

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060975.D
 Acq On : 15 Apr 2020 20:24
 Operator : JC/MD
 Sample : PB128172TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:38:08 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	132528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	225006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	212583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	92812	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	88715	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	7.56	113	67753	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.08	98	280764	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	103645	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

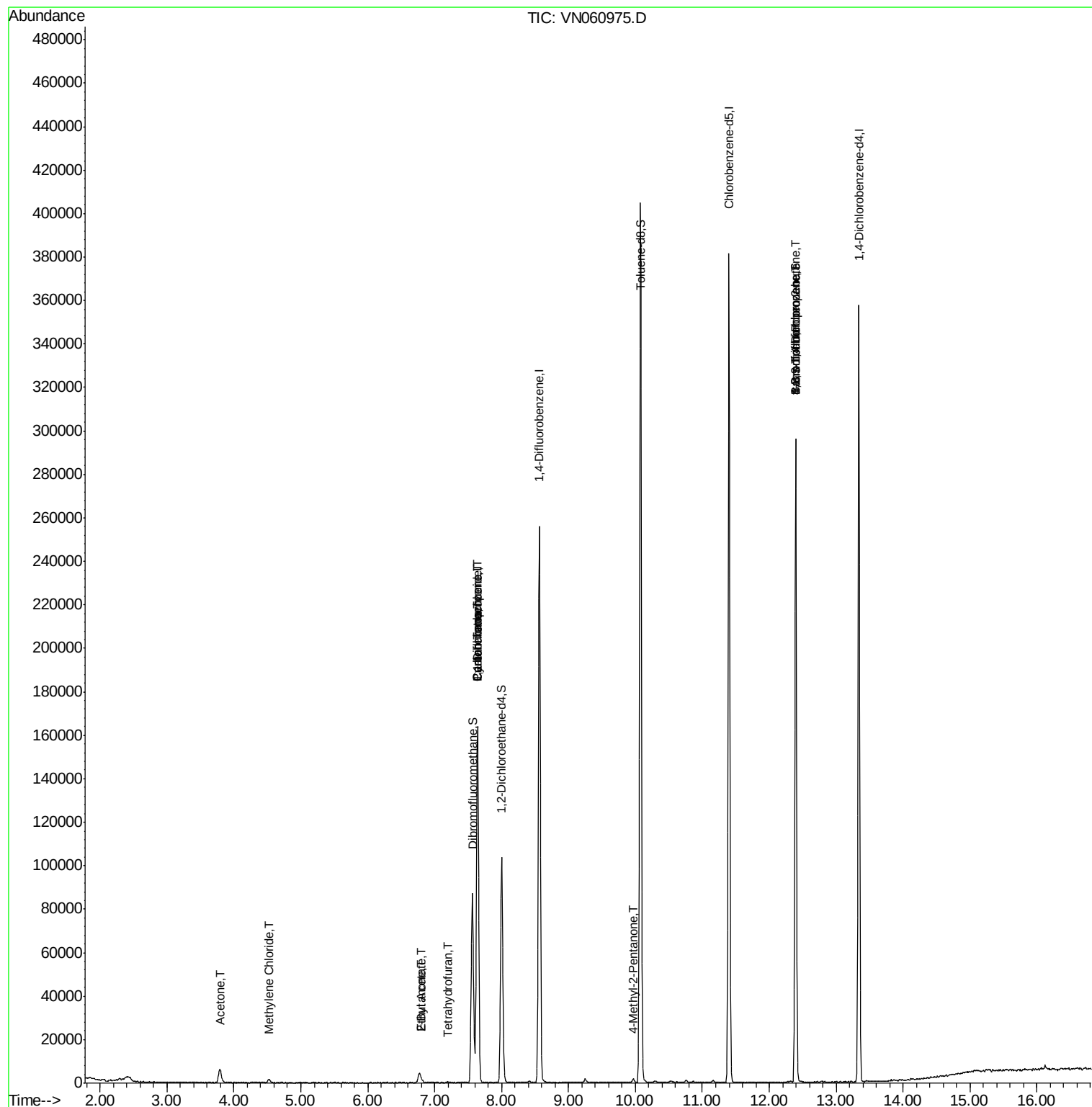
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6526	10.127	ug/l	99
20) Methylene Chloride	4.52	84	1247	0.787	ug/l #	82
25) 2-Butanone	6.80	43	975	0.935	ug/l	90
29) Tetrahydrofuran	7.19	42	559	0.758	ug/l #	35
31) Cyclohexane	7.64	56	2775	0.947	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	10765	4.941	ug/l #	49
37) Ethyl Acetate	6.80	43	975	0.414	ug/l #	70
38) Carbon Tetrachloride	7.64	117	12552	6.428	ug/l #	17
51) 4-Methyl-2-Pentanone	9.97	43	1605	0.726	ug/l	87
71) Bromoform	12.40	173	601	2.138	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	53577	26.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	53577	68.708	ug/l #	13

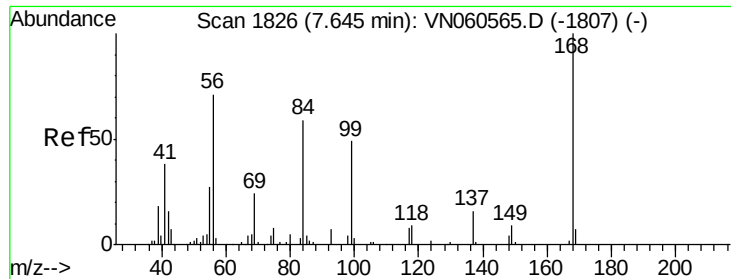
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060975.D

Acq: 15 Apr 2020 20:24

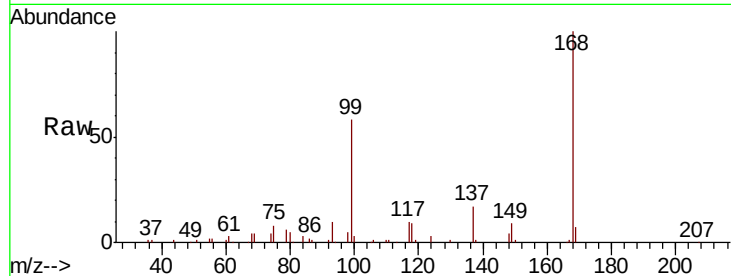
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 132528

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

60000

50000

40000

30000

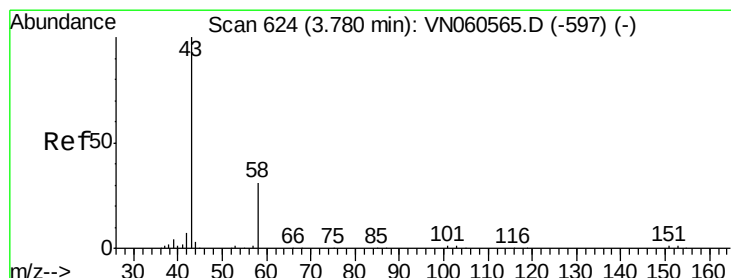
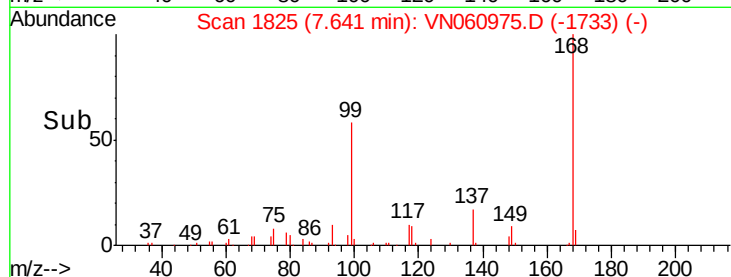
20000

