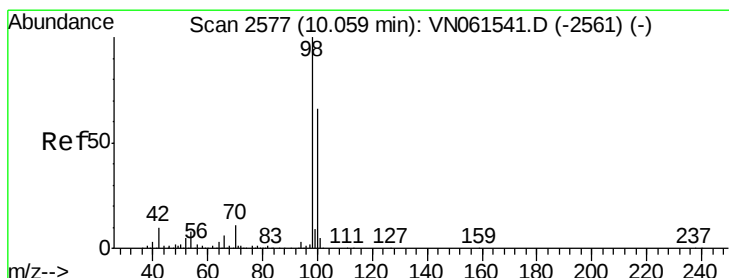
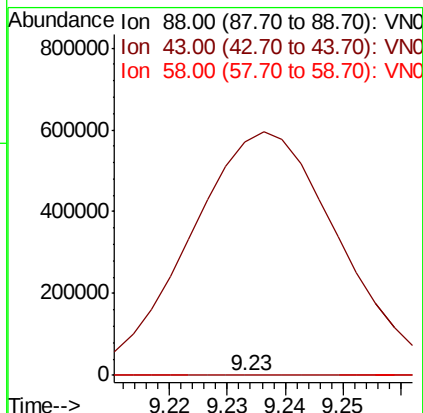
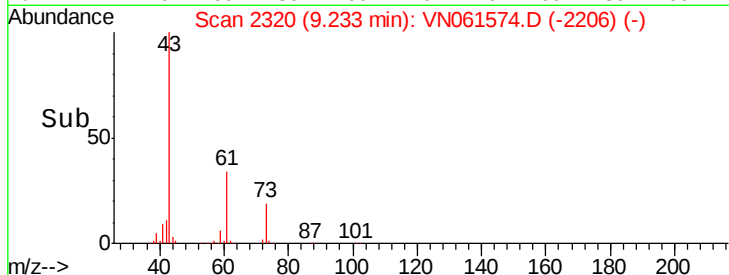
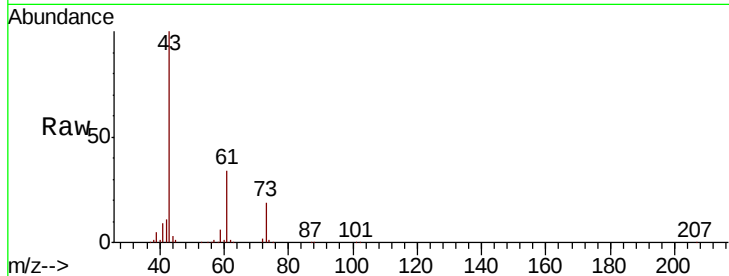
Tot Ion: 88 Resp: 172

Ion Ratio Lower Upper

88 100

43 640157.6 23.1 34.7#

58 2840.1 48.3 72.5#



#50

Toluene-d8

Concen: 53.025 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061574.D

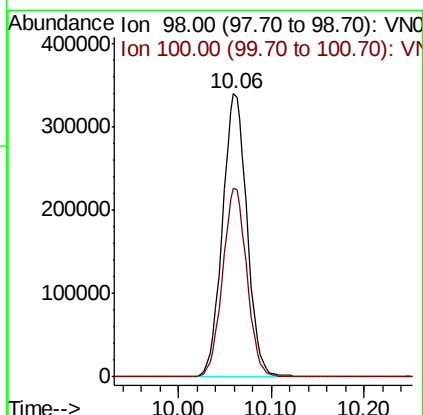
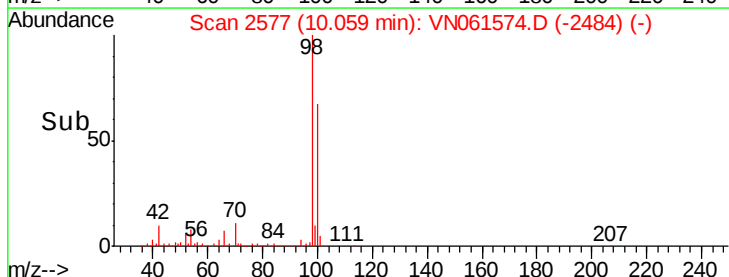
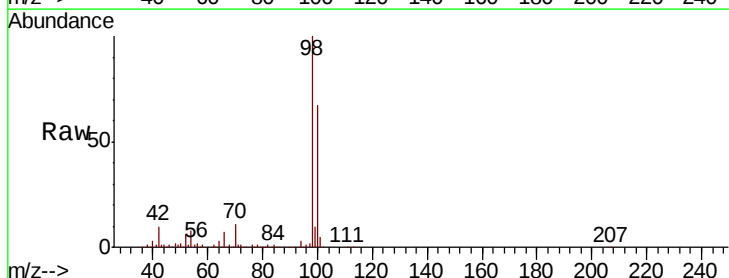
Acq: 29 May 2020 17:56

