

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060192.D
 Acq On : 21 Feb 2020 16:58
 Operator : JC/MD
 Sample : L1658-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:26:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	282303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	264295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	114088	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	104733	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	7.56	113	82898	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.08	98	341181	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	121892	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	

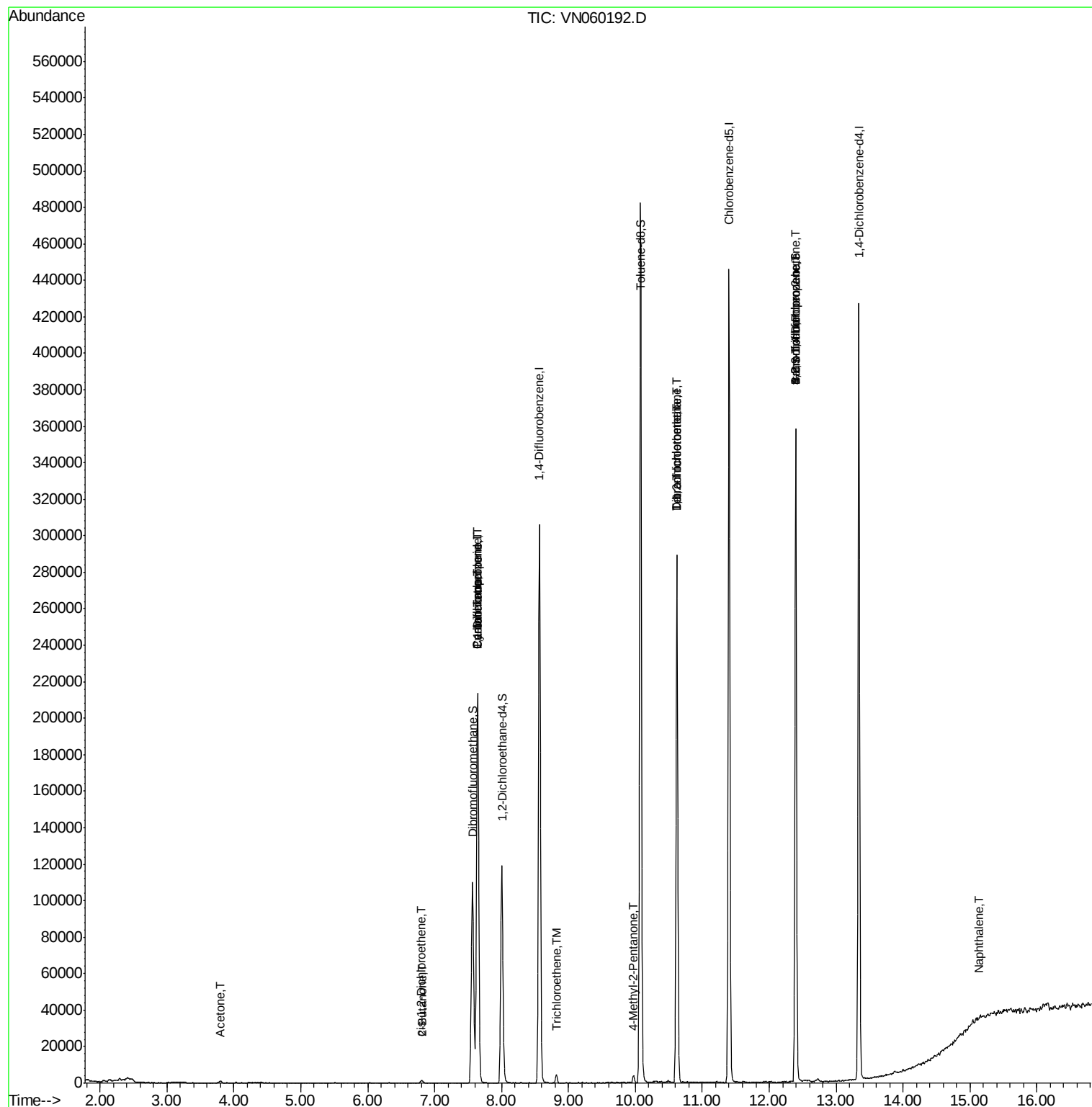
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	1948	2.051	ug/l #	82
25) 2-Butanone	6.82	43	327	0.274	ug/l #	46
27) cis-1,2-Dichloroethene	6.80	96	926	0.429	ug/l	68
31) Cyclohexane	7.64	56	3601	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13369	5.113	ug/l #	45
38) Carbon Tetrachloride	7.64	117	16495	5.809	ug/l #	15
44) Trichloroethene	8.82	130	1880	0.875	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	2825	1.208	ug/l	96
55) 1,1,2-Trichloroethane	10.62	97	395	0.204	ug/l #	36
60) Dibromochloromethane	10.62	129	61304	27.530	ug/l #	11
64) Tetrachloroethene	10.62	164	69550	34.617	ug/l	98
71) Bromoform	12.39	173	364	0.222	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	61790	28.308	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61790	69.313	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.29	75	59	Below Cal	#	1
95) Naphthalene	15.13	128	1198	0.206	ug/l #	76

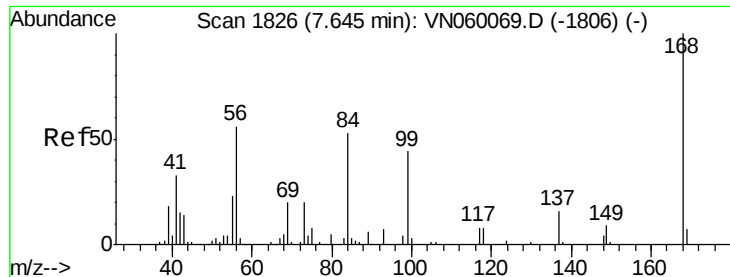
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021220\
Data File : VN060192.D
Acq On : 21 Feb 2020 16:58
Operator : JC/MD
Sample : L1658-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 21 22:26:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 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: VN060192.D

Acq: 21 Feb 2020 16:58

Instrument :

MSVOA_N

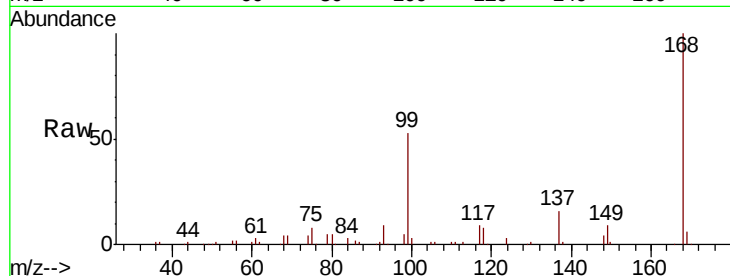
ClientSampleId :

Tot Ion:168 Resp: 178971

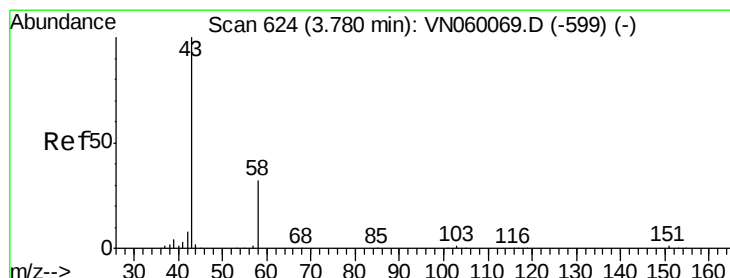
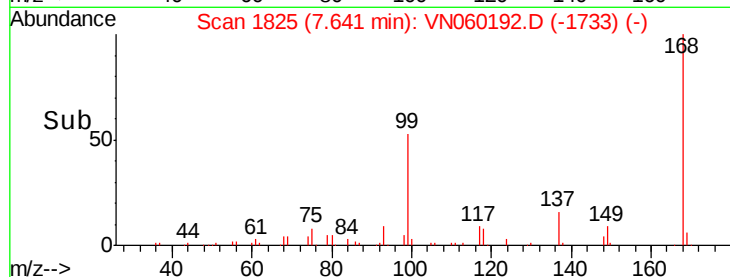
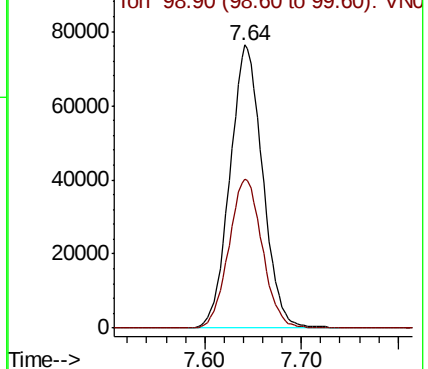
Ion Ratio Lower Upper

168 100

99 52.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)



