

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060670.D
 Acq On : 24 Mar 2020 14:28
 Operator : JC/MD
 Sample : L2023-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:52:11 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	195317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134772	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	128773	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	7.56	113	94574	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	10.08	98	396955	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	145314	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

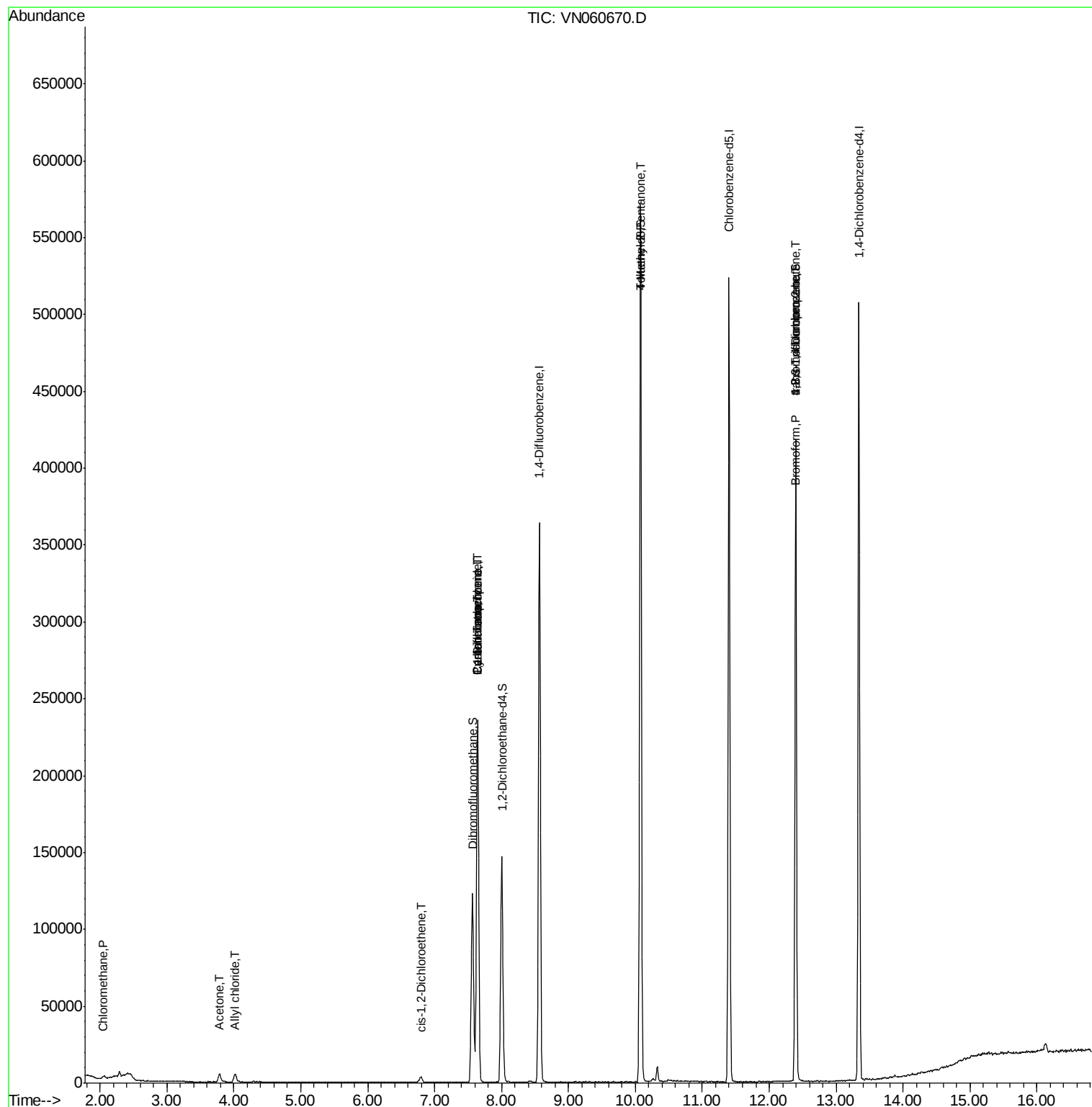
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	813	0.230	ug/l	95
14) Allyl chloride	4.01	41	754	0.203	ug/l #	43
16) Acetone	3.78	43	9821	10.341	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	1974	0.771	ug/l	69
31) Cyclohexane	7.64	56	4049	0.938	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15352	4.886	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18604	6.606	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	1856	0.583	ug/l #	1
71) Bromoform	12.38	173	73	1.720	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	73023	25.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73023	64.490	ug/l #	13

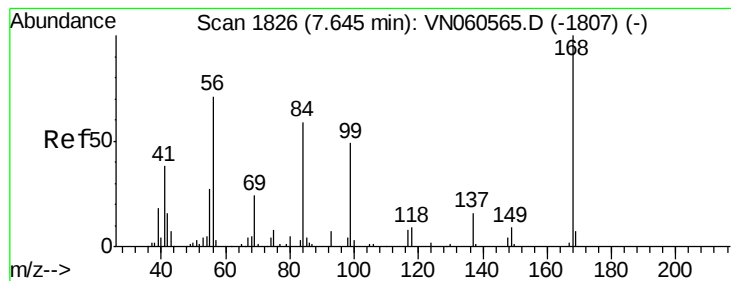
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032420\
Data File : VN060670.D
Acq On : 24 Mar 2020 14:28
Operator : JC/MD
Sample : L2023-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 25 03:52:11 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# 1826

Delta R.T. -0.00 min

Lab File: VN060670.D

Acq: 24 Mar 2020 14:28

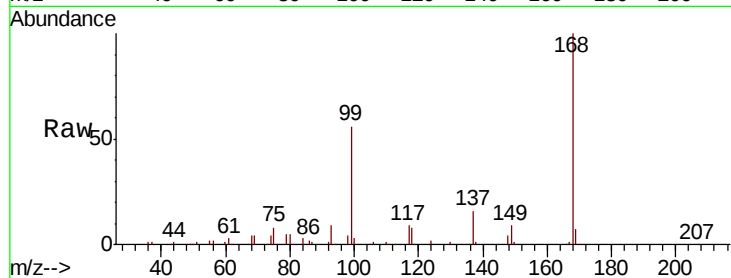
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 195317

