

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060656.D
 Acq On : 20 Mar 2020 16:33
 Operator : JC/MD
 Sample : L1762-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:25:46 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	191826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141829	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	127980	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	7.57	113	95916	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	10.08	98	395207	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	149784	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	

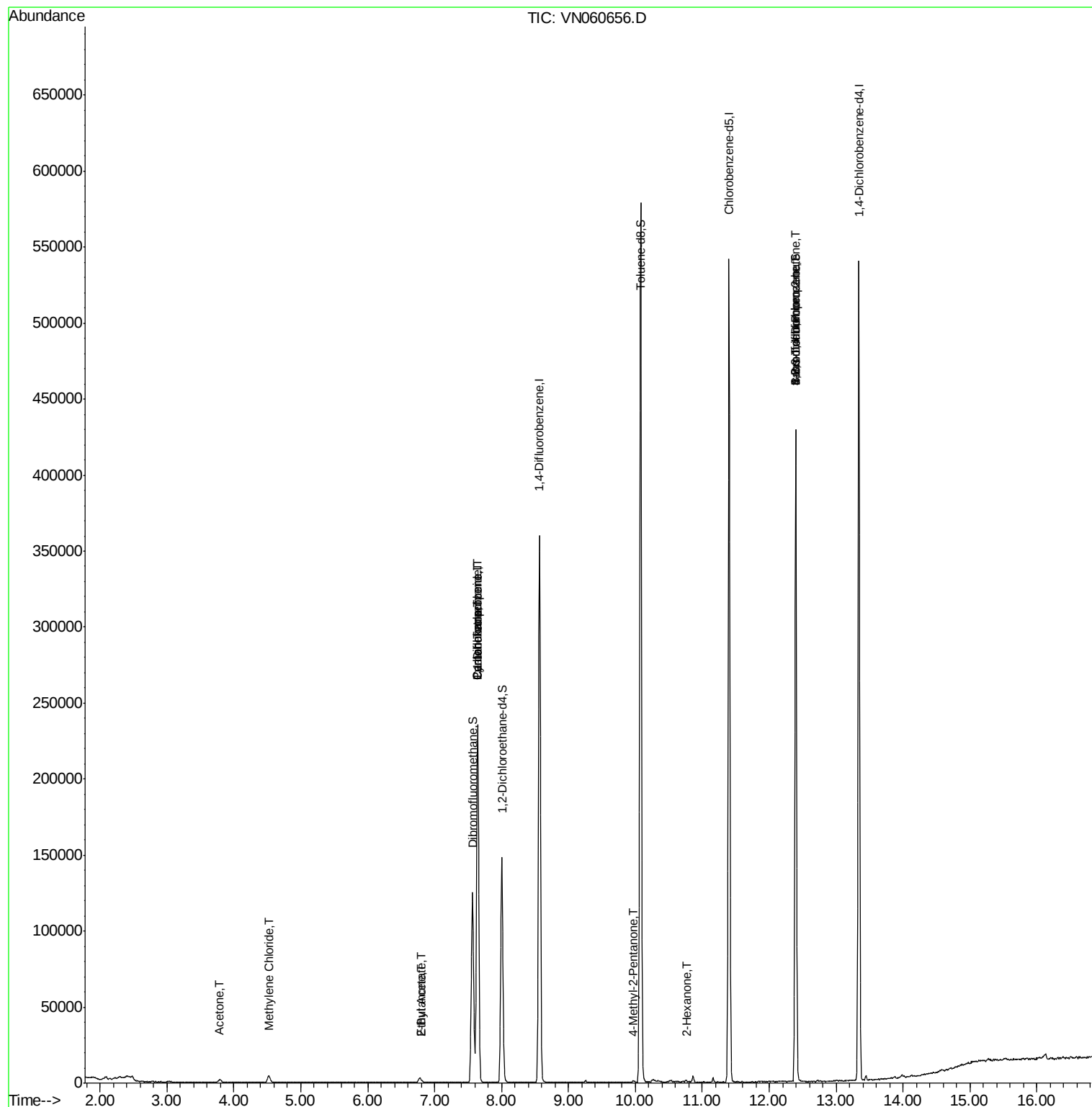
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3212	3.443	ug/l	89
20) Methylene Chloride	4.52	84	3647	1.589	ug/l #	87
25) 2-Butanone	6.82	43	840	0.557	ug/l #	50
31) Cyclohexane	7.64	56	4156	0.980	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14969	4.790	ug/l #	49
37) Ethyl Acetate	6.82	43	840	0.249	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18324	6.542	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	1116	0.352	ug/l #	52
59) 2-Hexanone	10.76	43	473	0.207	ug/l #	25
71) Bromoform	12.39	173	100	1.734	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	75679	24.729	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75679	63.511	ug/l #	13

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

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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# 1826

Delta R.T. 0.00 min

Lab File: VN060656.D

Acq: 20 Mar 2020 16:33

Instrument :

MSVOA_N

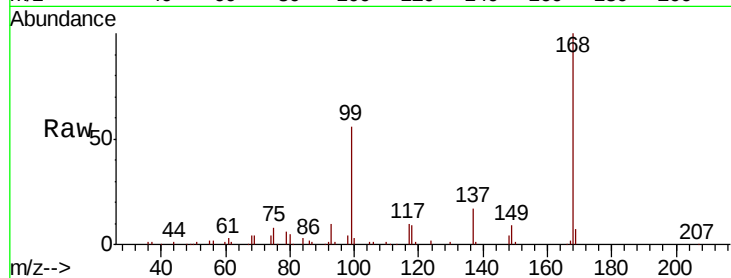
ClientSampleId :

Tot Ion:168 Resp: 191826

Ion Ratio Lower Upper

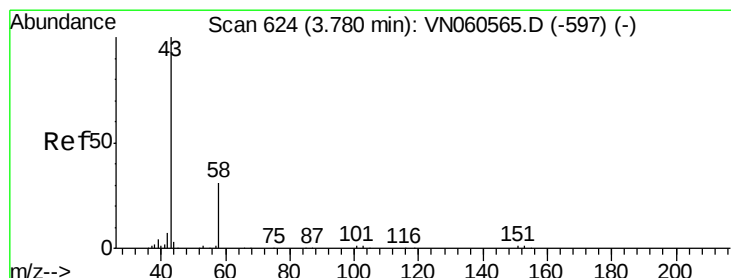
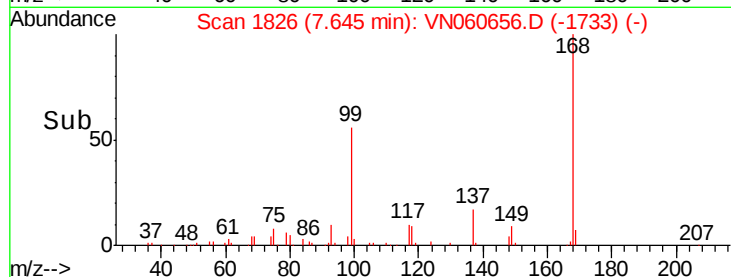
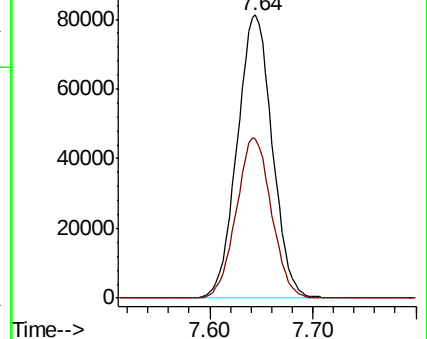
168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060656.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060656.D (-1807) (-)