#16

Acetone

Concen: 2.051 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060192.D

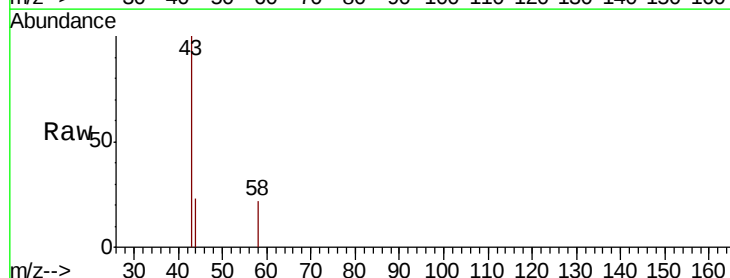
Acq: 21 Feb 2020 16:58

Tgt Ion: 43 Resp: 1948

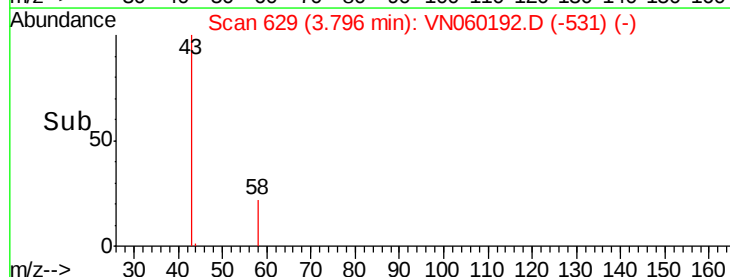
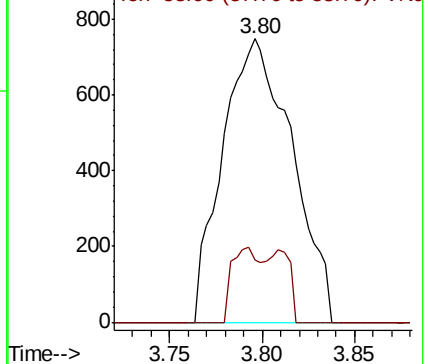
Ion Ratio Lower Upper

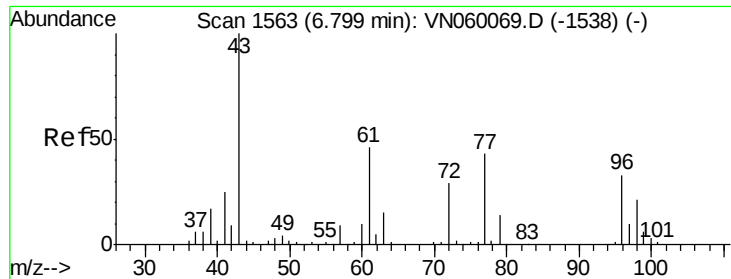
43 100

58 21.8 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

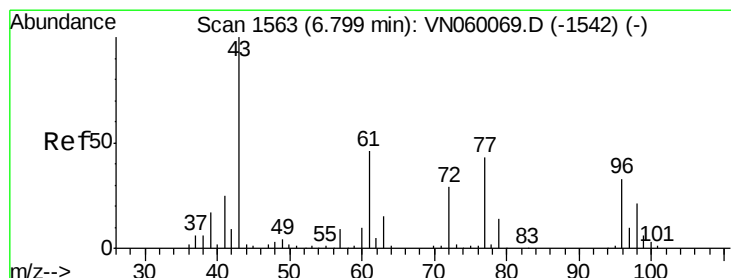
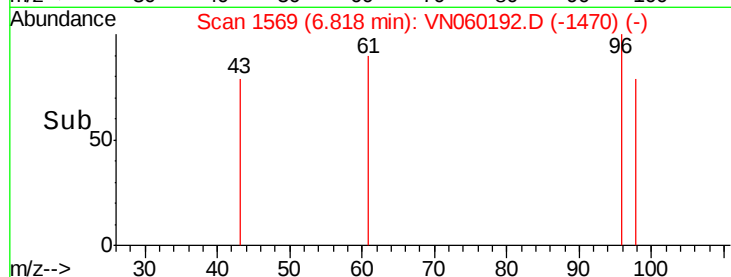
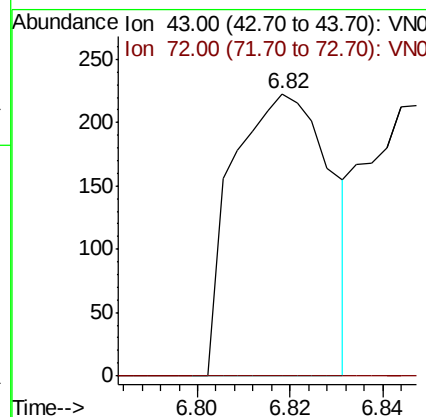
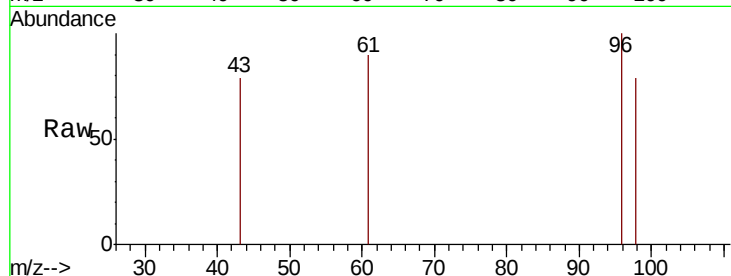




#25
2-Butanone
Concen: 0.274 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060192.D
Acq: 21 Feb 2020 16:58

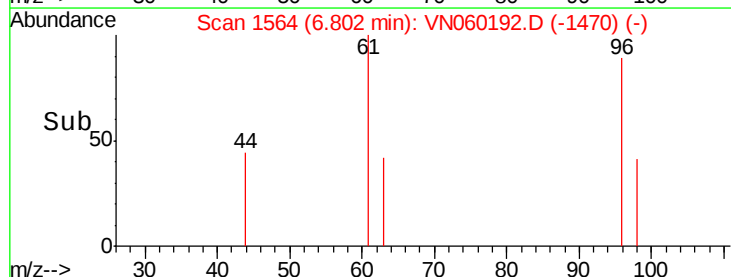
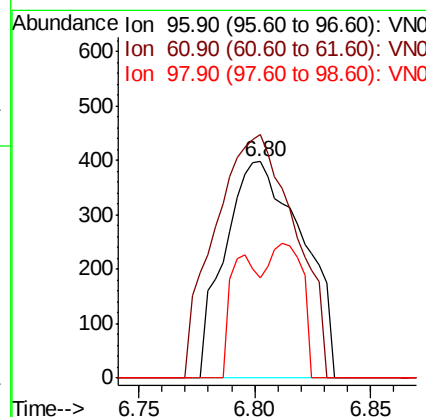
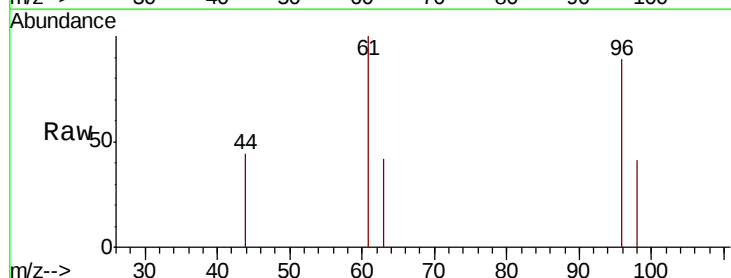
Instrument :
MSVOA_N
ClientSampled :

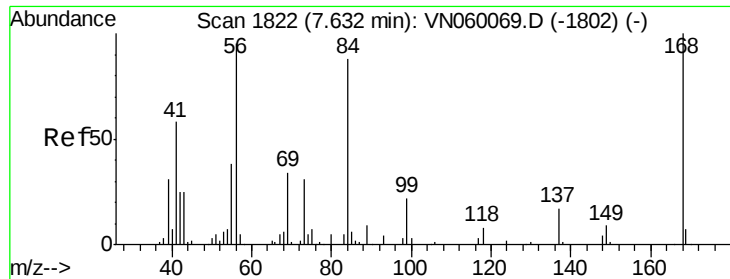
Tot Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#27
cis-1,2-Dichloroethene
Concen: 0.429 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN060192.D
Acq: 21 Feb 2020 16:58

Tgt Ion: 96 Resp: 926
Ion Ratio Lower Upper
96 100
61 115.8 0.0 285.8
98 21.1 0.0 129.6

