

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059043.D
 Acq On : 31 Oct 2019 16:43
 Operator : JC/SP
 Sample : K5626-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:13:02 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	374127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	584320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	520772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	199199	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	264652	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	7.57	113	196402	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.08	98	737656	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.41	95	231352	42.24	ug/l	0.00
Spiked Amount			Recovery	=	84.48%	

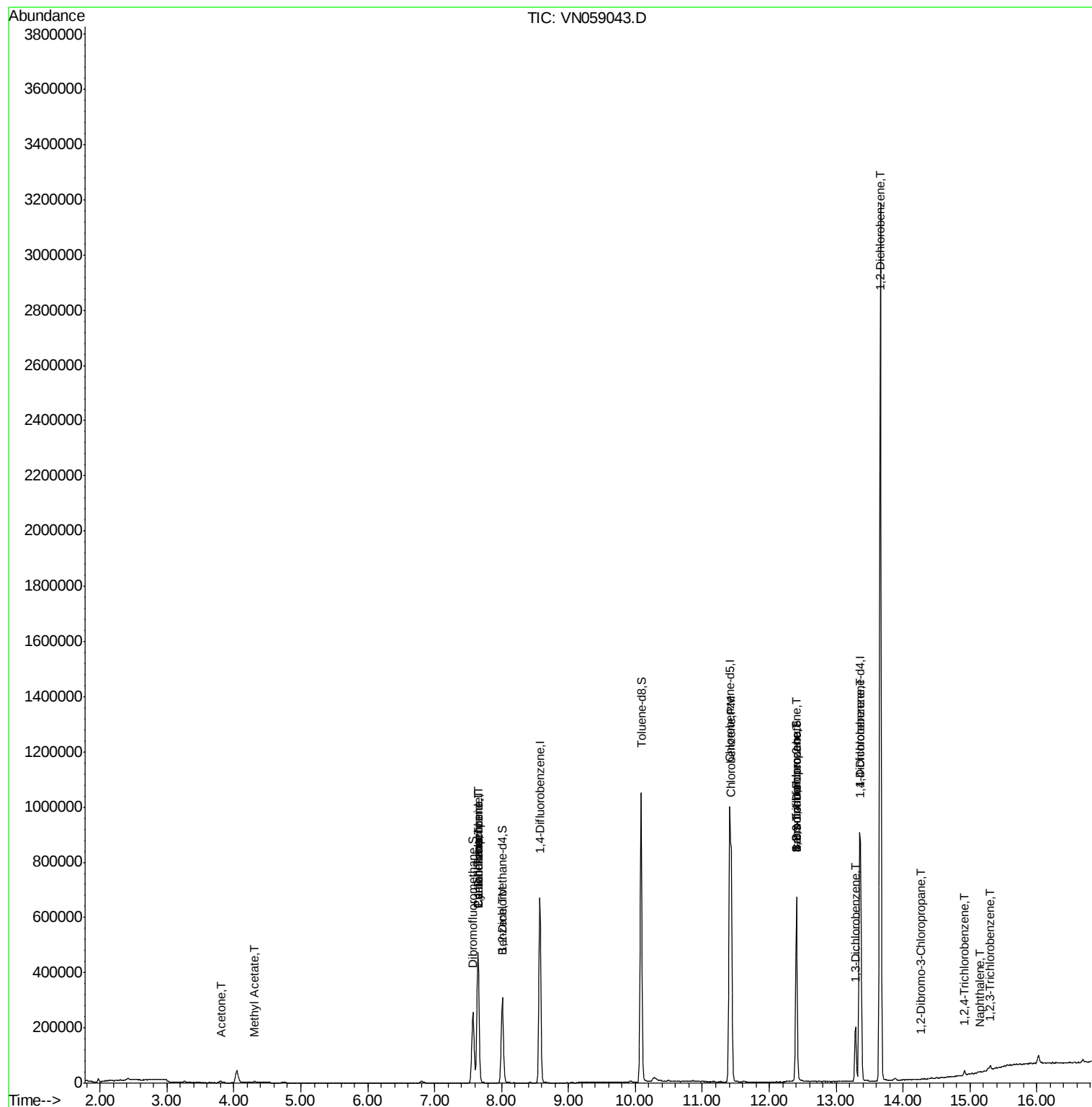
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	10278	3.791	ug/l	95
18) Methyl Acetate	4.30	43	6087	0.987	ug/l	99
31) Cyclohexane	7.65	56	8744	1.109	ug/l #	5
36) 1,1-Dichloropropene	7.65	75	30690	5.130	ug/l #	51
38) Carbon Tetrachloride	7.65	117	36179	5.871	ug/l #	19
40) Benzene	8.02	78	4460	0.254	ug/l #	88
65) Chlorobenzene	11.43	112	404788	38.180	ug/l	97
71) Bromoform	12.40	173	1286	0.415	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	120107	26.016	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	120107	67.774	ug/l #	10
87) 1,3-Dichlorobenzene	13.29	146	81820	12.752	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	231931	36.106	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	1292617	204.978	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	304	0.263	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	5287	3.785	ug/l	92
95) Naphthalene	15.14	128	682	2.282	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	4342	3.464	ug/l	85

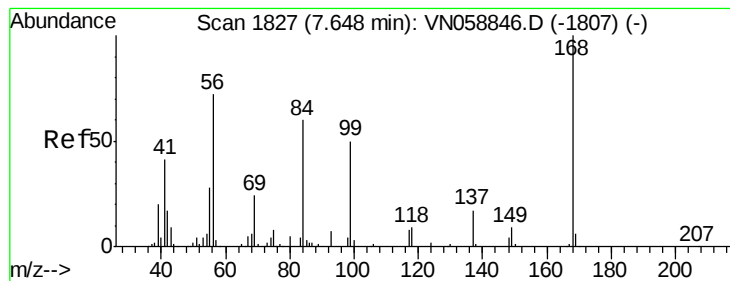
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 19 00:16:20 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN059043.D

