

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060967.D
 Acq On : 15 Apr 2020 17:22
 Operator : JC/MD
 Sample : L2245-29
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:36:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	136768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	234992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	222065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	96682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	91481	48.72	ug/l	0.00
Spiked Amount						
			Recovery	=	97.44%	
35) Dibromofluoromethane	7.56	113	69602	48.98	ug/l	0.00
Spiked Amount						
			Recovery	=	97.96%	
50) Toluene-d8	10.08	98	291466	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	110013	51.72	ug/l	0.00
Spiked Amount						
			Recovery	=	103.44%	

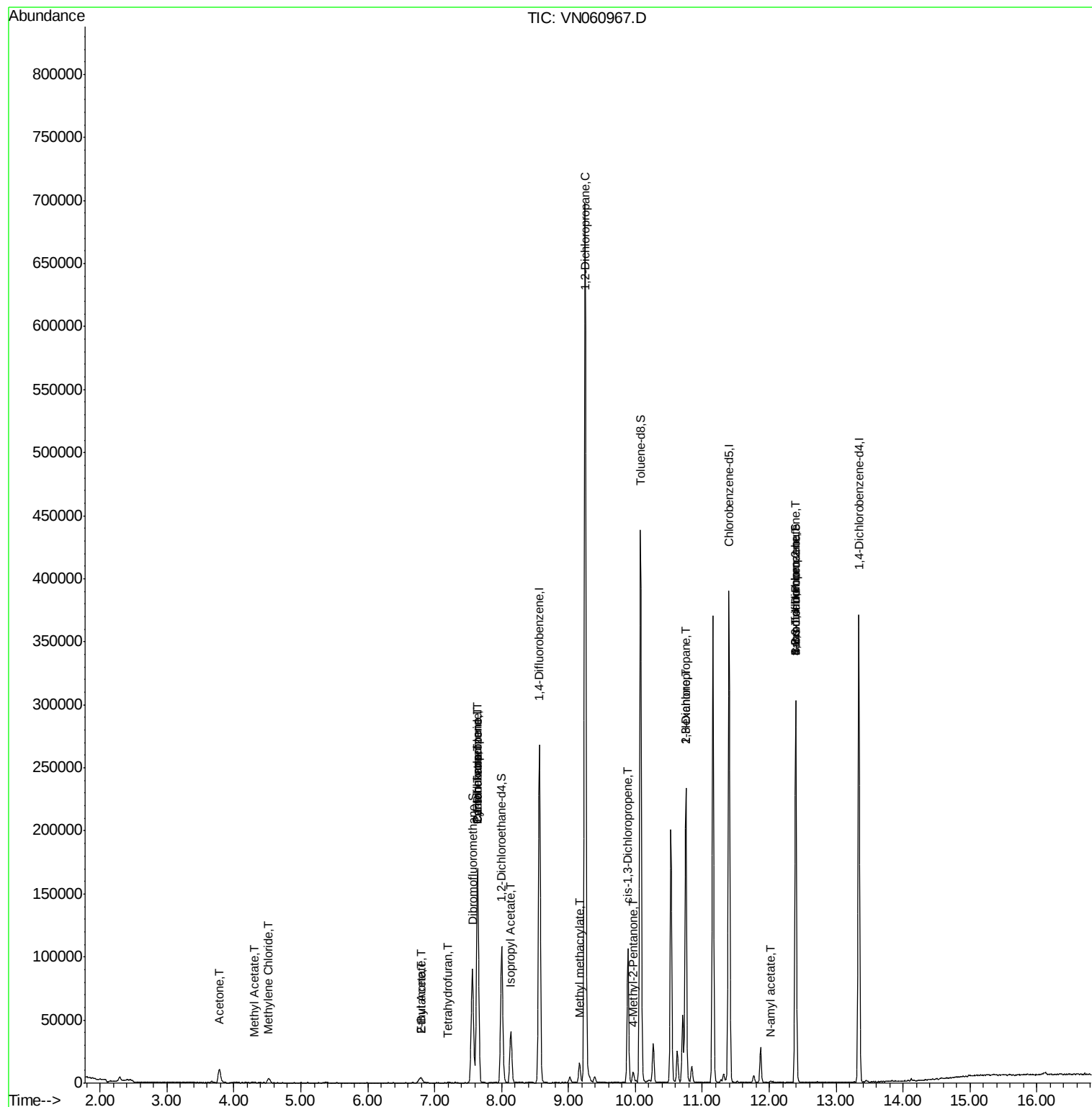
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	19656	29.556	ug/l	97
18) Methyl Acetate	4.30	43	1498	0.800	ug/l #	54
20) Methylene Chloride	4.53	84	2786	1.703	ug/l	97
25) 2-Butanone	6.81	43	5874	5.458	ug/l	91
29) Tetrahydrofuran	7.18	42	349	0.458	ug/l #	35
31) Cyclohexane	7.64	56	2866	0.948	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11220	4.931	ug/l #	48
37) Ethyl Acetate	6.81	43	5874	2.389	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13306	6.525	ug/l #	16
43) Isopropyl Acetate	8.14	43	49062	12.100	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	767	0.423	ug/l #	43
48) Methyl methacrylate	9.16	41	2478	1.373	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	6506	2.820	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	18781	6.545	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2198	0.794	ug/l #	42
59) 2-Hexanone	10.75	43	35705	21.482	ug/l #	51
71) Bromoform	12.39	173	221	1.842	ug/l #	1
74) N-amyl acetate	12.02	43	1161	0.346	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	54953	26.341	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54953	67.652	ug/l #	13

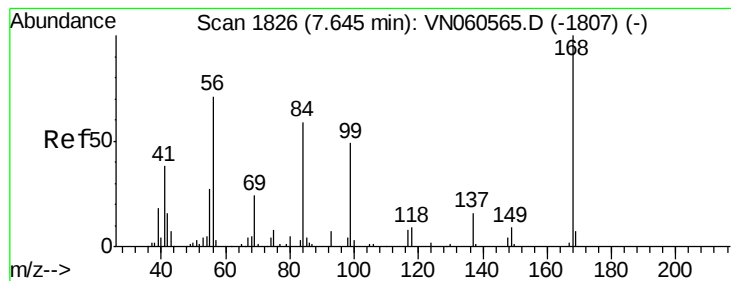
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
Data File : VN060967.D
Acq On : 15 Apr 2020 17:22
Operator : JC/MD
Sample : L2245-29
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 16 06:36:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

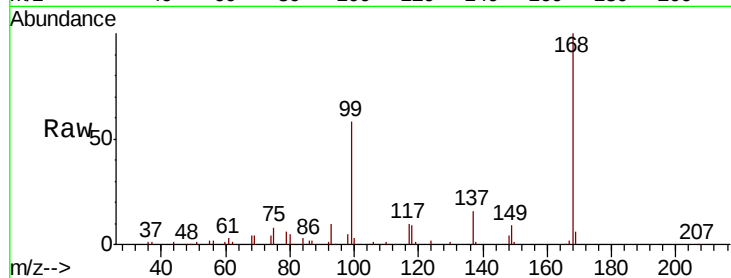
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 136768

Ion Ratio Lower Upper

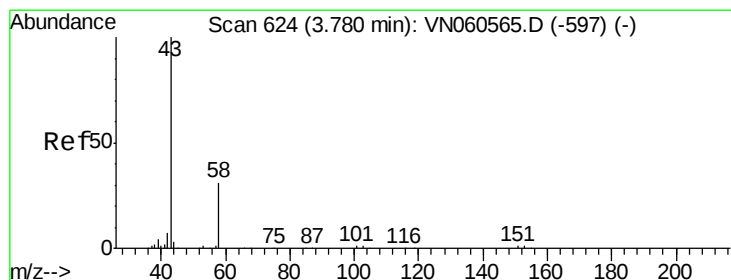
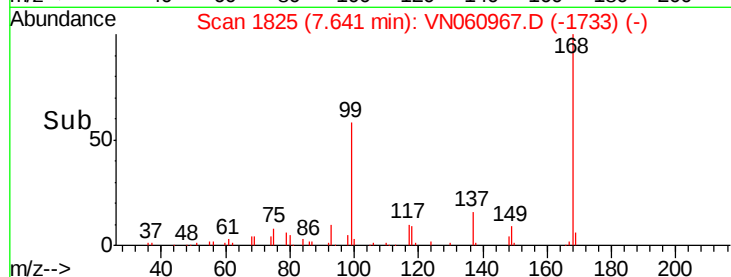
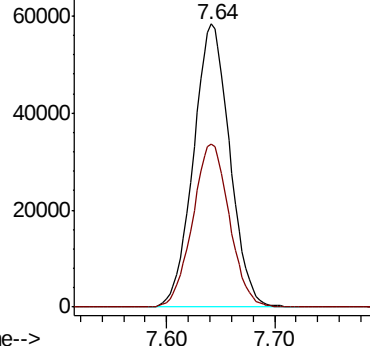
168 100

99 57.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 29.556 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060967.D