#16

Acetone

Concen: 3.443 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060656.D

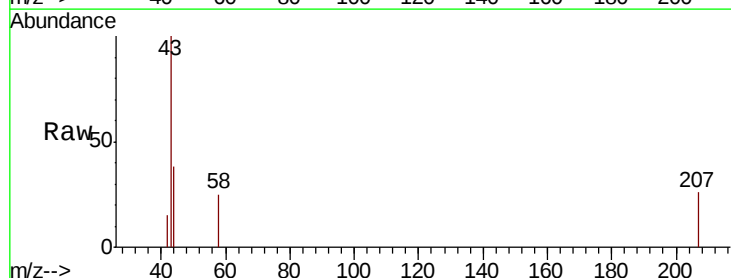
Acq: 20 Mar 2020 16:33

Tgt Ion: 43 Resp: 3212

Ion Ratio Lower Upper

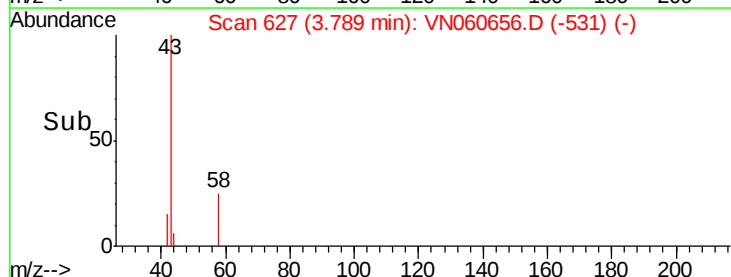
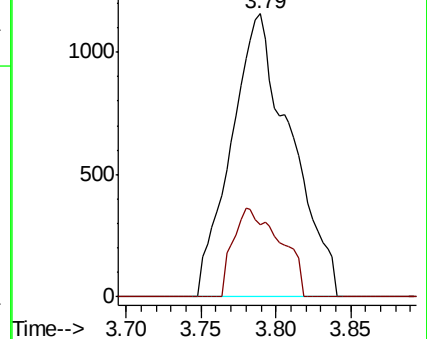
43 100

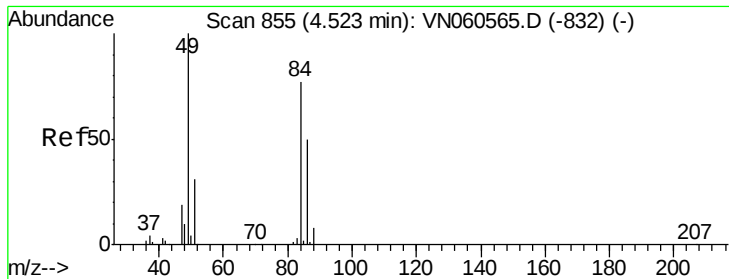
58 25.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060656.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060656.D (-597) (-)

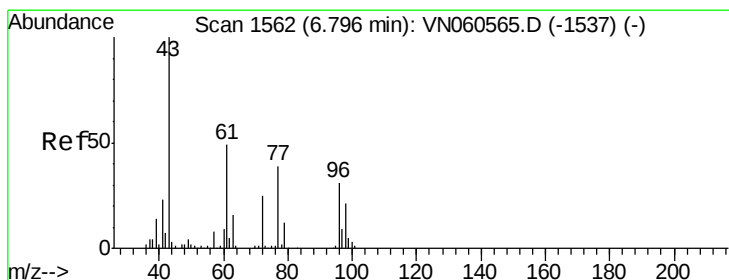
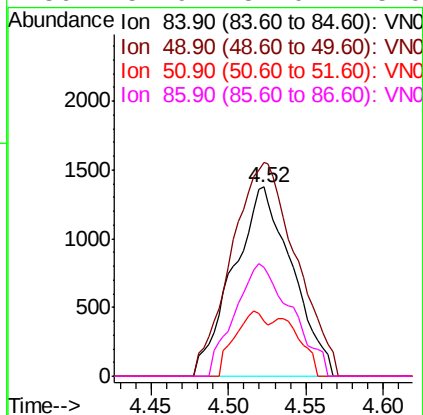
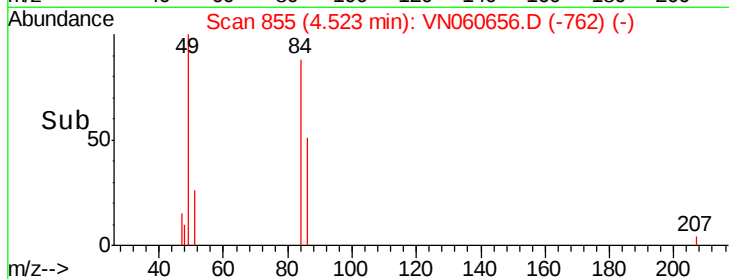
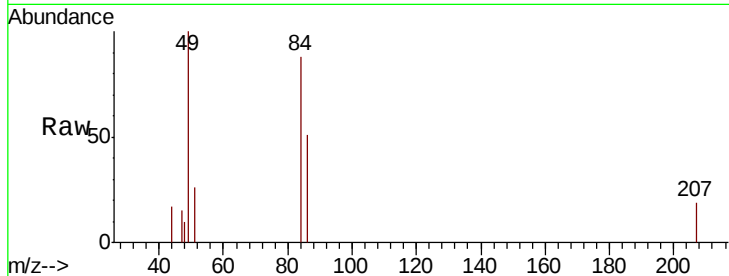




#20
Methvlene Chloride
Concen: 1.589 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

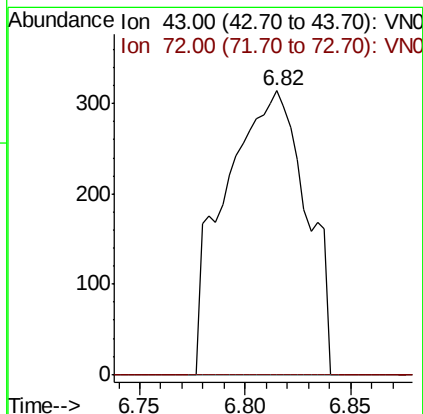
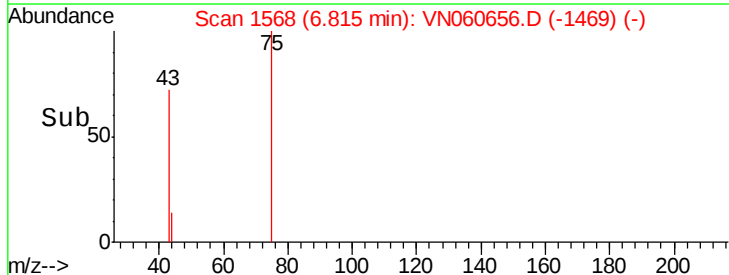
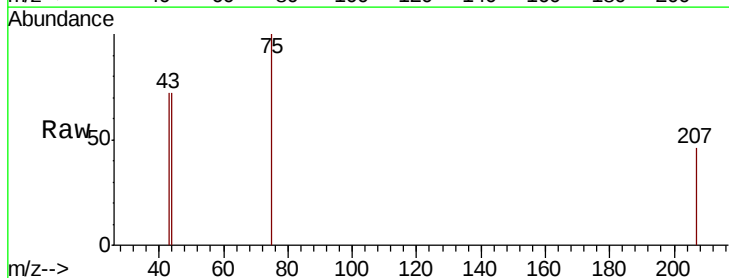
Instrument :
MSVOA_N
ClientSampled :