Ion Ratio Lower Upper

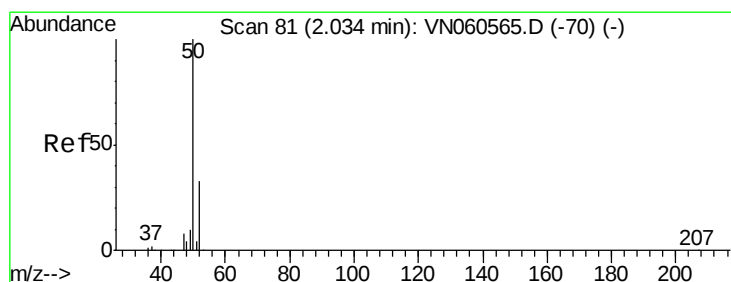
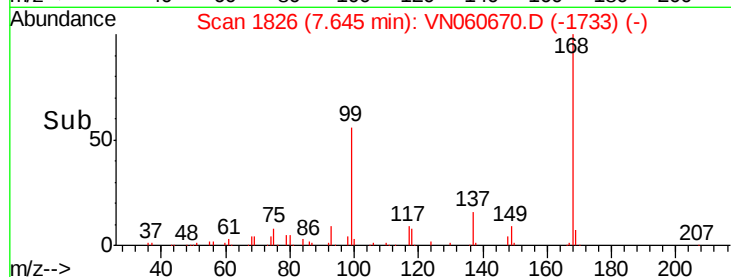
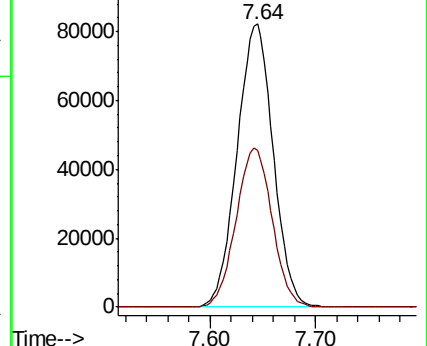
168 100

99 55.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.230 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060670.D

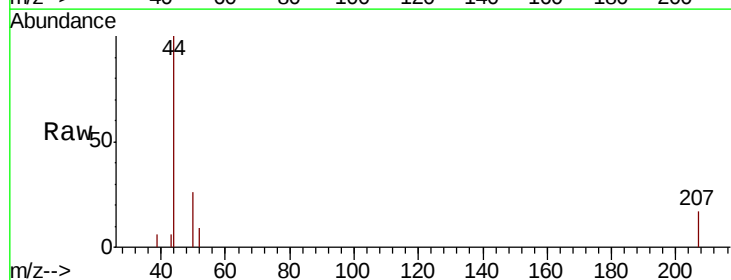
Acq: 24 Mar 2020 14:28

Tgt Ion: 50 Resp: 813

Ion Ratio Lower Upper

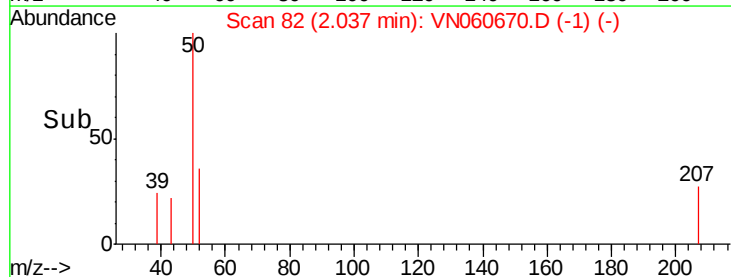
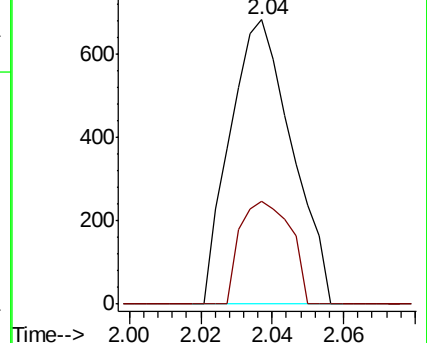
50 100

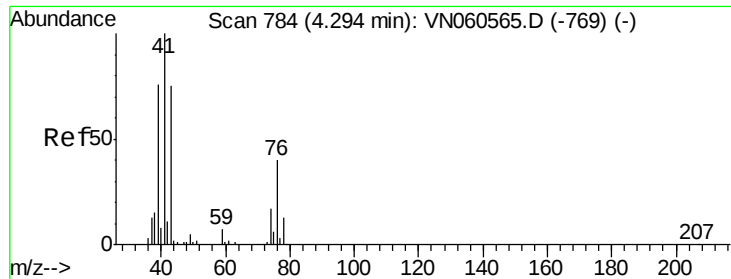
52 35.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

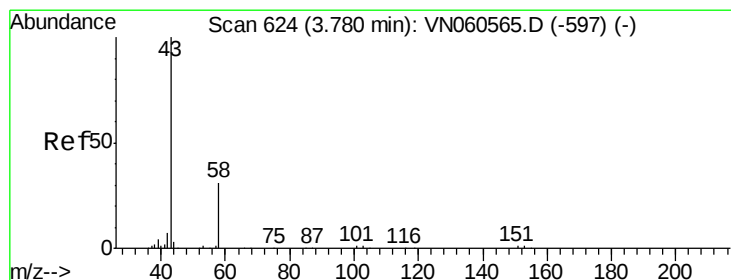
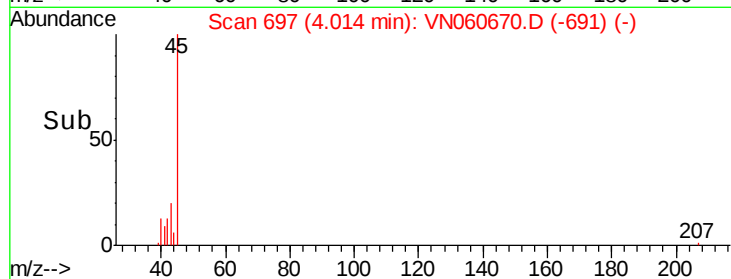
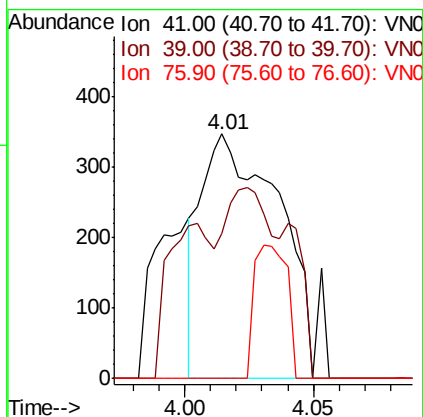
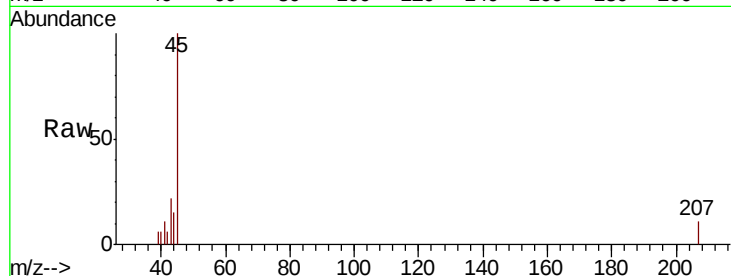




#14
Allvl chloride
Concen: 0.203 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.28 min
Lab File: VN060670.D
Acq: 24 Mar 2020 14:28