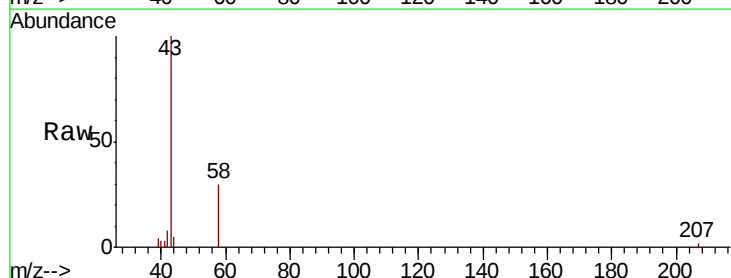
Acq: 15 Apr 2020 17:22

Tgt Ion: 43 Resp: 19656

Ion Ratio Lower Upper

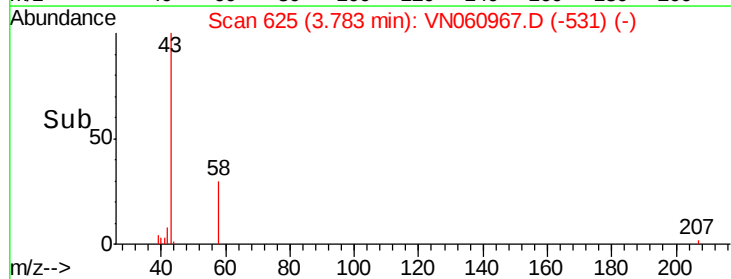
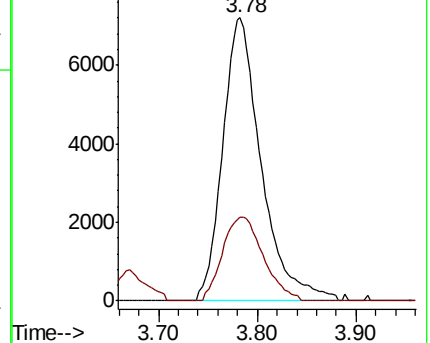
43 100

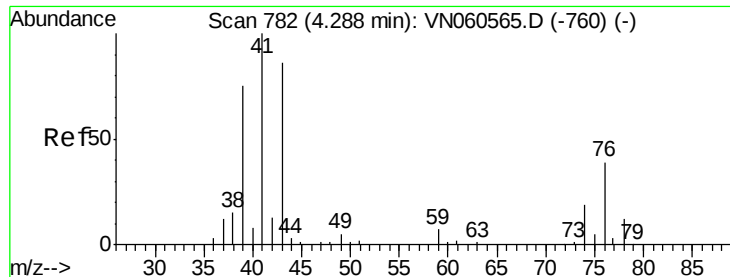
58 29.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

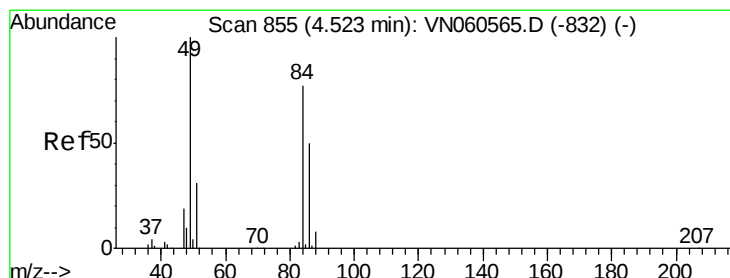
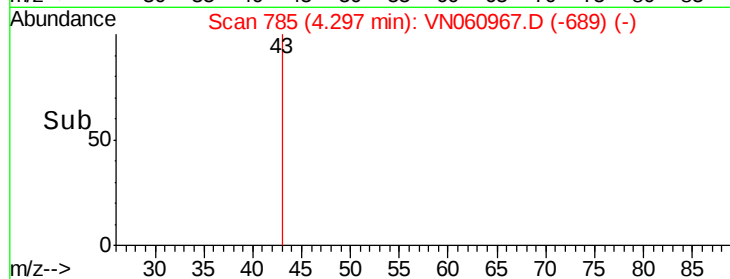
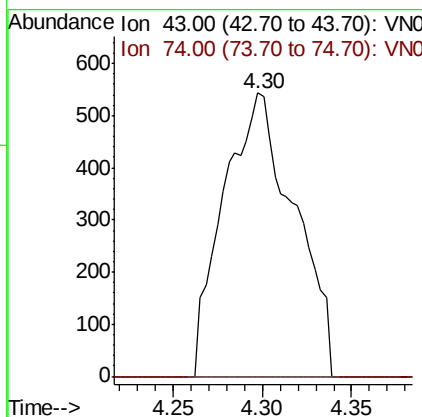
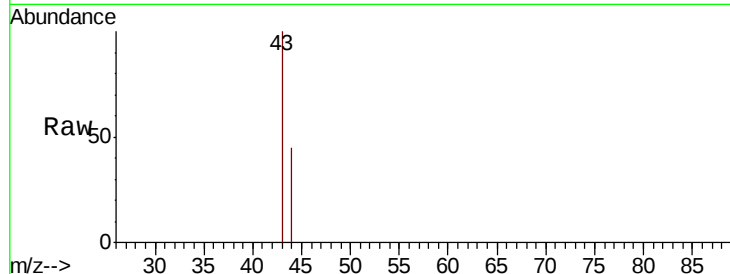




#18
Methyl Acetate
Concen: 0.800 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

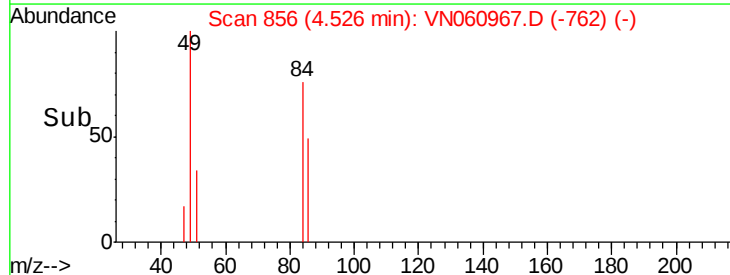
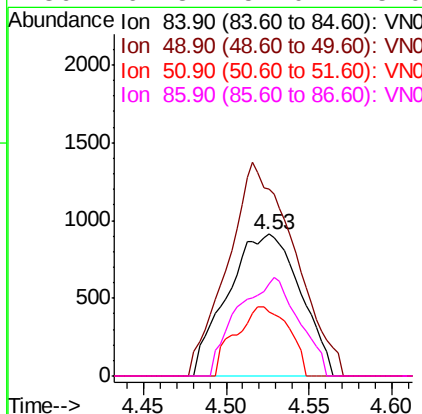
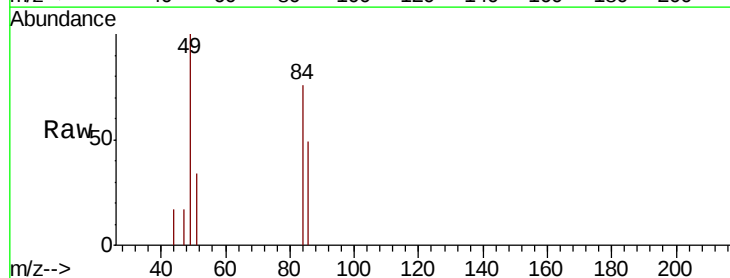
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.703 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

Tgt Ion: 84 Resp: 2786
Ion Ratio Lower Upper
84 100
49 132.0 103.3 154.9
51 45.5 31.6 47.4
86 64.8 52.0 78.0

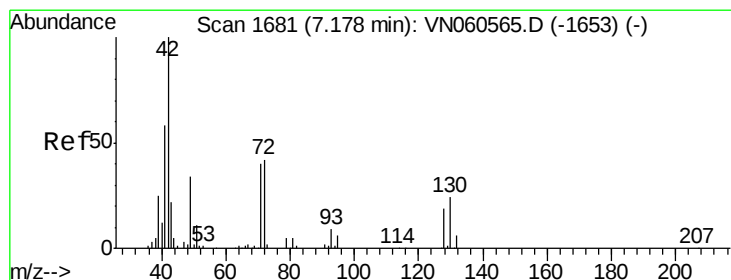
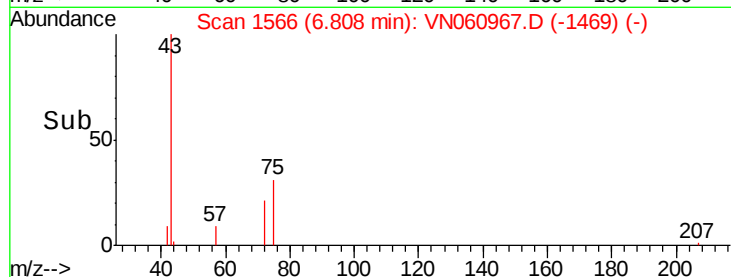
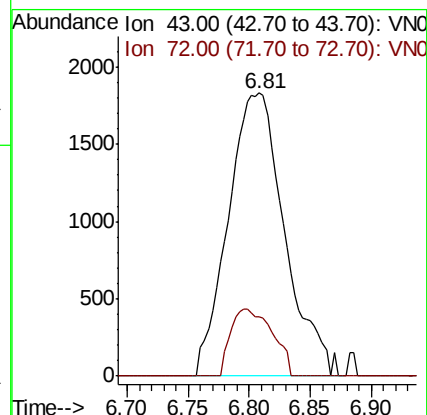
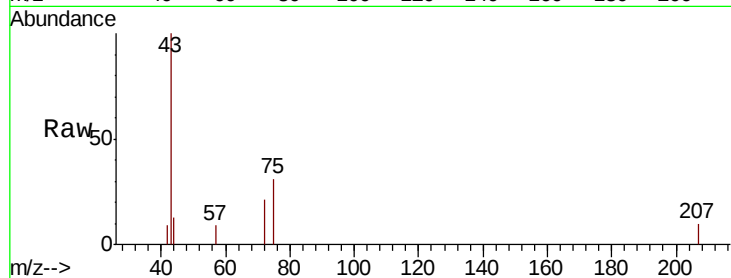




#25
2-Butanone
Concen: 5.458 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