10000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 10.127 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060975.D

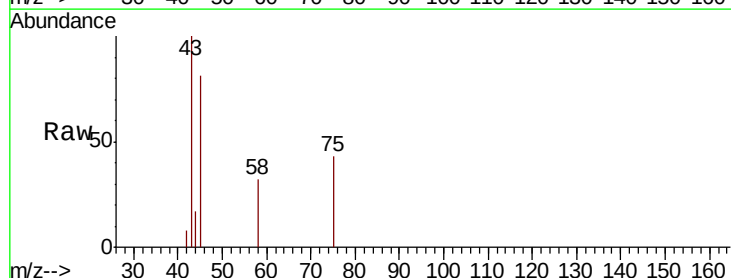
Acq: 15 Apr 2020 20:24

Tgt Ion: 43 Resp: 6526

Ion Ratio Lower Upper

43 100

58 32.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500

2000

1500

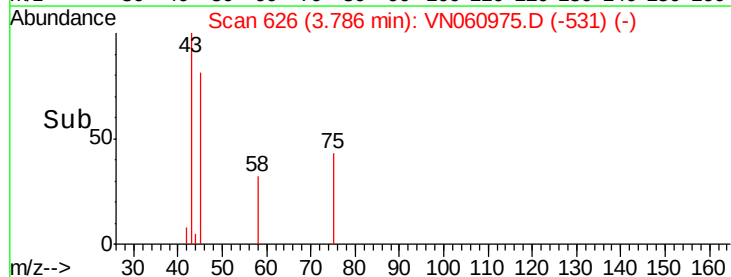
1000

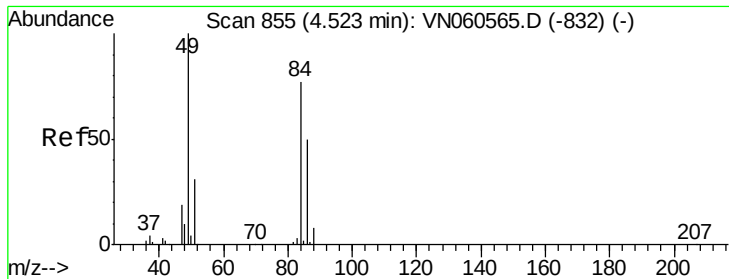
500

0

3.70 3.75 3.80 3.85

Time-->

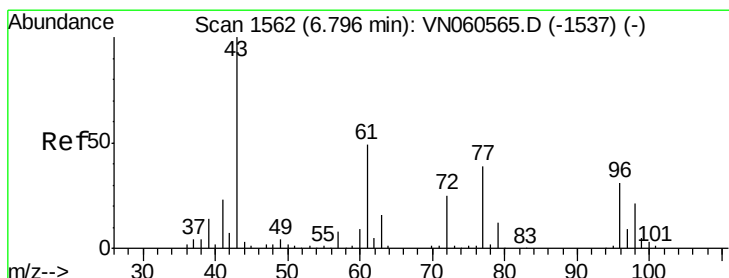
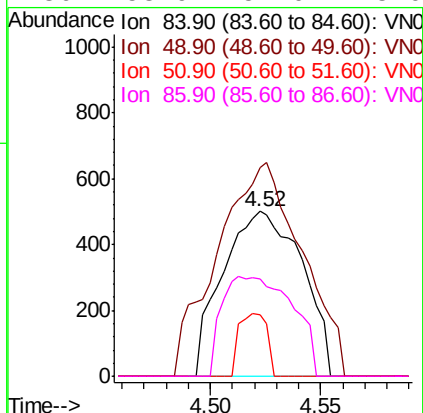
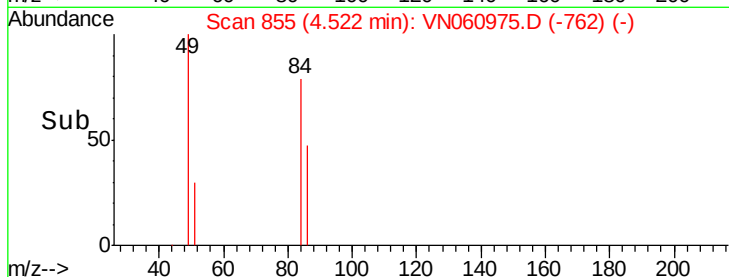
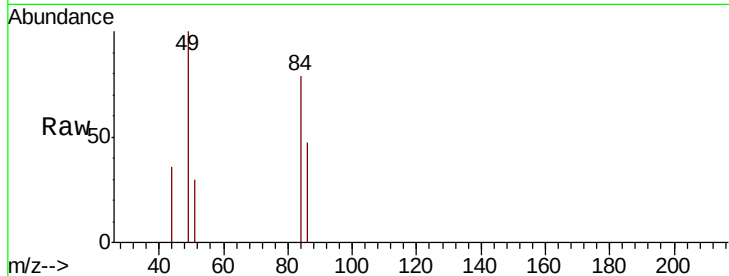




#20
Methylene Chloride
Concen: 0.787 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

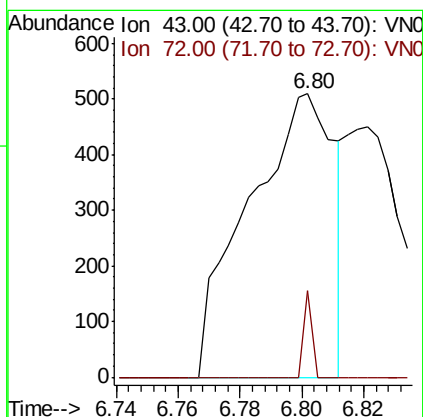
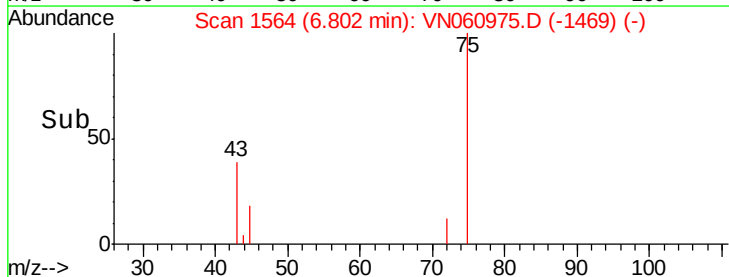
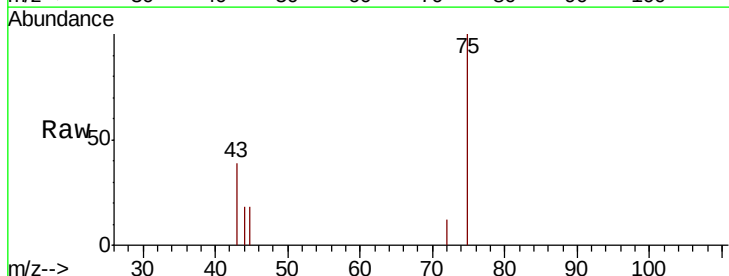
Instrument :
MSVOA_N
ClientSampleId :