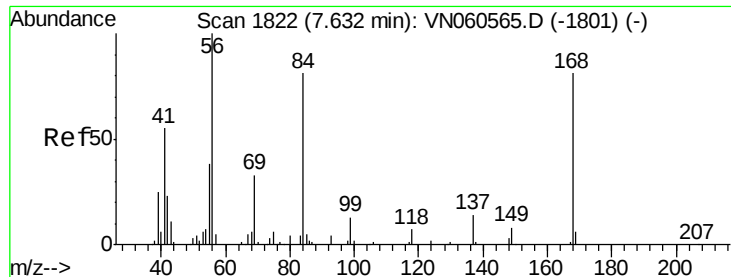
Tot Ion: 84 Resp: 3647
Ion Ratio Lower Upper
84 100
49 113.0 103.3 154.9
51 29.3 31.6 47.4#
86 57.9 52.0 78.0



#25
2-Butanone
Concen: 0.557 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#

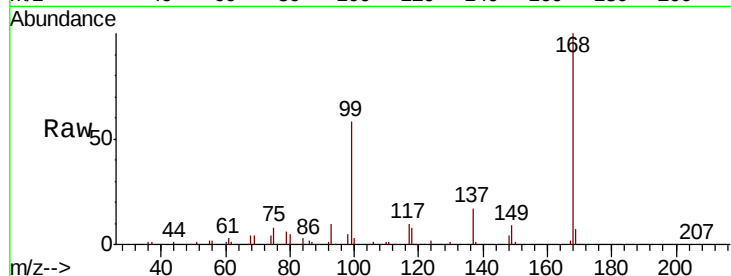




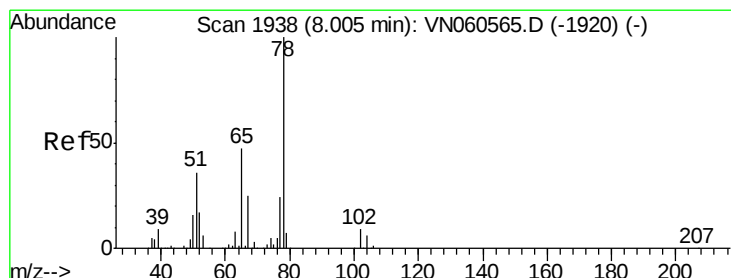
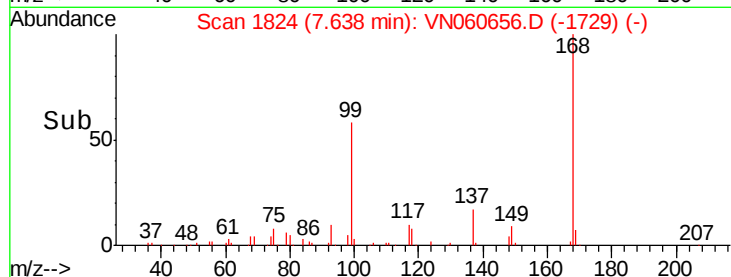
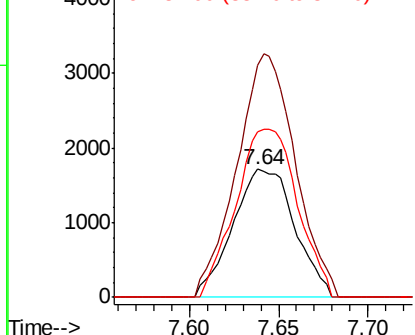
#31
Cyclohexane
Concen: 0.980 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4156
Ion Ratio Lower Upper
56 100
69 181.4 26.6 40.0#
84 129.6 64.3 96.5#

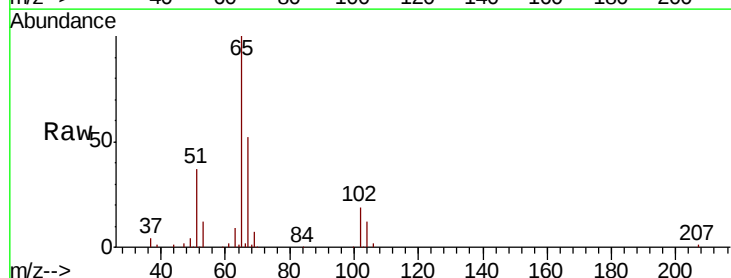


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

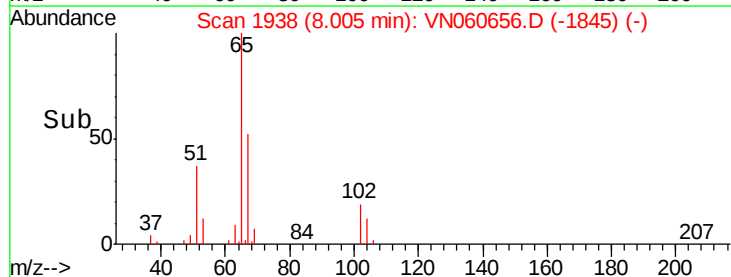
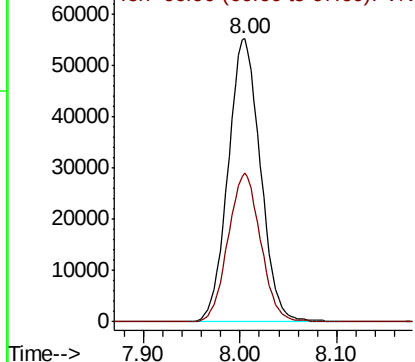


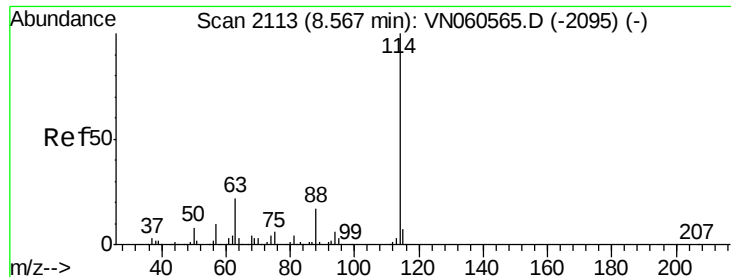
#33
1,2-Dichloroethane-d4
Concen: 48.600 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Tgt Ion: 65 Resp: 127980
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