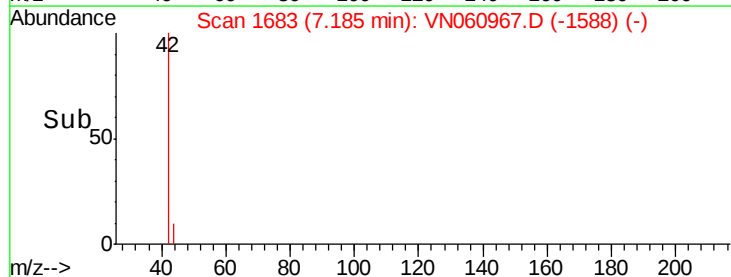
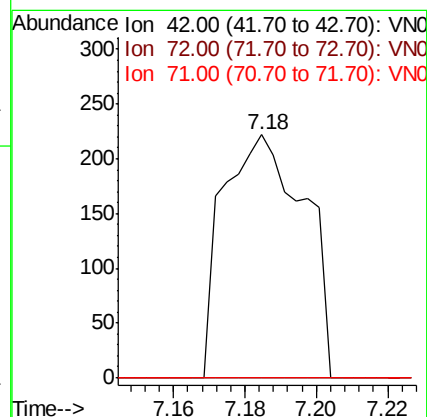
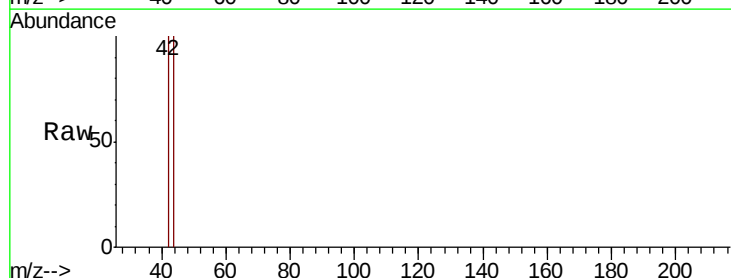
Instrument :
MSVOA_N
ClientSampleId :

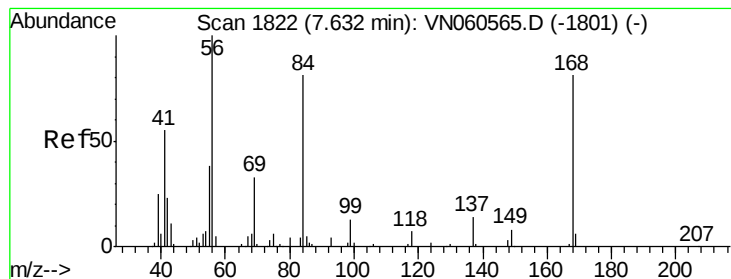
Tot Ion: 43 Resp: 5874
Ion Ratio Lower Upper
43 100
72 21.0 20.4 30.6



#29
Tetrahydrofuran
Concen: 0.458 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

Tgt Ion: 42 Resp: 349
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#





#31

Cyclohexane

Concen: 0.948 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampled :

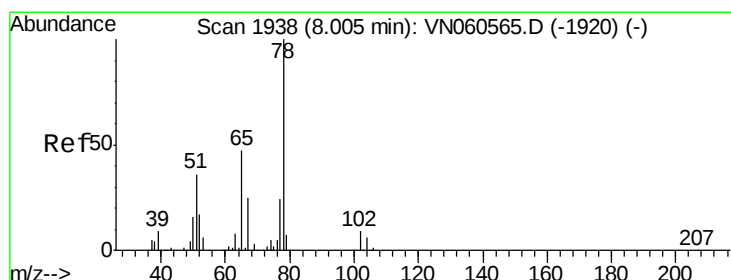
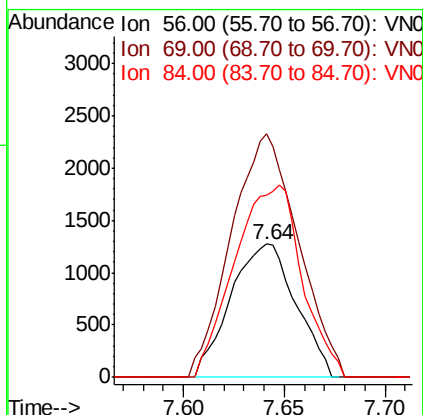
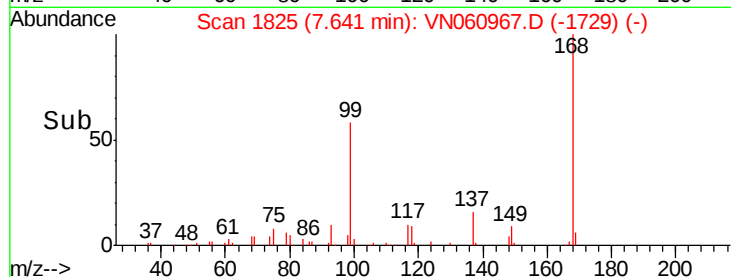
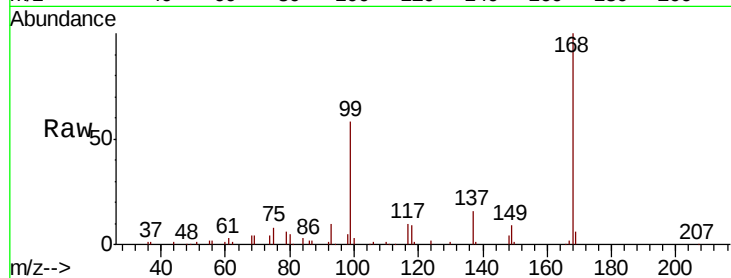
Tot Ion: 56 Resp: 2866

Ion Ratio Lower Upper

56 100

69 183.0 26.6 40.0#

84 137.0 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 48.725 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060967.D

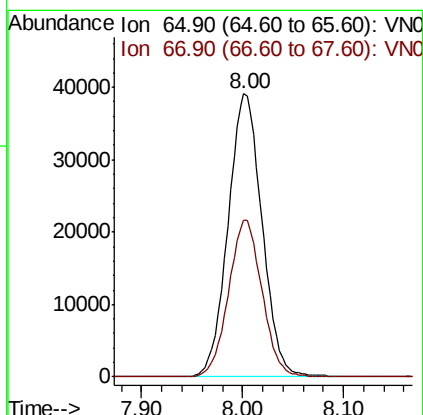
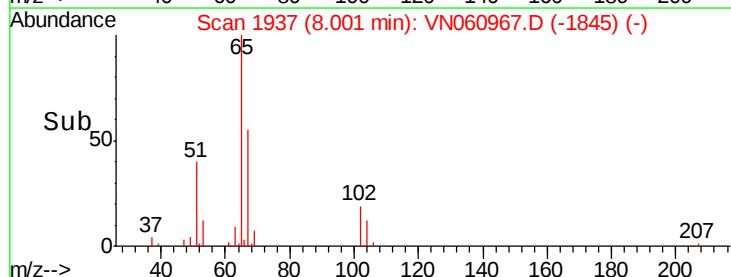
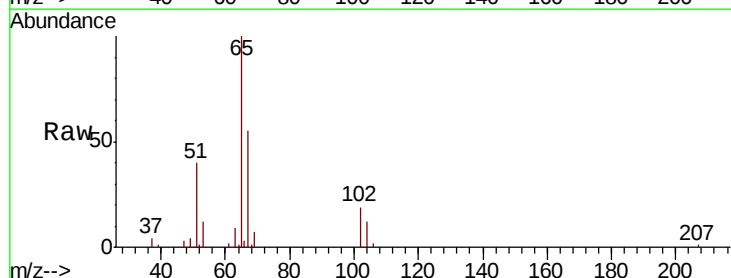
Acq: 15 Apr 2020 17:22

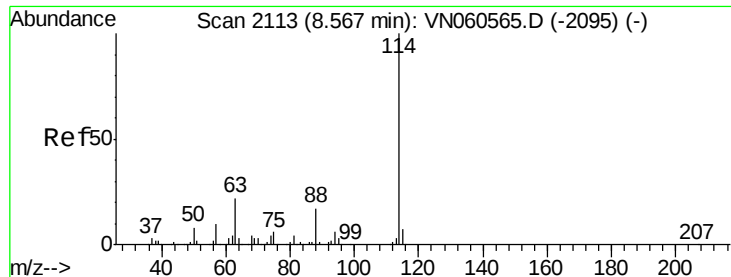
Tgt Ion: 65 Resp: 91481

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

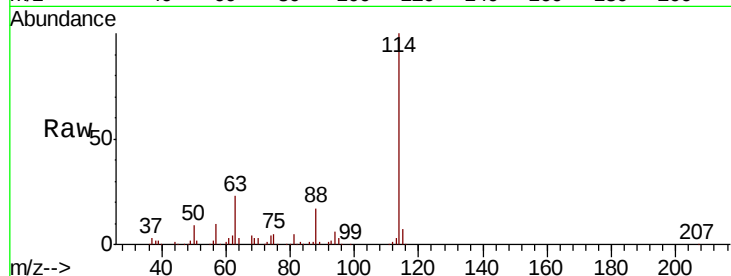
Tot Ion:114 Resp: 234992

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

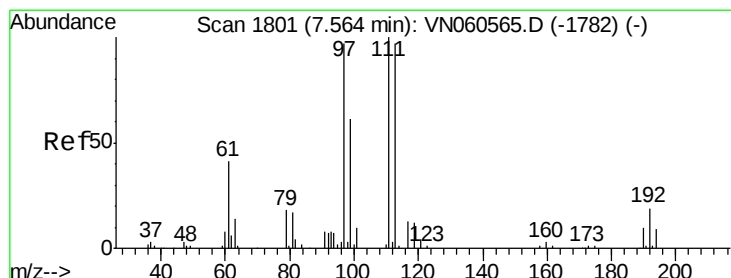
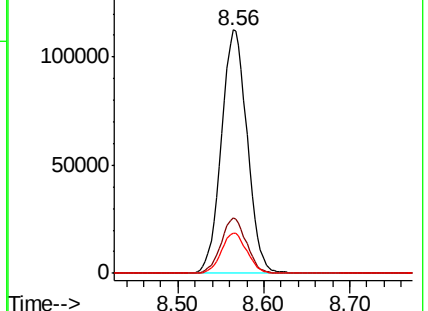
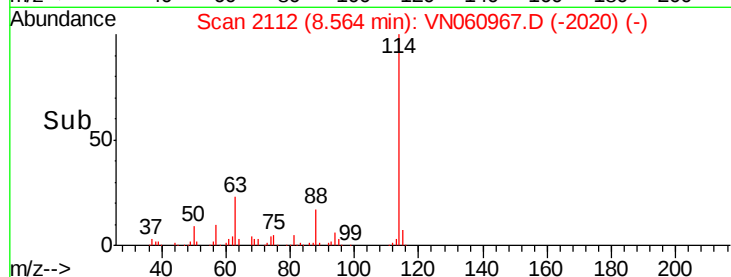
88 16.5 0.0 33.0