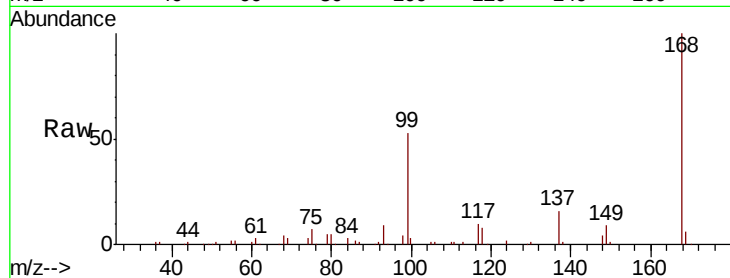




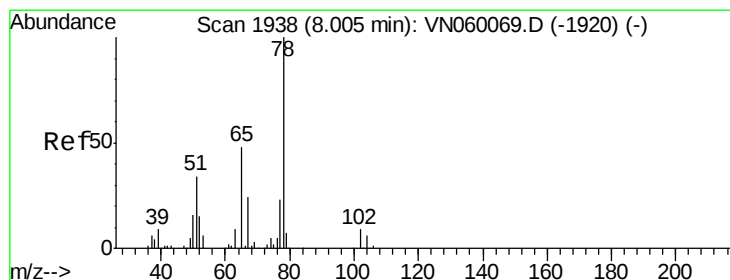
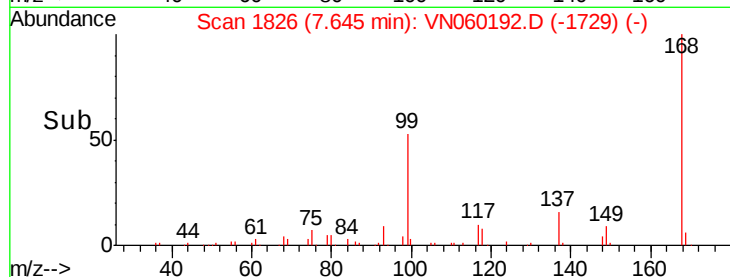
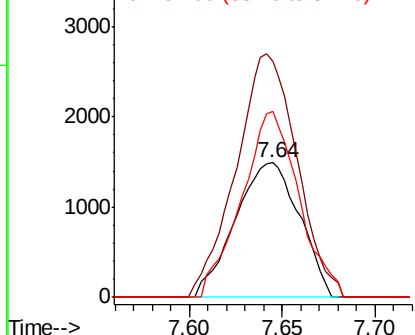
#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060192.D
Acq: 21 Feb 2020 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3601
Ion Ratio Lower Upper
56 100
69 175.6 28.3 42.5#
84 138.2 72.6 108.8#

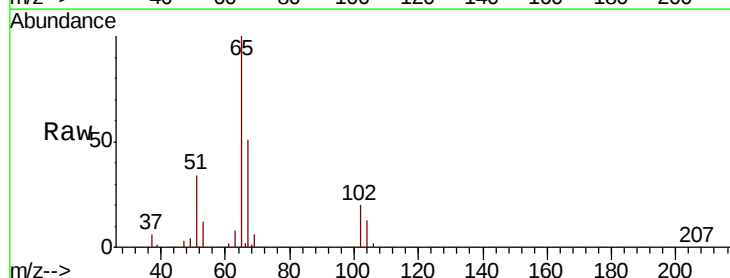


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

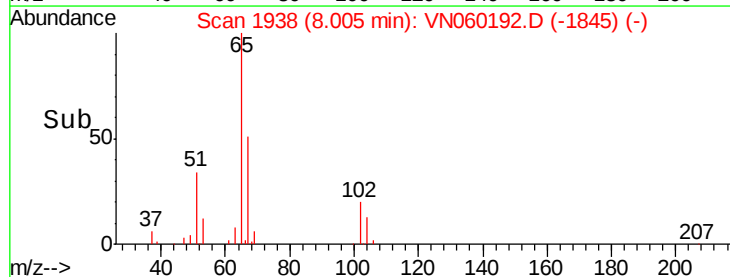
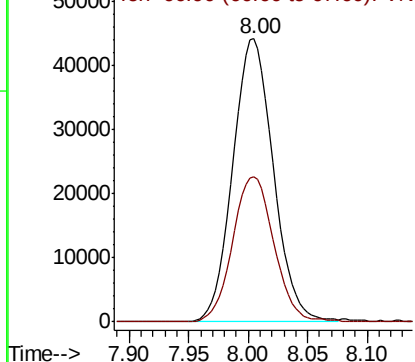


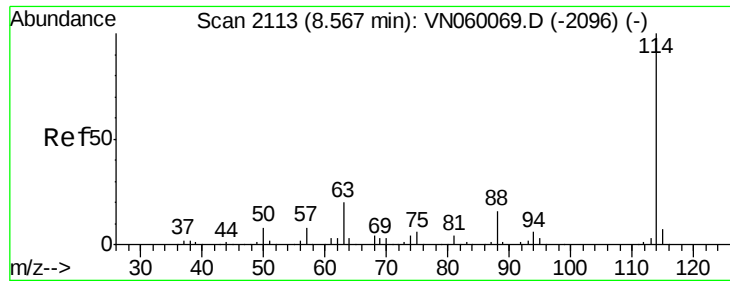
#33
1,2-Dichloroethane-d4
Concen: 48.092 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060192.D
Acq: 21 Feb 2020 16:58

Tgt Ion: 65 Resp: 104733
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0



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

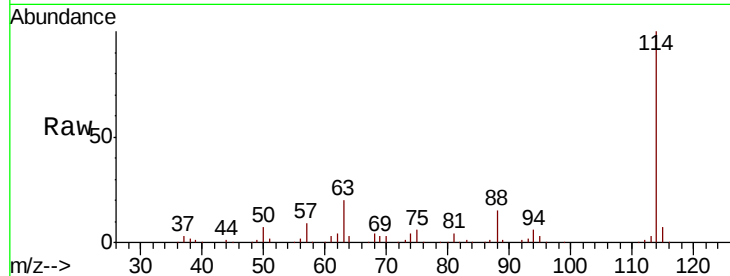




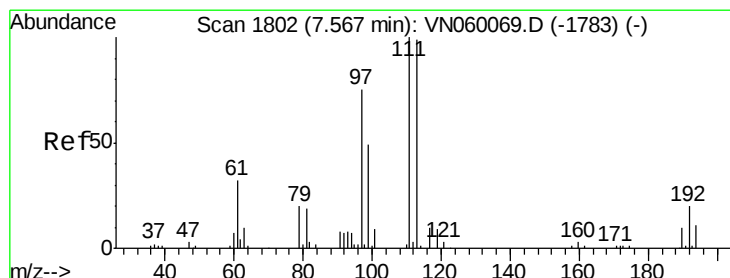
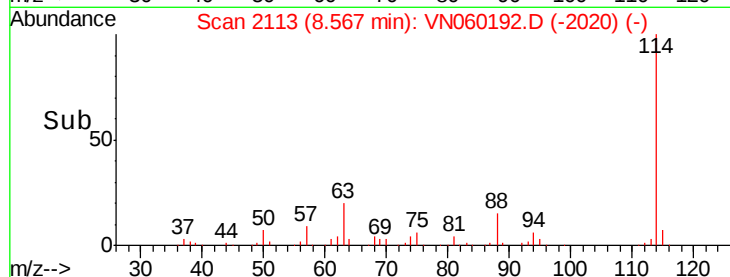
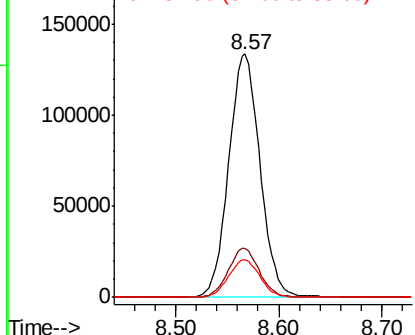
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 282303
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.5 0.0 31.6

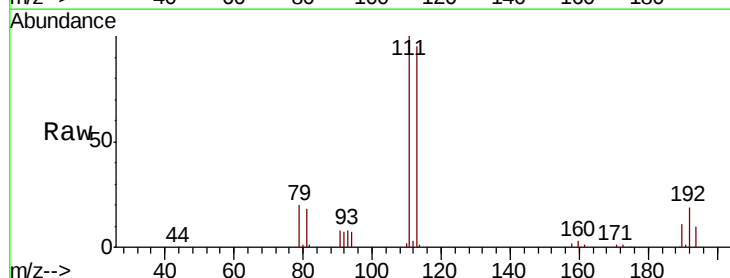


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

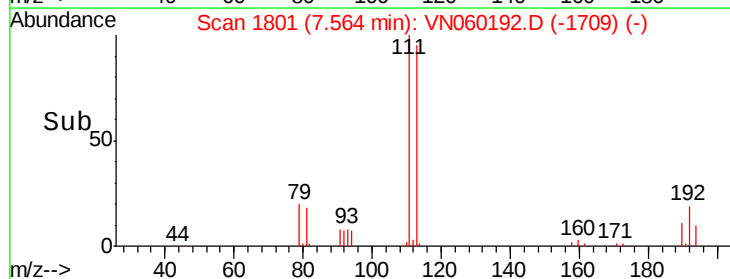
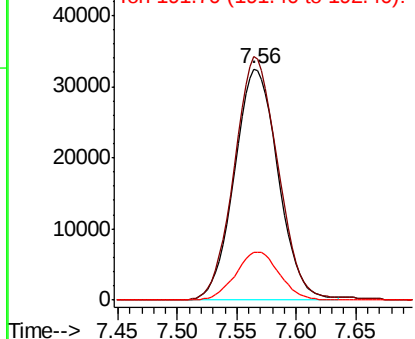