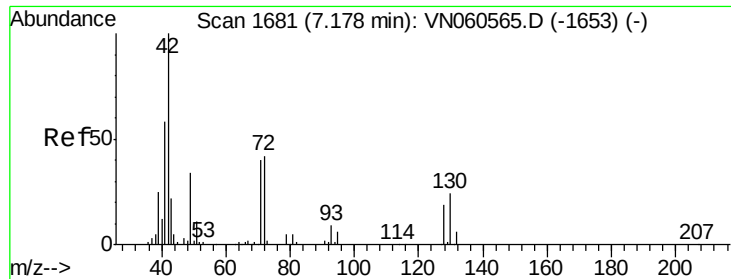
Tot Ion:	84	Resp:	1247
Ion	Ratio	Lower	Upper
84	100		
49	96.4	103.3	154.9#
51	37.5	31.6	47.4
86	58.9	52.0	78.0



#25
2-Butanone
Concen: 0.935 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

Tgt Ion:	43	Resp:	975
Ion	Ratio	Lower	Upper
43	100		
72	30.5	20.4	30.6

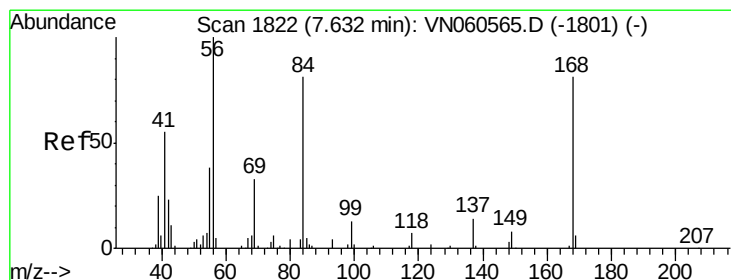
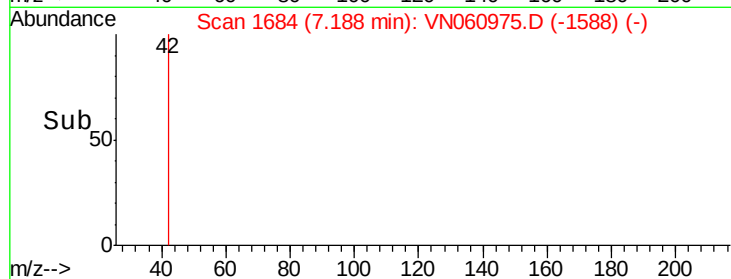
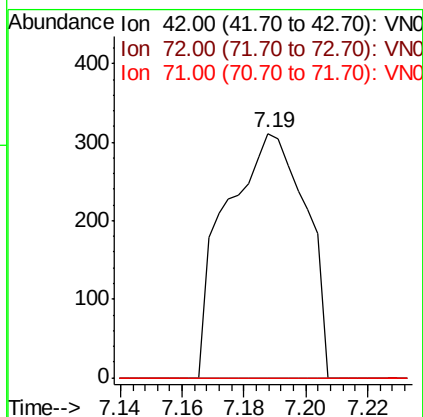
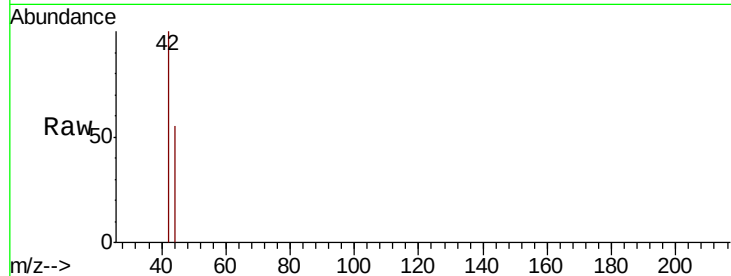




#29
Tetrahydrofuran
Concen: 0.758 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

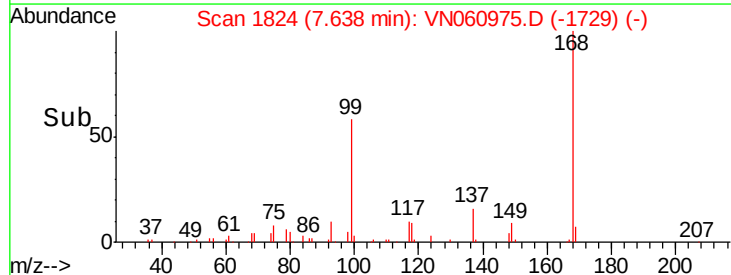
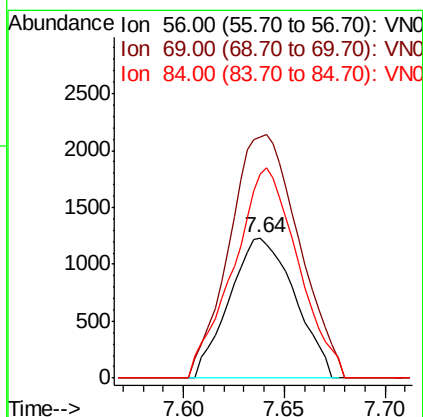
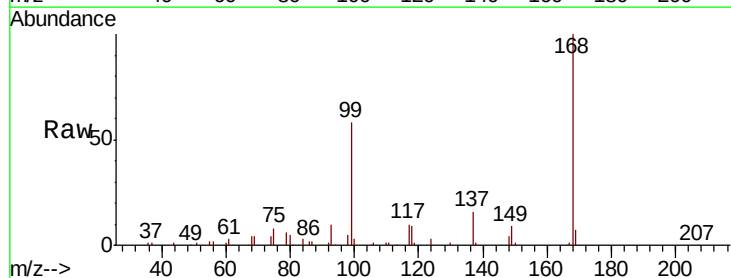
Instrument :
MSVOA_N
ClientSampled :

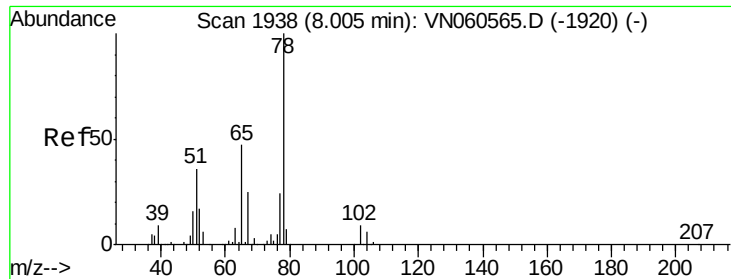
Tot Ion: 42 Resp: 559
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#



#31
Cyclohexane
Concen: 0.947 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