Acq: 31 Oct 2019 16:43

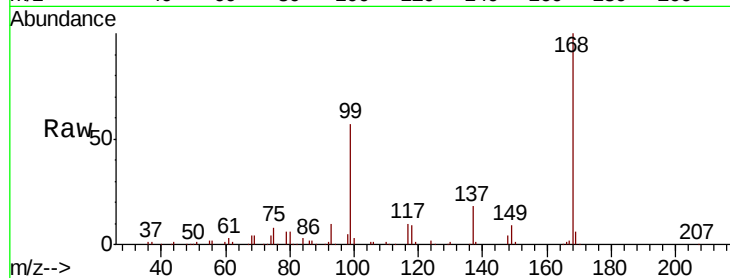
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 374127

Ion Ratio Lower Upper

168 100

99 57.2 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

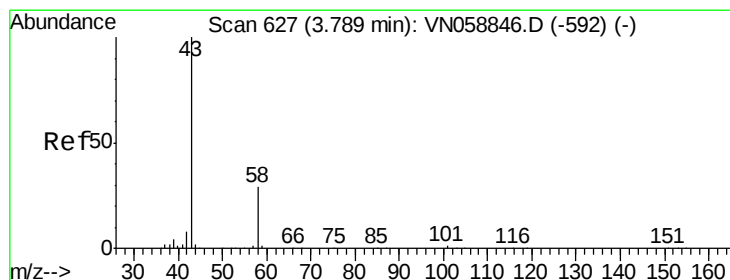
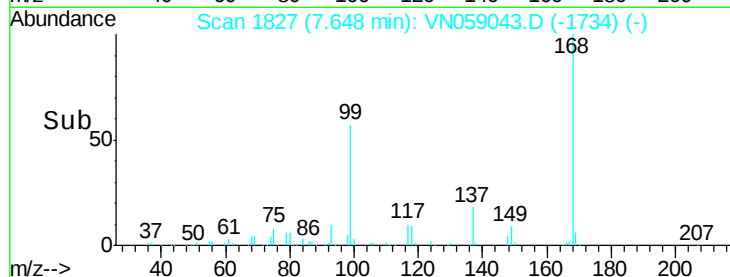
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.791 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059043.D

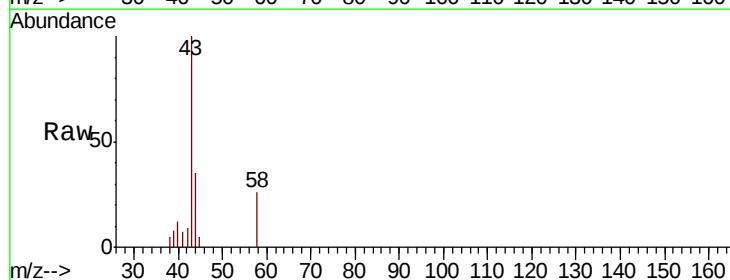
Acq: 31 Oct 2019 16:43

Tgt Ion: 43 Resp: 10278

Ion Ratio Lower Upper

43 100

58 26.3 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

4000

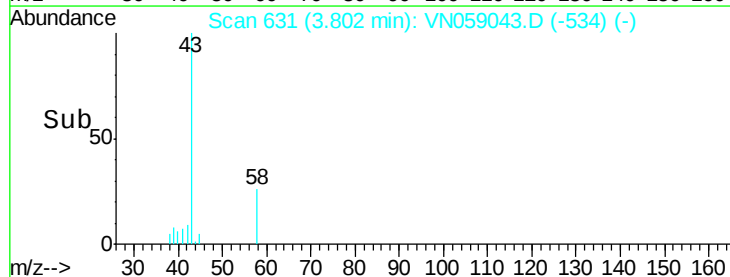
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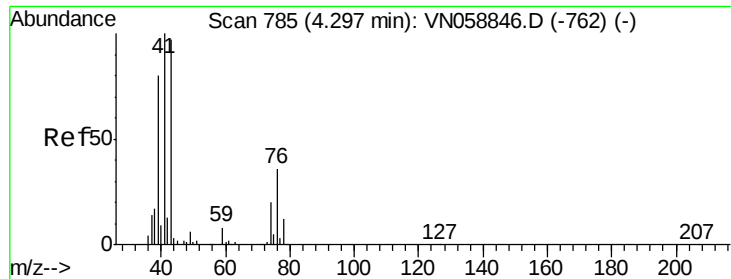
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1000