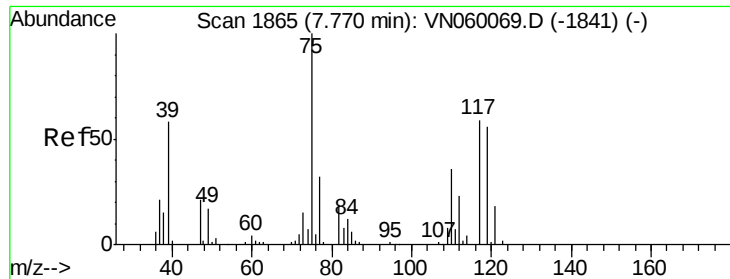
#35
 Dibromofluoromethane
 Concen: 47.771 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Tgt Ion:113 Resp: 82898
 Ion Ratio Lower Upper
 113 100
 111 105.6 81.4 122.2
 192 20.7 16.2 24.2



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

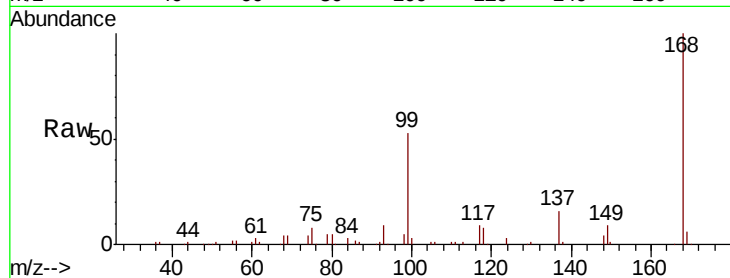




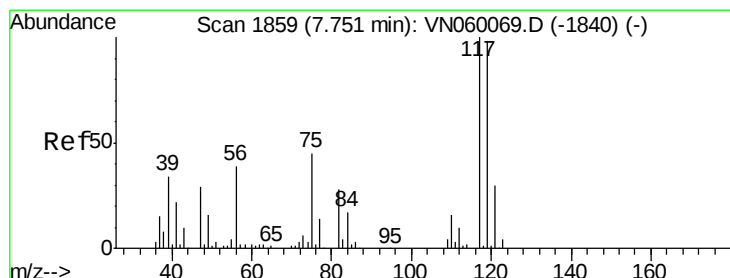
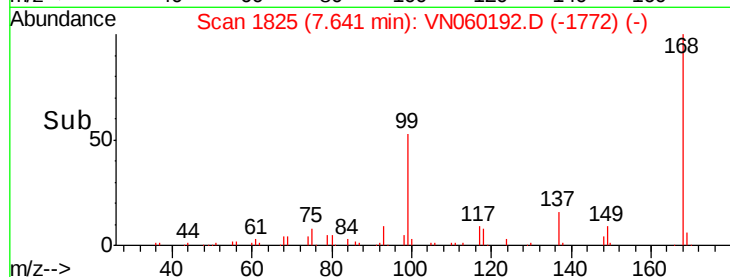
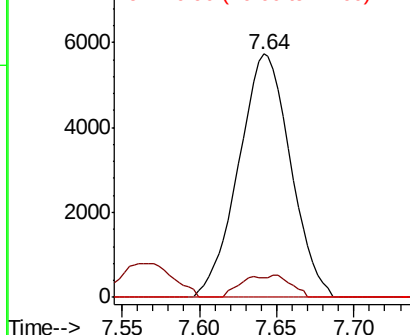
#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	13369
Ion Ratio	Lower	Upper	
75	100		
110	4.2	18.1	54.3#
77	0.0	25.1	37.7#

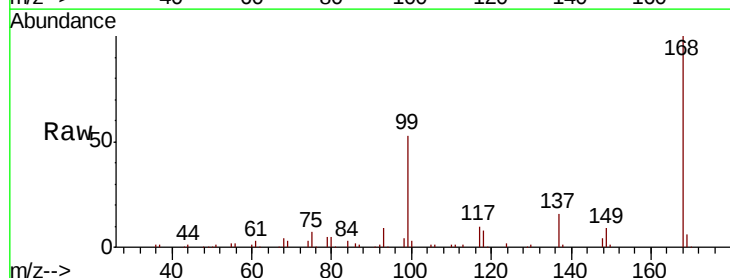


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

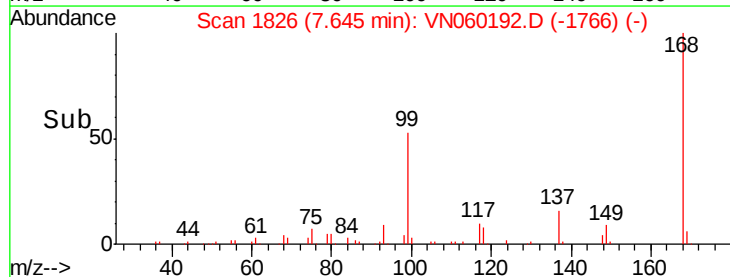
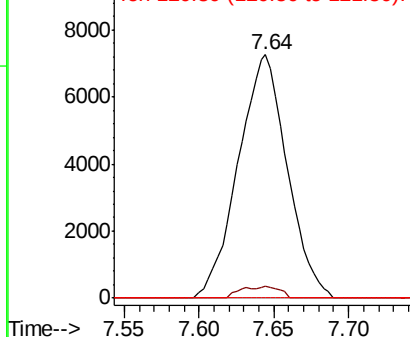


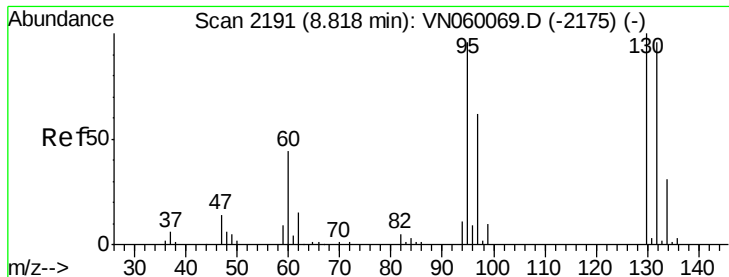
#38
 Carbon Tetrachloride
 Concen: 5.809 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Tgt Ion	117	Resp	16495
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.8	78.2	117.4#
121	0.0	24.2	36.2#



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

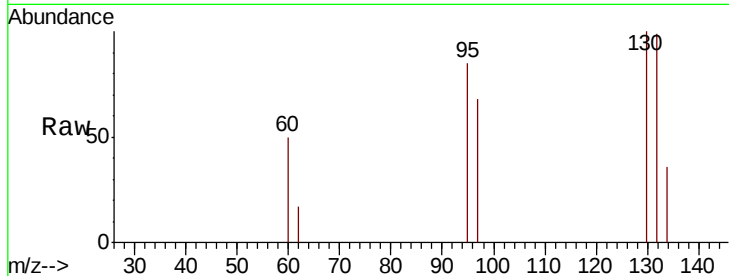




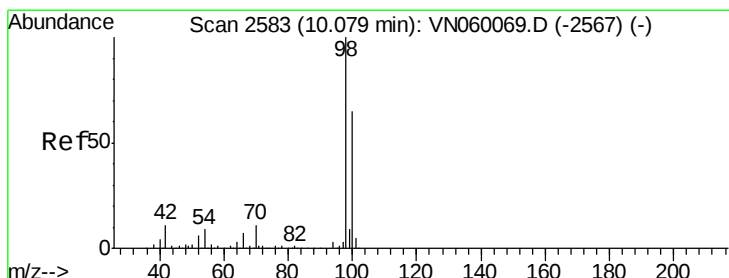
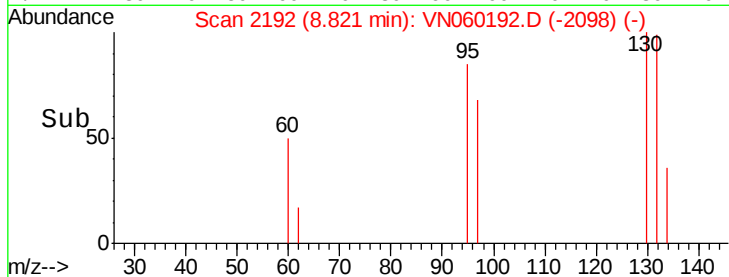
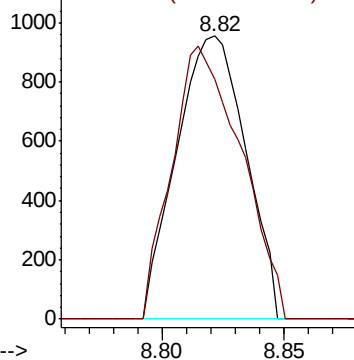
#44
 Trichloroethene
 Concen: 0.875 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 1880
 Ion Ratio Lower Upper
 130 100
 95 84.6 0.0 192.4