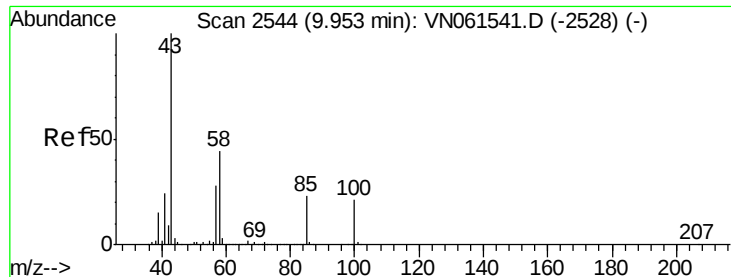
Tgt Ion: 98 Resp: 622796

Ion Ratio Lower Upper

98 100

100 65.9 52.8 79.2

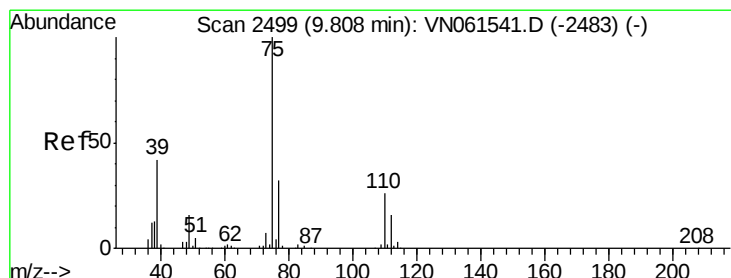
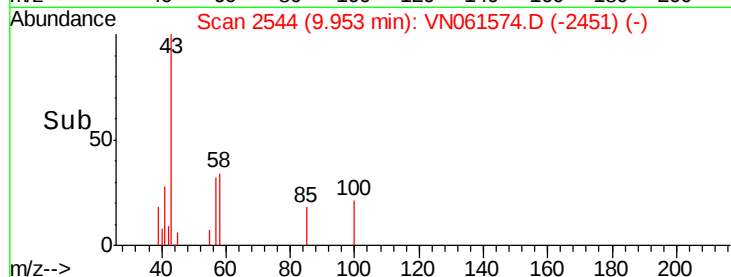
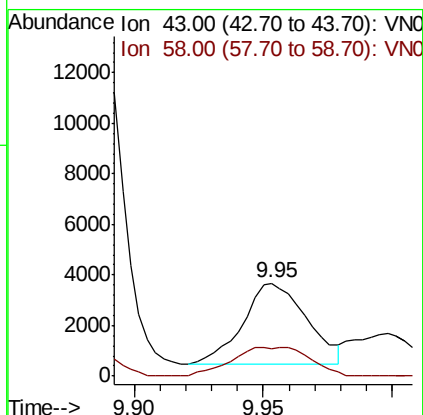
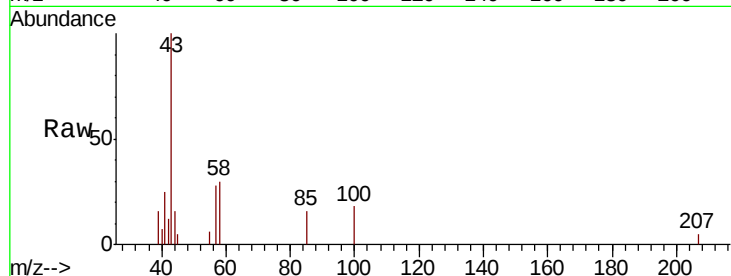




#51
4-Methyl-2-Pentanone
Concen: 1.522 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