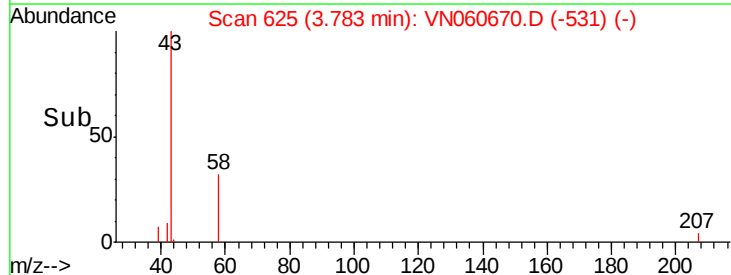
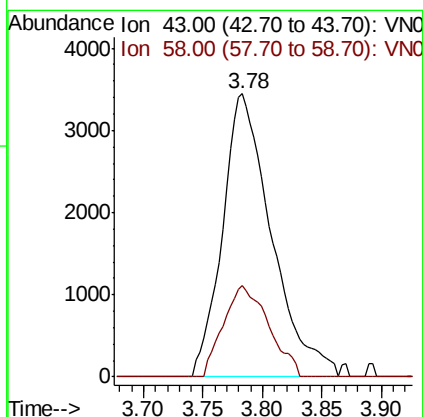
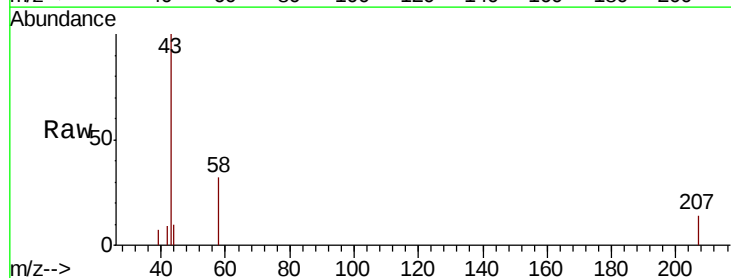
Instrument :
MSVOA_N
ClientSampled :

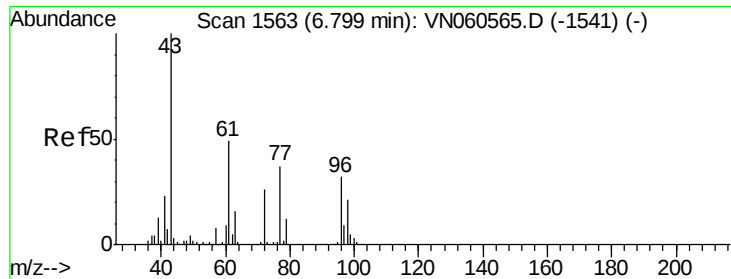
Tot Ion: 41 Resp: 754
Ion Ratio Lower Upper
41 100
39 10.7 57.8 86.8#
76 22.4 28.6 43.0#



#16
Acetone
Concen: 10.341 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.00 min
Lab File: VN060670.D
Acq: 24 Mar 2020 14:28

Tgt Ion: 43 Resp: 9821
Ion Ratio Lower Upper
43 100
58 32.3 25.1 37.7





#27

cis-1,2-Dichloroethene

Concen: 0.771 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060670.D

Acq: 24 Mar 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

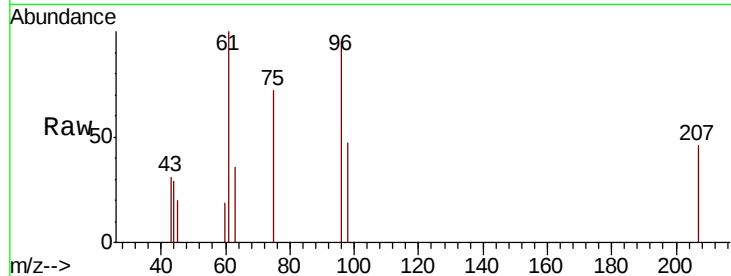
Tot Ion: 96 Resp: 1974

Ion Ratio Lower Upper

96 100

61 107.2 0.0 305.6

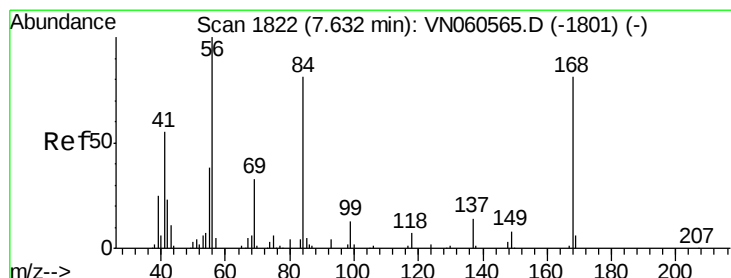
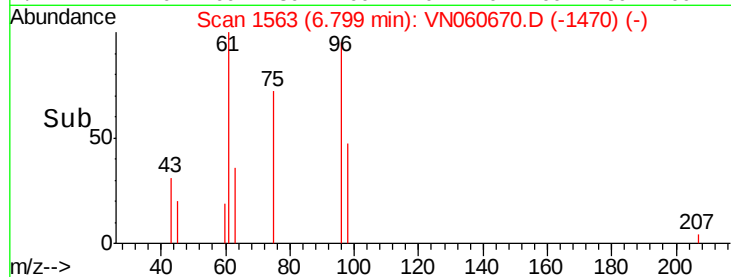
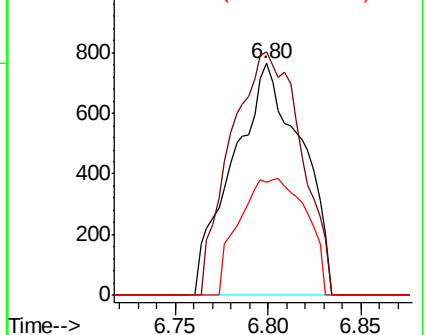
98 49.2 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060670.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN060670.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN060670.D (-1541) (-)