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: 48.984 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

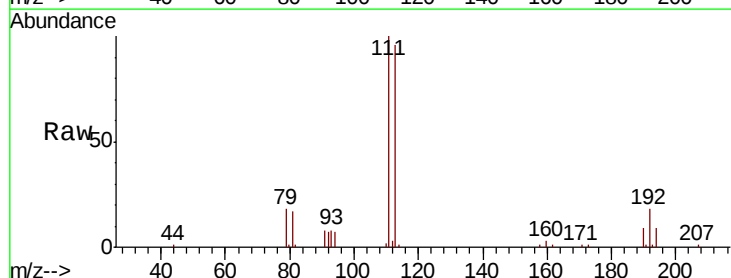
Tgt Ion:113 Resp: 69602

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

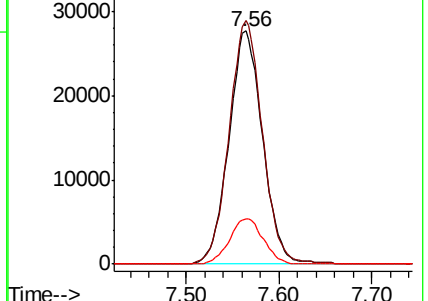
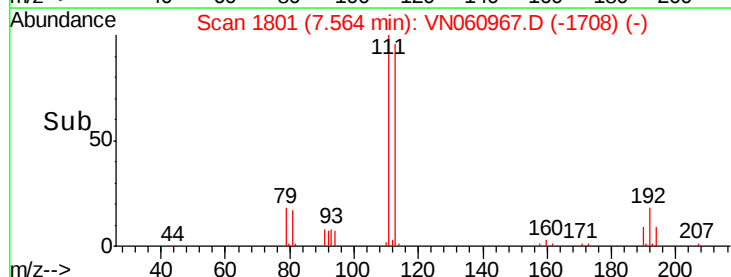
192 19.3 15.8 23.8

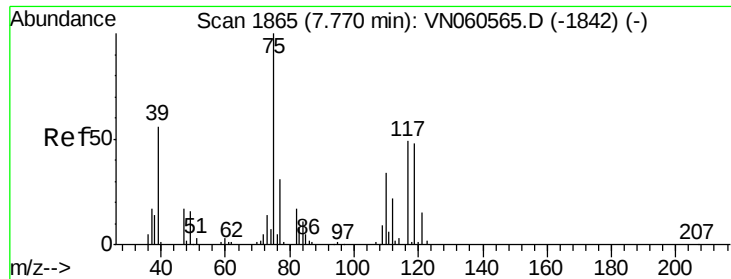


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

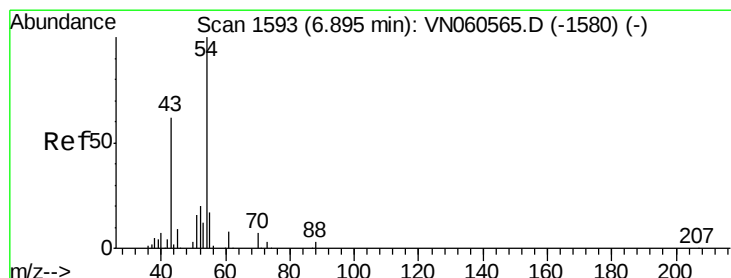
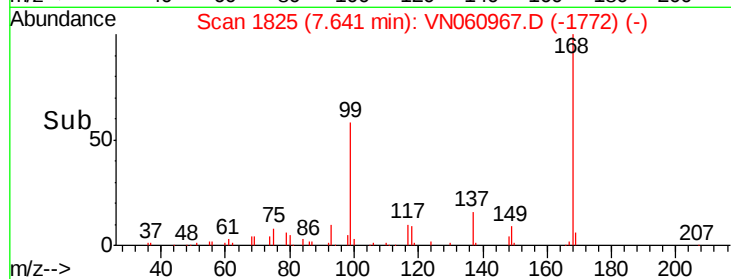
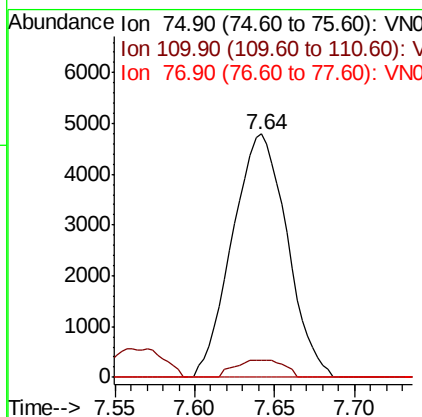
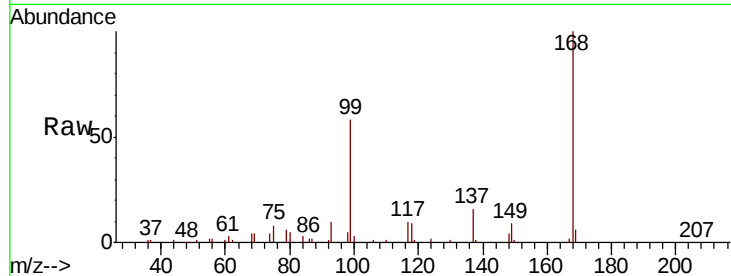




#36
 1,1-Dichloropropene
 Concen: 4.931 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060967.D
 Acq: 15 Apr 2020 17:22

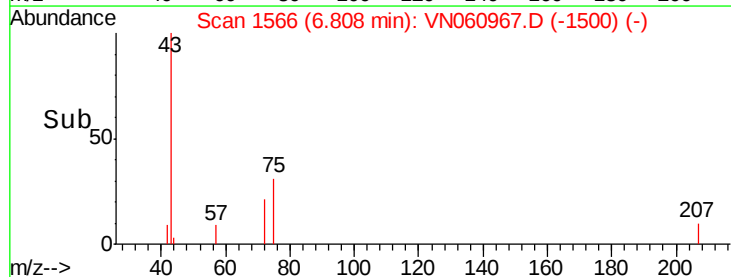
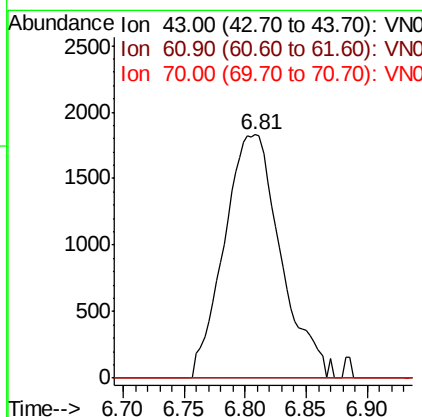
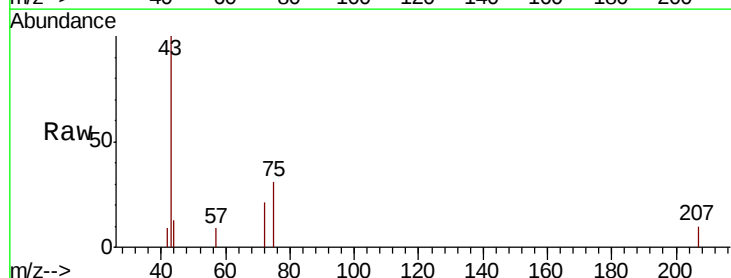
Instrument :
 MSVOA_N
 ClientSampled :

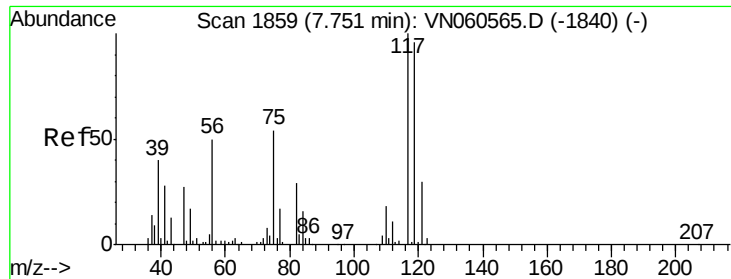
Tot Ion: 75 Resp: 11220
 Ion Ratio Lower Upper
 75 100
 110 6.3 16.9 50.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 2.389 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060967.D
 Acq: 15 Apr 2020 17:22

Tgt Ion: 43 Resp: 5874
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 6.525 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampled :