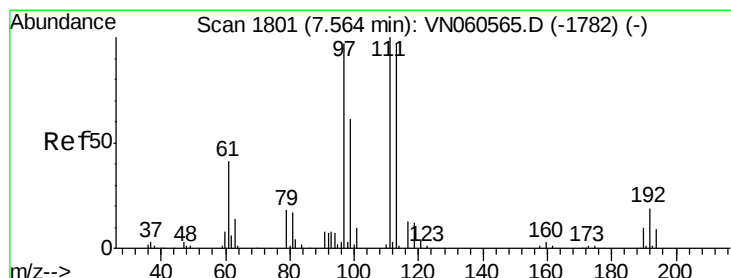
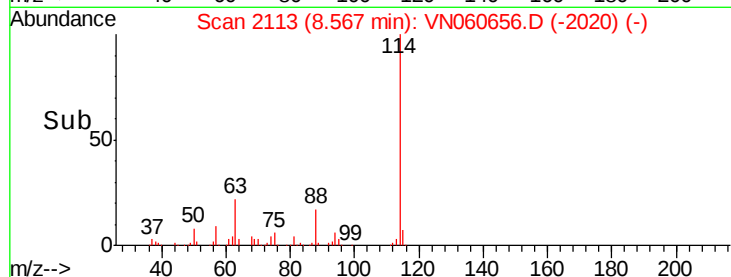
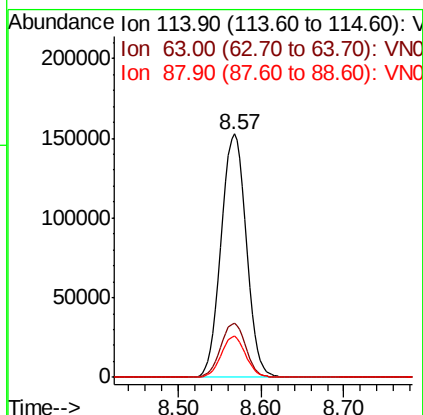
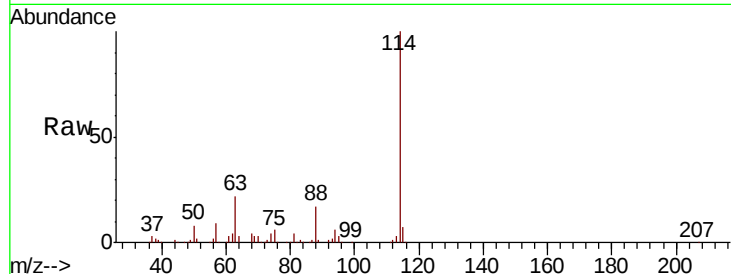




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060656.D
 Acq: 20 Mar 2020 16:33

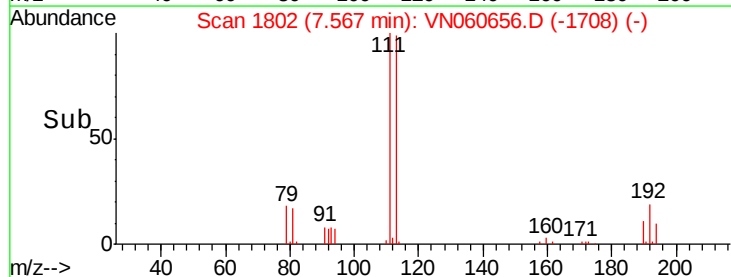
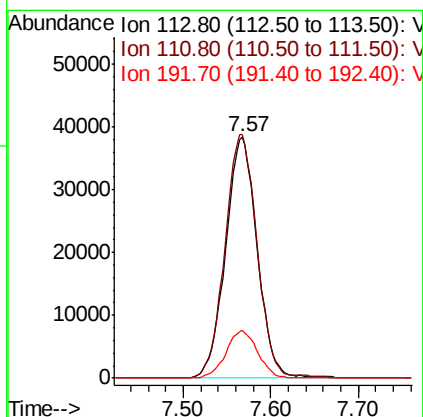
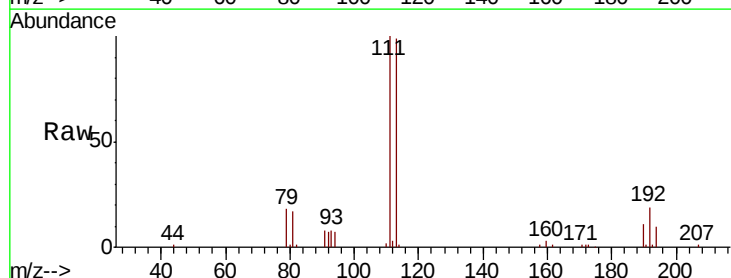
Instrument :
 MSVOA_N
 ClientSampleId :

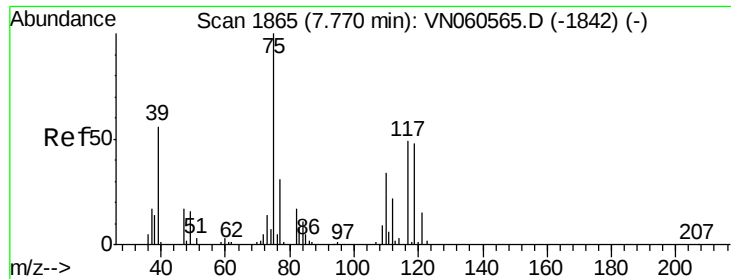
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.7	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 49.148 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060656.D
 Acq: 20 Mar 2020 16:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	19.8	15.8	23.8





#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060656.D

Acq: 20 Mar 2020 16:33

Instrument :

MSVOA_N

ClientSampled :

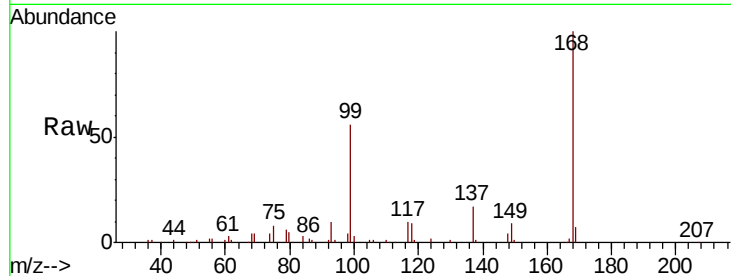
Tot Ion: 75 Resp: 14969

Ion Ratio Lower Upper

75 100

110 6.9 16.9 50.6#

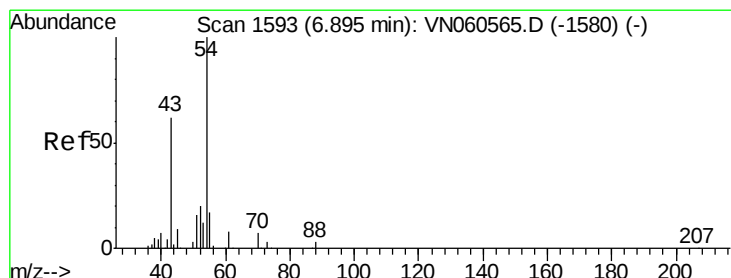
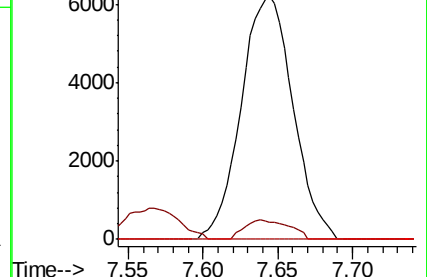
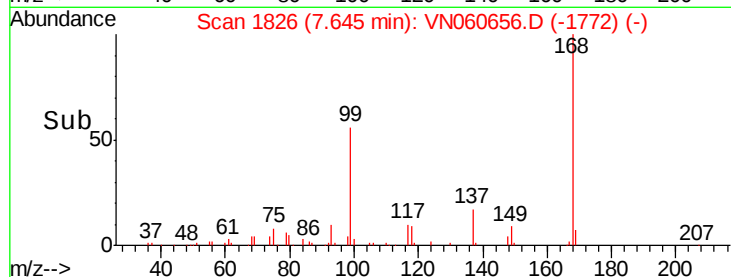
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060656.D (-1842) (-)

