

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059040.D
 Acq On : 31 Oct 2019 15:36
 Operator : JC/SP
 Sample : K5626-10DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

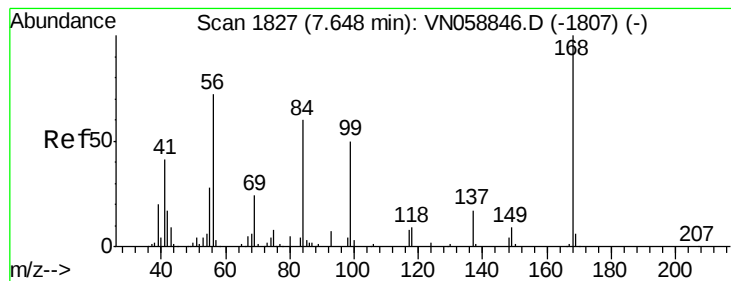
Quant Time: Nov 01 01:12:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	402347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	645735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	579007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	212595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	293624	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	7.57	113	218417	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	10.08	98	835358	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.41	95	263487	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	1488	0.510	ug/l #	46
18) Methyl Acetate	4.31	43	2870	0.433	ug/l #	72
31) Cyclohexane	7.65	56	9542	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32939	4.982	ug/l #	46
38) Carbon Tetrachloride	7.64	117	39075	5.737	ug/l #	17
65) Chlorobenzene	11.43	112	72331	6.136	ug/l	96
71) Bromoform	12.40	173	1539	0.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	137368	27.880	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	137368	72.630	ug/l #	10
87) 1,3-Dichlorobenzene	13.29	146	13978	2.041	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	39465	5.757	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	209415	31.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	261	0.211	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	967	2.737	ug/l	83
95) Naphthalene	15.13	128	980	2.302	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	706	2.557	ug/l	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059040.D

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Instrument :

MSVOA_N

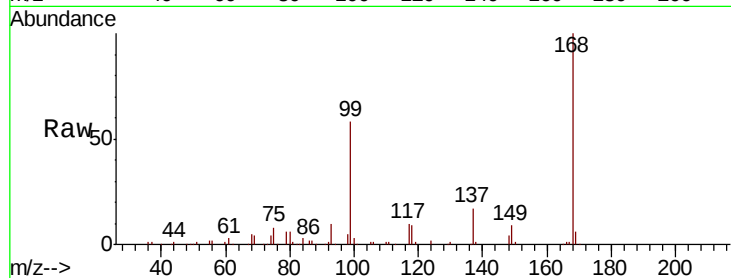
ClientSampled :

Tot Ion:168 Resp: 402347

Ion Ratio Lower Upper

168 100

99 57.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

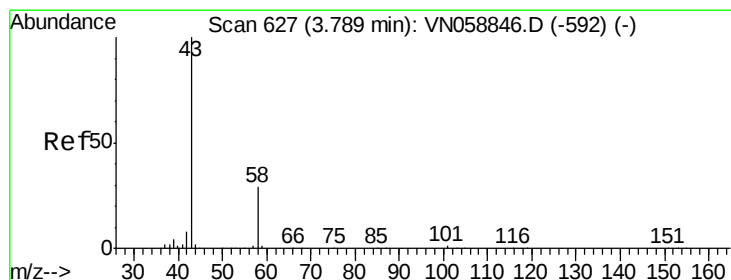
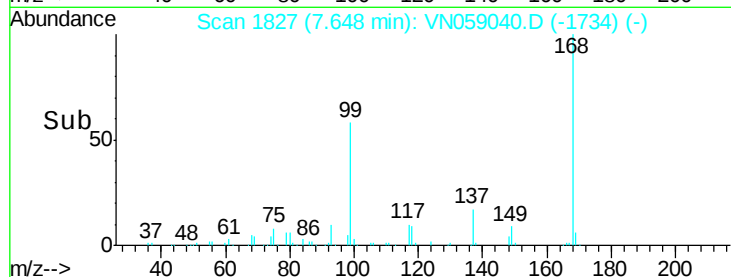
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 0.510 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059040.D

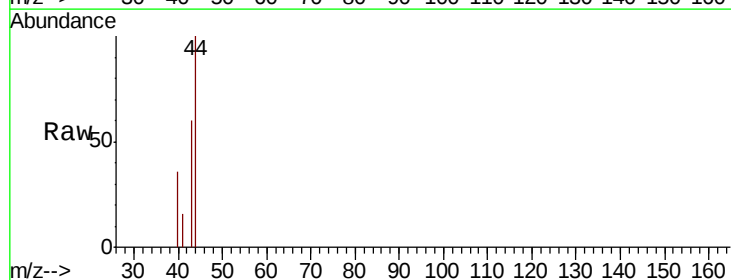
Acq: 31 Oct 2019 15:36

Tgt Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

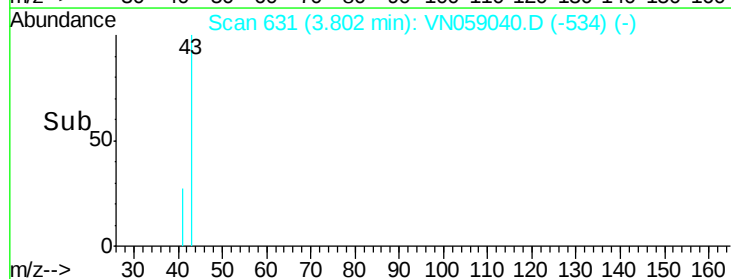
600

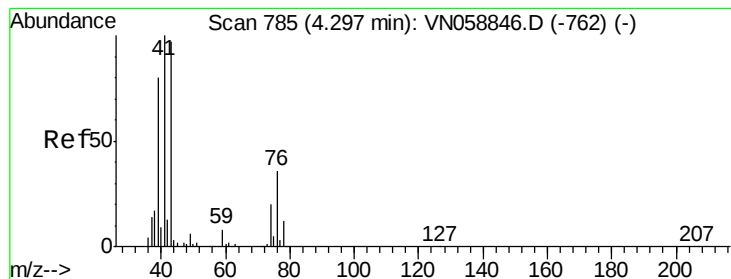
400

200

0

Time--> 3.75 3.80





#18

Methvl Acetate

Concen: 0.433 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.02 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

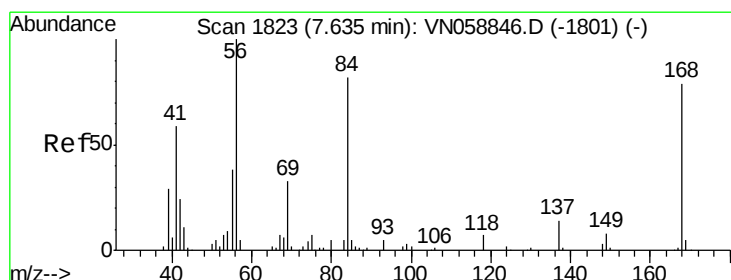
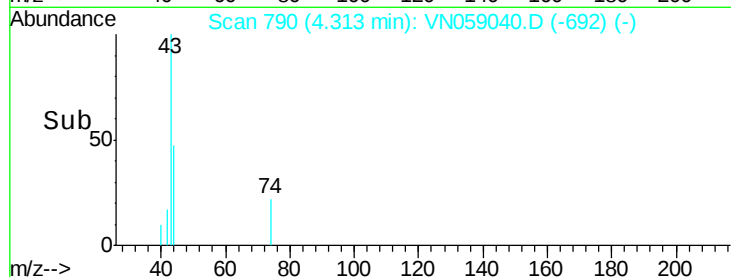
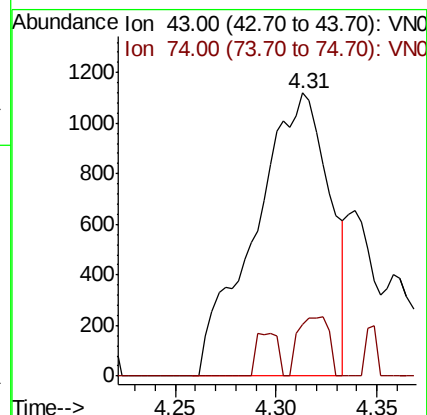
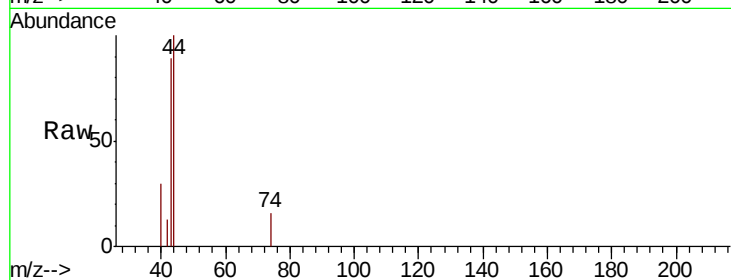
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2870