0

Time-->

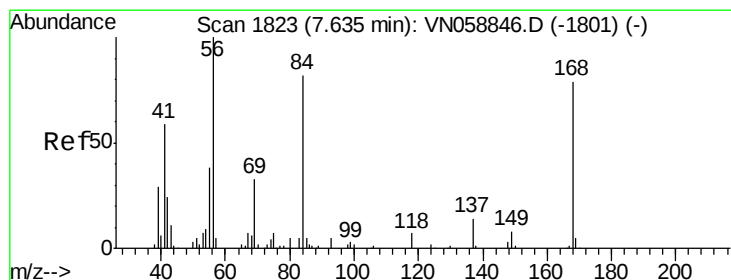
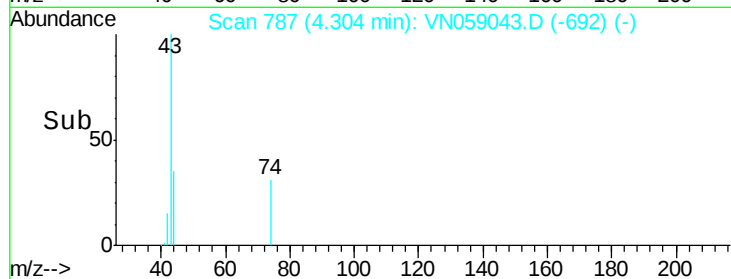
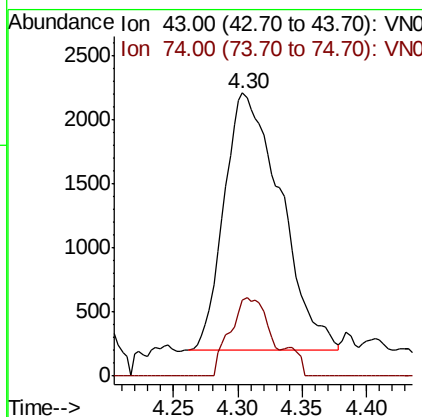
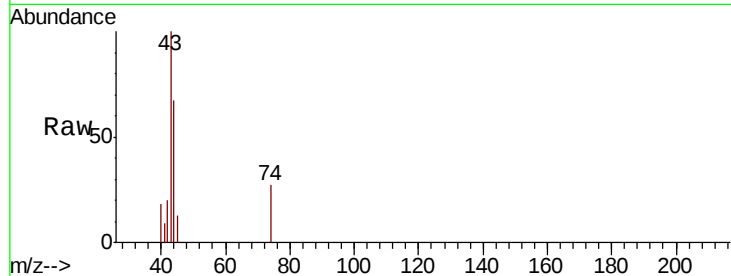




#18
Methvl Acetate
Concen: 0.987 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059043.D
Acq: 31 Oct 2019 16:43

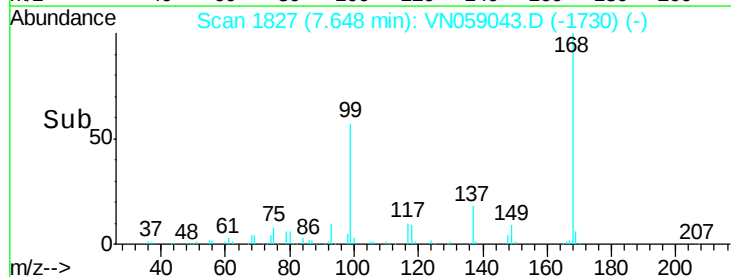
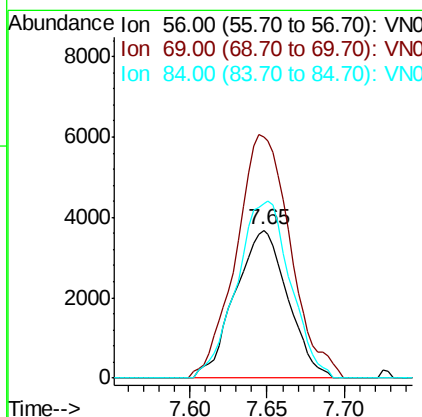
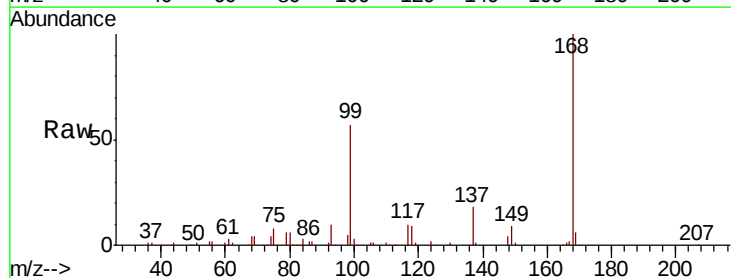
Instrument :
MSVOA_N
ClientSampleId :

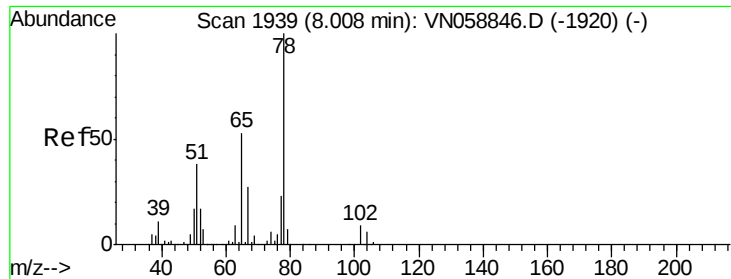
Tot Ion: 43 Resp: 6087
Ion Ratio Lower Upper
43 100
74 20.7 17.1 25.7



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN059043.D
Acq: 31 Oct 2019 16:43

Tgt Ion: 56 Resp: 8744
Ion Ratio Lower Upper
56 100
69 163.2 26.2 39.4#
84 118.0 65.6 98.4#