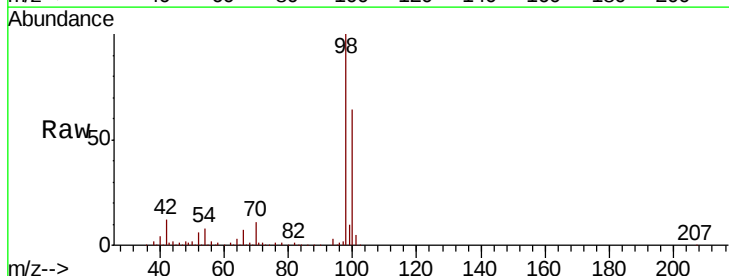


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

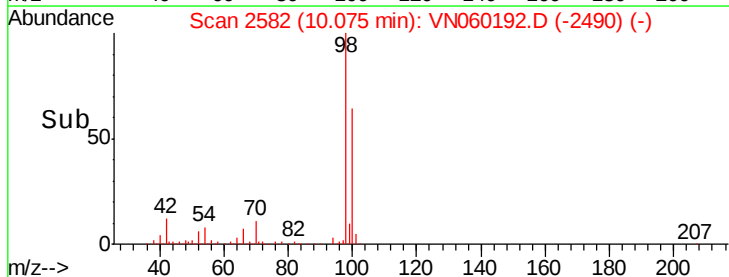
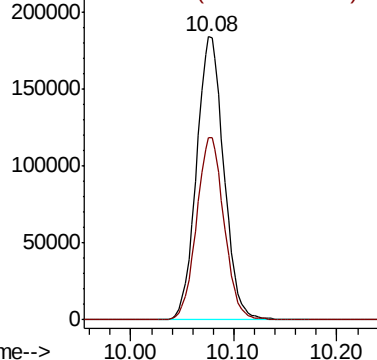


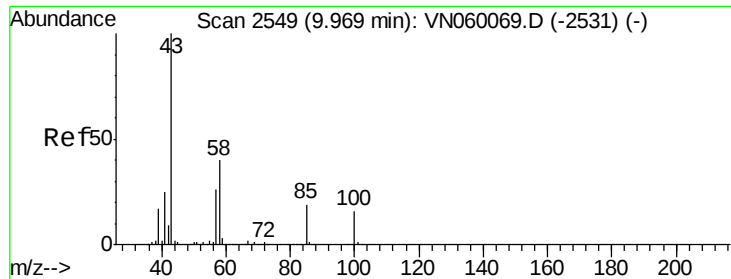
#50
 Toluene-d8
 Concen: 49.927 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Tgt Ion: 98 Resp: 341181
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.7 77.5



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

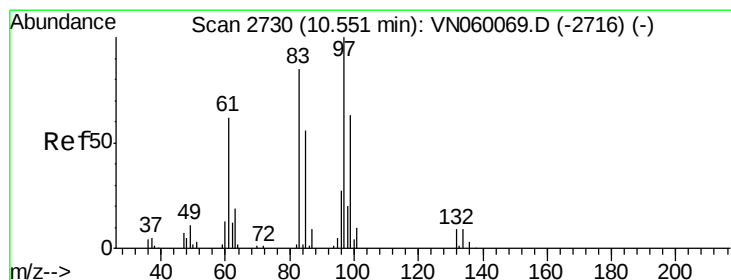
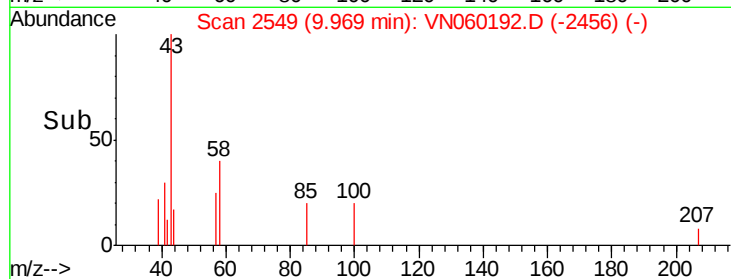
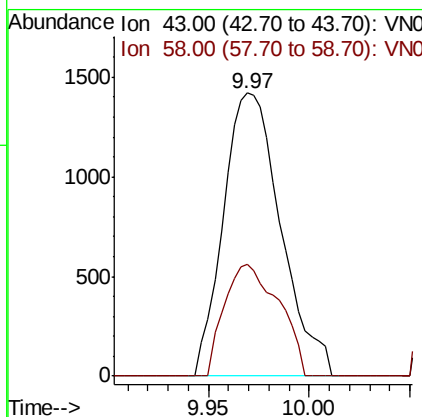
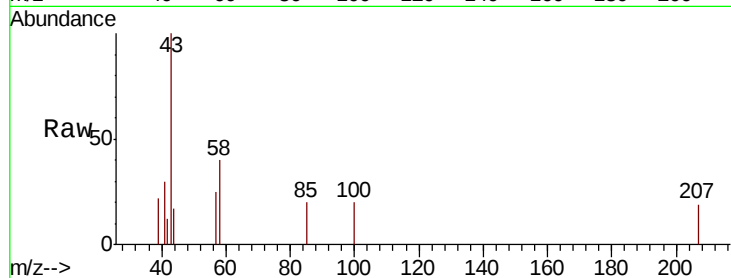




#51
 4-Methyl-2-Pentanone
 Concen: 1.208 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

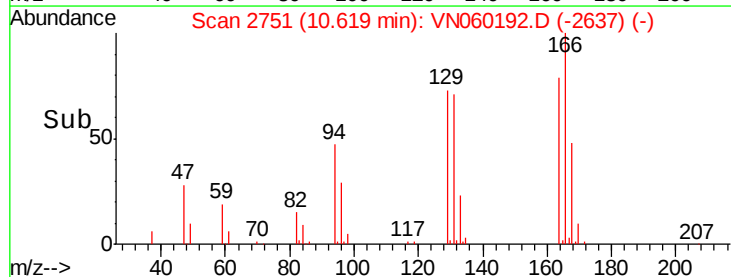
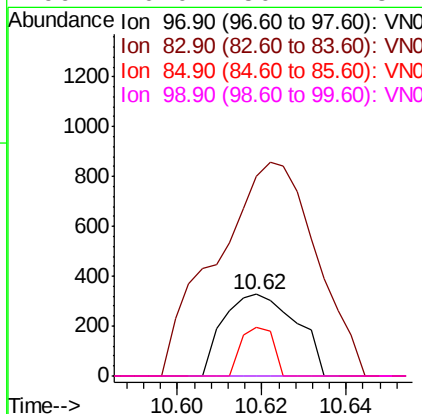
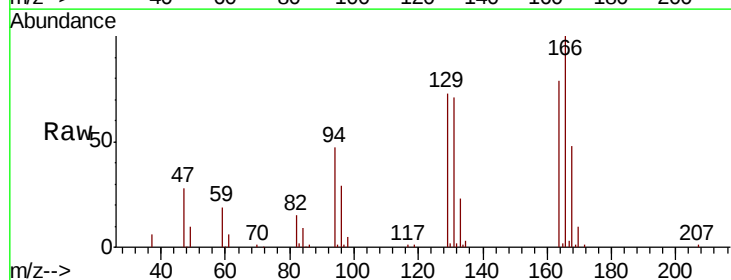
Instrument :
 MSVOA_N
 ClientSampleId :