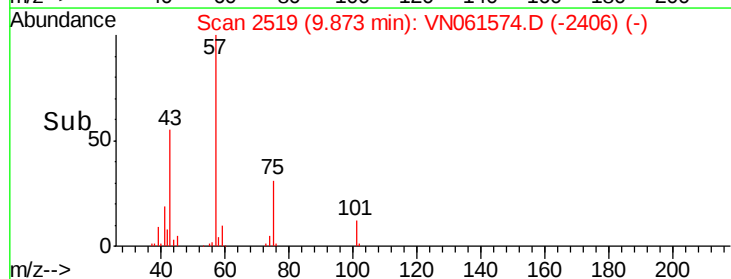
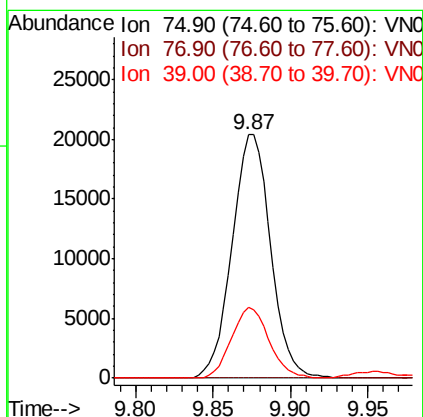
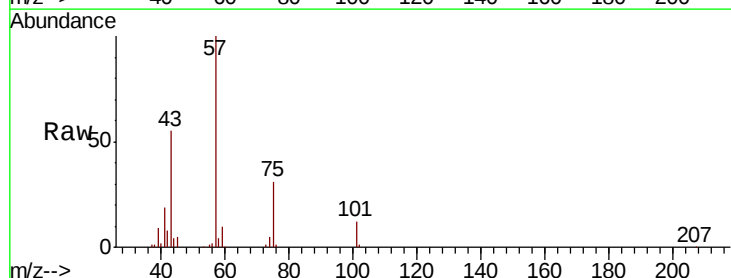
Instrument :
MSVOA_N
ClientSampled :

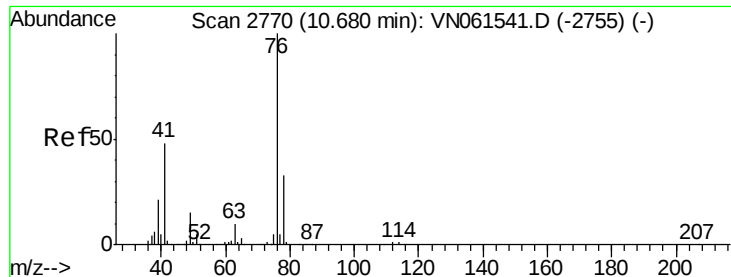
Tot Ion: 43 Resp: 5498
Ion Ratio Lower Upper
43 100
58 43.6 35.0 52.6



#54
cis-1,3-Dichloropropene
Concen: 6.195 ug/l
RT: 9.87 min Scan# 2519
Delta R.T. 0.06 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

Tgt Ion: 75 Resp: 35333
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 28.8 33.8 50.6#





#57

1,3-Dichloropropane

Concen: 1.018 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

Instrument :

MSVOA_N

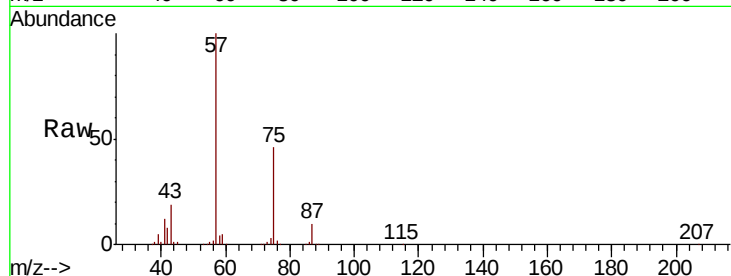
ClientSampled :