#31

Cyclohexane

Concen: 0.938 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060670.D

Acq: 24 Mar 2020 14:28

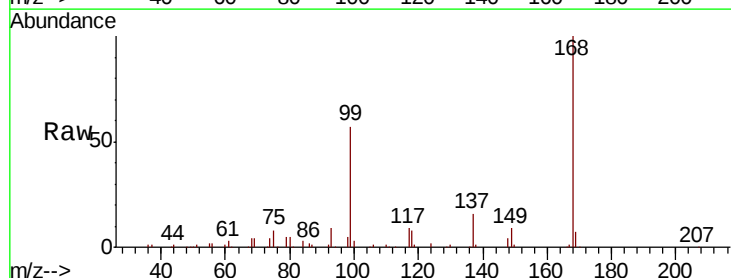
Tgt Ion: 56 Resp: 4049

Ion Ratio Lower Upper

56 100

69 171.3 26.6 40.0#

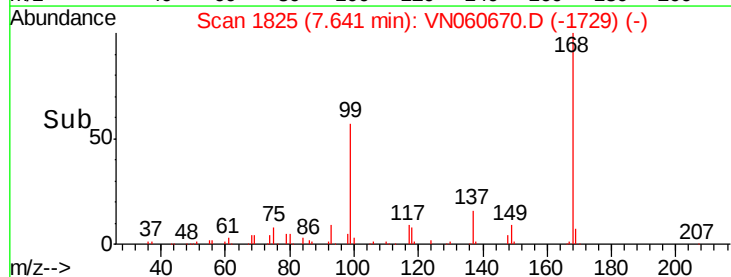
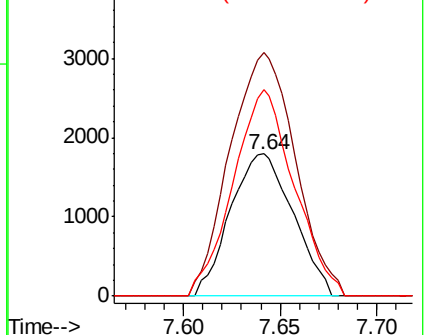
84 145.6 64.3 96.5#

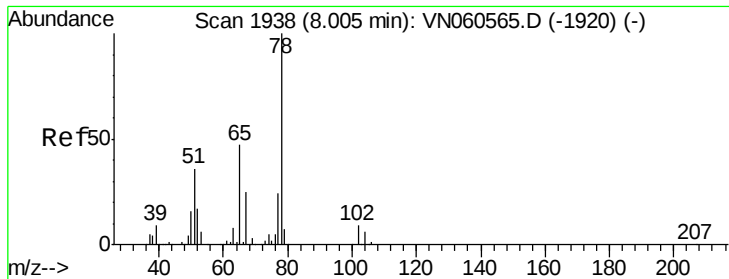


Abundance Ion 56.00 (55.70 to 56.70): VN060670.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060670.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060670.D (-1801) (-)

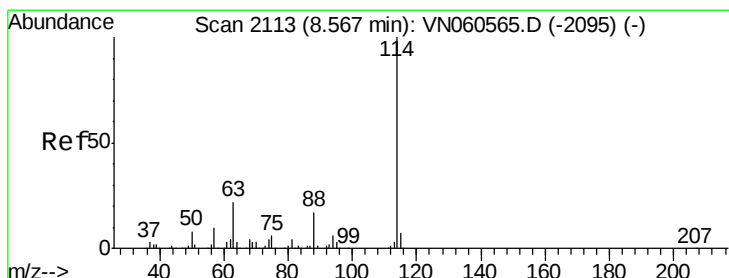
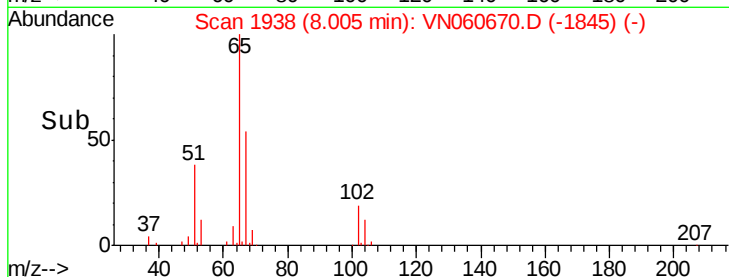
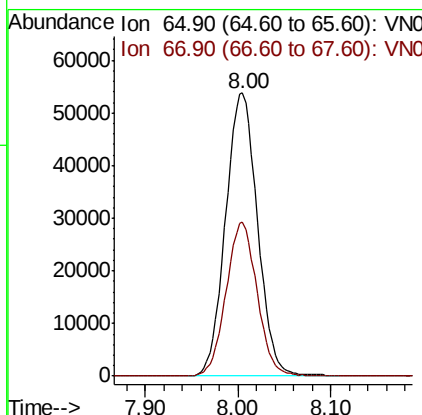
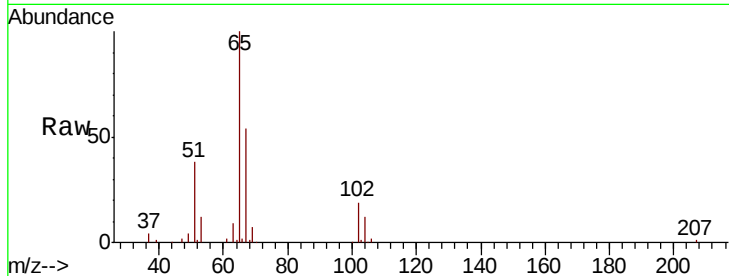




#33
 1,2-Dichloroethane-d4
 Concen: 48.027 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060670.D
 Acq: 24 Mar 2020 14:28

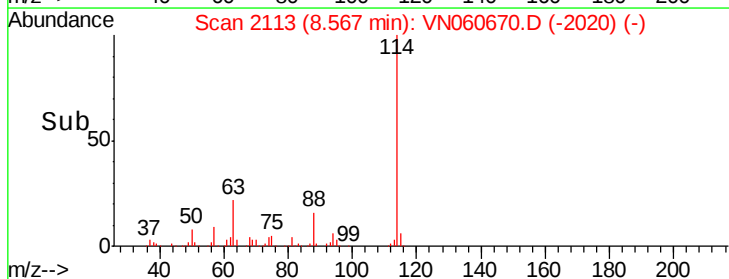
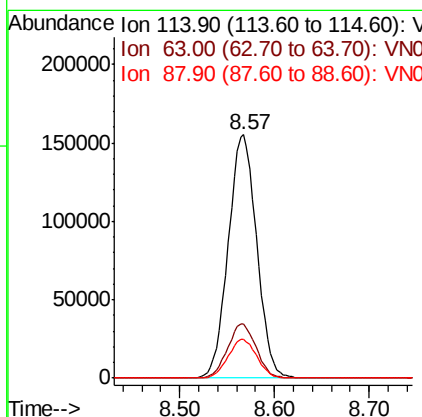
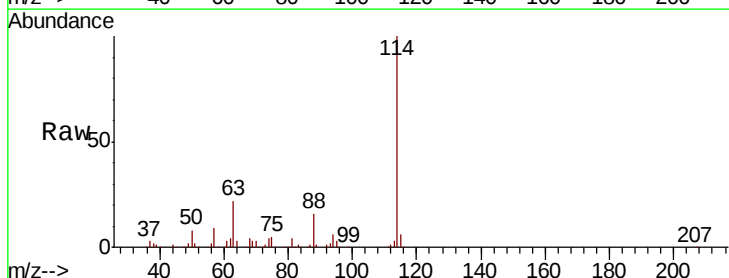
Instrument :
 MSVOA_N
 ClientSampleId :