Ion 109.90 (109.60 to 110.60): VN060656.D (-1842) (-)

Ion 76.90 (76.60 to 77.60): VN060656.D (-1842) (-)



#37

Ethyl Acetate

Concen: 0.249 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.08 min

Lab File: VN060656.D

Acq: 20 Mar 2020 16:33

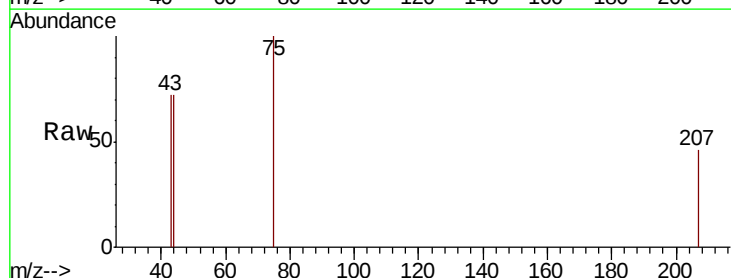
Tgt Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

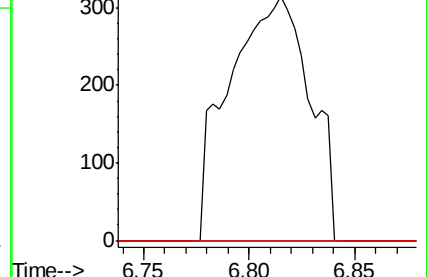
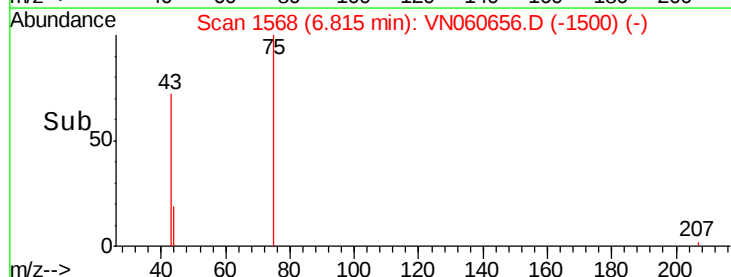
70 0.0 7.9 11.9#

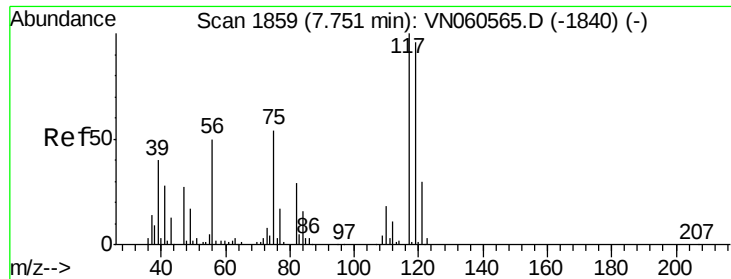


Abundance Ion 43.00 (42.70 to 43.70): VN060656.D (-1580) (-)

Ion 60.90 (60.60 to 61.60): VN060656.D (-1580) (-)

Ion 70.00 (69.70 to 70.70): VN060656.D (-1580) (-)

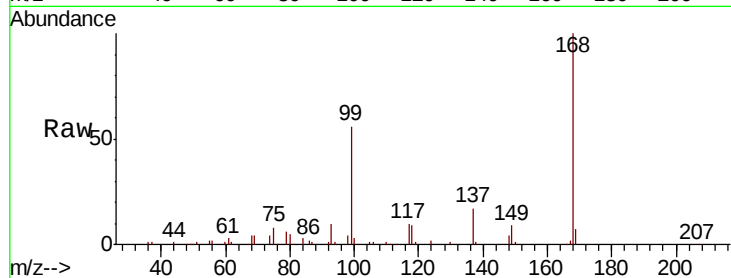




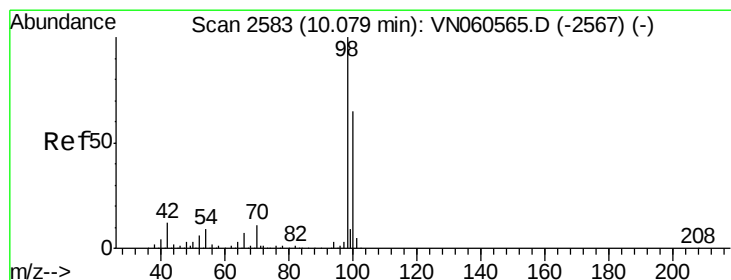
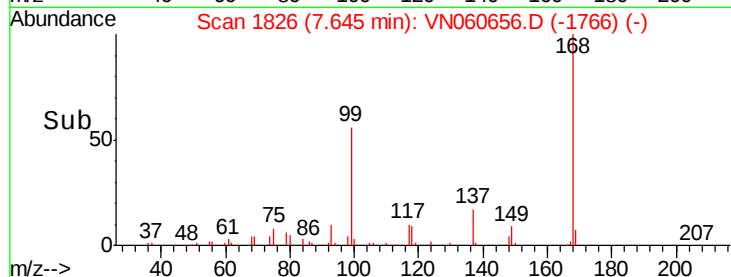
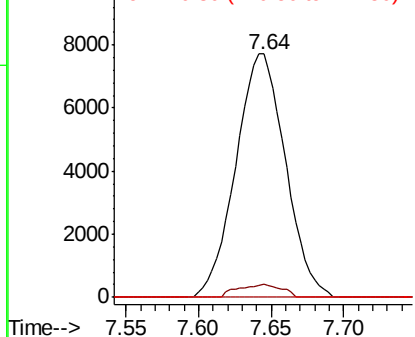
#38
Carbon Tetrachloride
Concen: 6.542 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 18324
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 23.7 35.5#