Tot Ion: 76 Resp: 5776

Ion Ratio Lower Upper

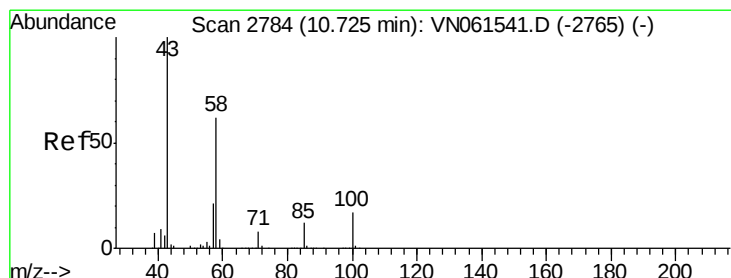
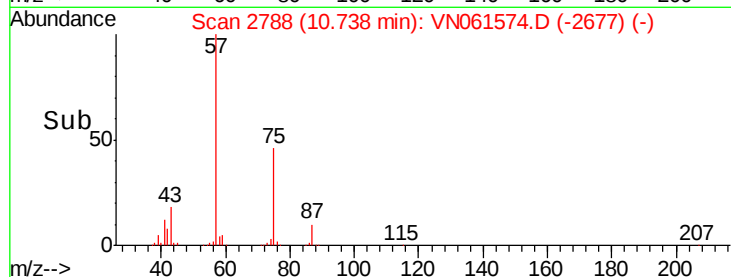
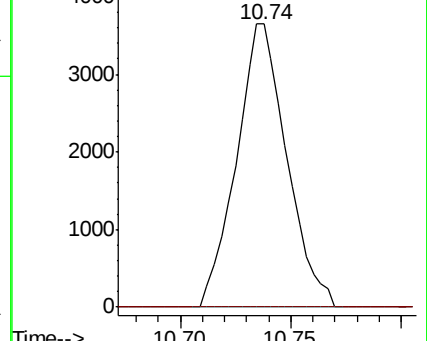
76 100

78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 27.247 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN061574.D

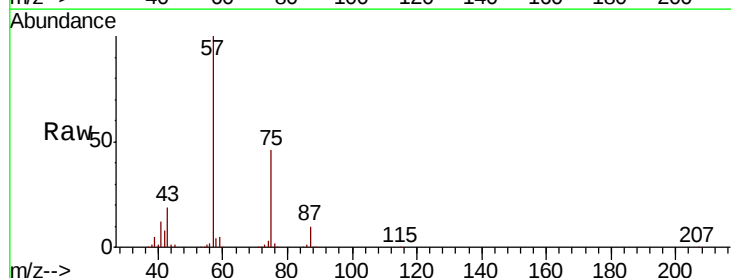
Acq: 29 May 2020 17:56

Tgt Ion: 43 Resp: 70675

Ion Ratio Lower Upper

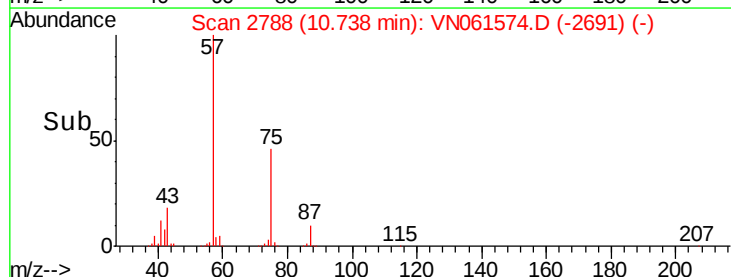
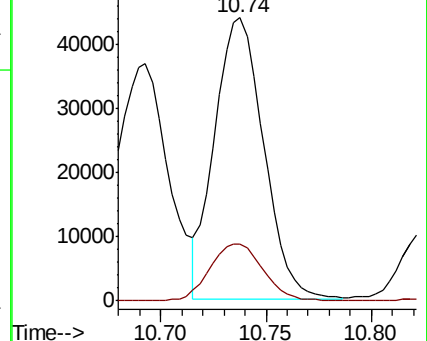
43 100

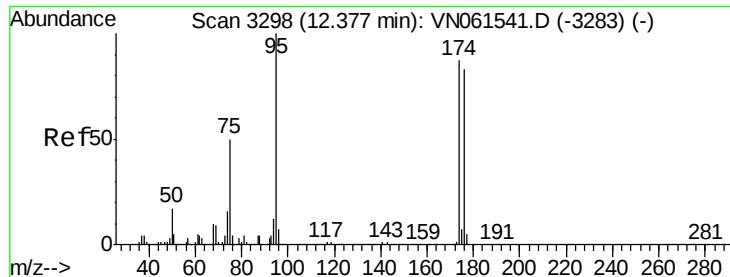
58 22.0 30.7 92.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