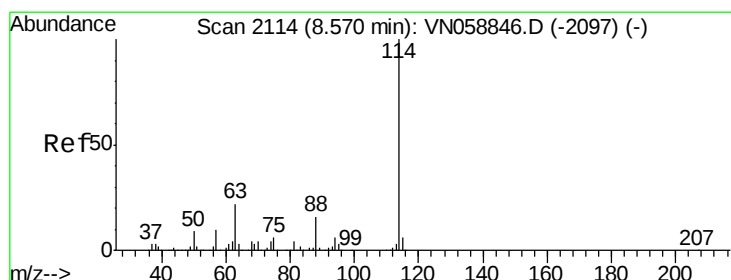
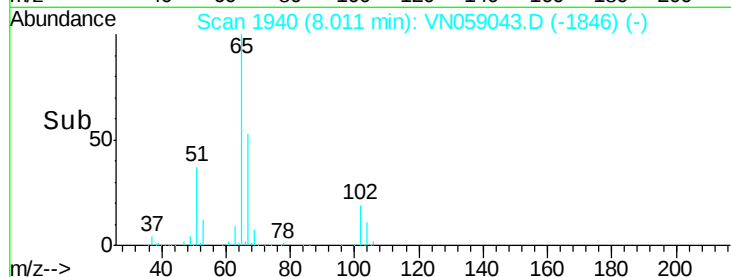
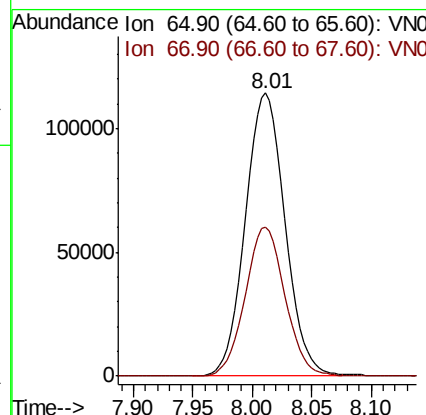
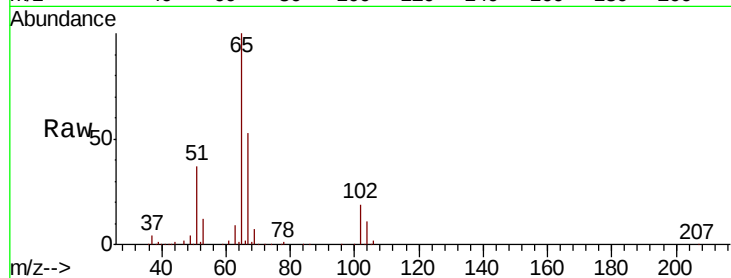




#33
 1,2-Dichloroethane-d4
 Concen: 48.231 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

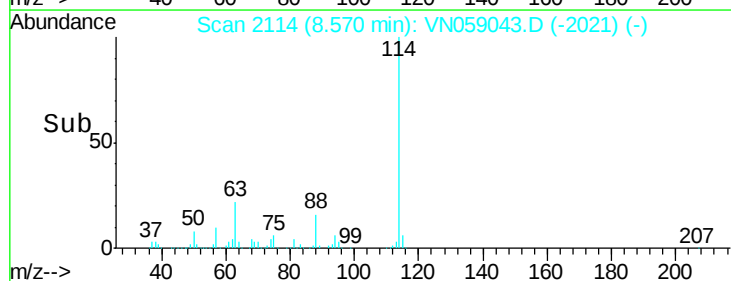
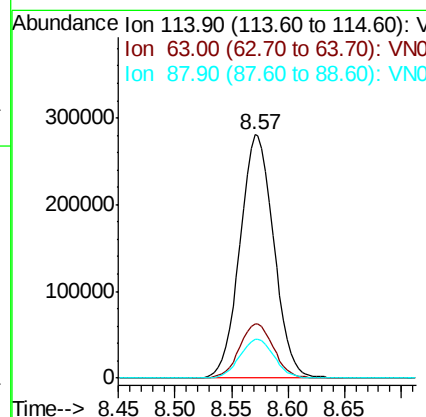
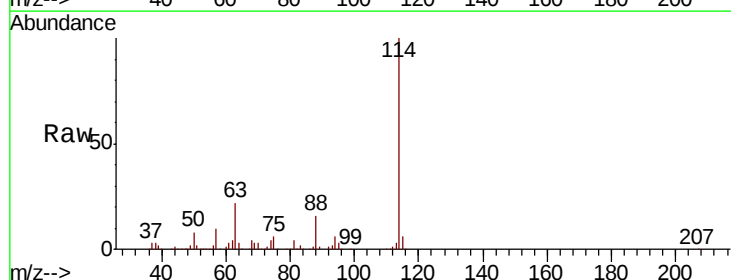
Instrument :
 MSVOA_N
 ClientSampled :

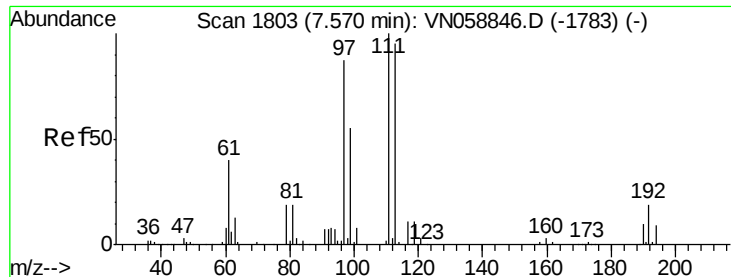
Tot Ion: 65 Resp: 264652
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

Tgt Ion: 114 Resp: 584320
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.4
 88 16.0 0.0 31.4