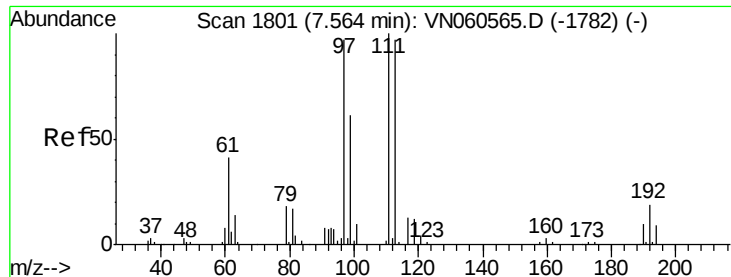
Tot Ion: 65 Resp: 128773
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060670.D
 Acq: 24 Mar 2020 14:28

Tgt Ion: 114 Resp: 324500
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 15.8 0.0 33.0

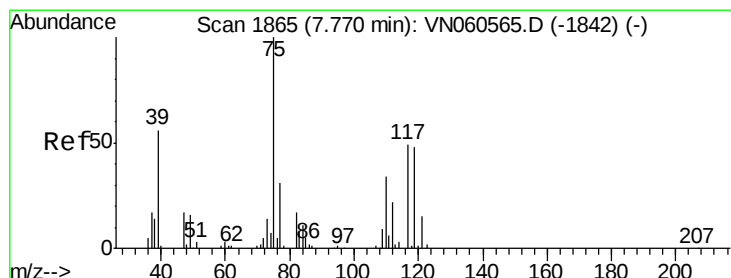
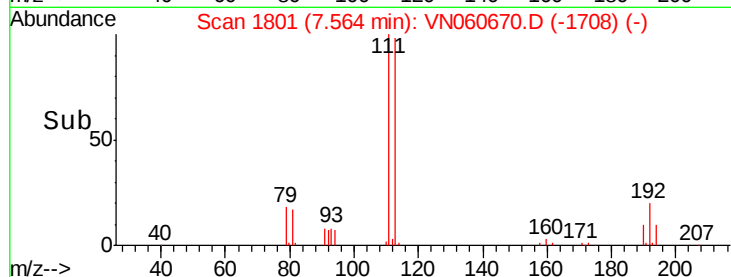
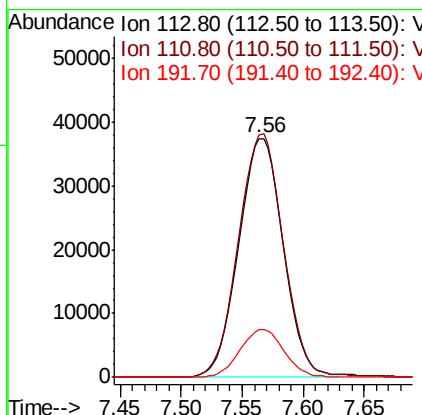
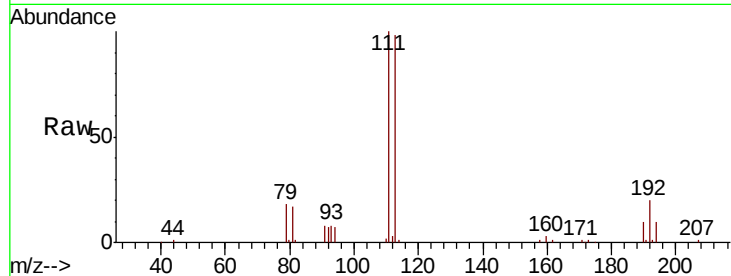




#35
 Dibromofluoromethane
 Concen: 48.199 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060670.D
 Acq: 24 Mar 2020 14:28

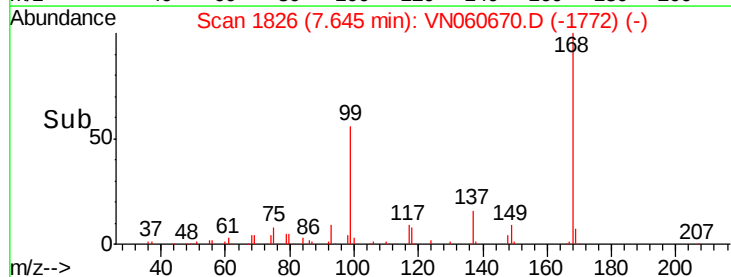
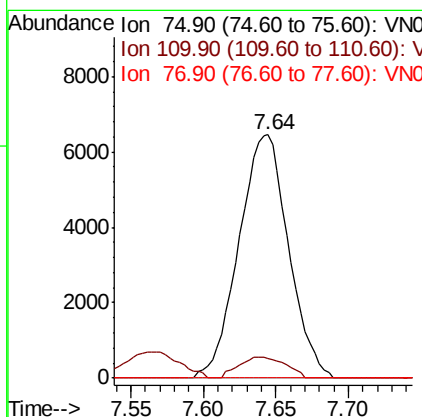
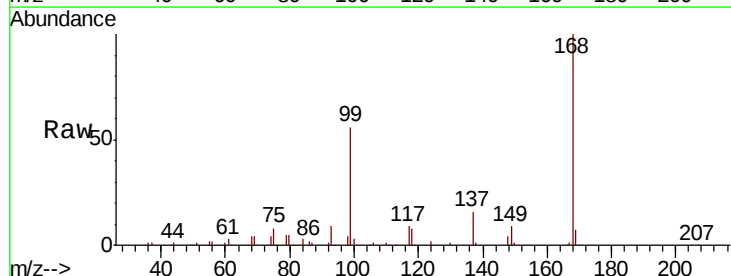
Instrument :
 MSVOA_N
 ClientSampled :

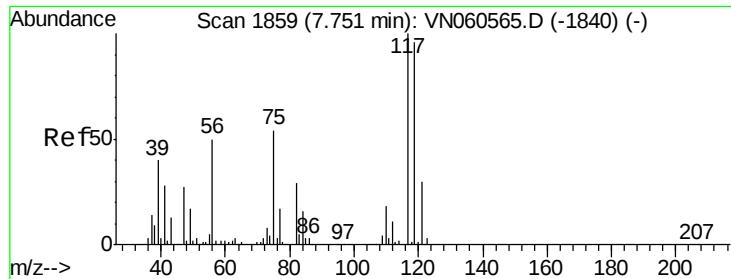
Tot Ion:113 Resp: 94574
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.886 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060670.D
 Acq: 24 Mar 2020 14:28

Tgt Ion: 75 Resp: 15352
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.0 24.6 36.8#