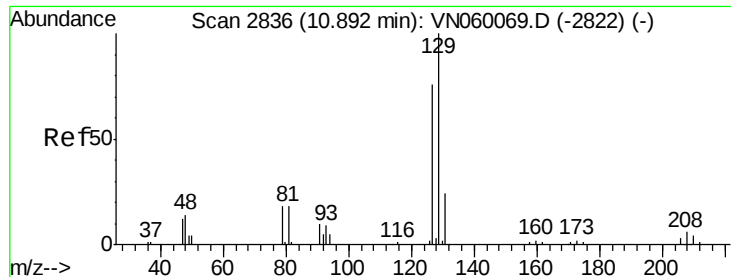
Tot Ion: 43 Resp: 2825
 Ion Ratio Lower Upper
 43 100
 58 37.5 31.8 47.8



#55
 1,1,2-Trichloroethane
 Concen: 0.204 ug/l
 RT: 10.62 min Scan# 2751
 Delta R.T. 0.07 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Tgt Ion: 97 Resp: 395
 Ion Ratio Lower Upper
 97 100
 83 166.6 67.9 101.9#
 85 59.5 44.6 67.0
 99 0.0 50.1 75.1#

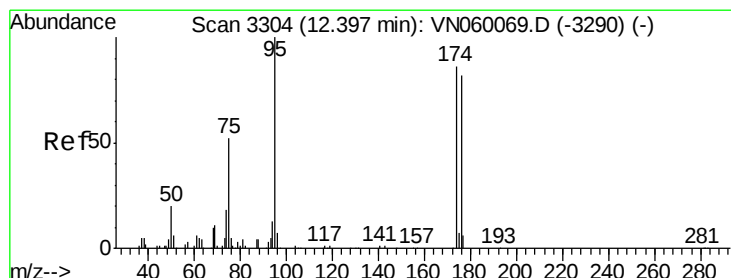
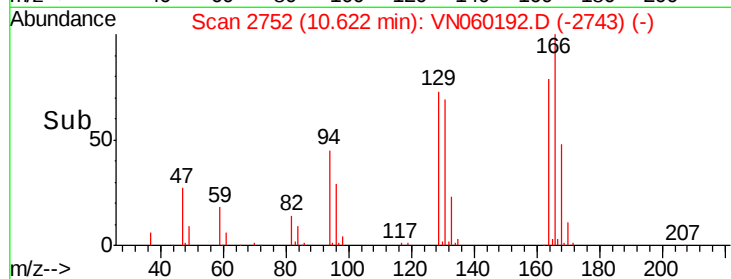
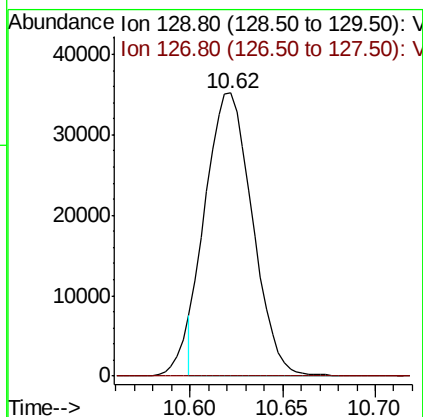
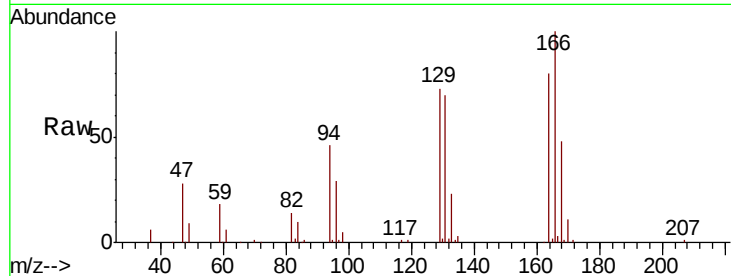




#60
 Dibromochloromethane
 Concen: 27.530 ug/l
 RT: 10.62 min Scan# 2752
 Delta R.T. -0.27 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

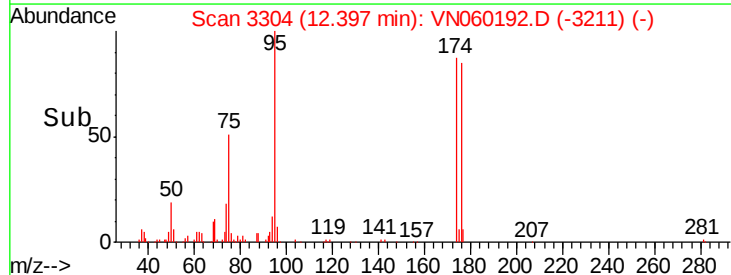
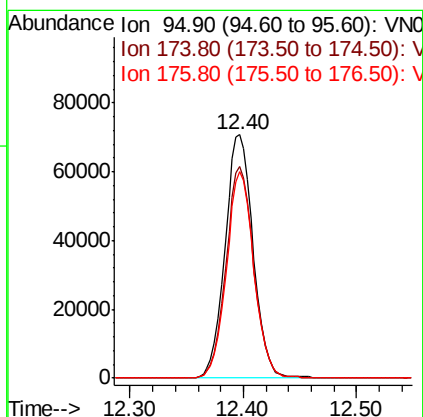
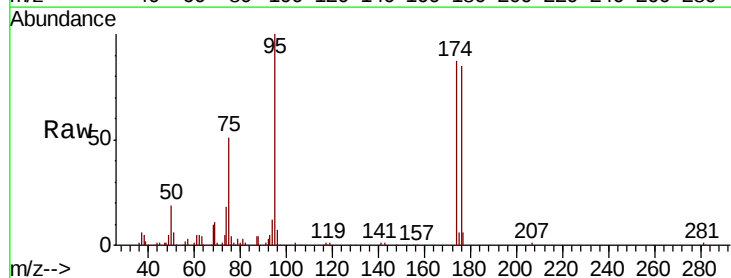
Instrument :
 MSVOA_N
 ClientSampleId :

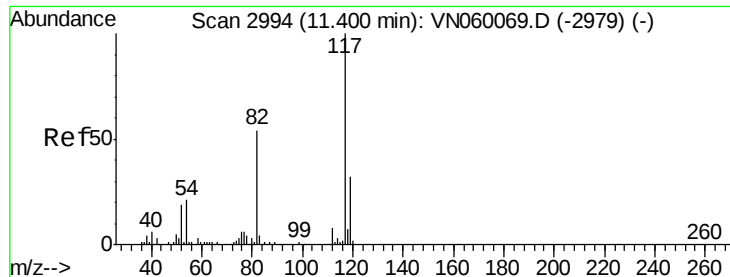
Tot Ion:129 Resp: 61304
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.0 114.1#



#62
 4-Bromofluorobenzene
 Concen: 48.543 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Tgt Ion: 95 Resp: 121892
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 169.8
 176 82.7 0.0 164.8

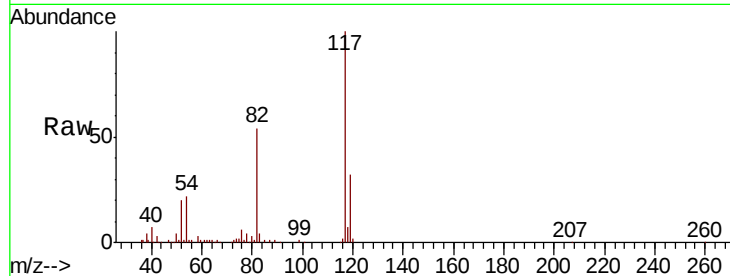




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060192.D
Acq: 21 Feb 2020 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.0
119	32.5	25.8	38.6

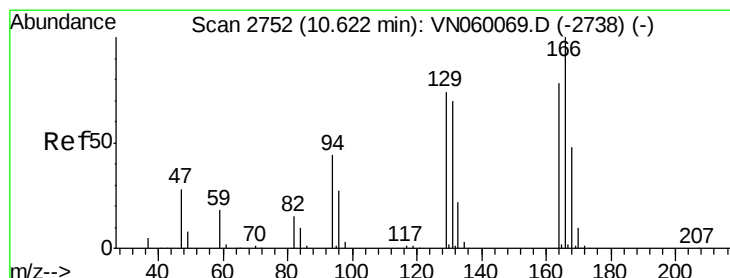
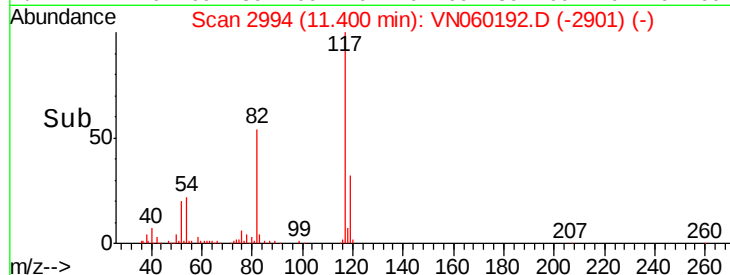
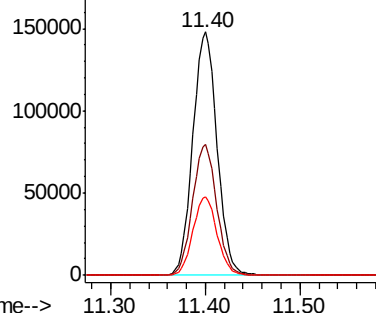