Ion Ratio Lower Upper

43 100

74 8.4 17.1 25.7#



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

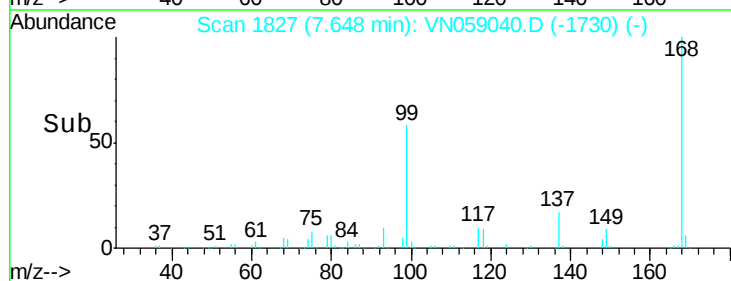
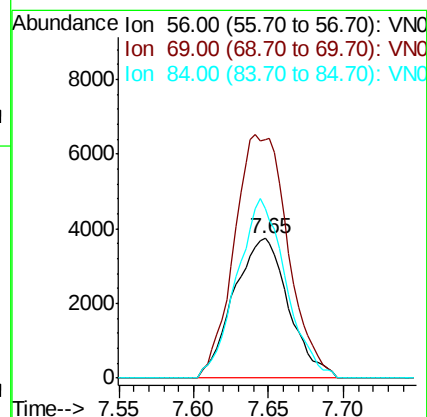
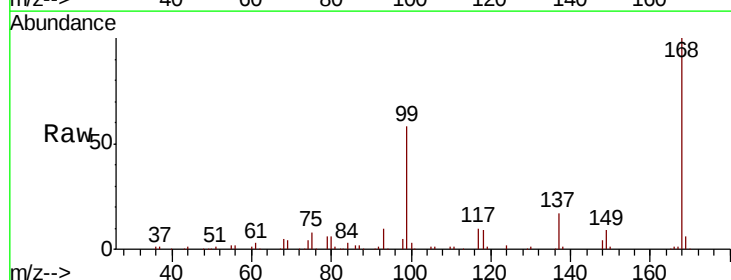
Tgt Ion: 56 Resp: 9542

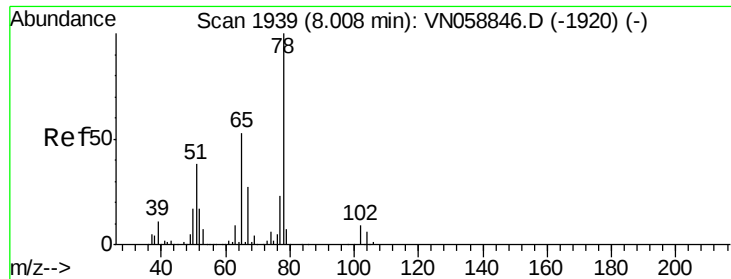
Ion Ratio Lower Upper

56 100

69 171.1 26.2 39.4#

84 121.2 65.6 98.4#

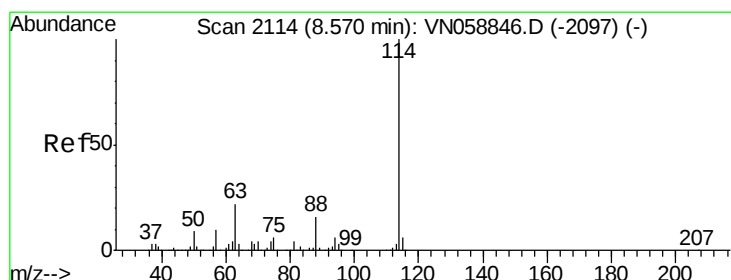
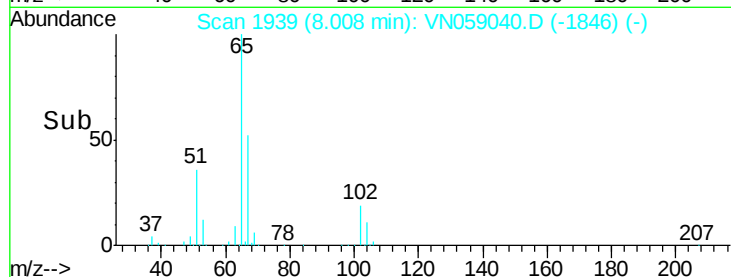
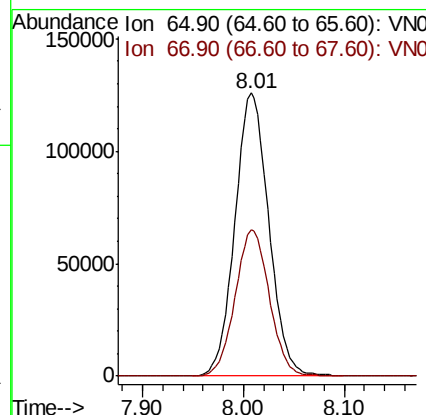
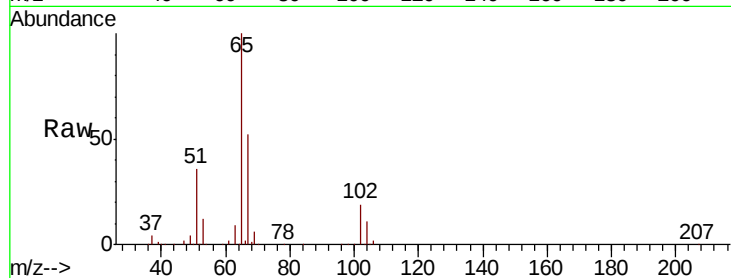




#33
 1,2-Dichloroethane-d4
 Concen: 49.758 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

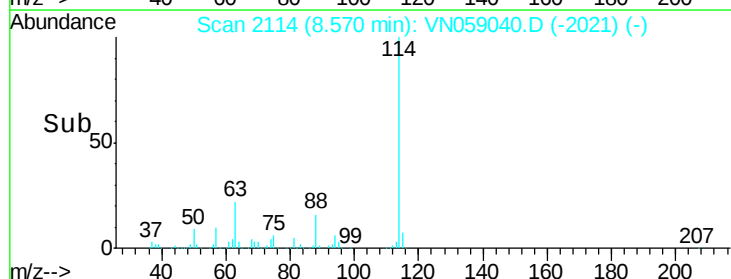
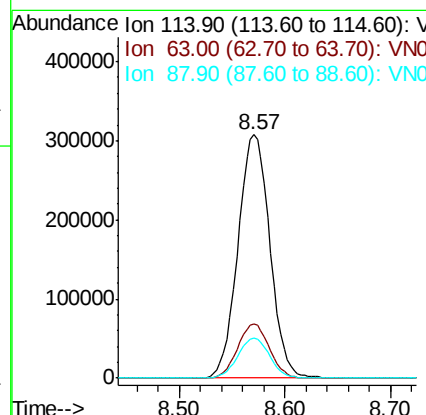
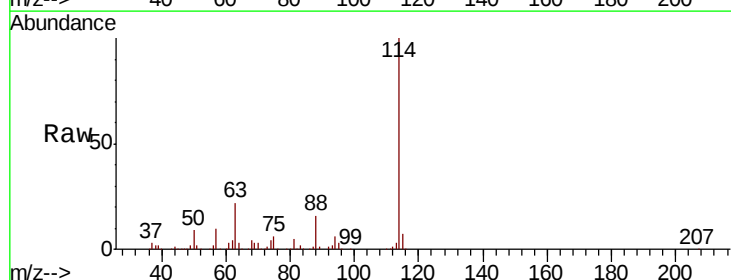
Instrument :
 MSVOA_N
 ClientSampleId :