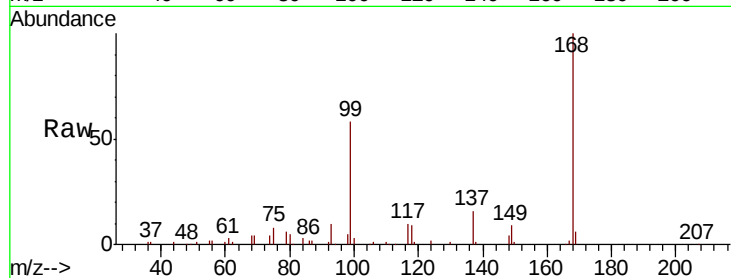
Tot Ion:117 Resp: 13306

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

121 0.0 23.7 35.5#

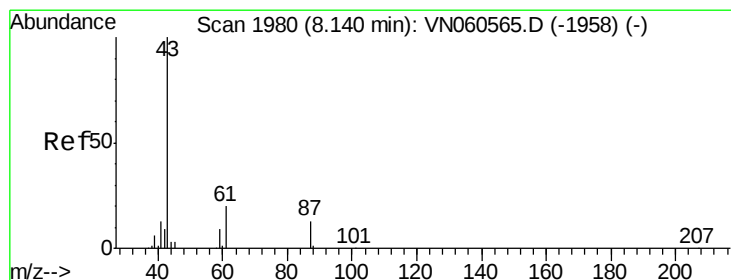
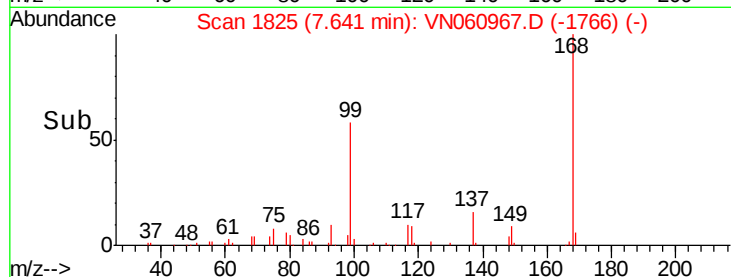
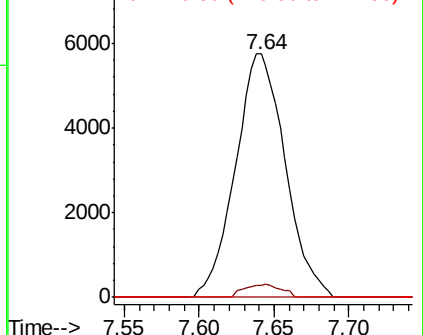


Abundance

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: 12.100 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

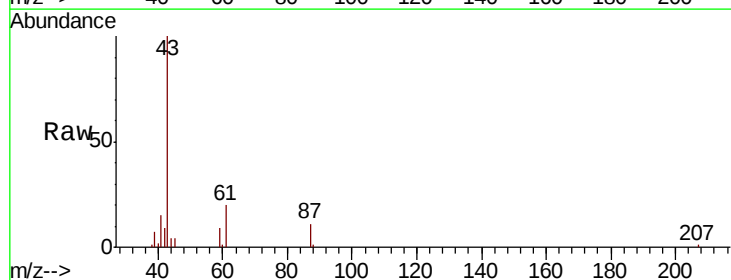
Tgt Ion: 43 Resp: 49062

Ion Ratio Lower Upper

43 100

61 19.2 20.7 31.1#

87 11.7 9.8 14.8

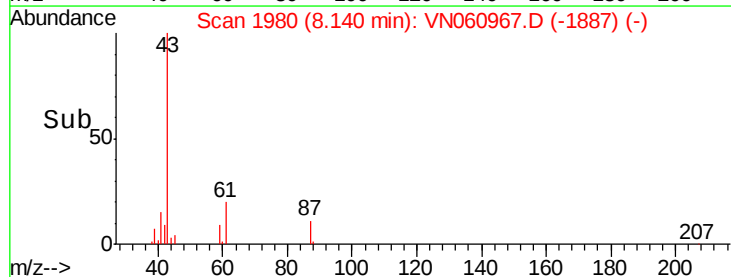
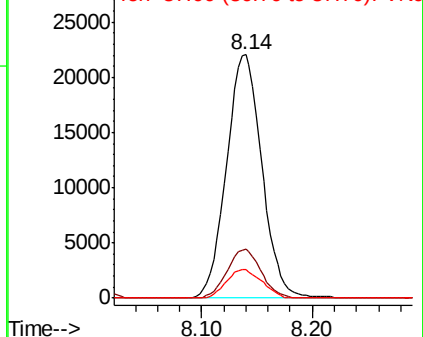


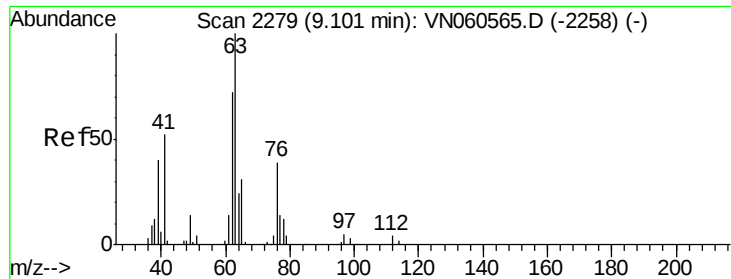
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.423 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

Instrument :

MSVOA_N

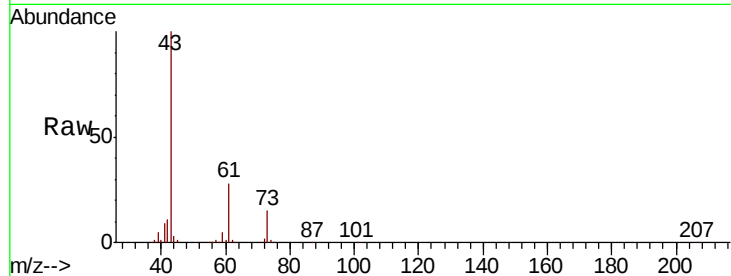
ClientSampleId :

Tot Ion: 63 Resp: 767

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

400

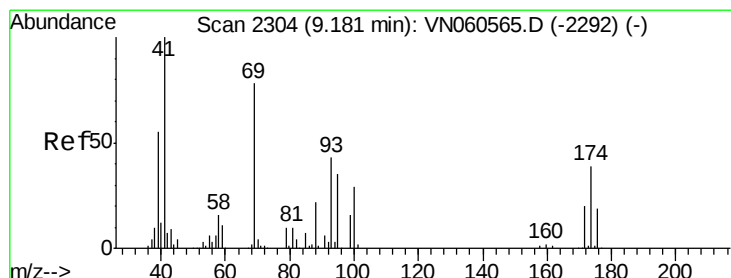
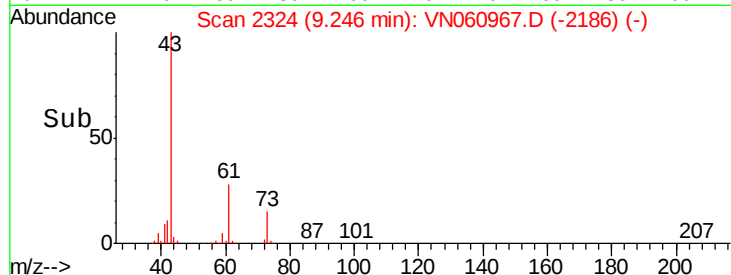
300

200

100

0

Time--> 9.20 9.22 9.24 9.26 9.28



#48

Methyl methacrylate

Concen: 1.373 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

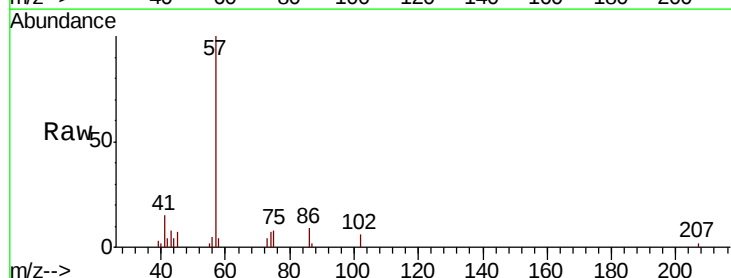
Tgt Ion: 41 Resp: 2478

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 0.0 44.0 66.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