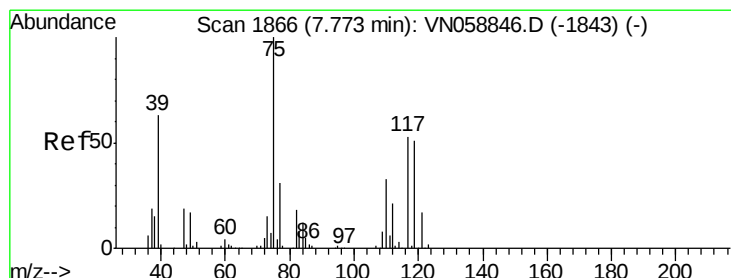
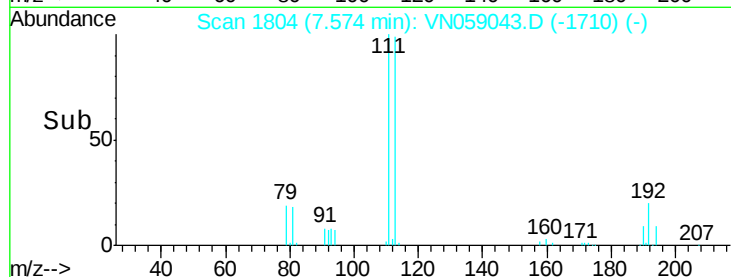
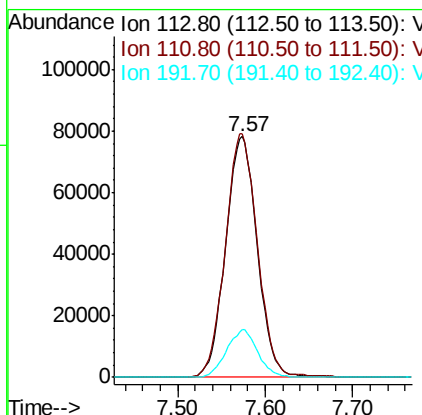
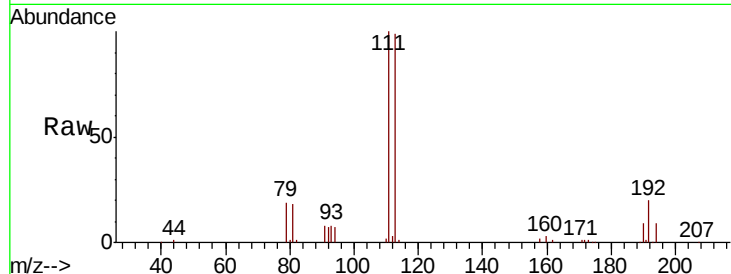




#35
 Dibromofluoromethane
 Concen: 51.123 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

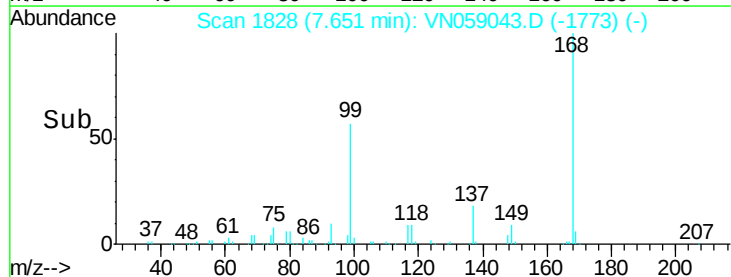
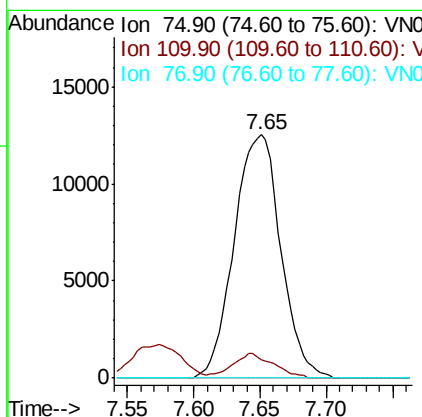
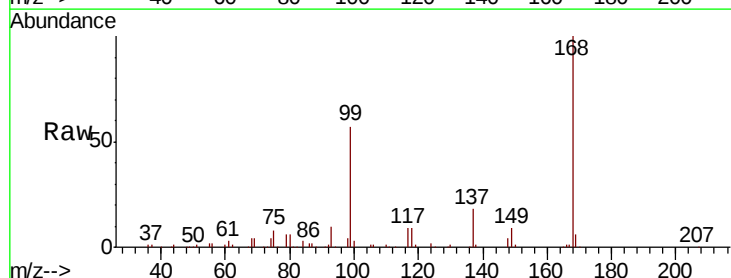
Instrument :
 MSVOA_N
 ClientSampleId :

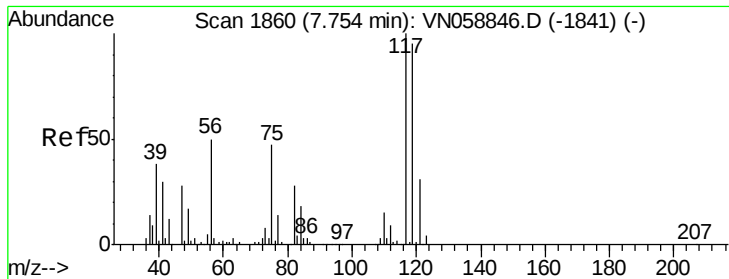
Tot Ion:113 Resp: 196402
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 19.4 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 5.130 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

Tgt Ion: 75 Resp: 30690
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.3 48.9#
 77 0.0 24.6 36.8#