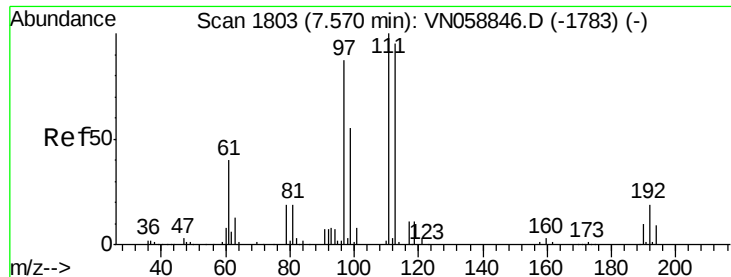
Tot Ion: 65 Resp: 293624
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

Tgt Ion: 114 Resp: 645735
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.4
 88 16.4 0.0 31.4

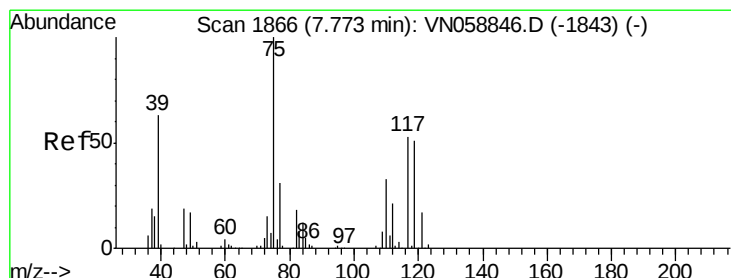
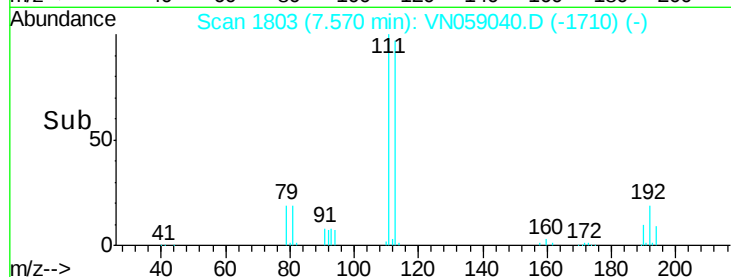
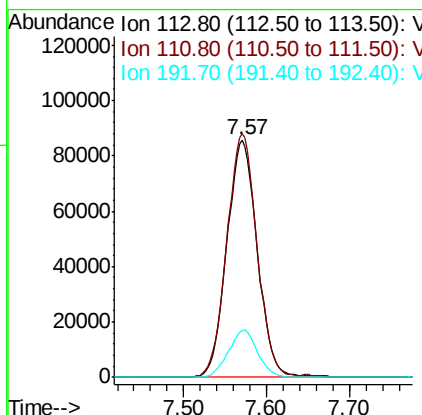
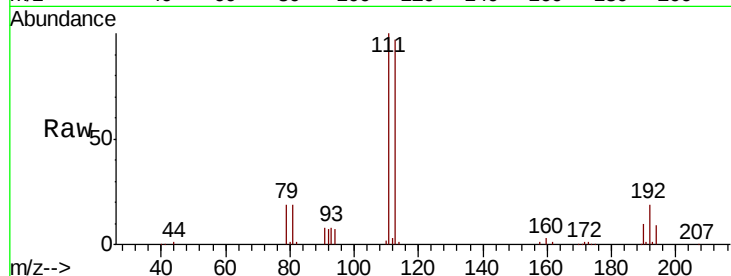




#35
 Dibromofluoromethane
 Concen: 51.446 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

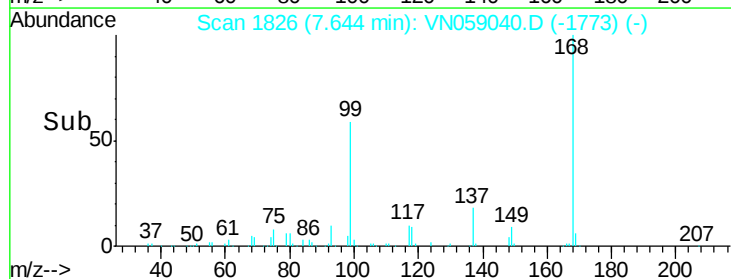
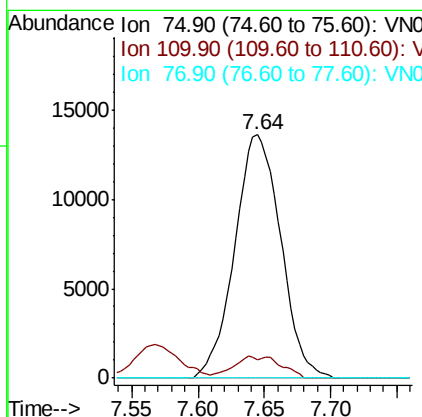
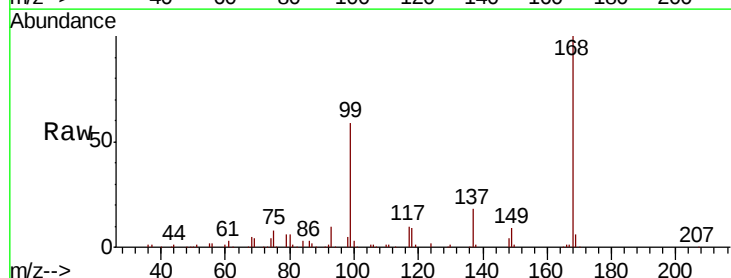
Instrument :
 MSVOA_N
 ClientSampleId :

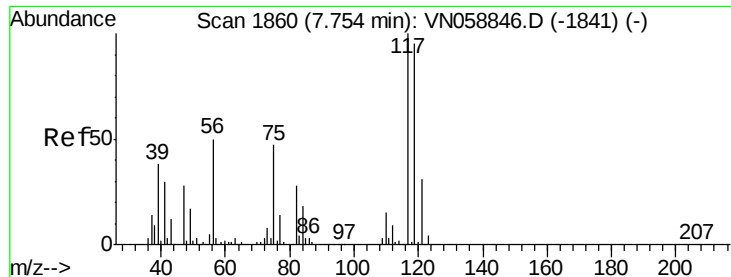
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	19.3	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.6	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.737 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