20000

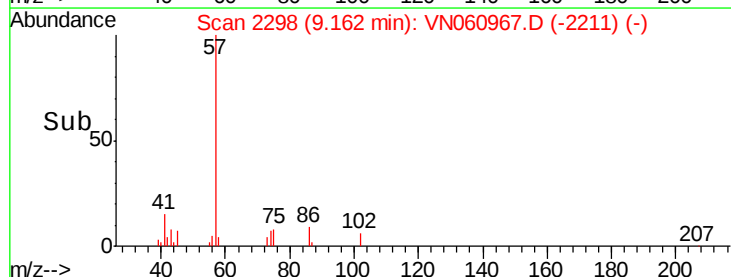
15000

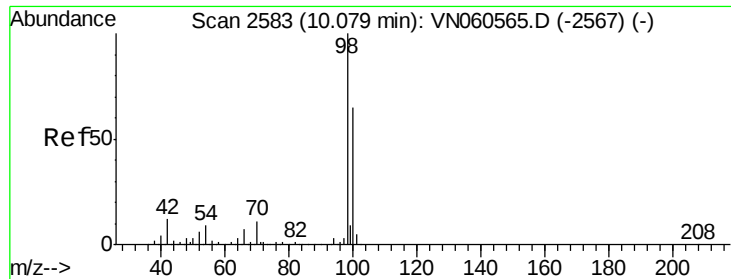
10000

5000

0

Time--> 9.10 9.15 9.20

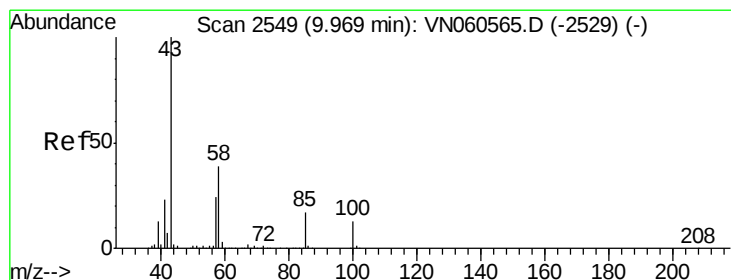
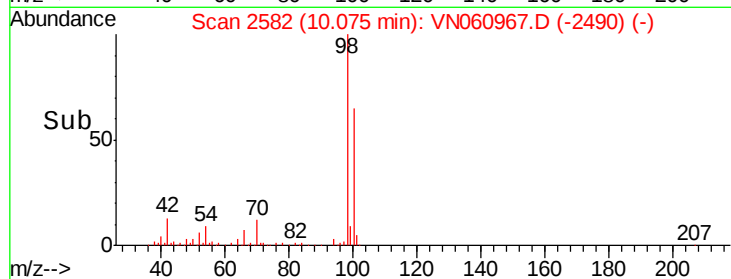
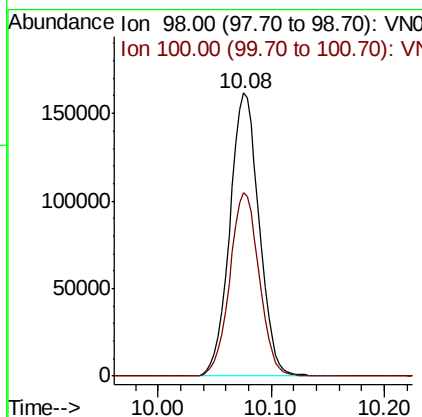
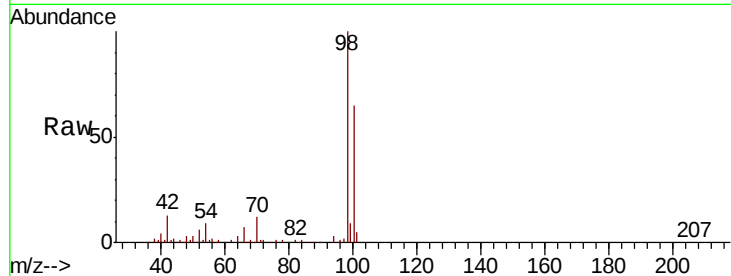




#50
Toluene-d8
Concen: 50.219 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

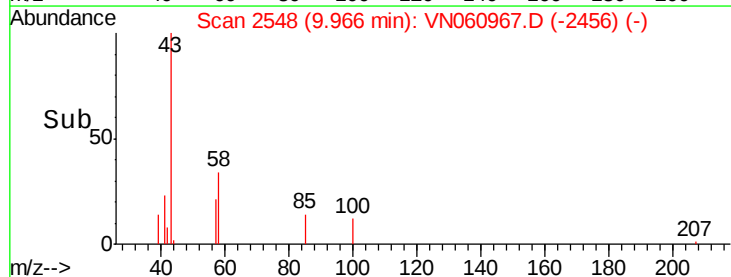
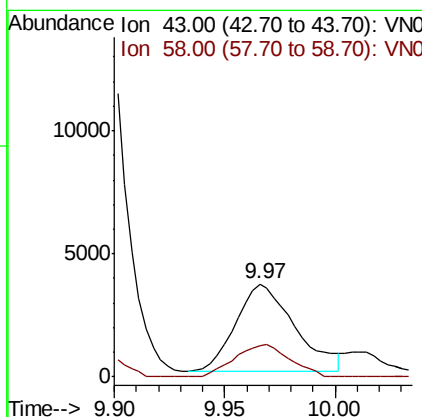
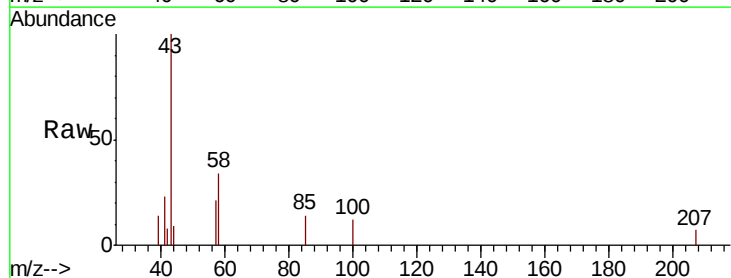
Instrument :
MSVOA_N
ClientSampled :

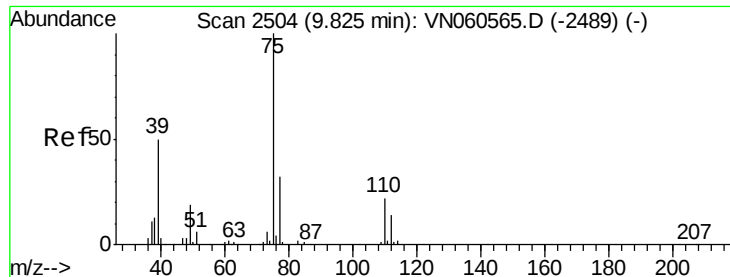
Tot Ion: 98 Resp: 291466
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 2.820 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

Tgt Ion: 43 Resp: 6506
Ion Ratio Lower Upper
43 100
58 35.1 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.545 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampled :

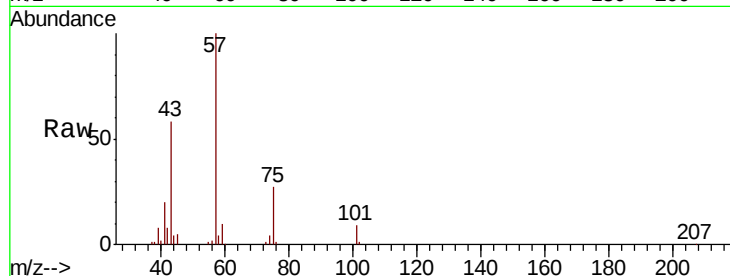
Tot Ion: 75 Resp: 18781

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

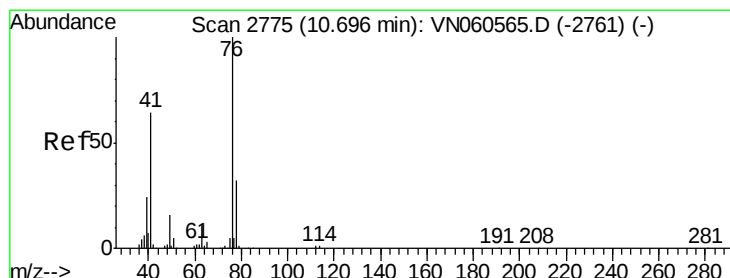
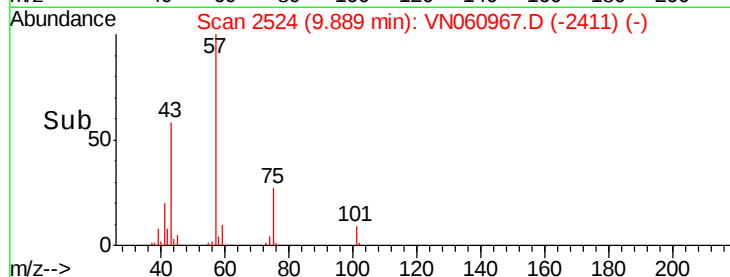
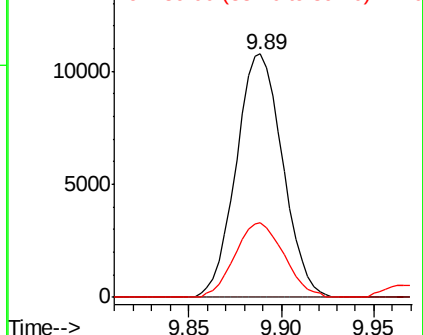
39 30.5 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060967.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060967.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060967.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 0.794 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060967.D

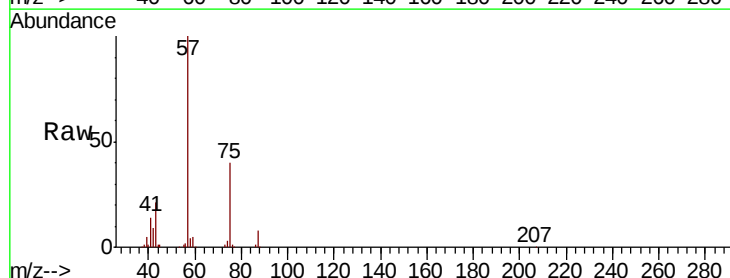
Acq: 15 Apr 2020 17:22

Tgt Ion: 76 Resp: 2198

Ion Ratio Lower Upper

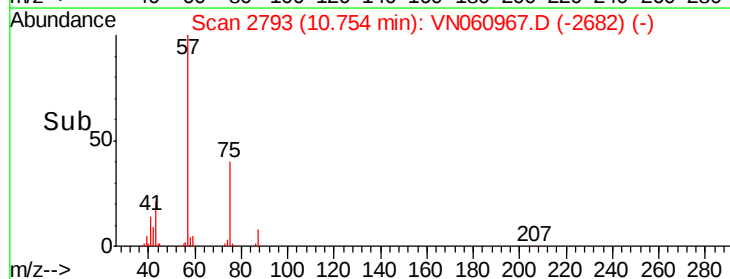
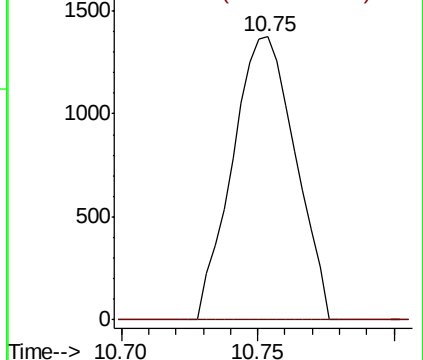
76 100

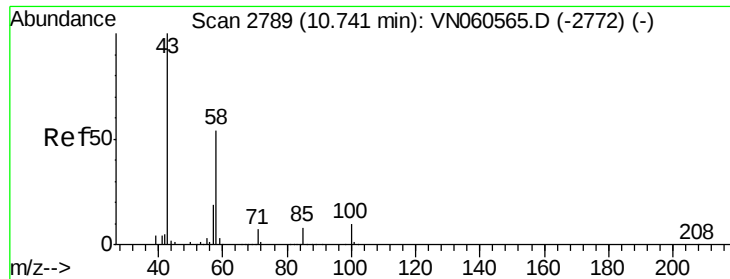
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060967.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060967.D (-2682) (-)