Tgt Ion: 56 Resp: 2775
Ion Ratio Lower Upper
56 100
69 171.8 26.6 40.0#
84 145.5 64.3 96.5#

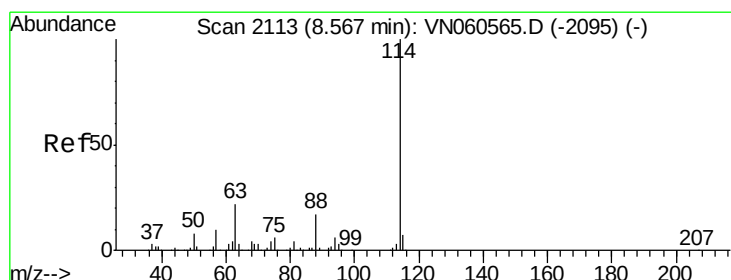
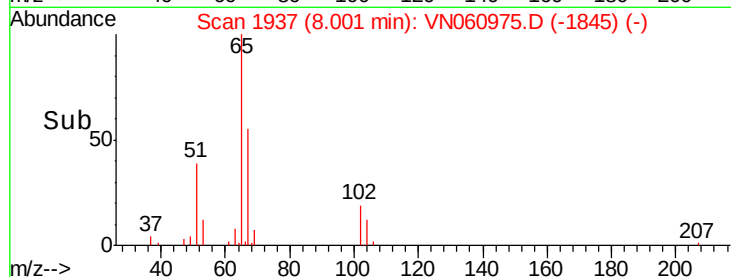
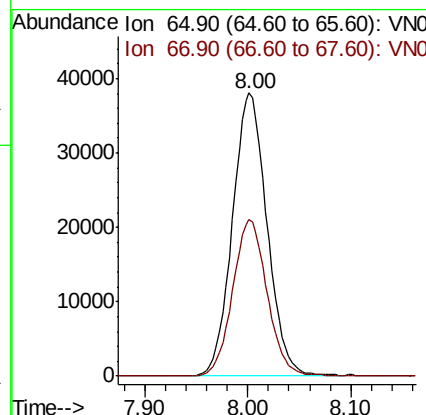
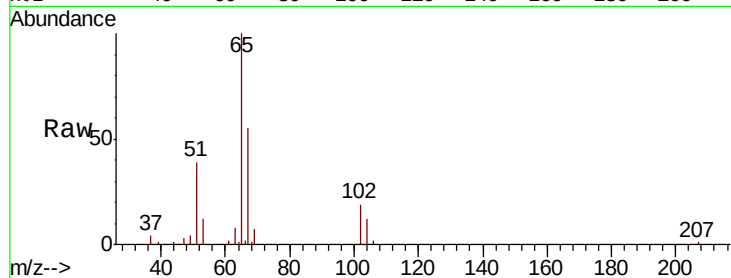




#33
 1,2-Dichloroethane-d4
 Concen: 48.763 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060975.D
 Acq: 15 Apr 2020 20:24

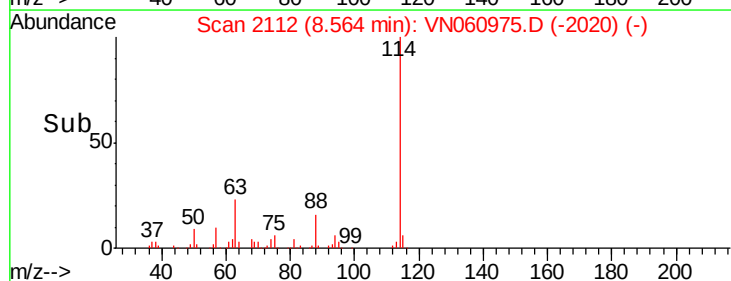
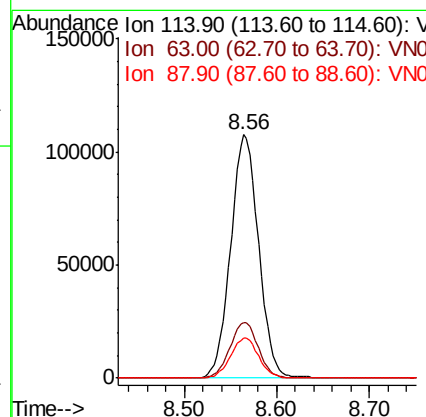
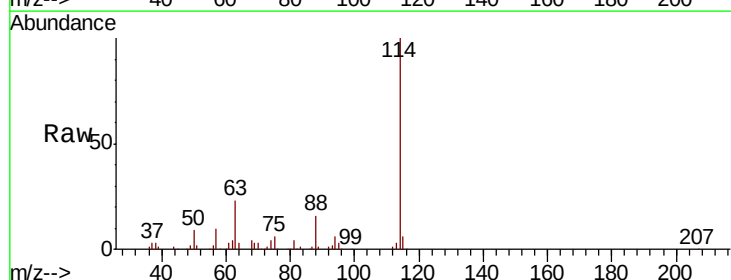
Instrument :
 MSVOA_N
 ClientSampled :

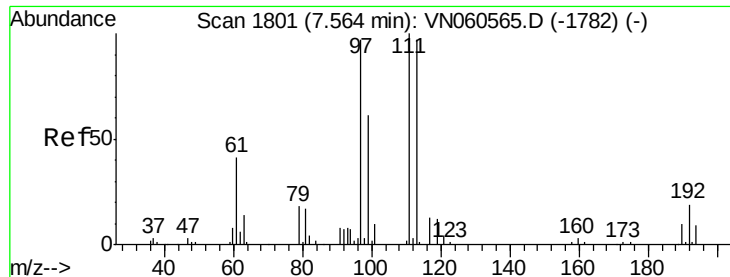
Tot Ion: 65 Resp: 88715
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060975.D
 Acq: 15 Apr 2020 20:24

Tgt Ion: 114 Resp: 225006
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.8
 88 16.2 0.0 33.0