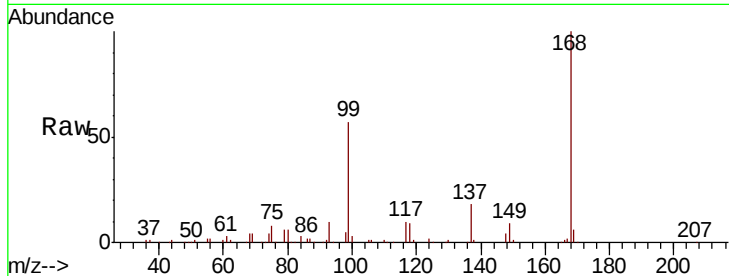




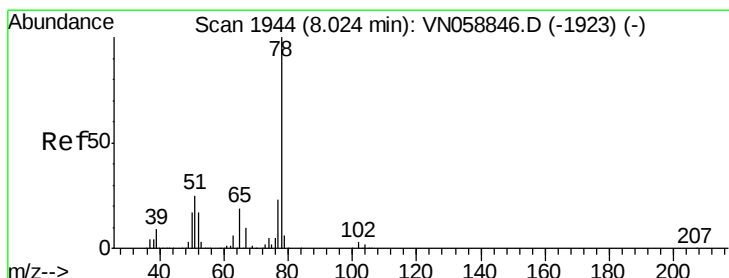
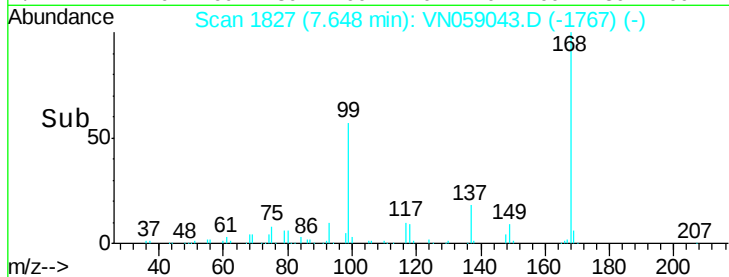
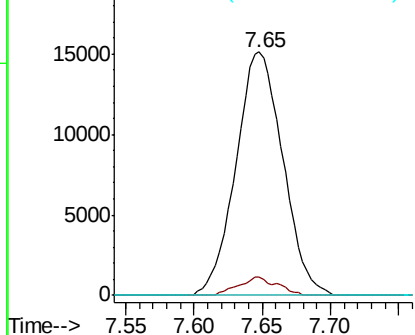
#38
Carbon Tetrachloride
Concen: 5.871 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN059043.D
Acq: 31 Oct 2019 16:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 36179
Ion Ratio Lower Upper
117 100
119 7.7 75.7 113.5#
121 0.0 25.0 37.6#

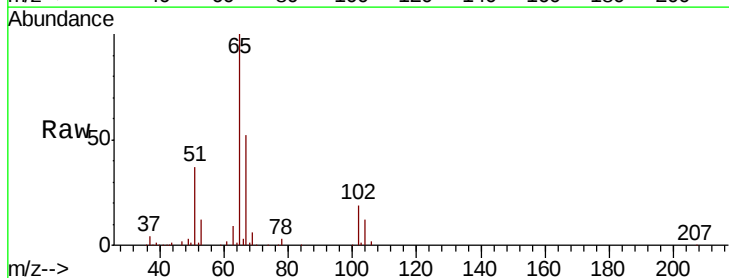


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

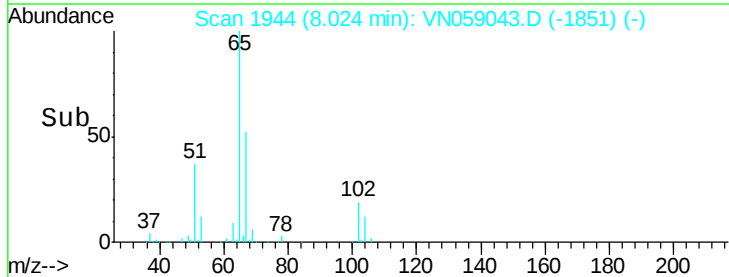
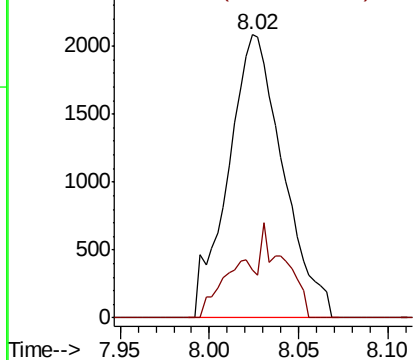


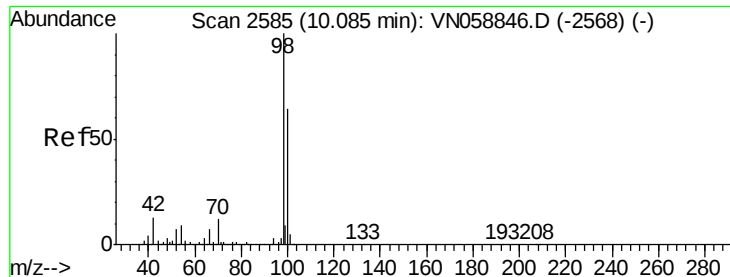
#40
Benzene
Concen: 0.254 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN059043.D
Acq: 31 Oct 2019 16:43

Tgt Ion: 78 Resp: 4460
Ion Ratio Lower Upper
78 100
77 17.1 18.2 27.2#



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: 49.463 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN059043.D

Acq: 31 Oct 2019 16:43

Instrument :

MSVOA_N

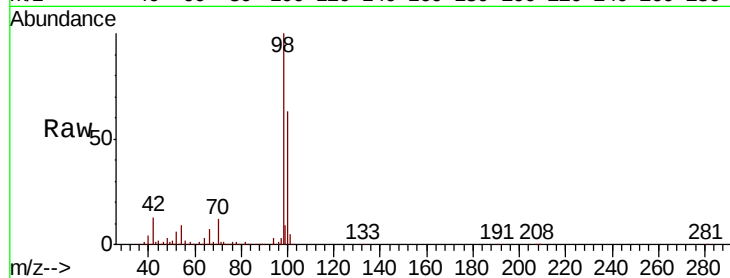
ClientSampled :