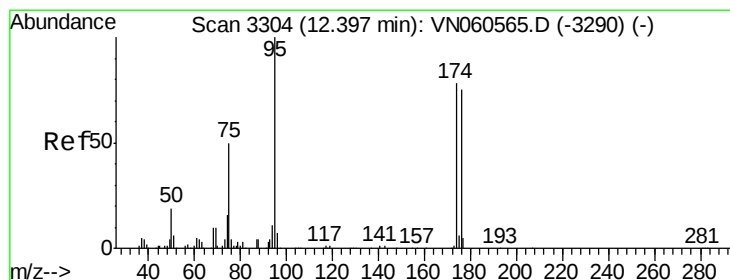
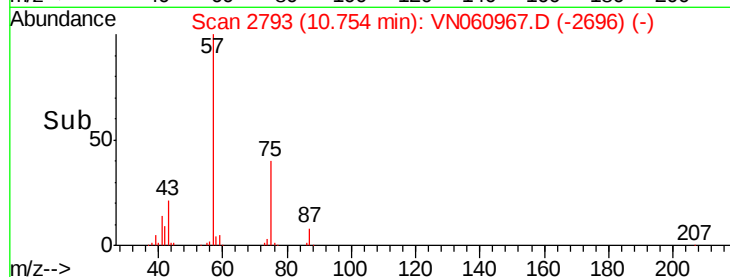
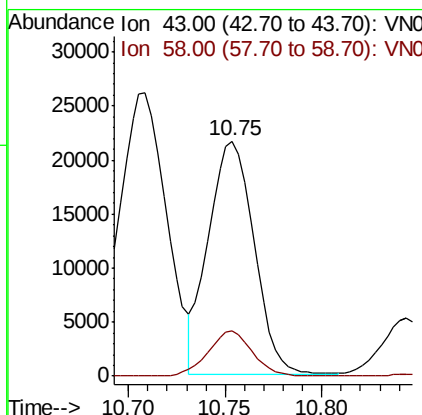
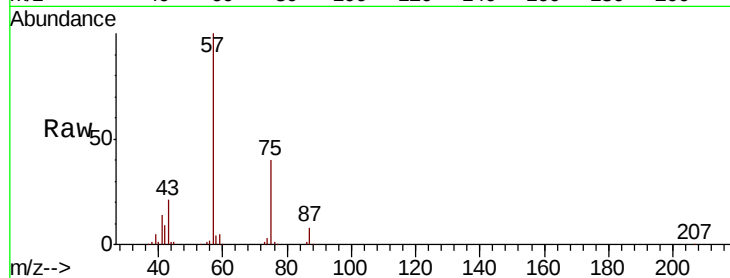




#59
2-Hexanone
Concen: 21.482 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

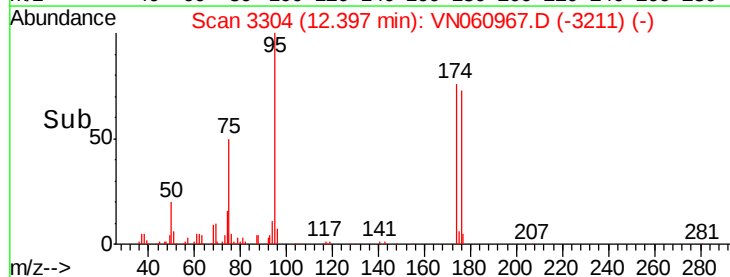
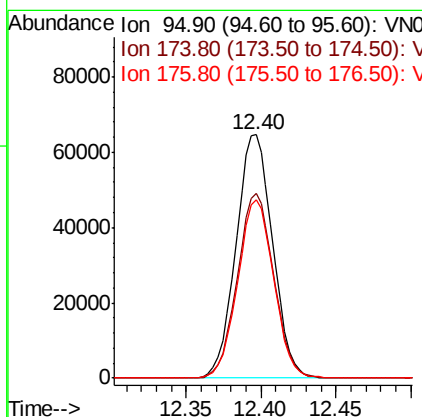
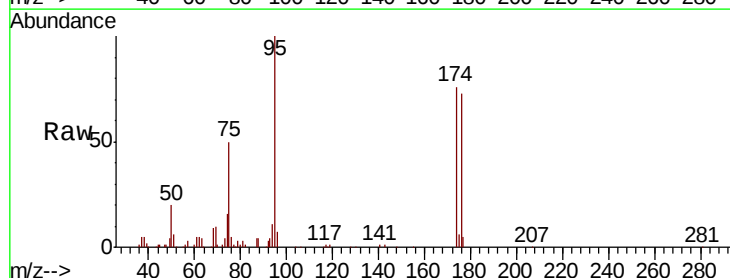
Instrument :
MSVOA_N
ClientSampleId :

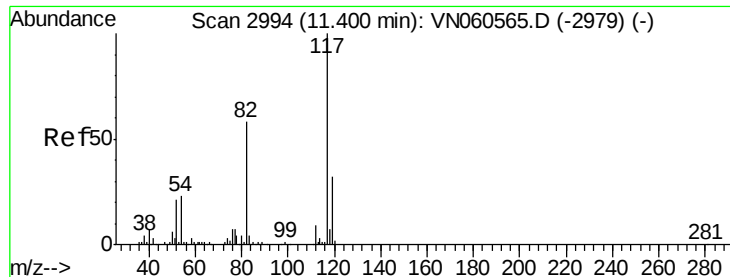
Tot Ion: 43 Resp: 35705
Ion Ratio Lower Upper
43 100
58 18.5 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.721 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

Tgt Ion: 95 Resp: 110013
Ion Ratio Lower Upper
95 100
174 75.5 0.0 157.6
176 72.2 0.0 150.6

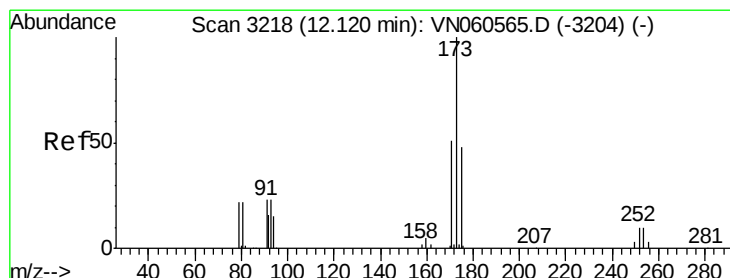
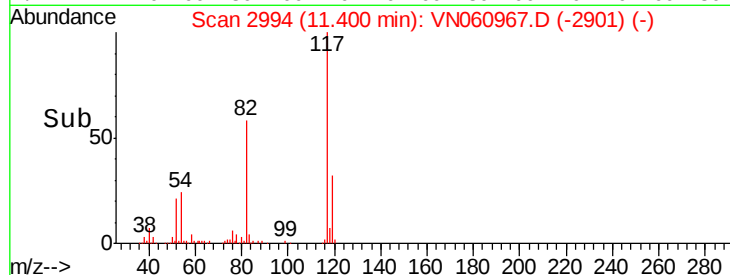
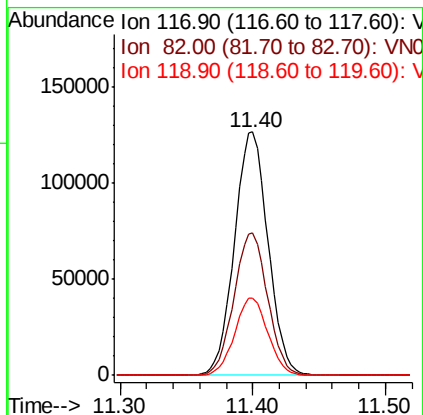
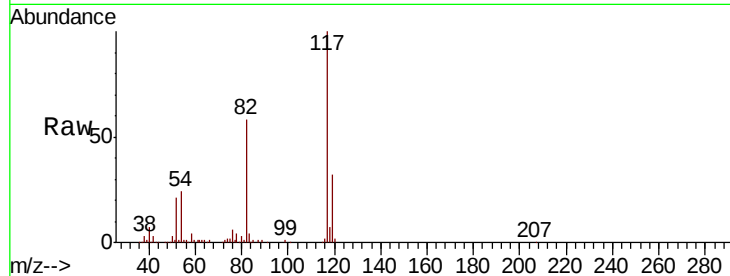




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

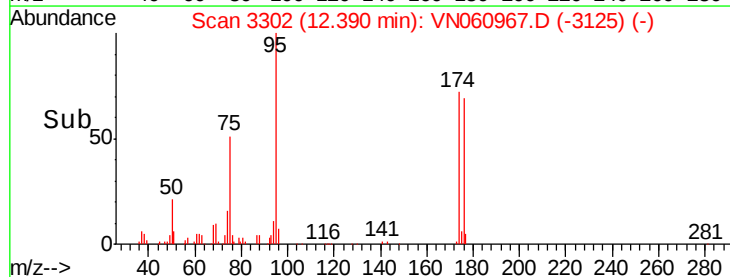
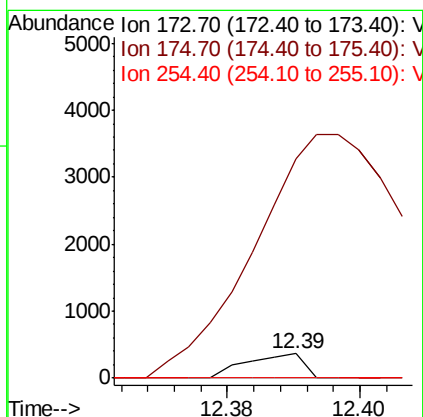
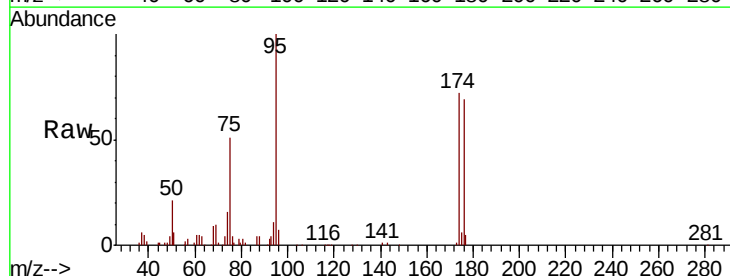
Instrument :
MSVOA_N
ClientSampleId :