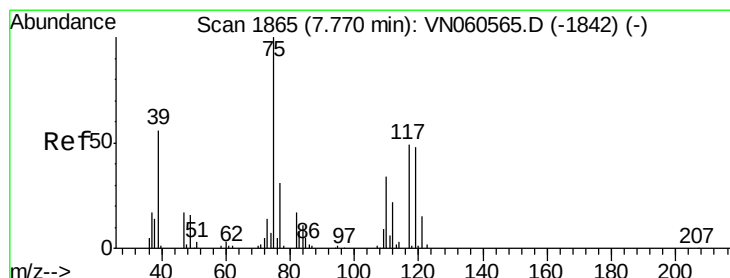
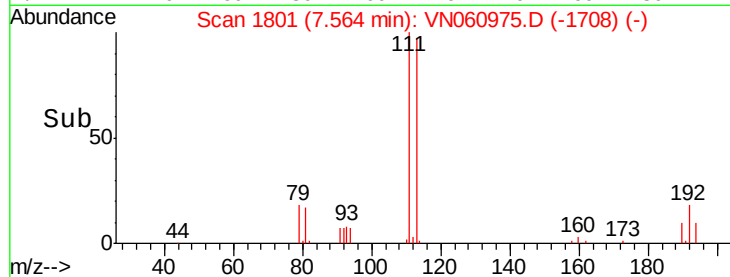
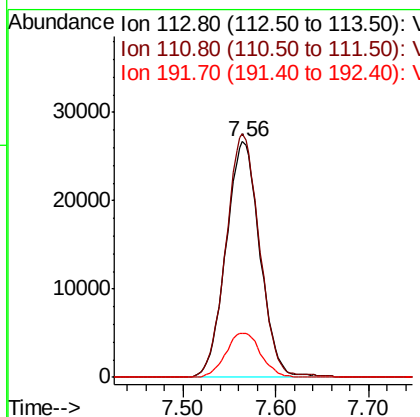
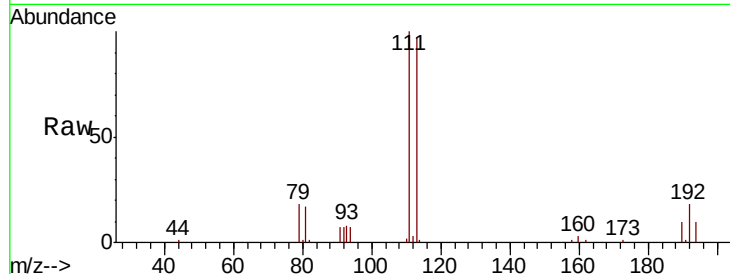




#35
 Dibromofluoromethane
 Concen: 49.799 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060975.D
 Acq: 15 Apr 2020 20:24

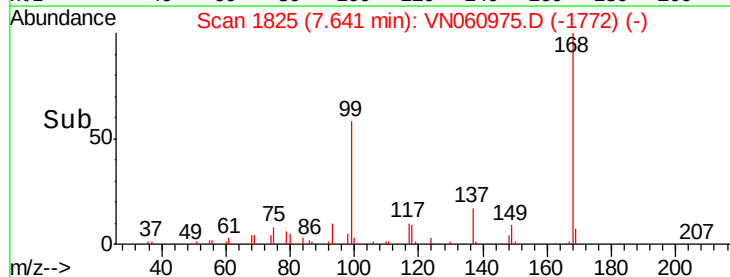
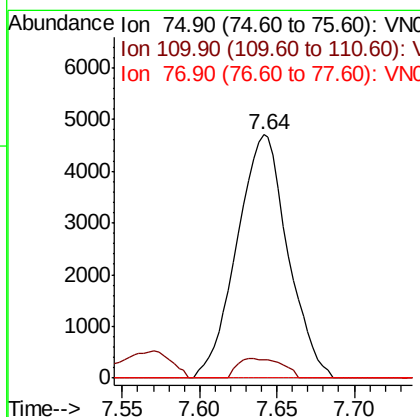
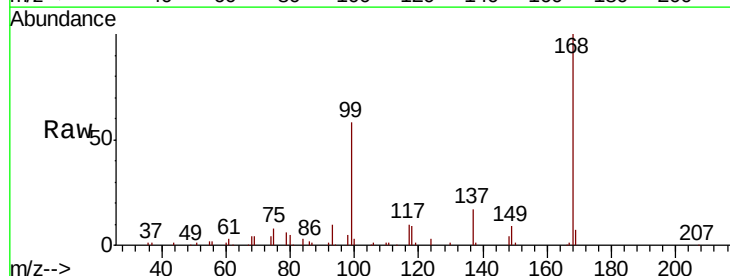
Instrument :
 MSVOA_N
 ClientSampleId :

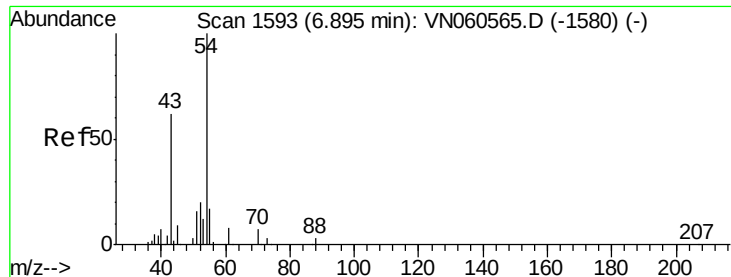
Tot Ion:113 Resp: 67753
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 19.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060975.D
 Acq: 15 Apr 2020 20:24

Tgt Ion: 75 Resp: 10765
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.9 50.6#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.414 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.09 min

Lab File: VN060975.D

Acq: 15 Apr 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

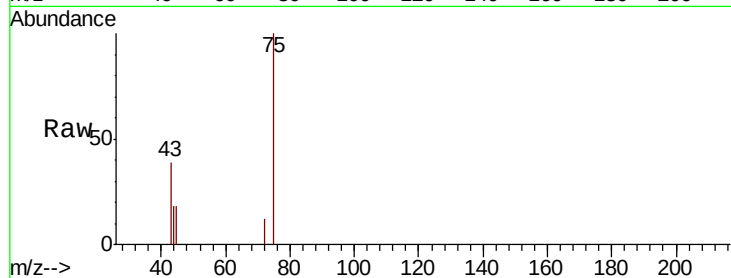
Tot Ion: 43 Resp: 975

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN060975.D (-1580) (-)

Ion 60.90 (60.60 to 61.60): VN060975.D (-1580) (-)

Ion 70.00 (69.70 to 70.70): VN060975.D (-1580) (-)

6.80

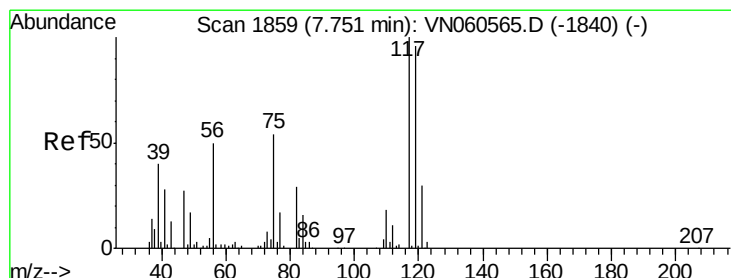
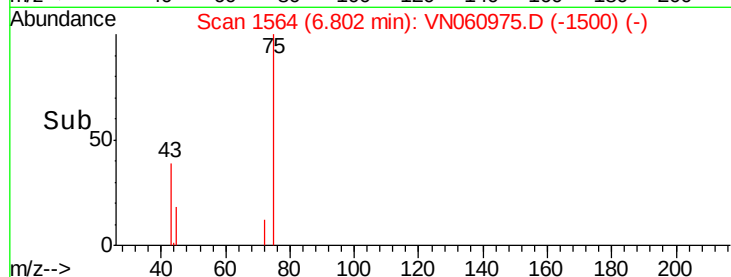
400