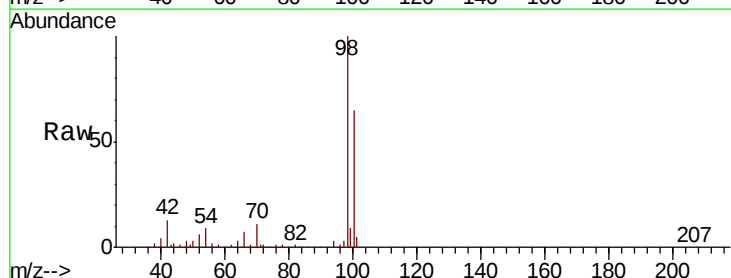


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

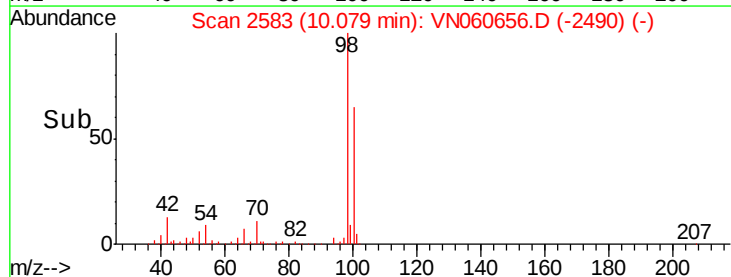
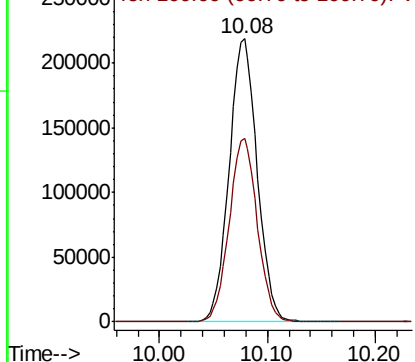


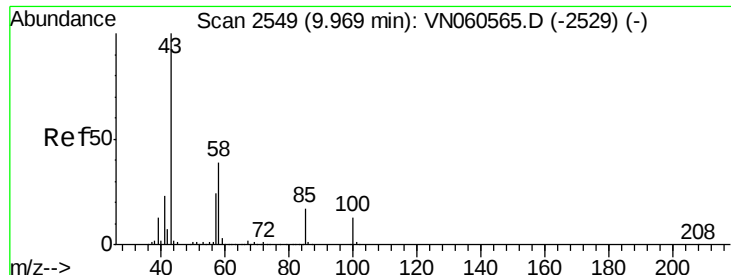
#50
Toluene-d8
Concen: 49.578 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Tgt Ion: 98 Resp: 395207
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

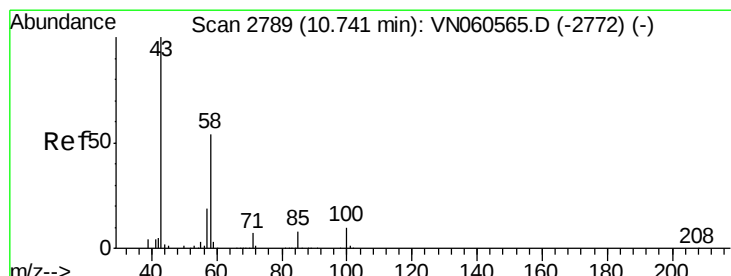
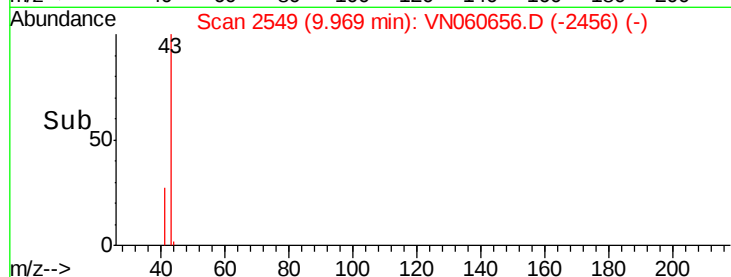
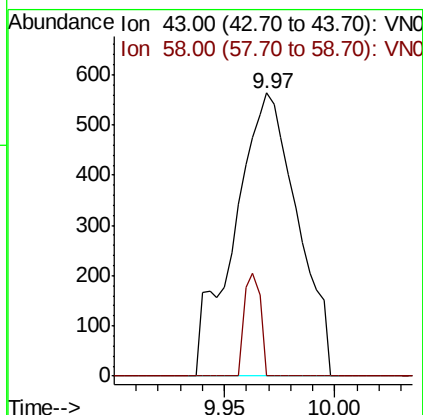
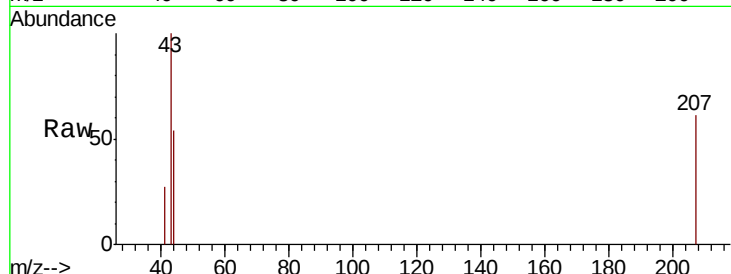




#51
4-Methyl-2-Pentanone
Concen: 0.352 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

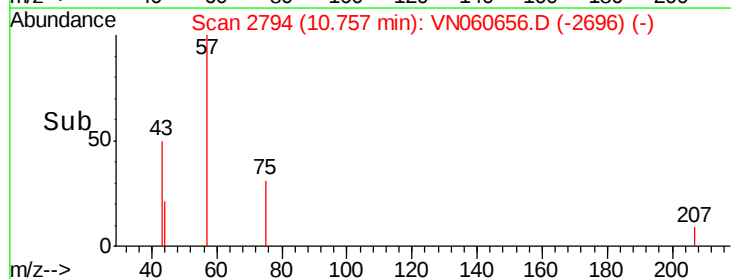
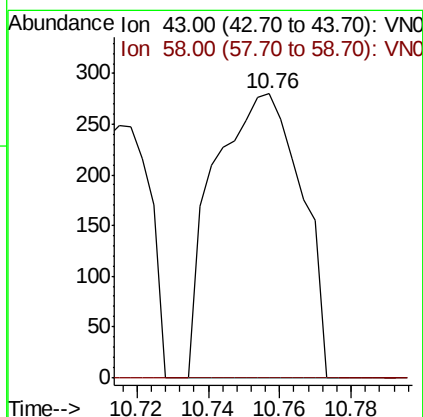
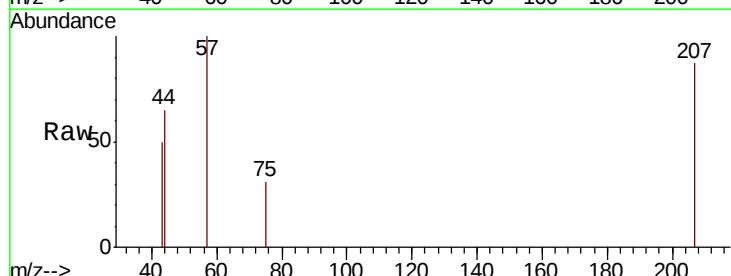
Instrument :
MSVOA_N
ClientSampled :