Abundance

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



#64
Tetrachloroethene
Concen: 34.617 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060192.D
Acq: 21 Feb 2020 16:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.9	152.9
129	92.3	75.4	113.0
131	87.9	71.4	107.2

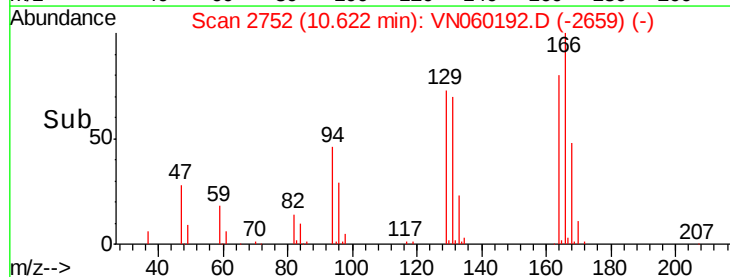
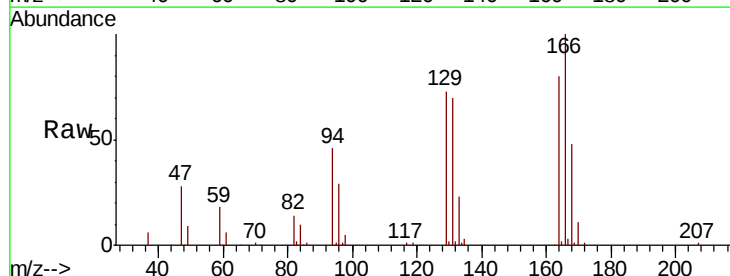
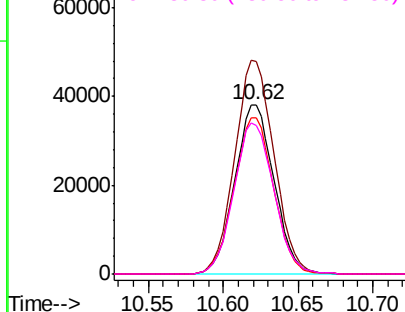
Abundance

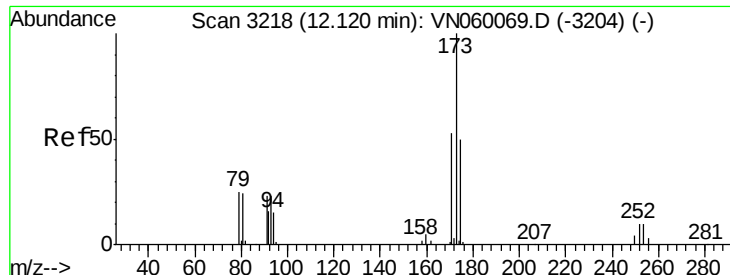
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.222 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060192.D

Acq: 21 Feb 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

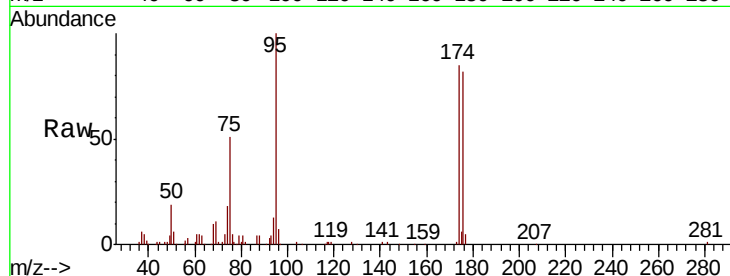
Tot Ion:173 Resp: 364

Ion Ratio Lower Upper

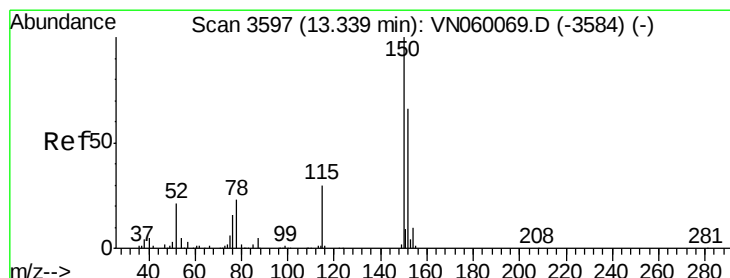
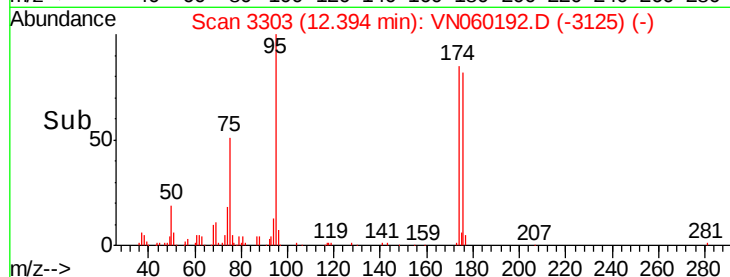
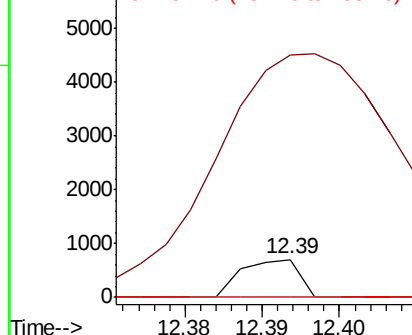
173 100

175 1818.4 24.9 74.6#

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: VN060192.D

Acq: 21 Feb 2020 16:58

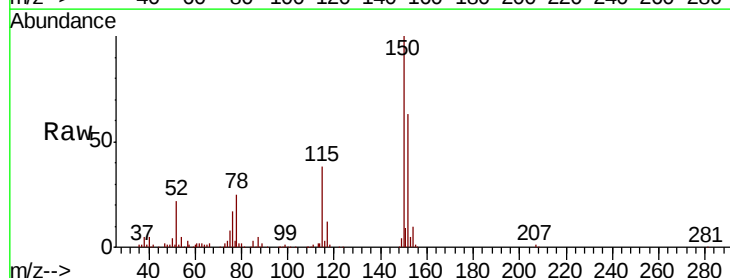
Tgt Ion:152 Resp: 114088

Ion Ratio Lower Upper

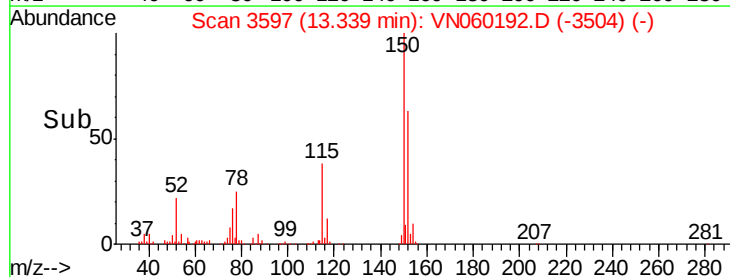
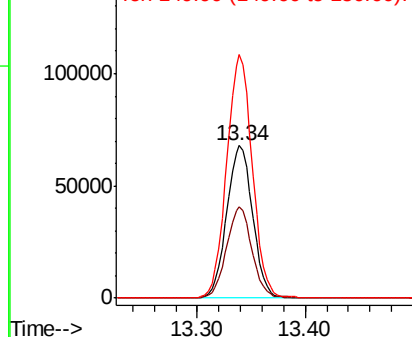
152 100

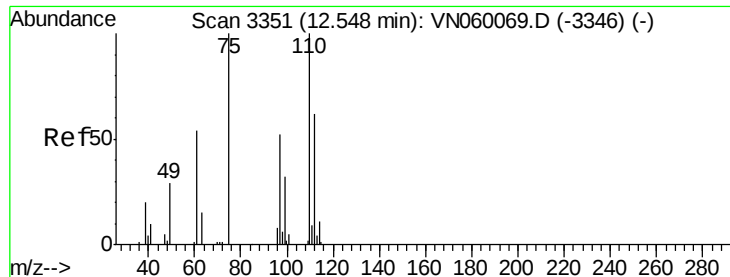
115 58.7 28.9 86.8

150 157.4 0.0 342.4



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: 28.308 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060192.D

Acq: 21 Feb 2020 16:58

Instrument :