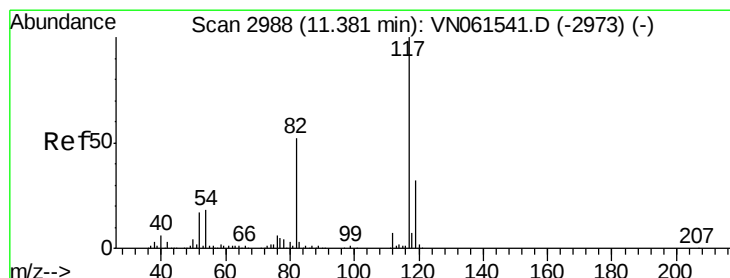
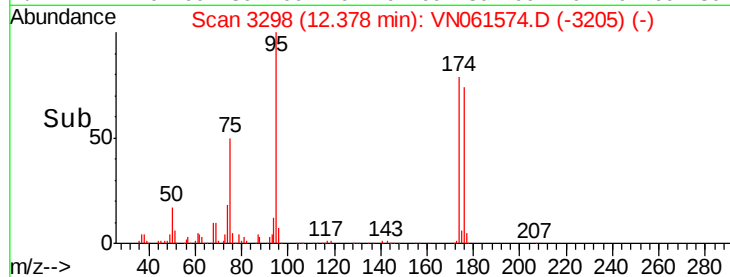
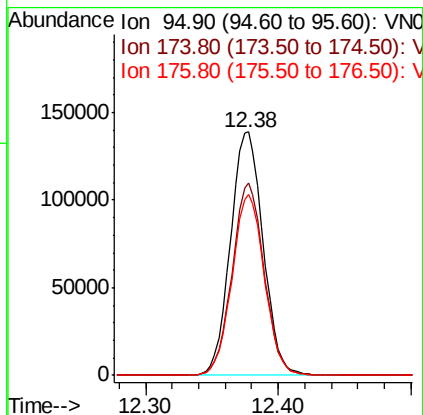
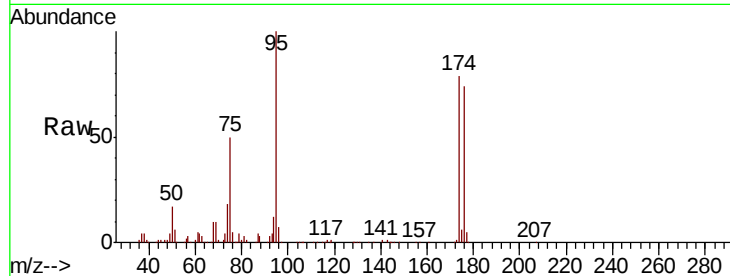




#62
4-Bromofluorobenzene
Concen: 55.299 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

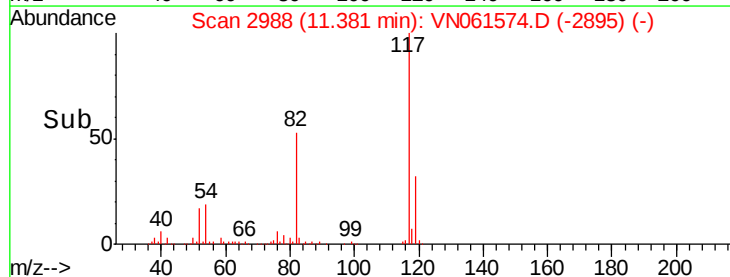
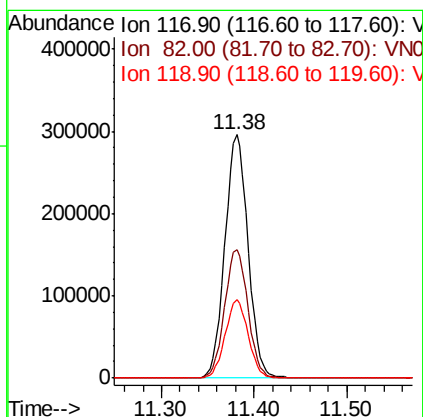
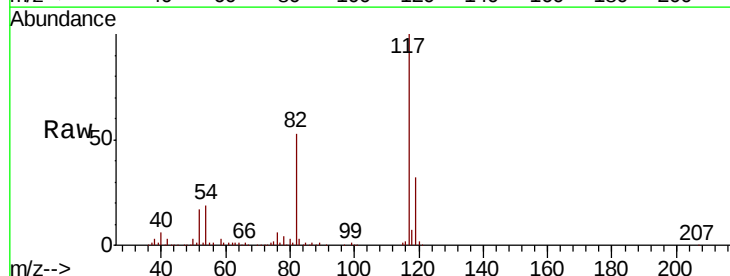
Instrument :
MSVOA_N
ClientSampleId :