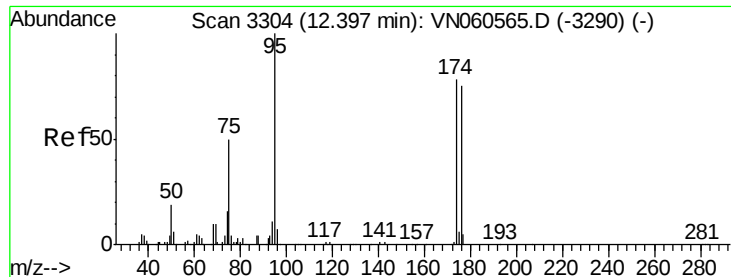
Tot Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 9.4 30.8 46.2#



#59
2-Hexanone
Concen: 0.207 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.271 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060656.D

Acq: 20 Mar 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

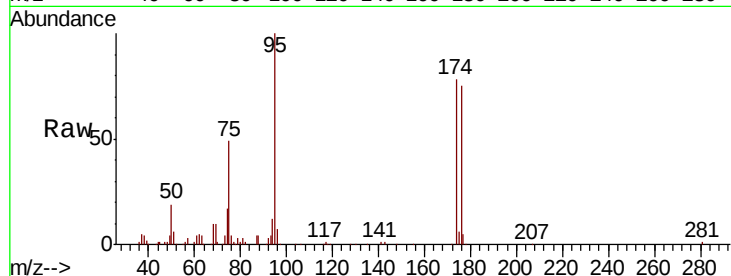
Tot Ion: 95 Resp: 149784

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.6

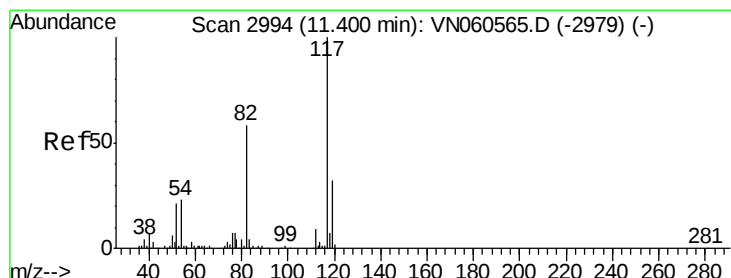
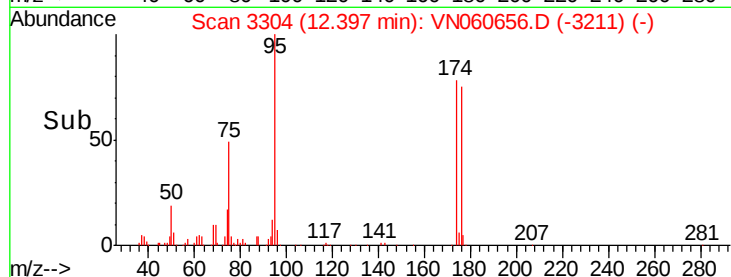
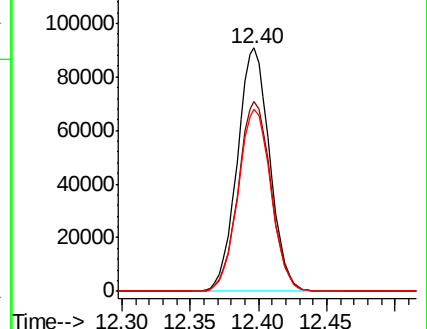
176 76.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060565.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060565.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060565.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060656.D

Acq: 20 Mar 2020 16:33

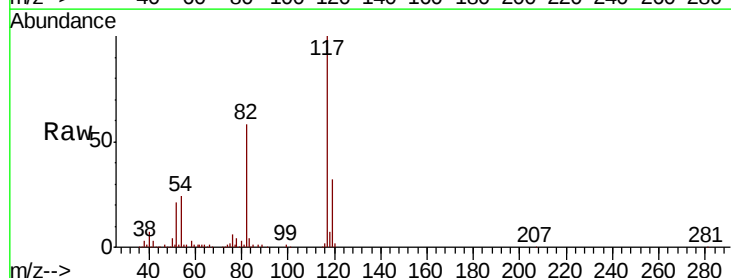
Tgt Ion: 117 Resp: 301967

Ion Ratio Lower Upper

117 100

82 58.0 46.7 70.1

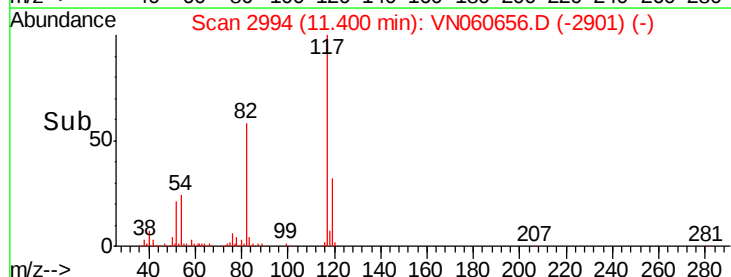
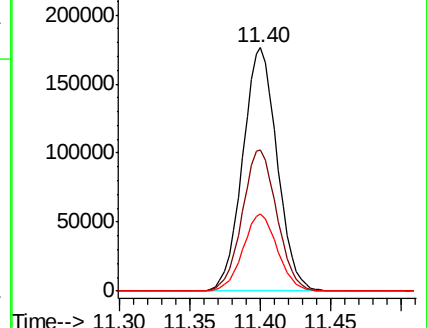
119 31.6 25.5 38.3

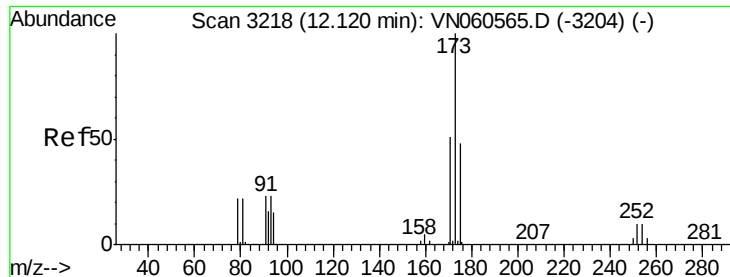


Abundance Ion 116.90 (116.60 to 117.60): VN060565.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060565.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060565.D (-2979) (-)