MSVOA_N

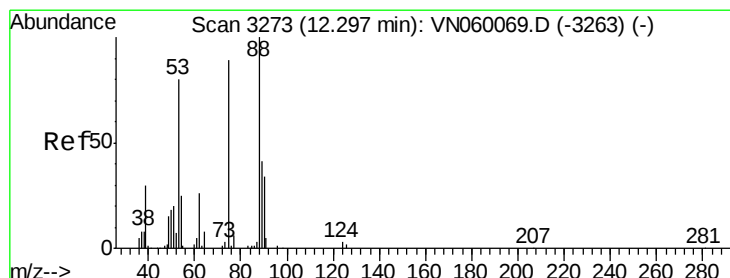
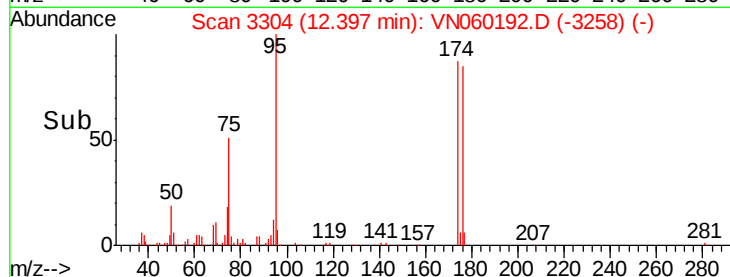
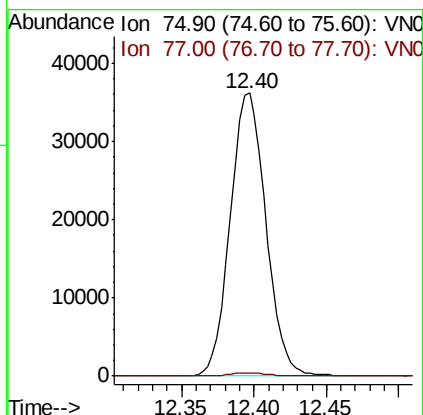
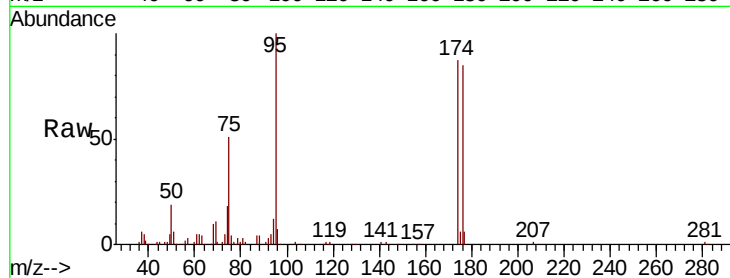
ClientSampleId :

Tot Ion: 75 Resp: 61790

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.313 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060192.D

Acq: 21 Feb 2020 16:58

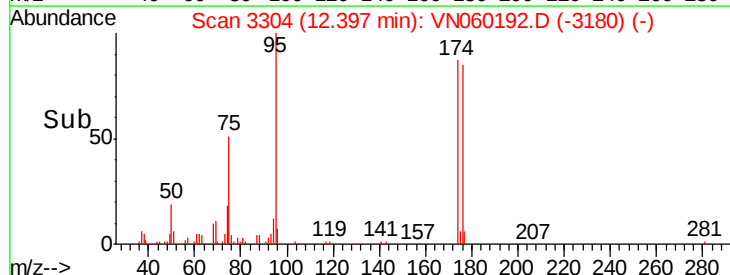
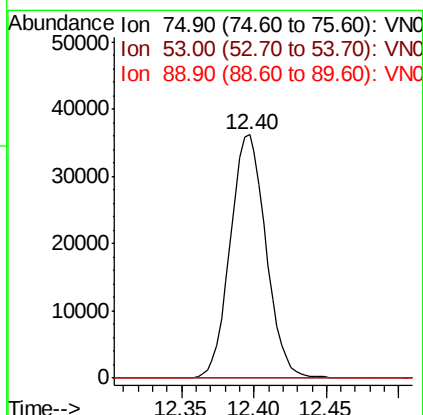
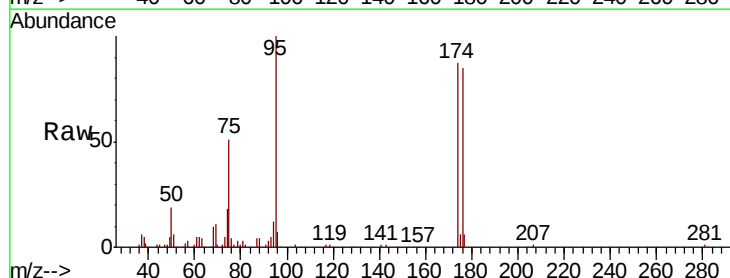
Tgt Ion: 75 Resp: 61790

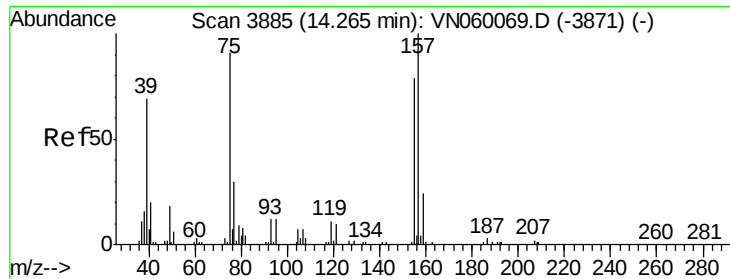
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#

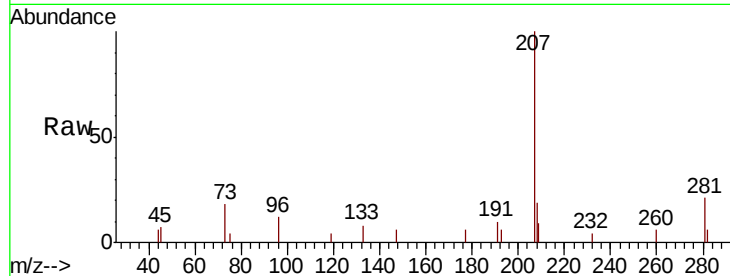




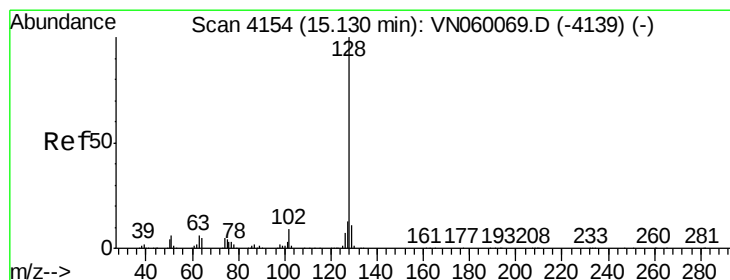
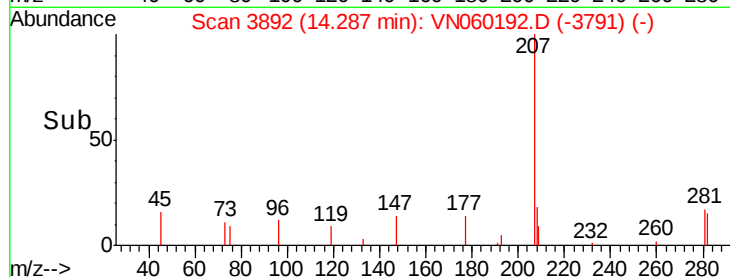
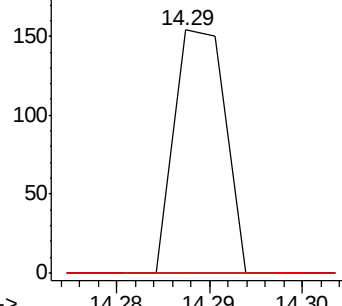
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.29 min Scan# 3892
 Delta R.T. 0.02 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#

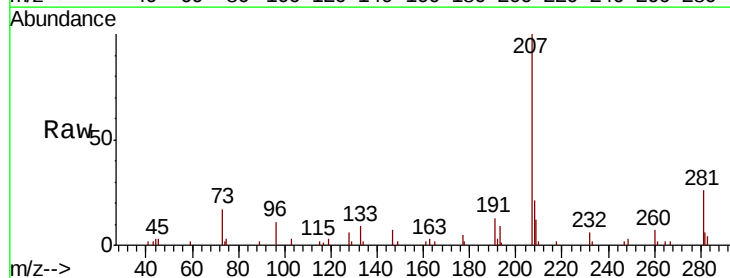


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 0.206 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060192.D
 Acq: 21 Feb 2020 16:58

Tgt Ion: 128 Resp: 1198
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 5.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