Tot Ion: 98 Resp: 737656

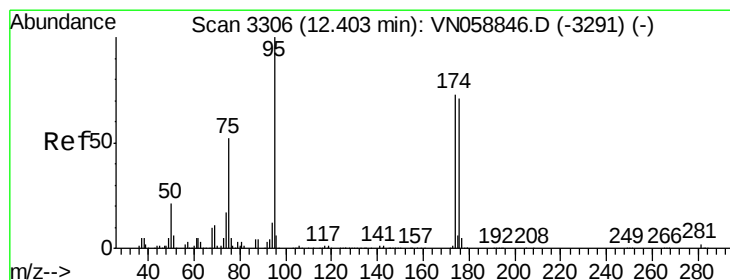
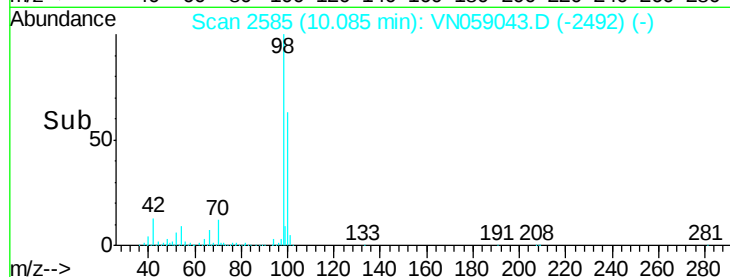
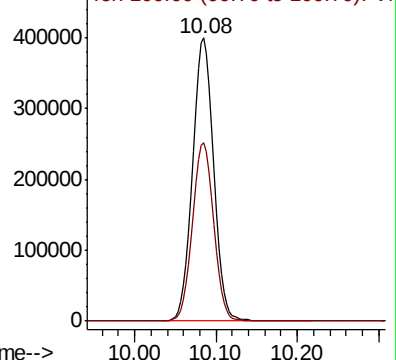
Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)



#62

4-Bromofluorobenzene

Concen: 42.245 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059043.D

Acq: 31 Oct 2019 16:43

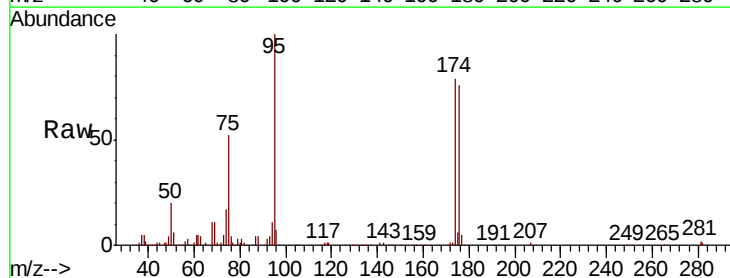
Tgt Ion: 95 Resp: 231352

Ion Ratio Lower Upper

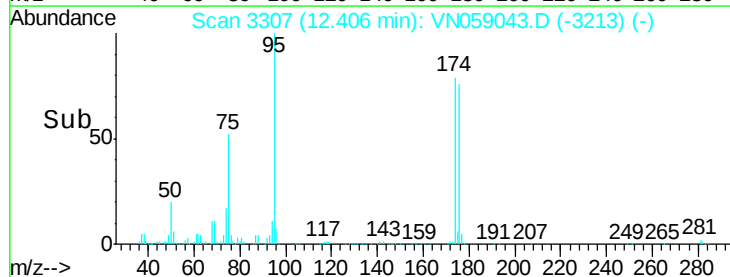
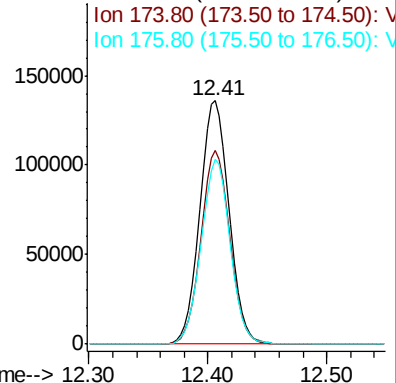
95 100

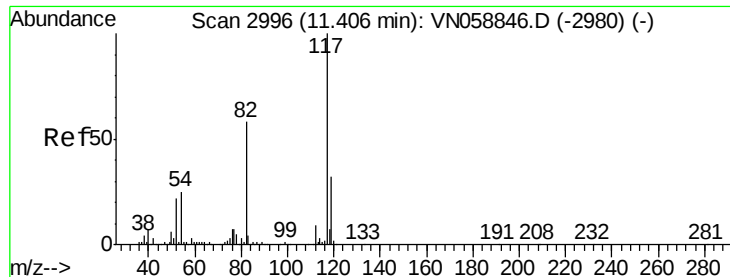
174 78.9 0.0 147.6

176 75.3 0.0 143.2



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

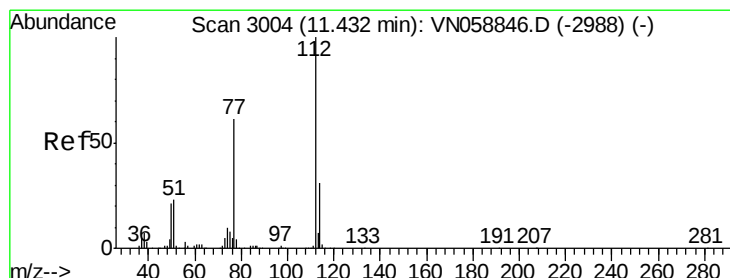
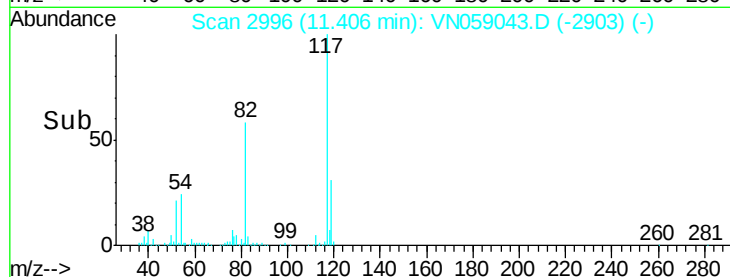
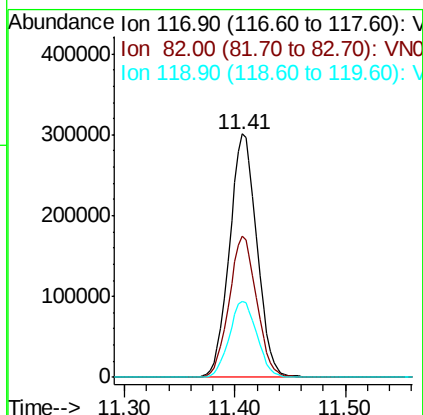
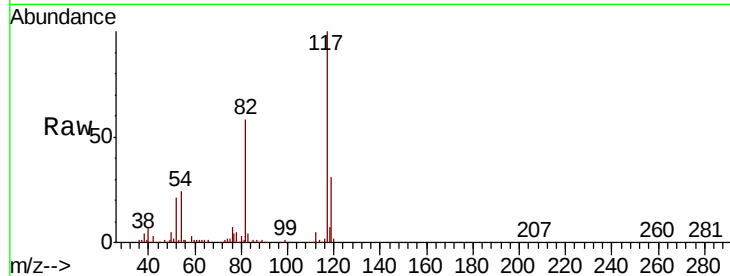