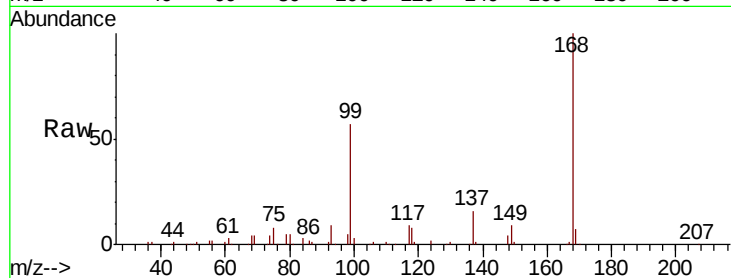




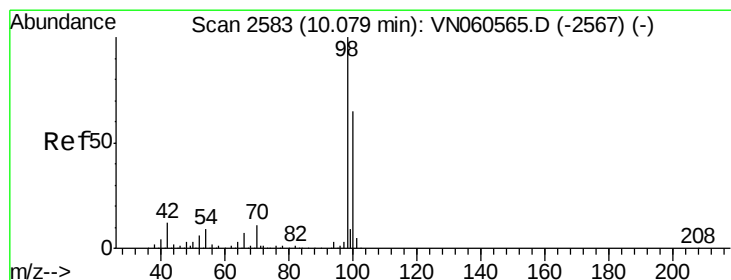
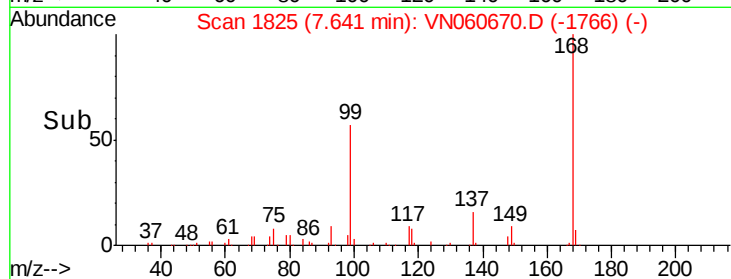
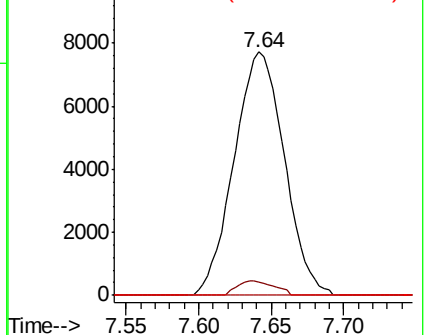
#38
Carbon Tetrachloride
Concen: 6.606 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060670.D
Acq: 24 Mar 2020 14:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 18604
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 23.7 35.5#

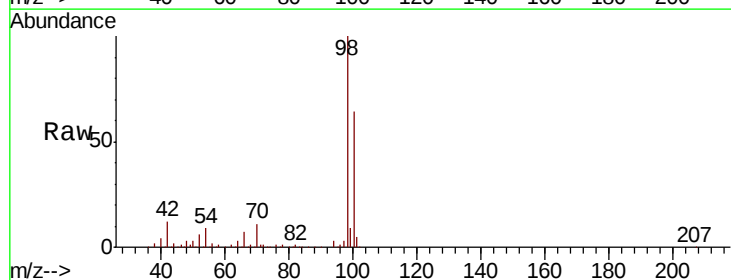


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

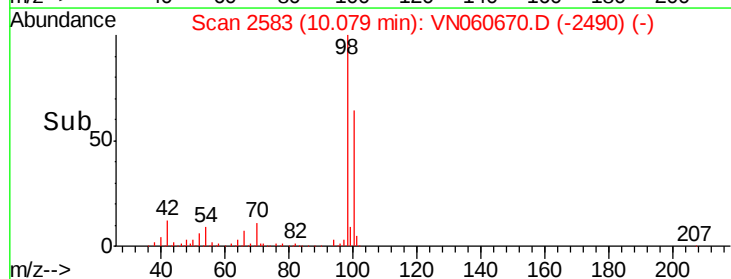
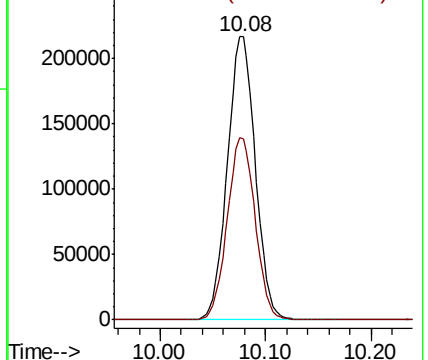


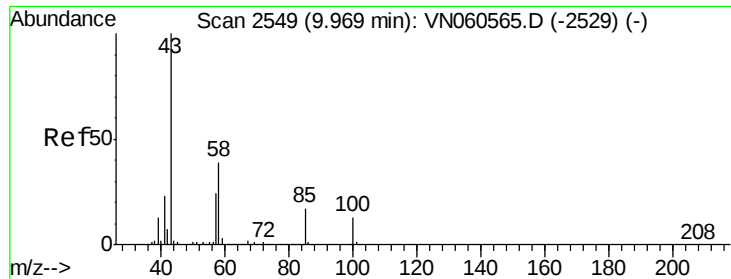
#50
Toluene-d8
Concen: 49.529 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060670.D
Acq: 24 Mar 2020 14:28

Tgt Ion: 98 Resp: 396955
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060670.D

Acq: 24 Mar 2020 14:28

Instrument :

MSVOA_N

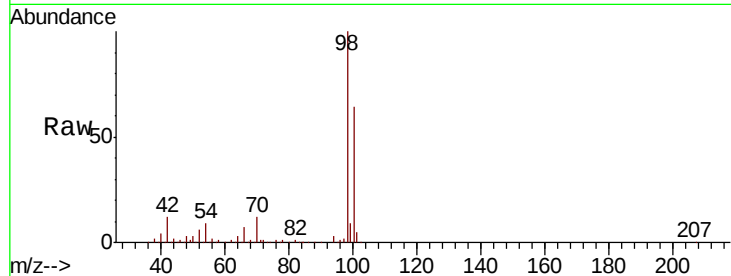
ClientSampled :

Tot Ion: 43 Resp: 1856

Ion Ratio Lower Upper

43 100

58 184.5 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060670.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060670.D (-2529) (-)

2000

1500

1000

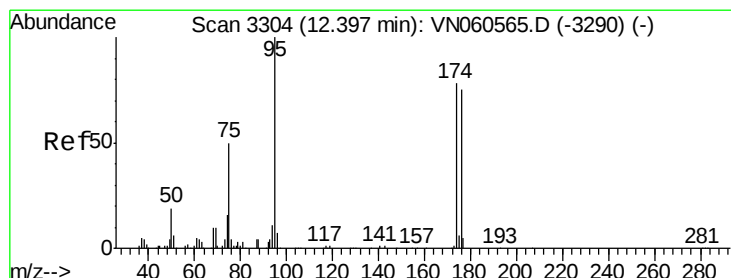
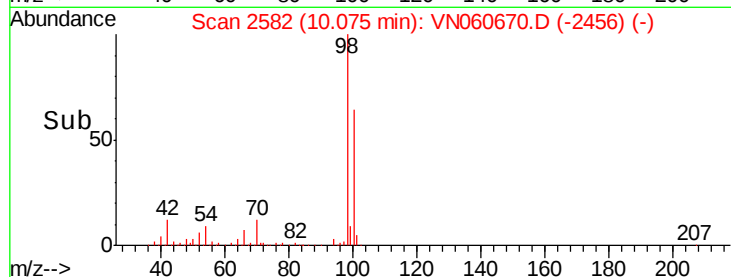
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 49.473 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060670.D