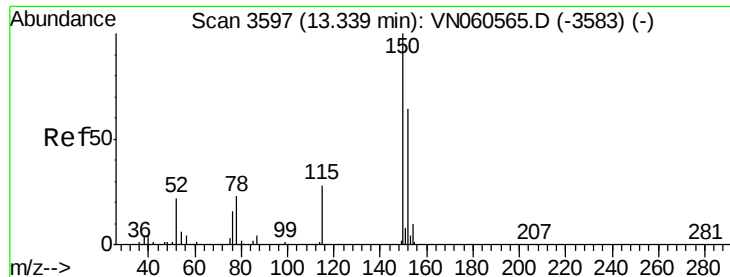
Tot Ion:117 Resp: 222065
Ion Ratio Lower Upper
117 100
82 58.3 46.7 70.1
119 31.7 25.5 38.3



#71
Bromoform
Concen: 1.842 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN060967.D
Acq: 15 Apr 2020 17:22

Tgt Ion:173 Resp: 221
Ion Ratio Lower Upper
173 100
175 2329.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

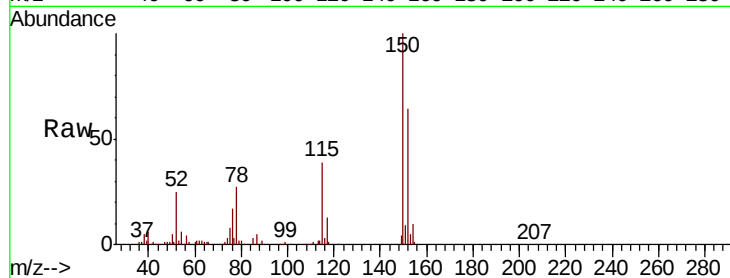
Tot Ion:152 Resp: 96682

Ion Ratio Lower Upper

152 100

115 59.8 30.2 90.6

150 156.9 0.0 350.2

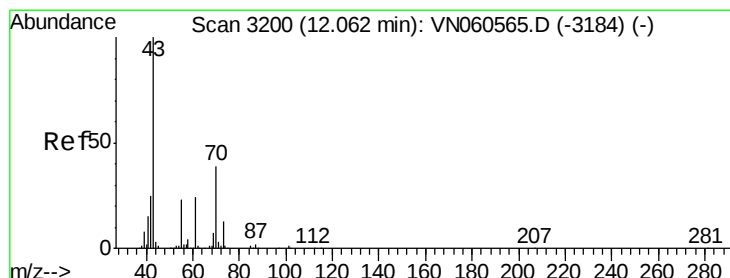
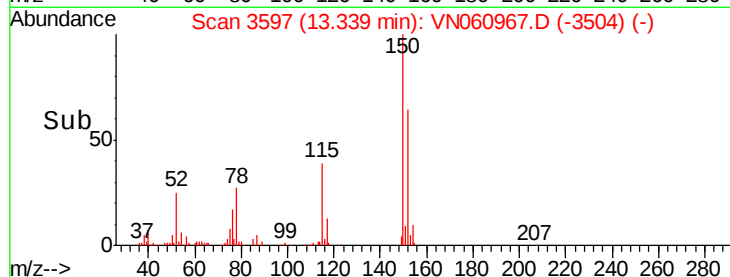
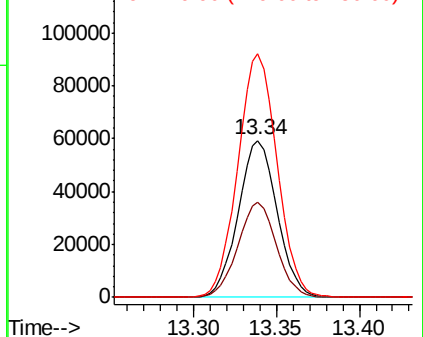


Abundance

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: 0.346 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060967.D

Acq: 15 Apr 2020 17:22

Tgt Ion: 43 Resp: 1161

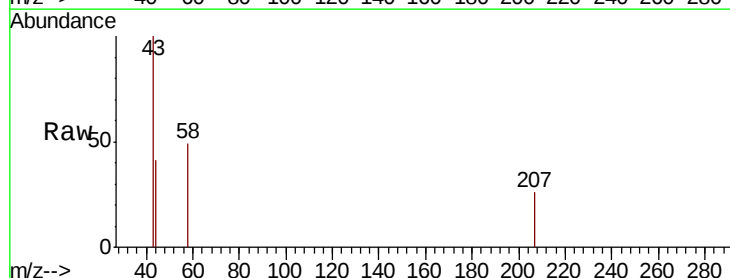
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#



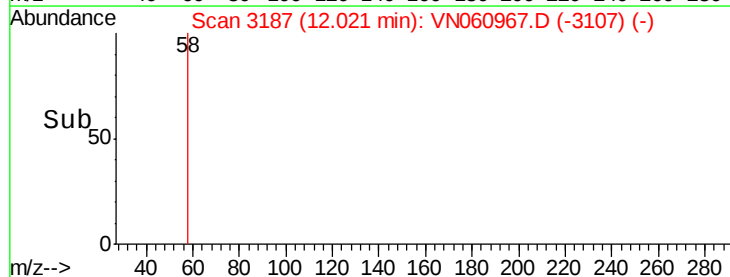
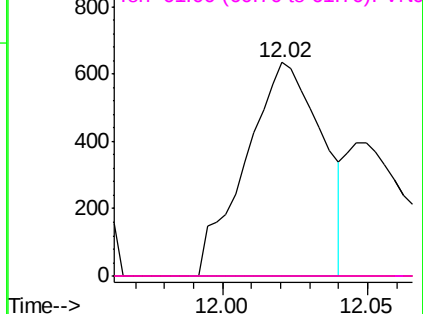
Abundance

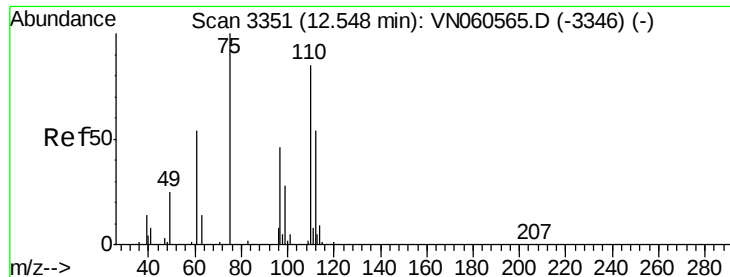
Ion 43.00 (42.70 to 43.70): V

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

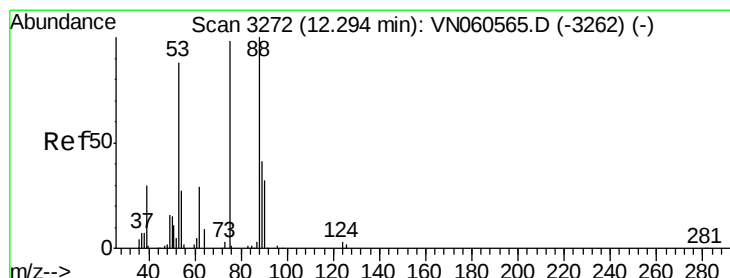
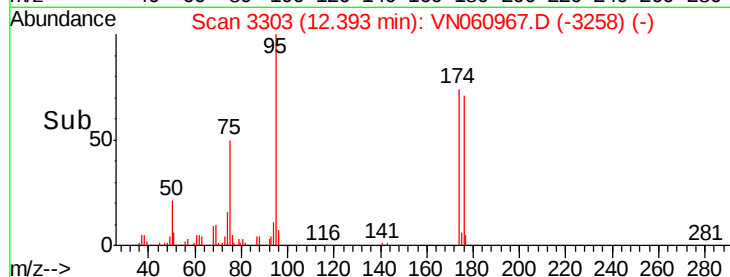
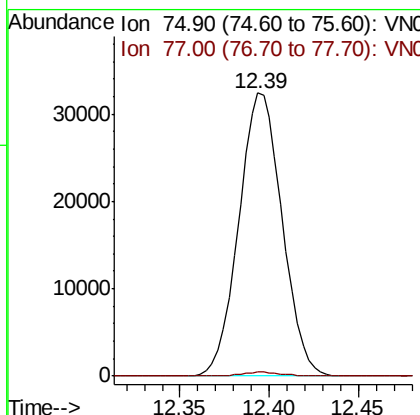
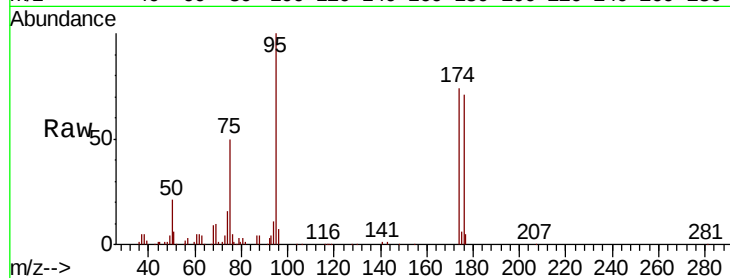




#76
 1,2,3-Trichloropropane
 Concen: 26.341 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.15 min
 Lab File: VN060967.D
 Acq: 15 Apr 2020 17:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 54953
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.652 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN060967.D
 Acq: 15 Apr 2020 17:22

Tgt Ion: 75 Resp: 54953
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