200

0

6.74 6.76 6.78 6.80 6.82

Time-->



#38

Carbon Tetrachloride

Concen: 6.428 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060975.D

Acq: 15 Apr 2020 20:24

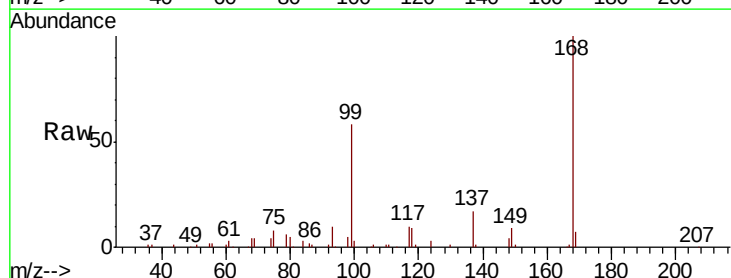
Tgt Ion: 117 Resp: 12552

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): VN060975.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060975.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060975.D (-1766) (-)

7.64

6000

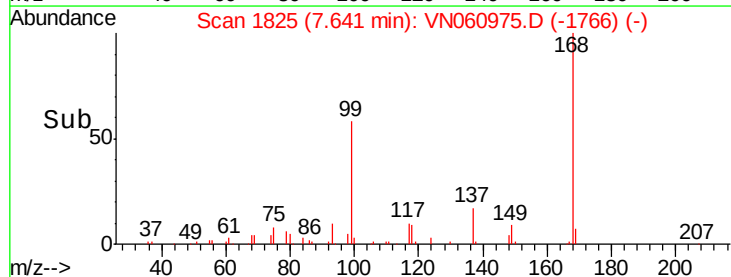
4000

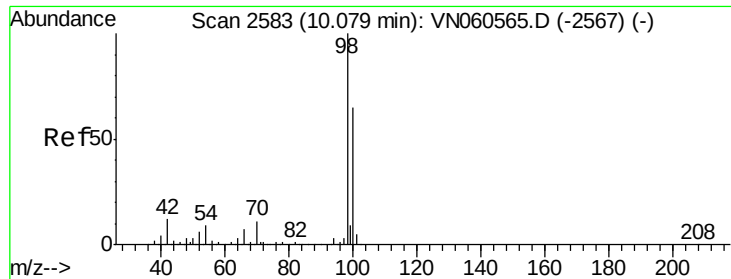
2000

0

7.55 7.60 7.65 7.70

Time-->

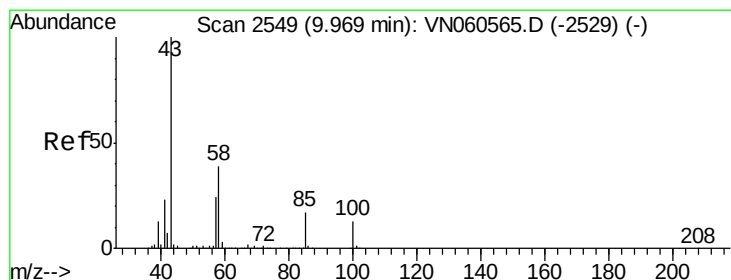
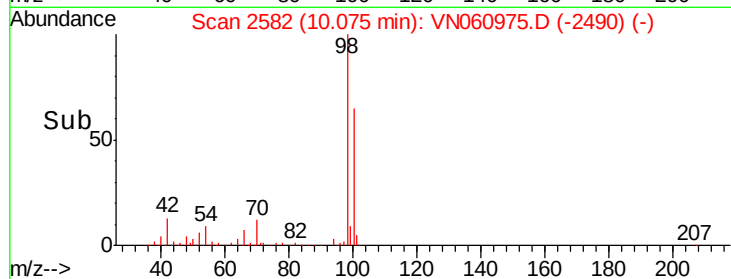
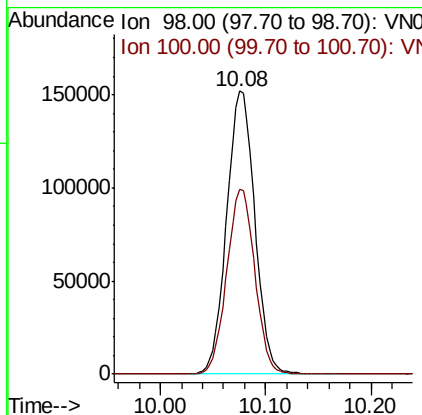
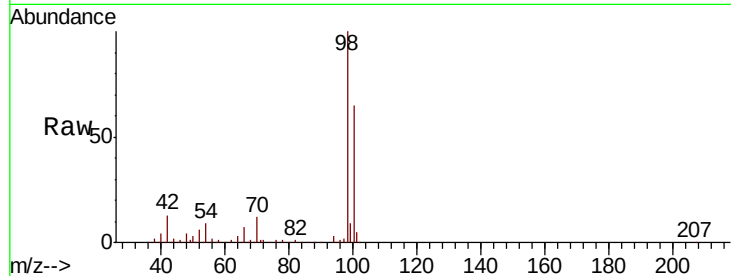




#50
Toluene-d8
Concen: 50.522 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

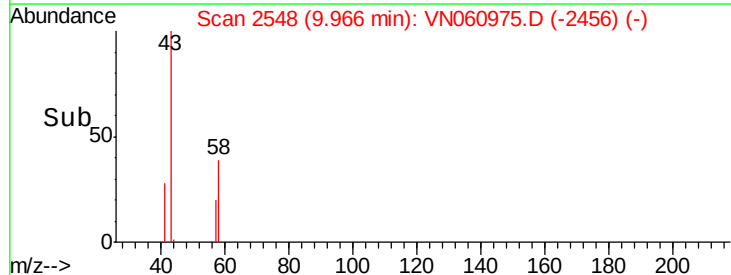
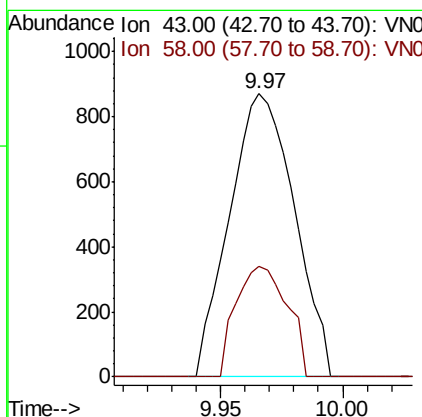
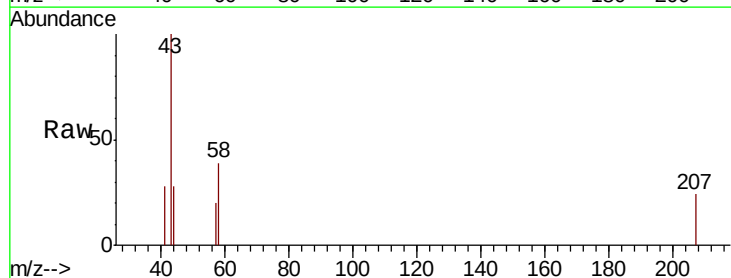
Instrument :
MSVOA_N
ClientSampleId :