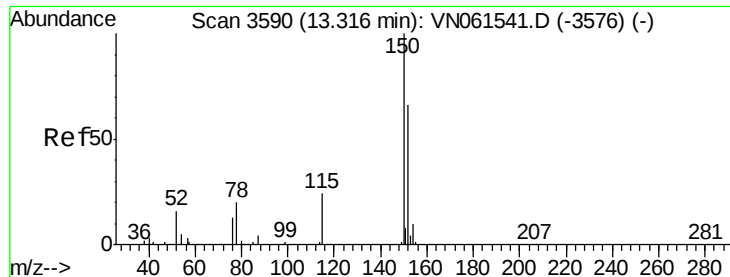
Tot Ion	95	Resp	236964
Ion Ratio	Lower	Upper	
95	100		
174	77.4	0.0	172.8
176	73.7	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061574.D
Acq: 29 May 2020 17:56

Tgt Ion	117	Resp	511702
Ion Ratio	Lower	Upper	
117	100		
82	53.0	41.5	62.3
119	32.1	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

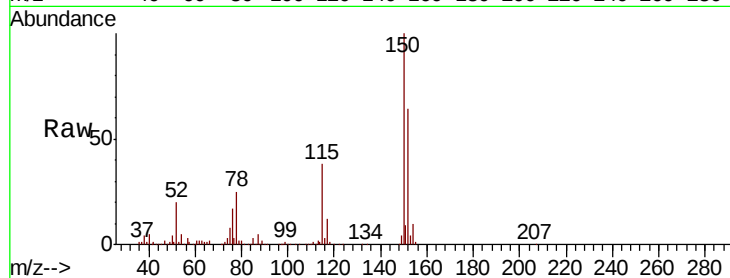
Tot Ion:152 Resp: 231466

Ion Ratio Lower Upper

152 100

115 59.4 28.0 84.0

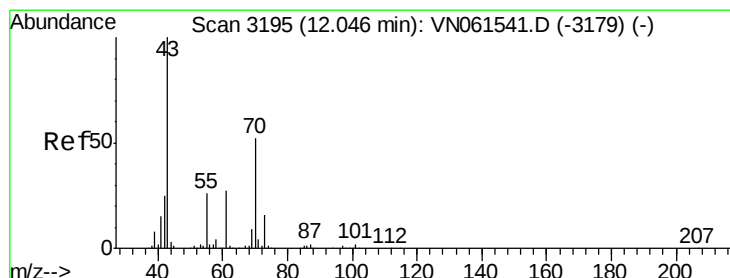
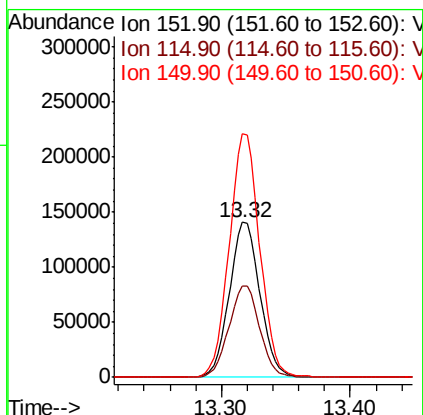
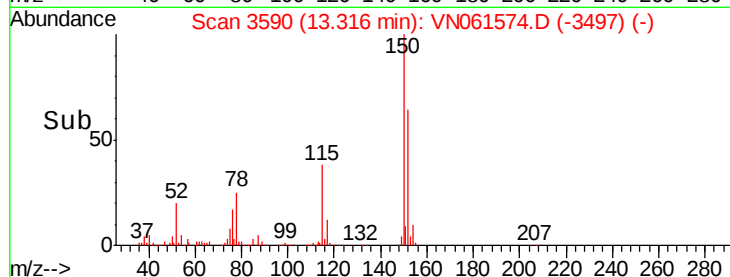
150 156.8 0.0 344.0