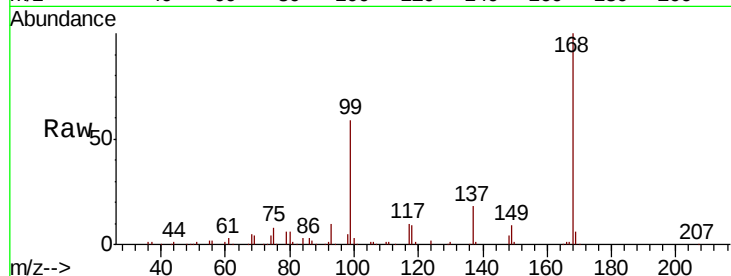
Tot Ion:117 Resp: 39075

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

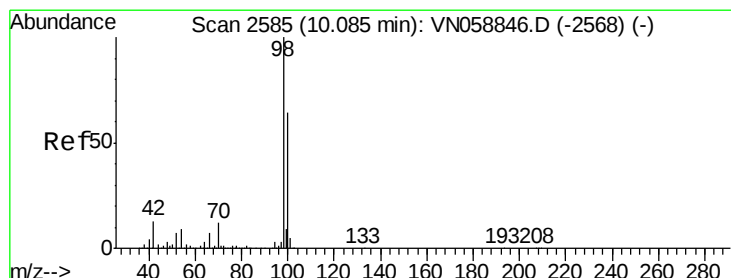
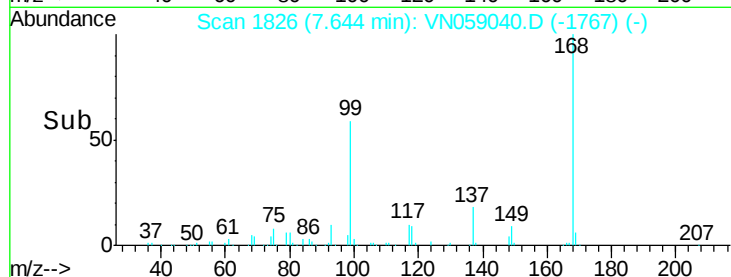
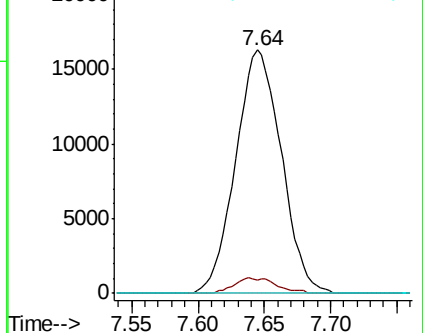
121 0.0 25.0 37.6#



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: 50.687 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059040.D

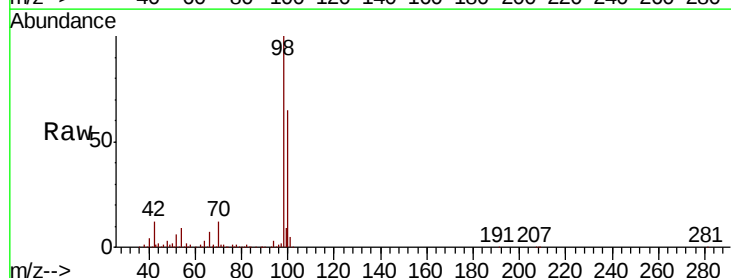
Acq: 31 Oct 2019 15:36

Tgt Ion: 98 Resp: 835358

Ion Ratio Lower Upper

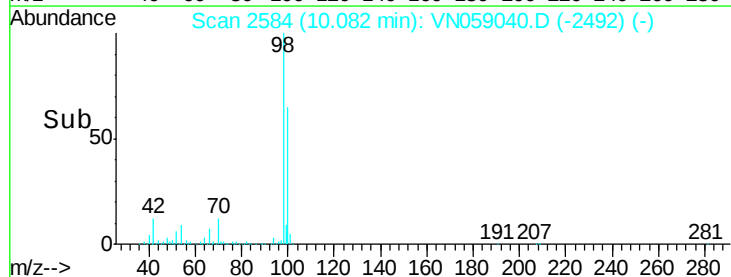
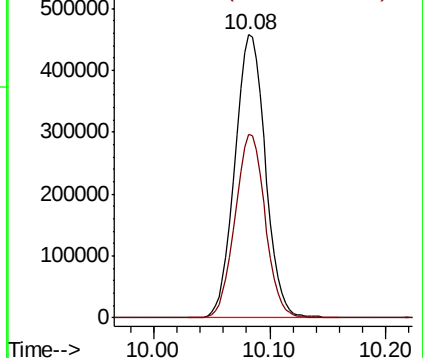
98 100

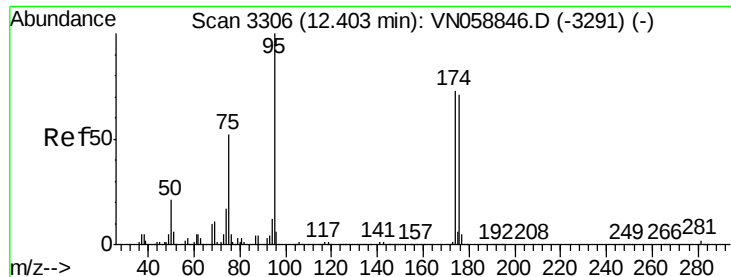
100 64.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.536 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

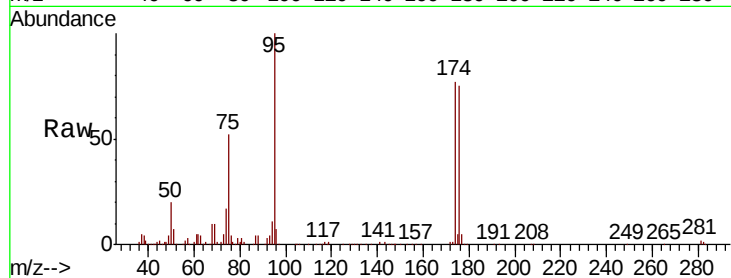
Tot Ion: 95 Resp: 263487

Ion Ratio Lower Upper

95 100

174 78.5 0.0 147.6

176 74.8 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)

12.41

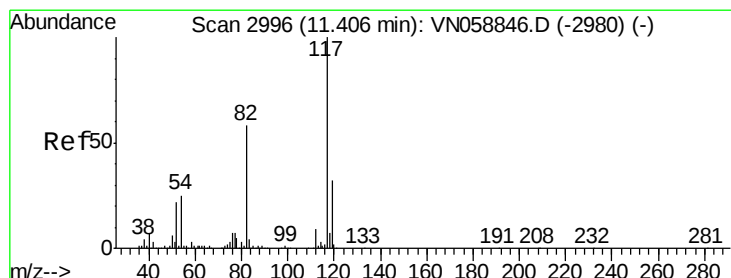
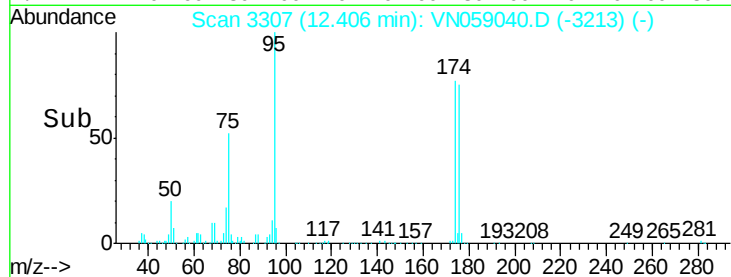
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

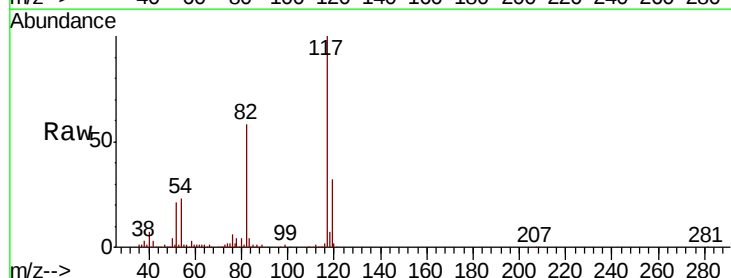
Tgt Ion: 117 Resp: 579007

Ion Ratio Lower Upper

117 100

82 58.1 46.6 69.8

119 32.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)