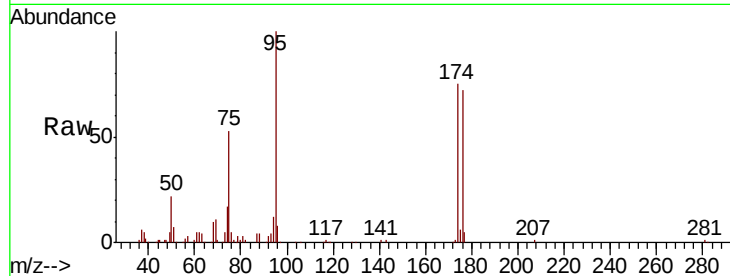




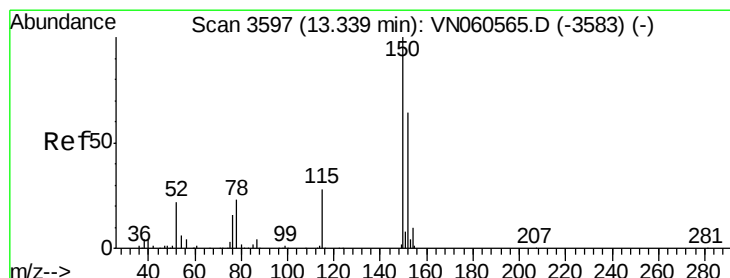
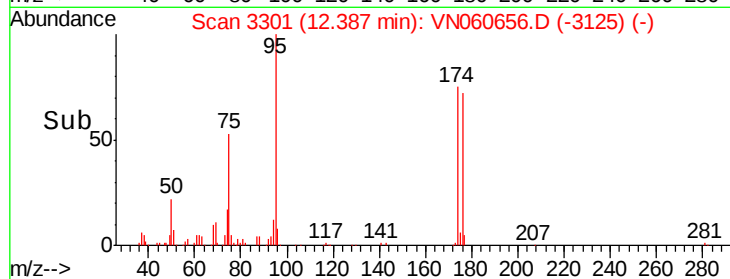
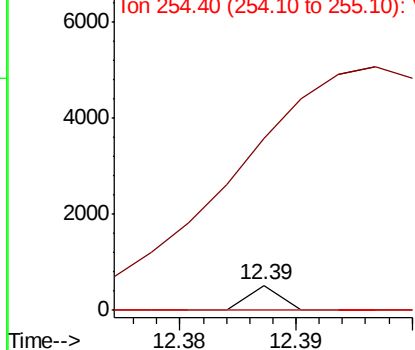
#71
Bromoform
Concen: 1.734 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 100
Ion Ratio Lower Upper
173 100
175 7194.0 24.1 72.4#
254 0.0 0.0 0.0

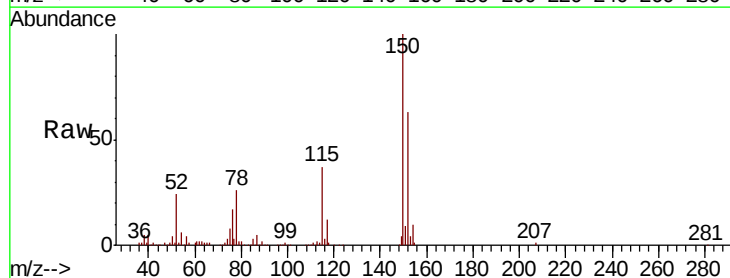


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

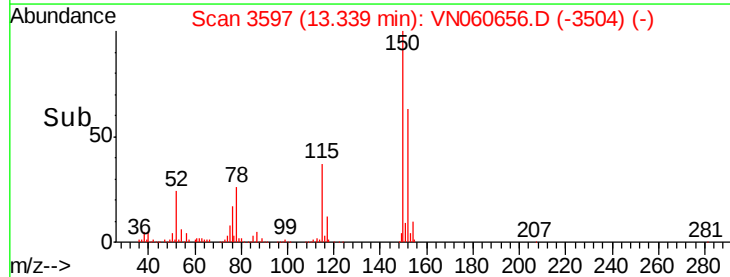
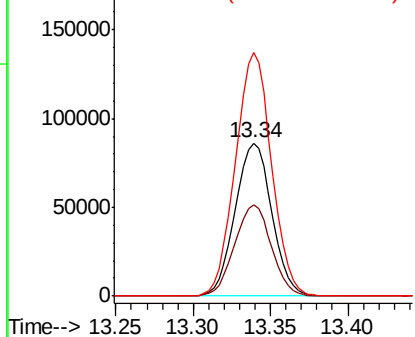


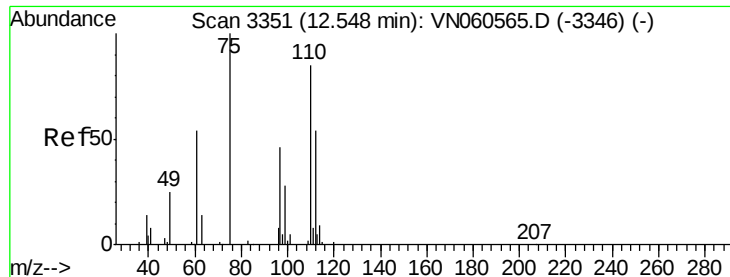
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060656.D
Acq: 20 Mar 2020 16:33

Tgt Ion:152 Resp: 141829
Ion Ratio Lower Upper
152 100
115 59.6 30.2 90.6
150 156.7 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: 24.729 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060656.D

Acq: 20 Mar 2020 16:33

Instrument :

MSVOA_N

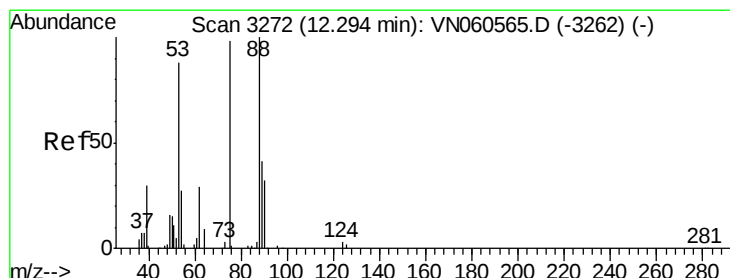
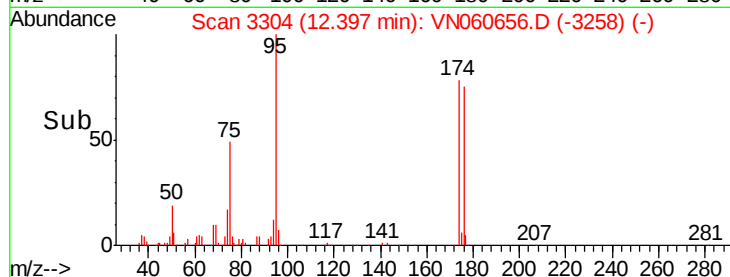
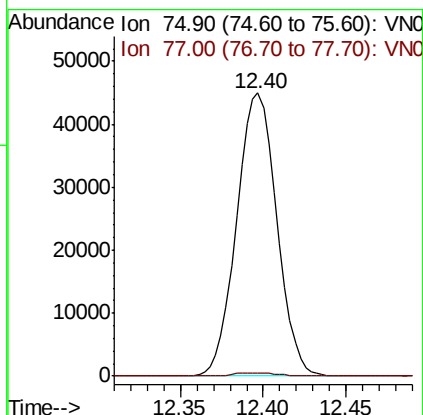
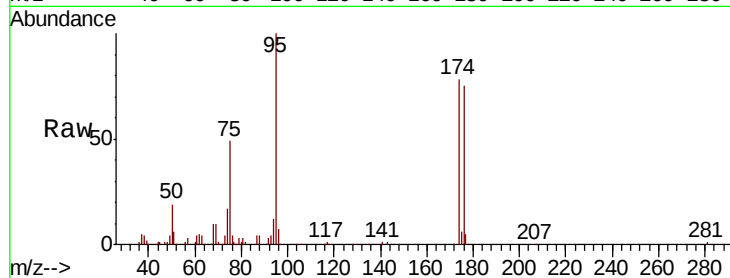
ClientSampled :

Tot Ion: 75 Resp: 75679

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.511 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060656.D

Acq: 20 Mar 2020 16:33

Tgt Ion: 75 Resp: 75679

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