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: 0.456 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

Tgt Ion: 43 Resp: 2426

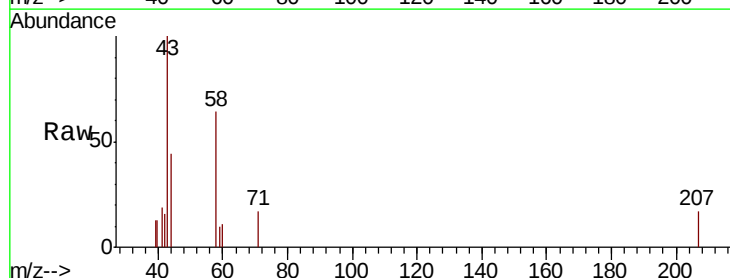
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 2.6 20.6 31.0#

61 0.0 21.8 32.6#

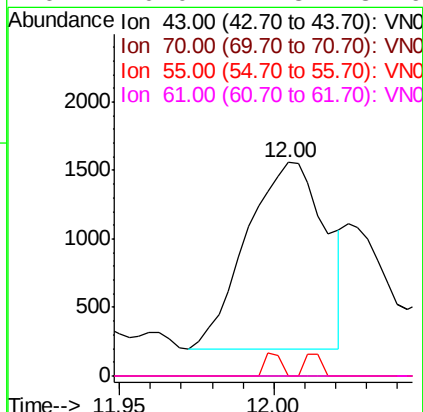
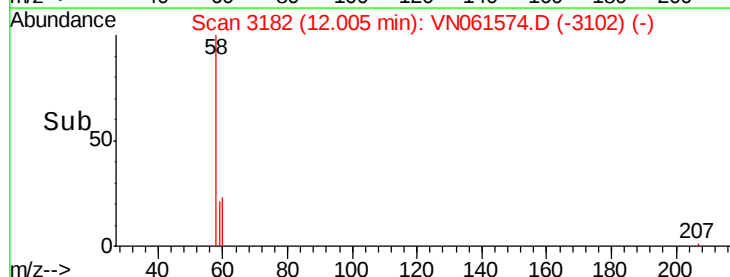


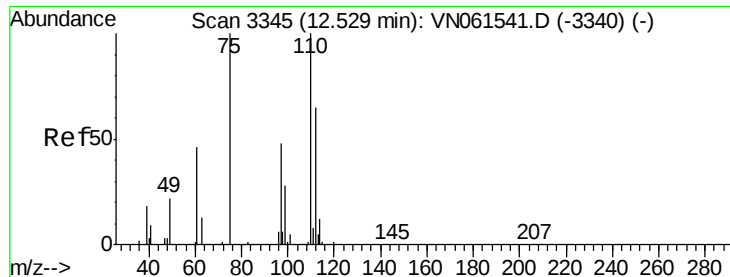
Abundance Ion 43.00 (42.70 to 43.70): V

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: 27.883 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

Instrument :

MSVOA_N

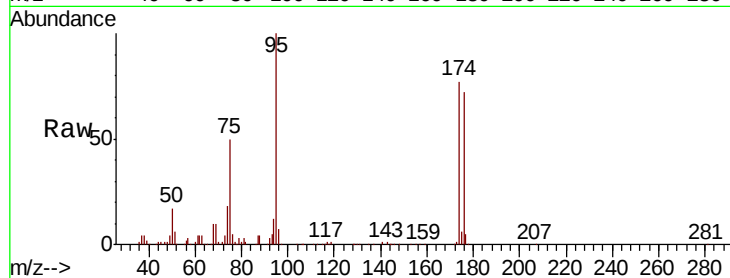
ClientSampleId :

Tot Ion: 75 Resp: 117358

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061574.D (-3297) (-)

Ion 77.00 (76.70 to 77.70): VN061574.D (-3297) (-)