11.41

400000

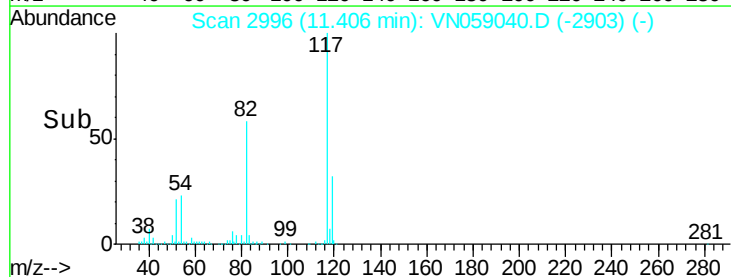
300000

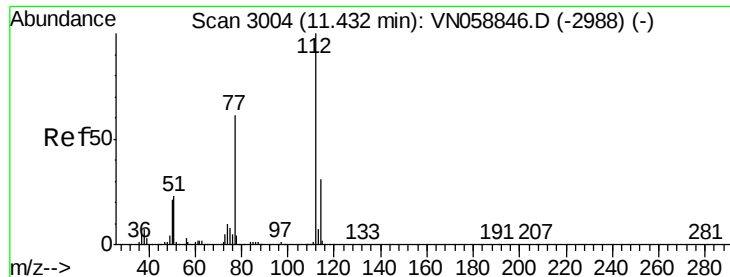
200000

100000

0

Time--> 11.30 11.40 11.50

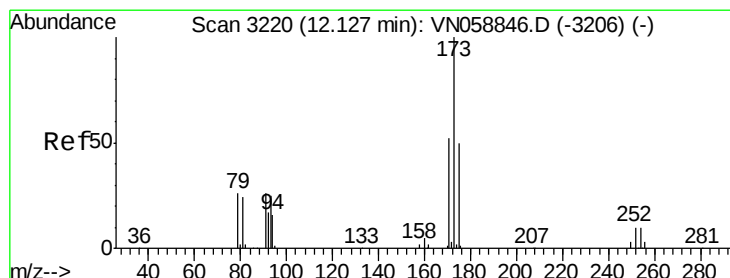
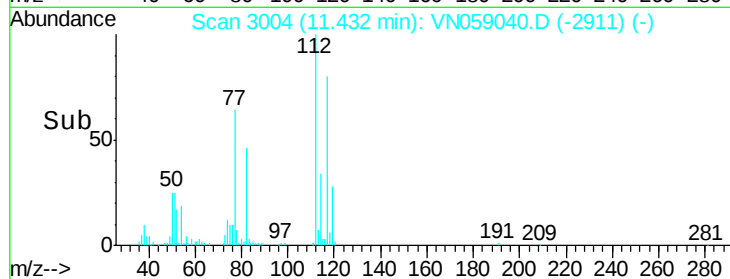
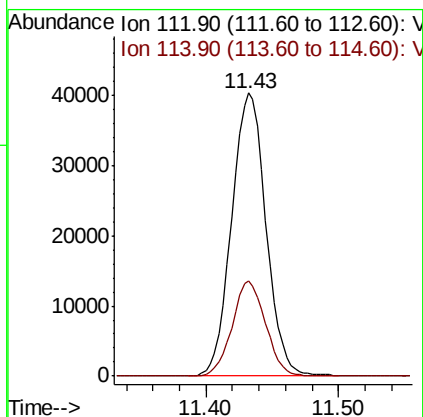
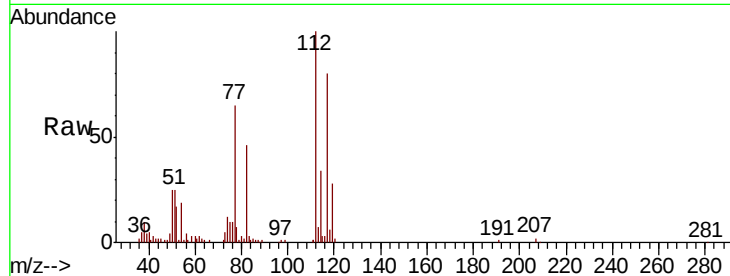




#65
Chlorobenzene
Concen: 6.136 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059040.D
Acq: 31 Oct 2019 15:36

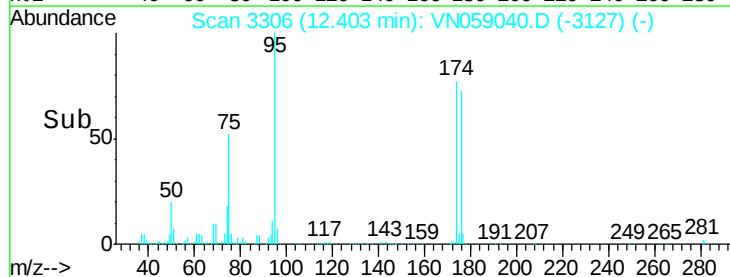
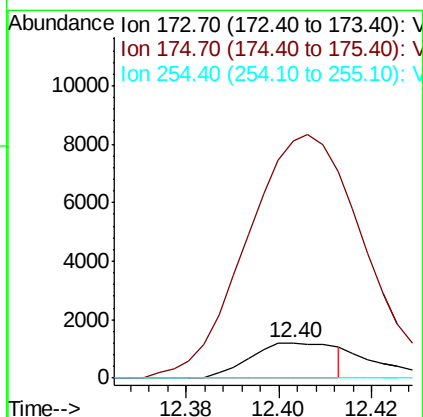
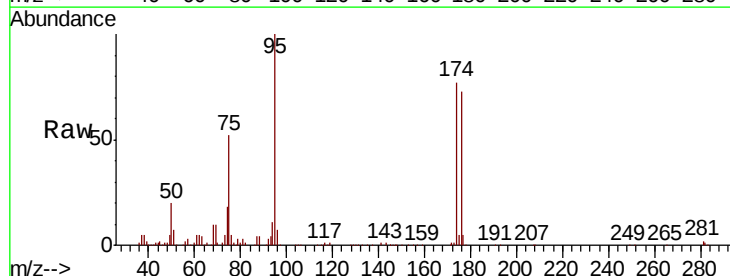
Instrument :
MSVOA_N
ClientSampled :

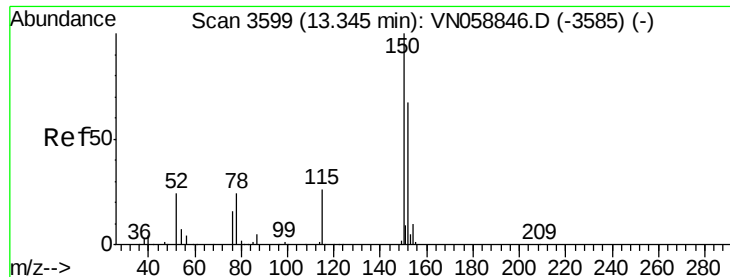
Tot Ion:112 Resp: 72331
Ion Ratio Lower Upper
112 100
114 33.7 25.1 37.7



#71
Bromoform
Concen: 0.446 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059040.D
Acq: 31 Oct 2019 15:36

Tgt Ion:173 Resp: 1539
Ion Ratio Lower Upper
173 100
175 727.9 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

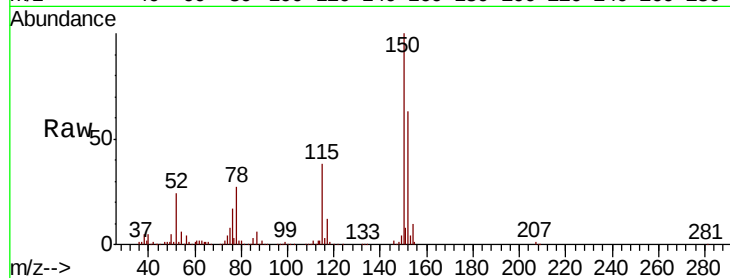
Tot Ion:152 Resp: 212595

Ion Ratio Lower Upper

152 100

115 60.6 30.5 91.5

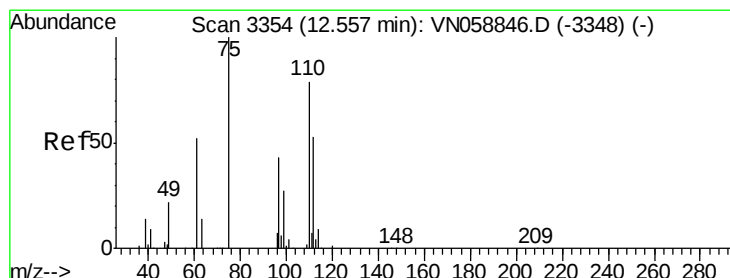
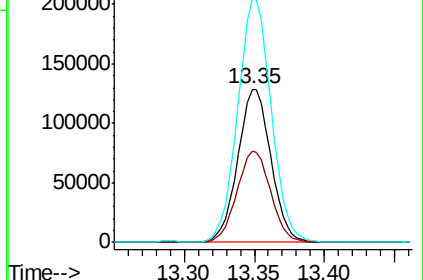
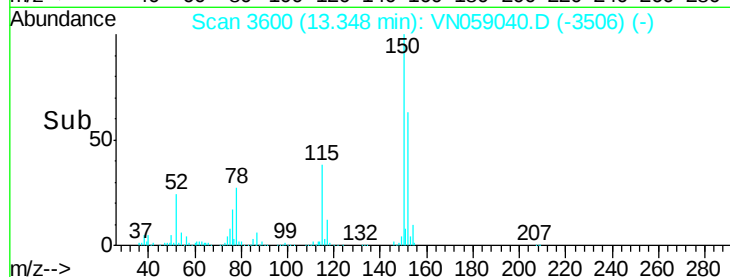
150 159.8 0.0 344.4