Acq: 24 Mar 2020 14:28

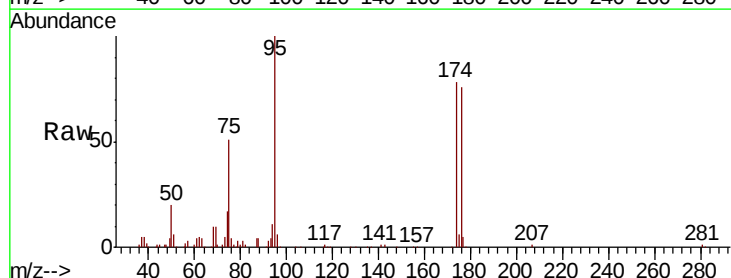
Tgt Ion: 95 Resp: 145314

Ion Ratio Lower Upper

95 100

174 78.2 0.0 157.6

176 76.4 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060670.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060670.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060670.D (-3290) (-)

120000

100000

80000

60000

40000

20000

0

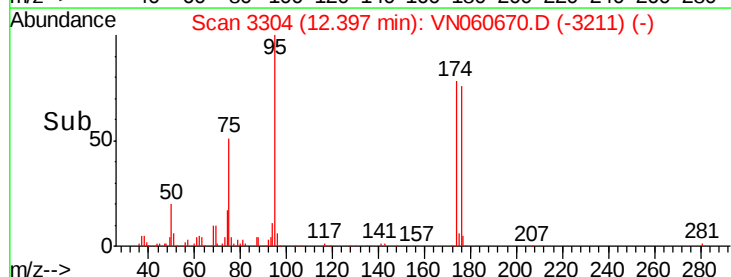
12.30

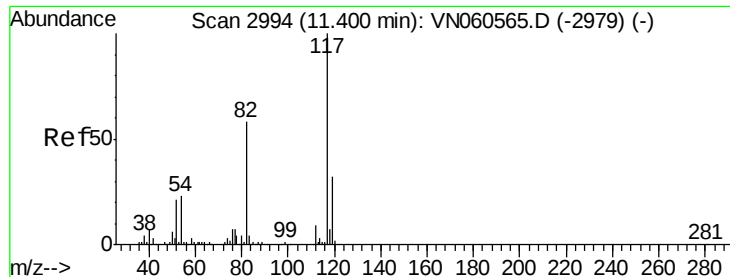
12.35

12.40

12.45

Time-->

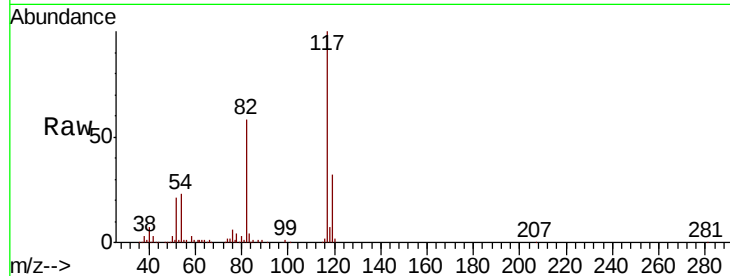




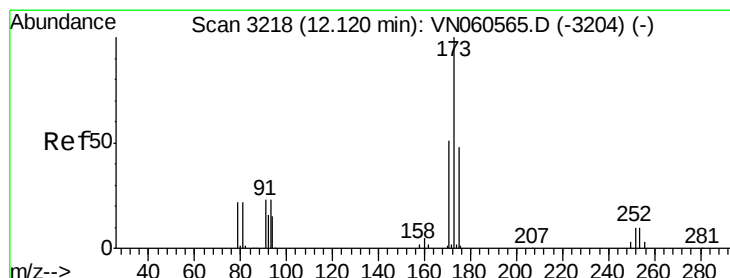
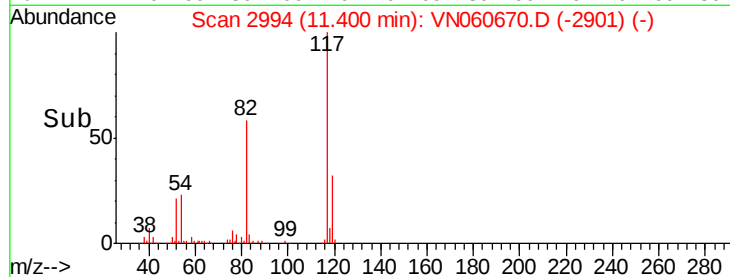
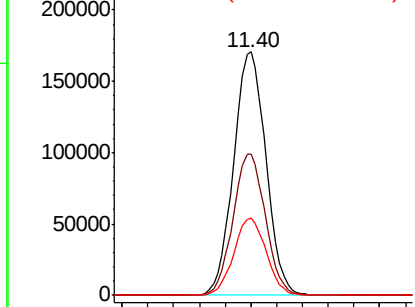
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060670.D
Acq: 24 Mar 2020 14:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 297778
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 31.7 25.5 38.3

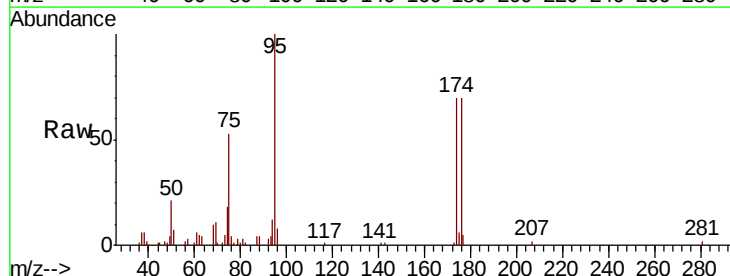


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

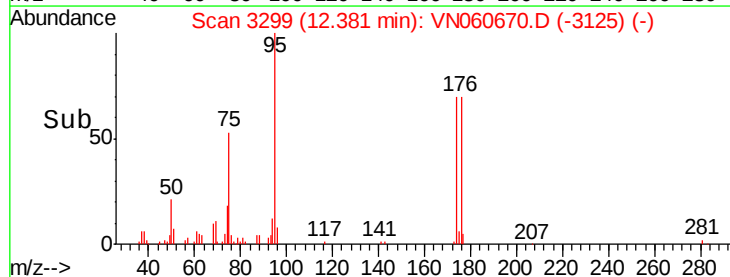
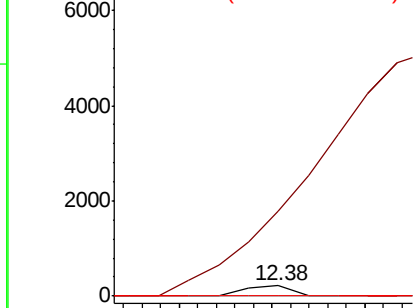