12.37

80000

60000

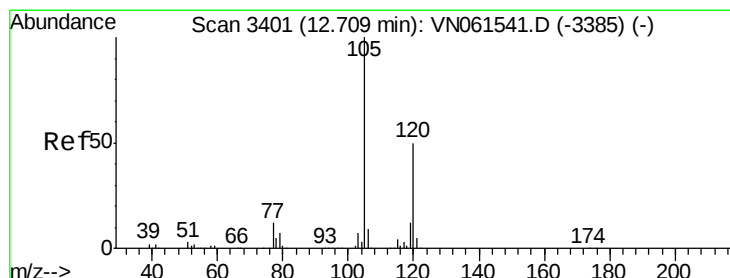
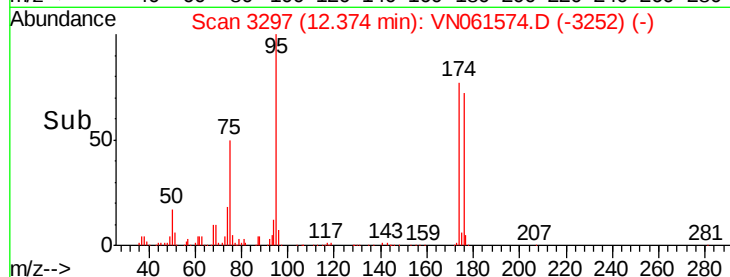
40000

20000

0

Time-->

12.30 12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061574.D

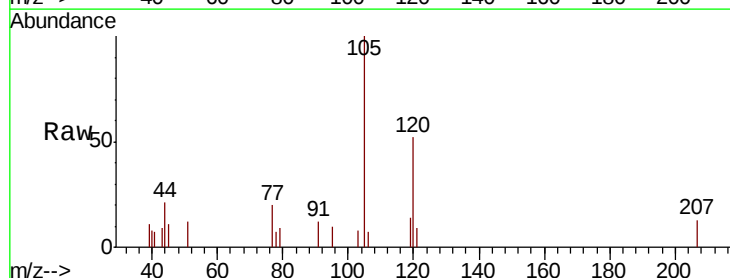
Acq: 29 May 2020 17:56

Tgt Ion:105 Resp: 3663

Ion Ratio Lower Upper

105 100

120 56.3 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061574.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061574.D (-3401) (-)

12.71

2500

2000

1500

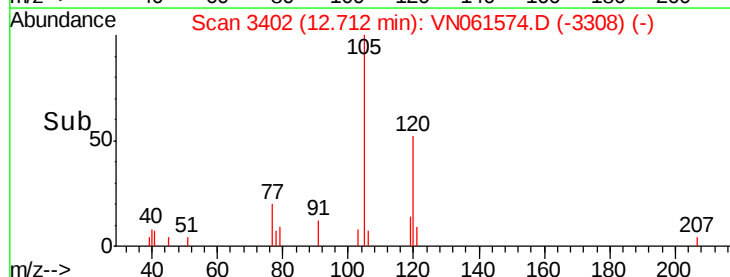
1000

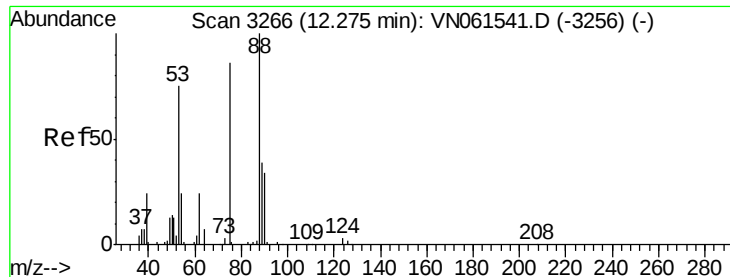
500

0

Time-->

12.65 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 71.304 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061574.D

Acq: 29 May 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

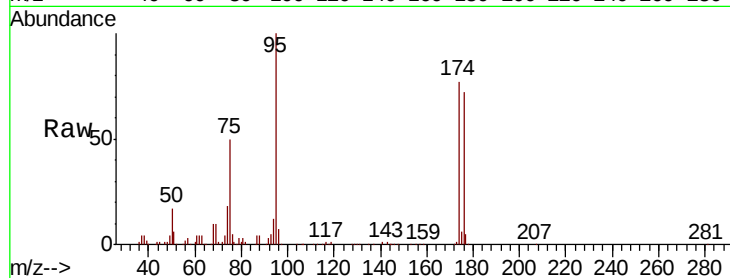
Tot Ion: 75 Resp: 117358

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