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: 27.880 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN059040.D

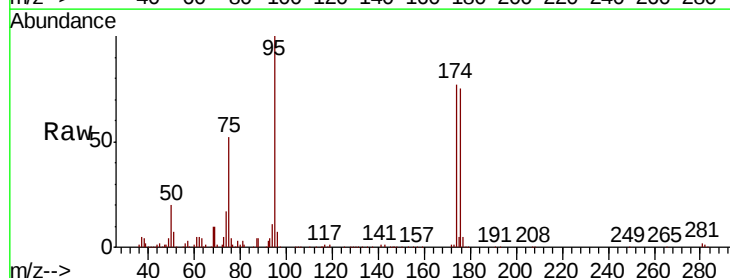
Acq: 31 Oct 2019 15:36

Tgt Ion: 75 Resp: 137368

Ion Ratio Lower Upper

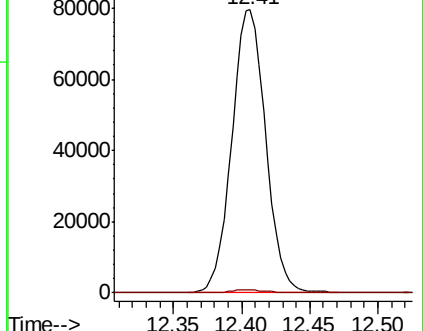
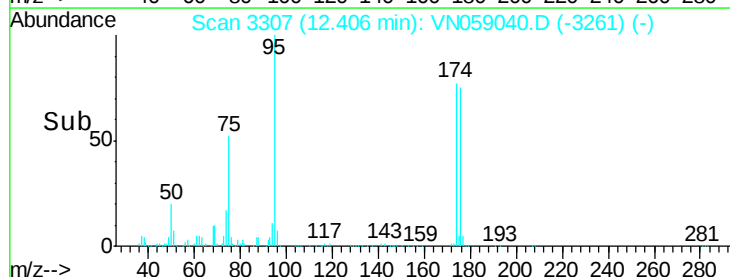
75 100

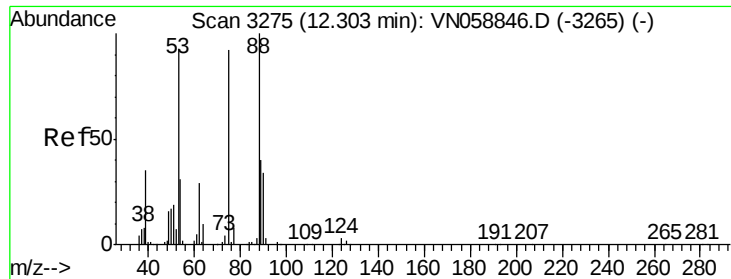
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.630 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

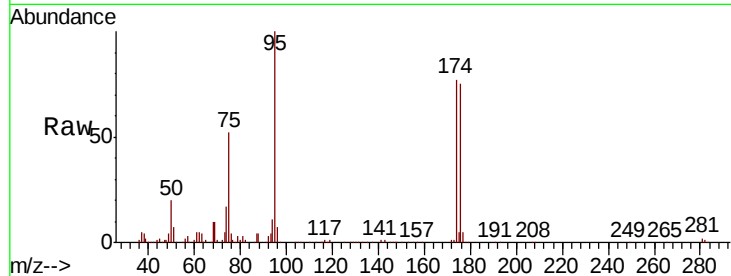
Tot Ion: 75 Resp: 137368

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

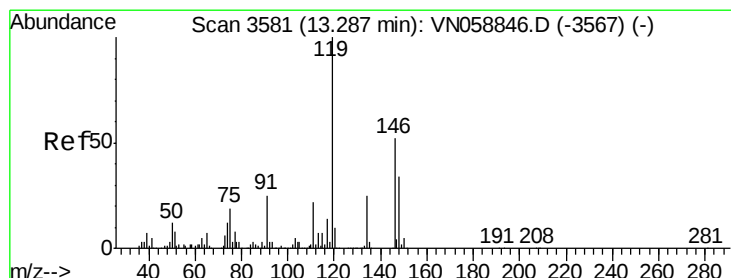
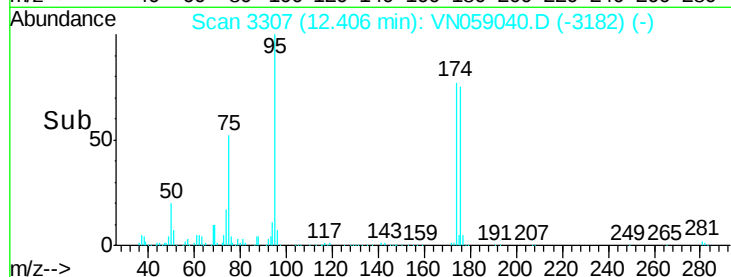
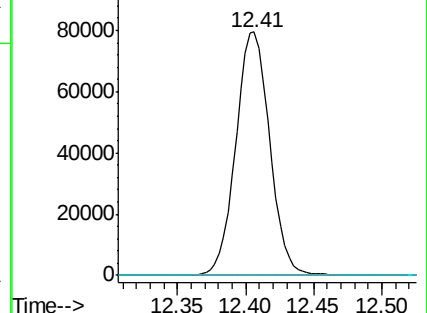
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058846.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058846.D (-3265) (-)



#87

1,3-Dichlorobenzene

Concen: 2.041 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

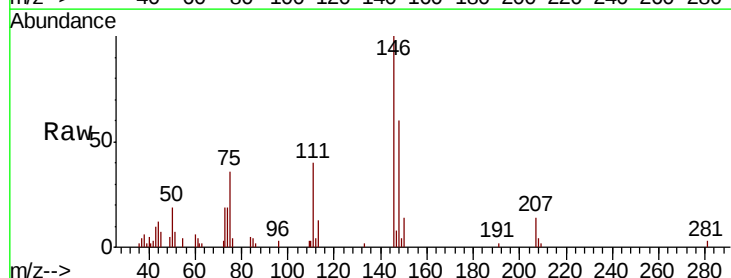
Tgt Ion: 146 Resp: 13978

Ion Ratio Lower Upper

146 100

111 41.3 21.0 63.0

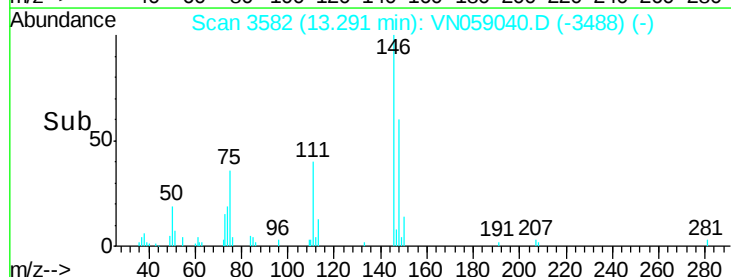
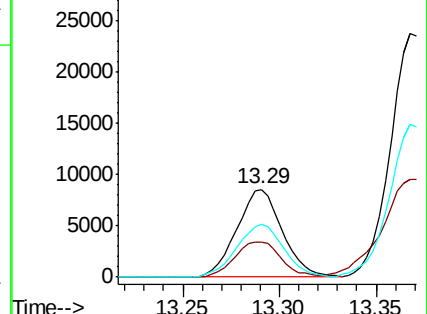
148 61.6 32.1 96.3