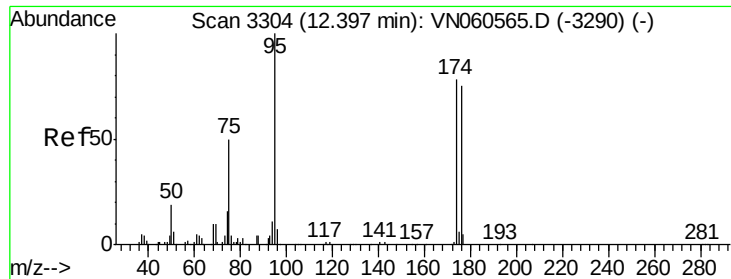
Tot Ion: 98 Resp: 280764
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.726 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
58 30.9 30.8 46.2





#62

4-Bromofluorobenzene

Concen: 50.890 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060975.D

Acq: 15 Apr 2020 20:24

Instrument :

MSVOA_N

ClientSampled :

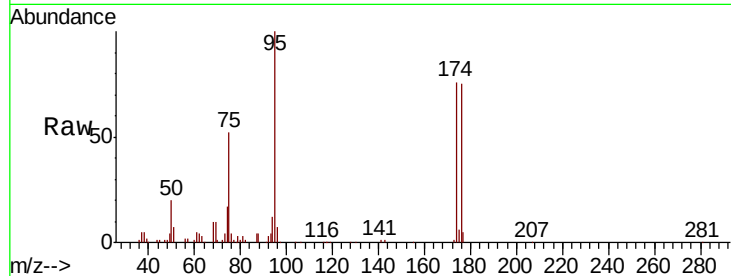
Tot Ion: 95 Resp: 103645

Ion Ratio Lower Upper

95 100

174 76.8 0.0 157.6

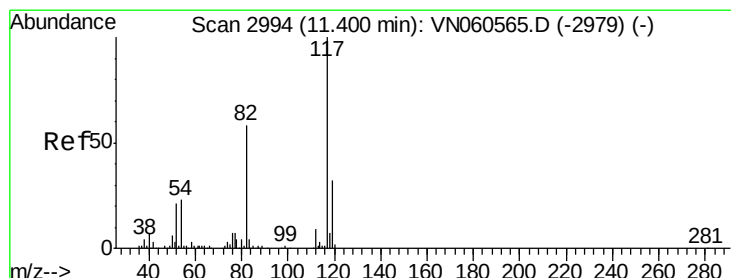
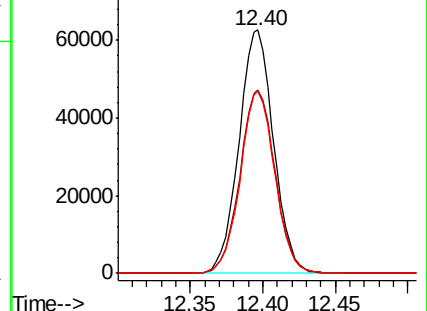
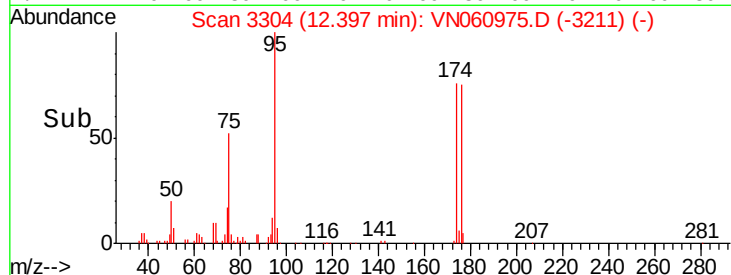
176 74.6 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060975.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060975.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060975.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060975.D

Acq: 15 Apr 2020 20:24

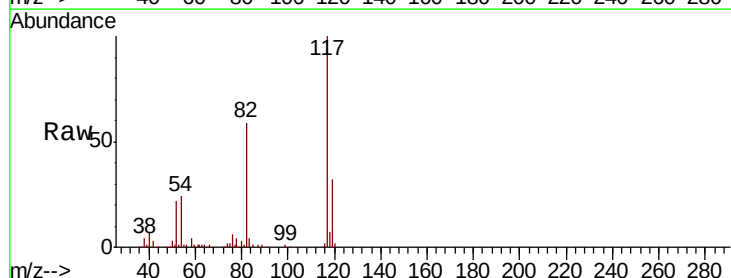
Tgt Ion: 117 Resp: 212583

Ion Ratio Lower Upper

117 100

82 59.1 46.7 70.1

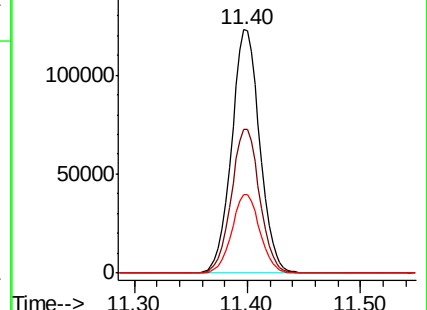
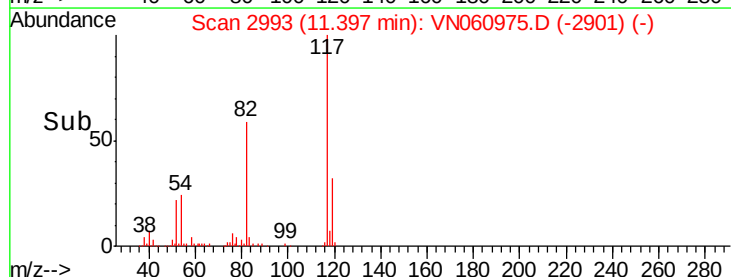
119 32.3 25.5 38.3

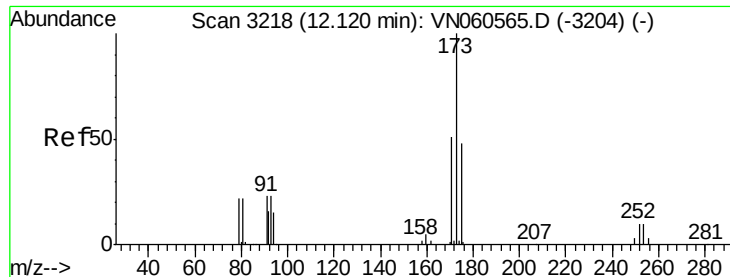


Abundance Ion 116.90 (116.60 to 117.60): VN060975.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060975.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060975.D (-2979) (-)