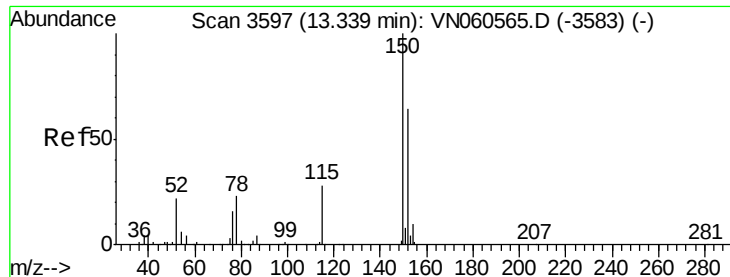
#71
Bromoform
Concen: 1.720 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.26 min
Lab File: VN060670.D
Acq: 24 Mar 2020 14:28

Tgt Ion:173 Resp: 73
Ion Ratio Lower Upper
173 100
175 0.0 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: VN060670.D

Acq: 24 Mar 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

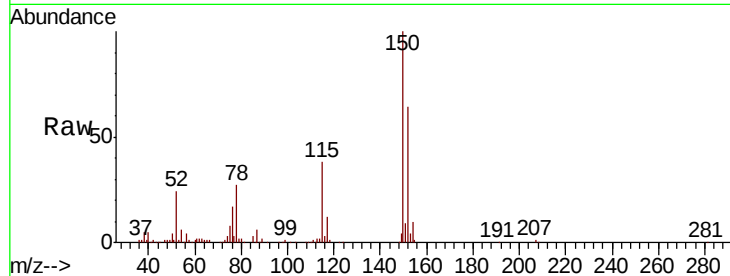
Tot Ion:152 Resp: 134772

Ion Ratio Lower Upper

152 100

115 59.2 30.2 90.6

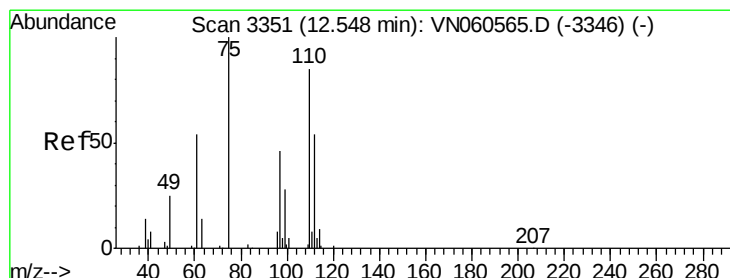
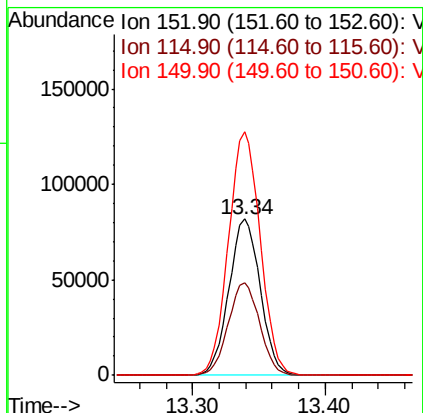
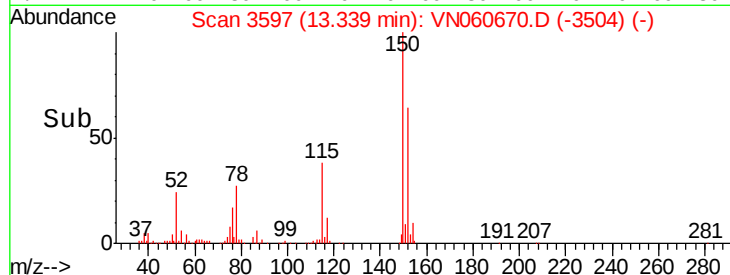
150 157.4 0.0 350.2



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: 25.110 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060670.D

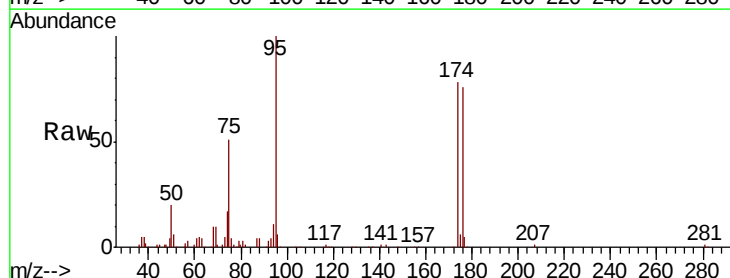
Acq: 24 Mar 2020 14:28

Tgt Ion: 75 Resp: 73023

Ion Ratio Lower Upper

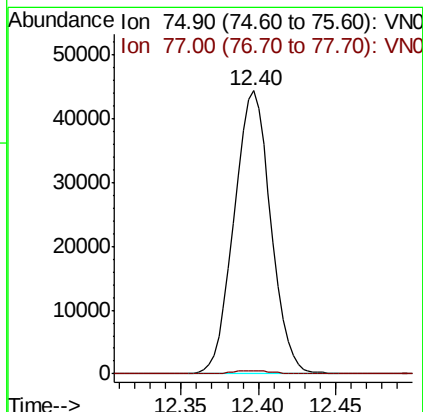
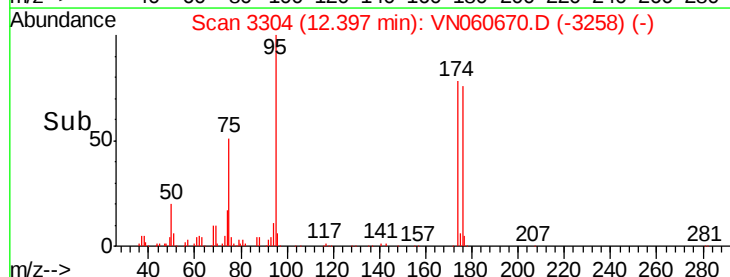
75 100

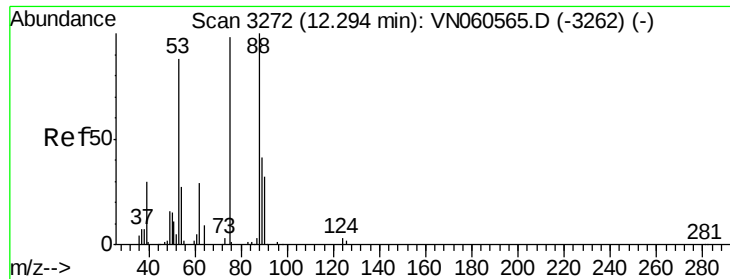
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.490 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060670.D

Acq: 24 Mar 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 73023

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