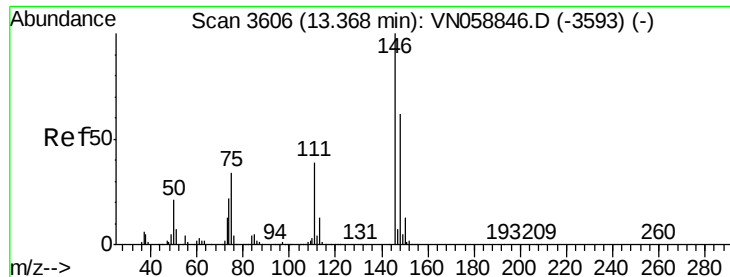


Abundance Ion 145.90 (145.60 to 146.60): VN058846.D (-3567) (-)

Ion 110.90 (110.60 to 111.60): VN058846.D (-3567) (-)

Ion 147.90 (147.60 to 148.60): VN058846.D (-3567) (-)

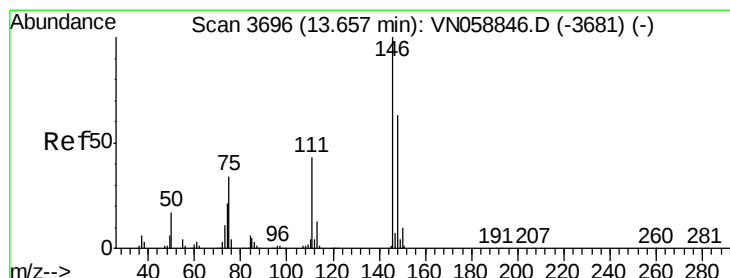
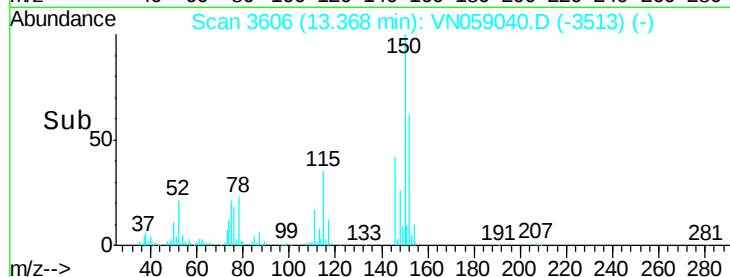
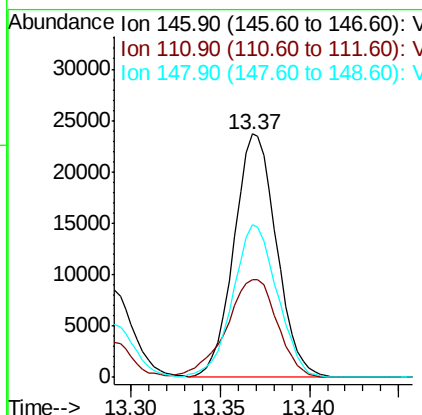
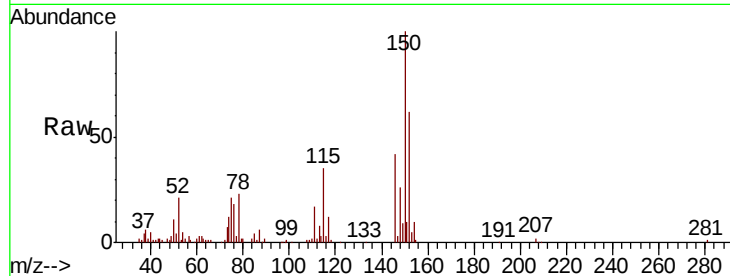




#88
 1,4-Dichlorobenzene
 Concen: 5.757 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

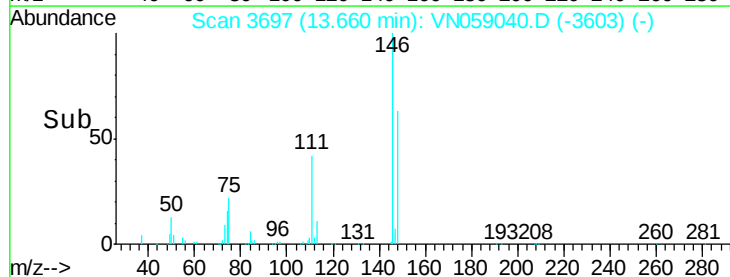
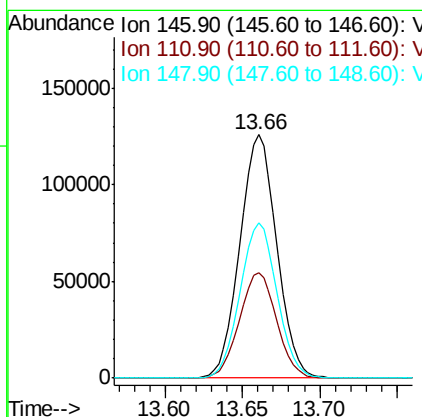
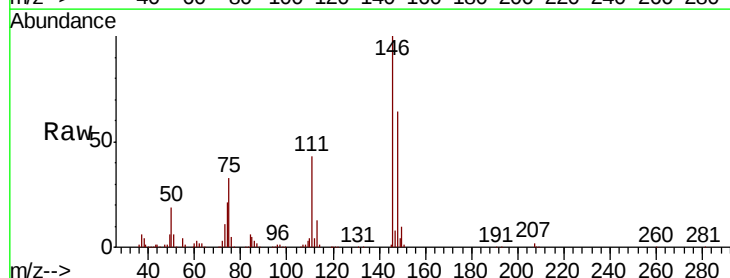
Instrument :
 MSVOA_N
 ClientSampled :

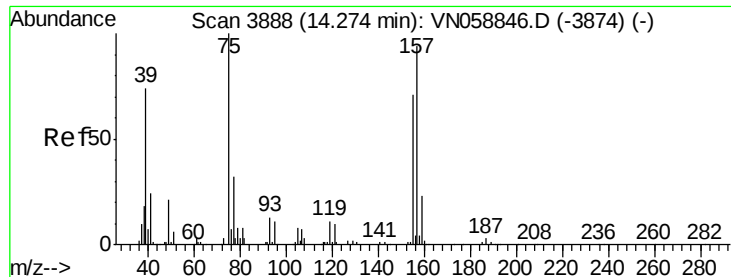
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	20.2	60.6
148	65.4	31.6	94.7



#91
 1,2-Dichlorobenzene
 Concen: 31.116 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.8
148	63.9	31.9	95.9