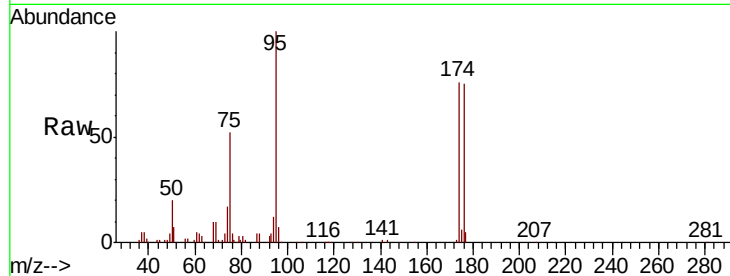




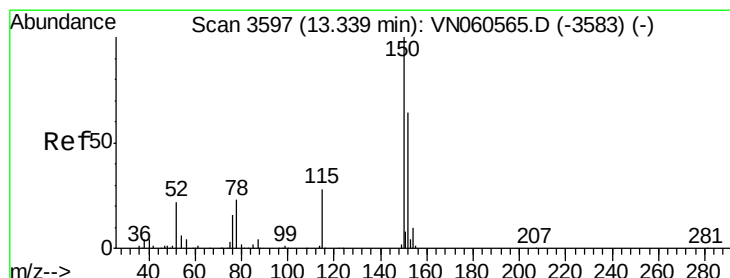
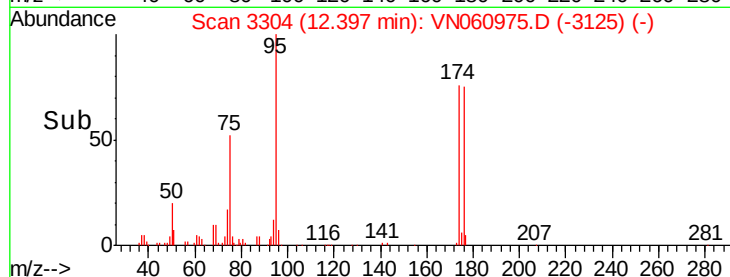
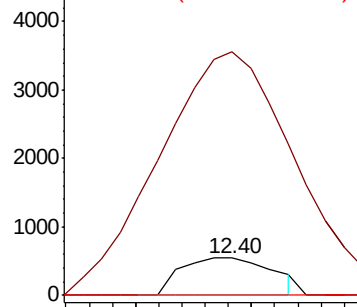
#71
Bromoform
Concen: 2.138 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 601
Ion Ratio Lower Upper
173 100
175 835.4 24.1 72.4#
254 0.0 0.0 0.0

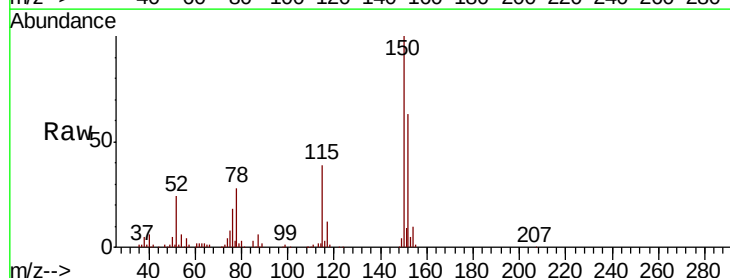


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

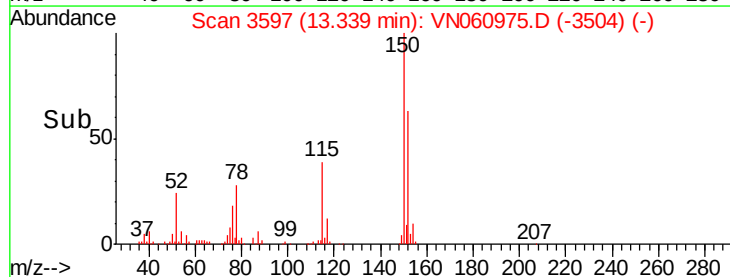
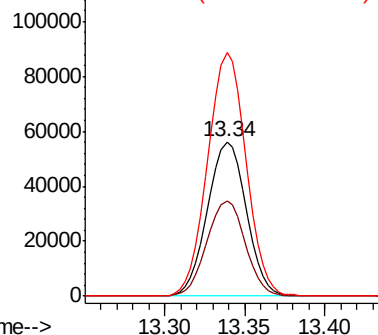


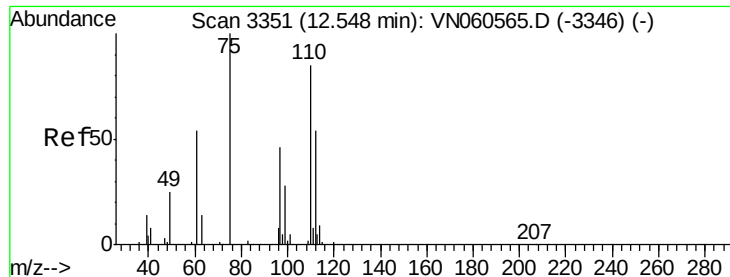
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060975.D
Acq: 15 Apr 2020 20:24

Tgt Ion:152 Resp: 92812
Ion Ratio Lower Upper
152 100
115 61.2 30.2 90.6
150 156.5 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

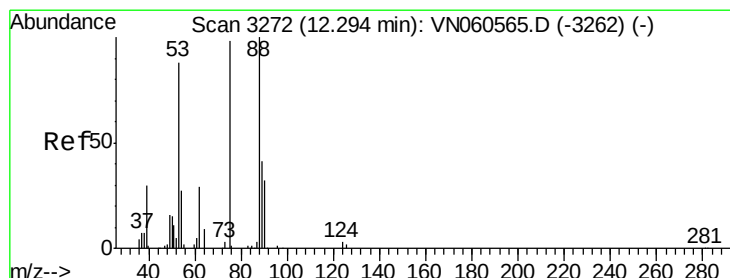
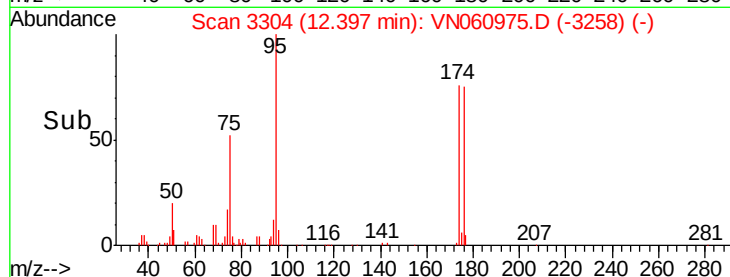
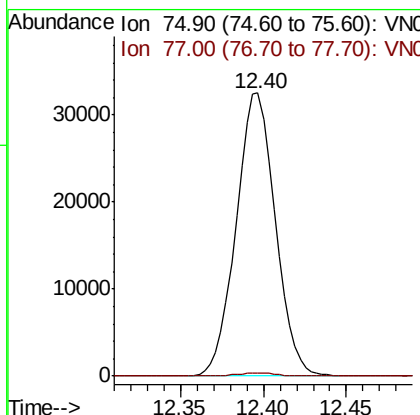
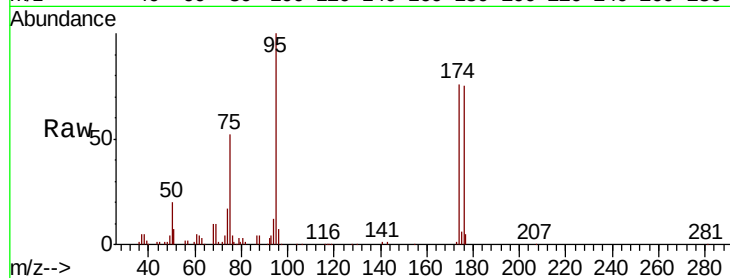




#76
 1,2,3-Trichloropropane
 Concen: 26.752 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060975.D
 Acq: 15 Apr 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 53577
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.708 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060975.D
 Acq: 15 Apr 2020 20:24

Tgt Ion: 75 Resp: 53577
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