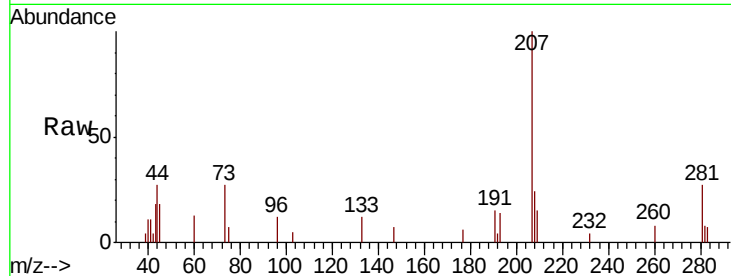




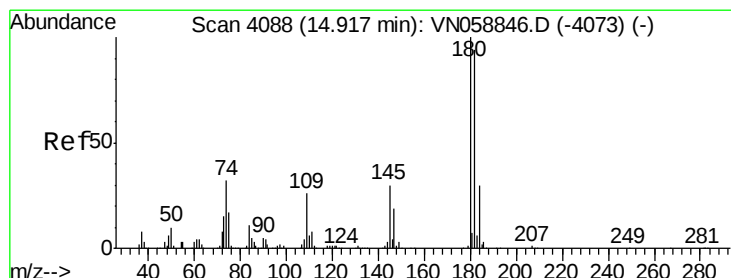
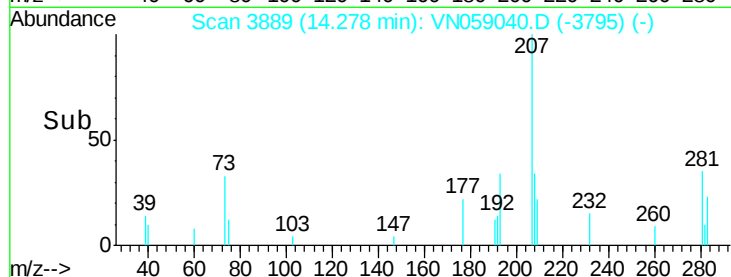
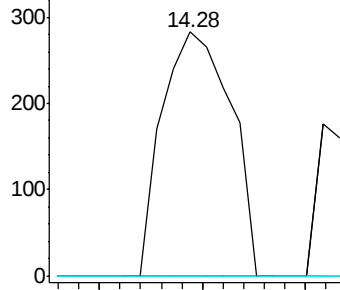
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.211 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 261
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.6 106.8#
 157 0.0 47.4 142.2#

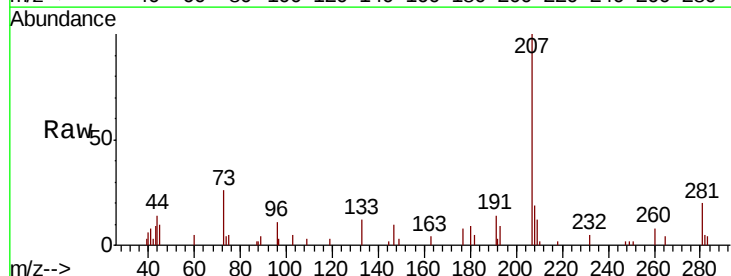


Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3874) (-)
 Ion 154.80 (154.50 to 155.50): VN058846.D (-3874) (-)
 Ion 156.80 (156.50 to 157.50): VN058846.D (-3874) (-)

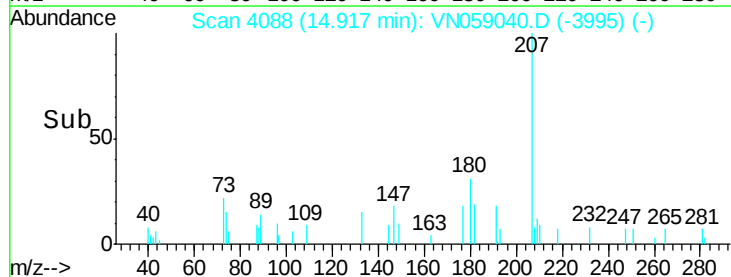
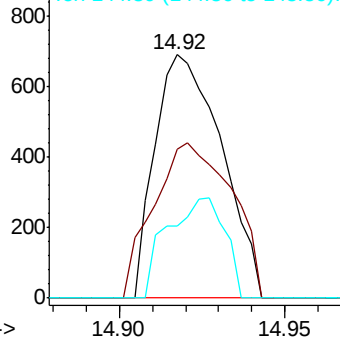


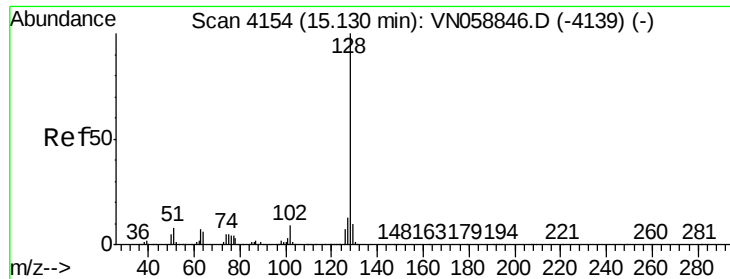
#93
 1,2,4-Trichlorobenzene
 Concen: 2.737 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059040.D
 Acq: 31 Oct 2019 15:36

Tgt Ion: 180 Resp: 967
 Ion Ratio Lower Upper
 180 100
 182 75.0 47.3 142.0
 145 35.2 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): VN058846.D (-4073) (-)
 Ion 181.80 (181.50 to 182.50): VN058846.D (-4073) (-)
 Ion 144.80 (144.50 to 145.50): VN058846.D (-4073) (-)





#95

Naphthalene

Concen: 2.302 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

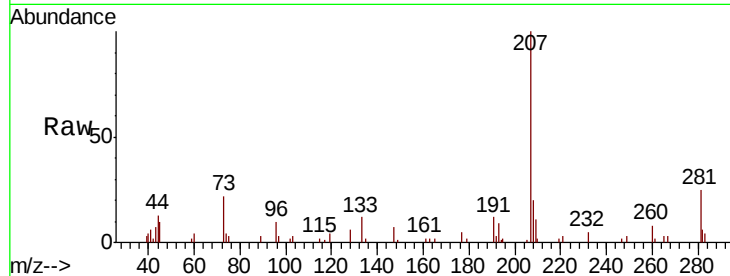
Tot Ion:128 Resp: 980

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

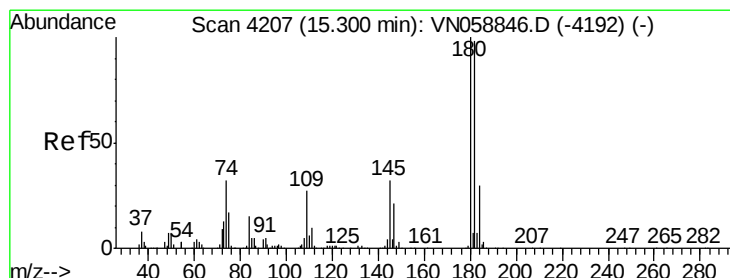
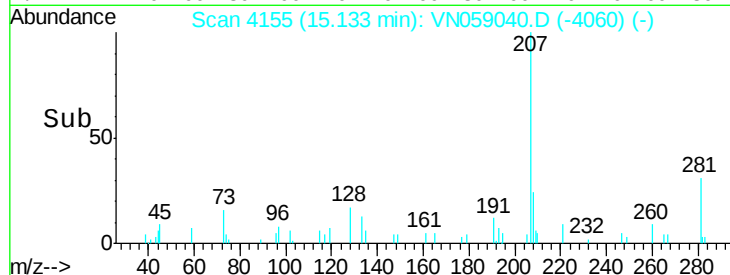
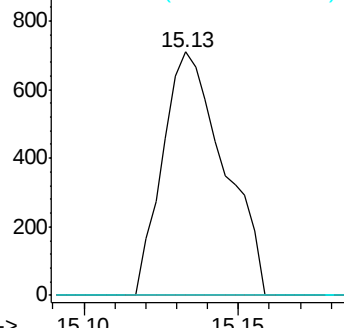
129 0.0 8.4 12.6#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.557 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN059040.D

Acq: 31 Oct 2019 15:36

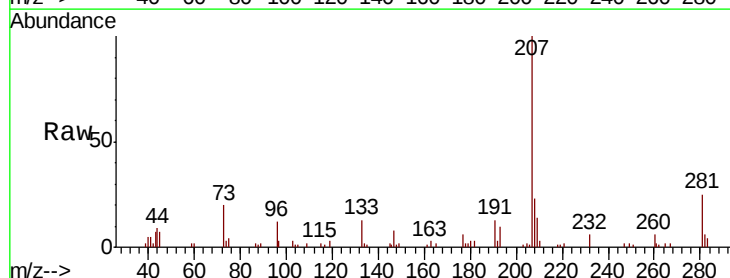
Tgt Ion:180 Resp: 706

Ion Ratio Lower Upper

180 100

182 73.9 47.9 143.7

145 39.0 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