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN059043.D
Acq: 31 Oct 2019 16:43

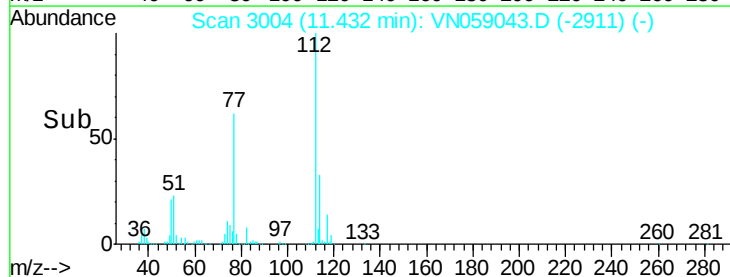
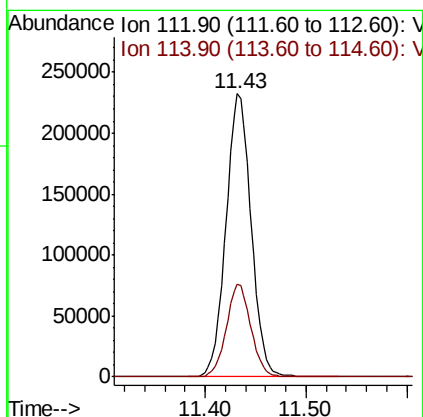
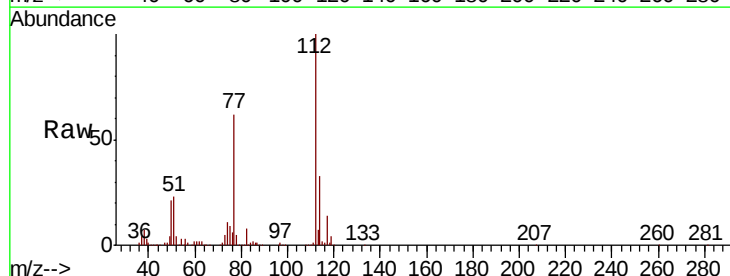
Instrument :
MSVOA_N
ClientSampleId :

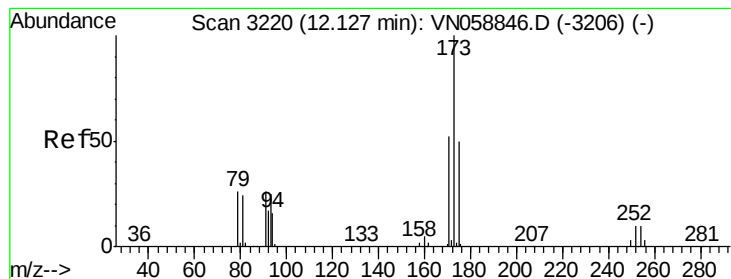
Tot Ion:117 Resp: 520772
Ion Ratio Lower Upper
117 100
82 57.8 46.6 69.8
119 31.4 25.6 38.4



#65
Chlorobenzene
Concen: 38.180 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN059043.D
Acq: 31 Oct 2019 16:43

Tgt Ion:112 Resp: 404788
Ion Ratio Lower Upper
112 100
114 32.9 25.1 37.7





#71

Bromoform

Concen: 0.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059043.D

Acq: 31 Oct 2019 16:43

Instrument :

MSVOA_N

ClientSampled :

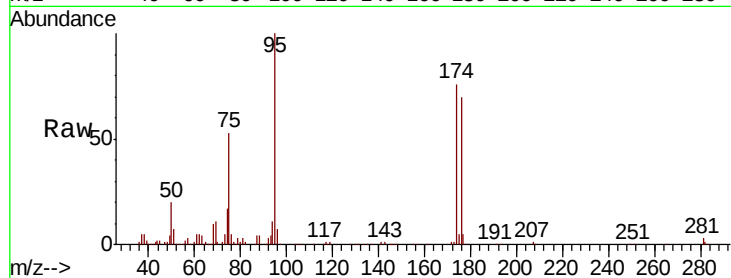
Tot Ion:173 Resp: 1286

Ion Ratio Lower Upper

173 100

175 734.8 24.7 74.1#

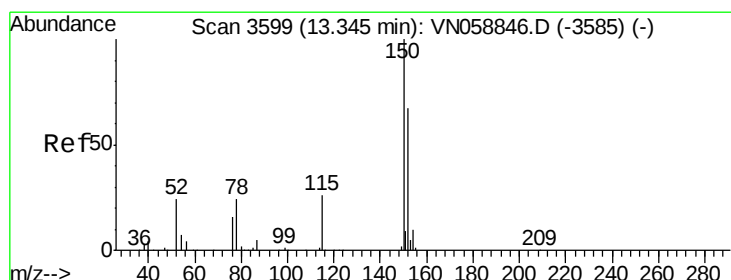
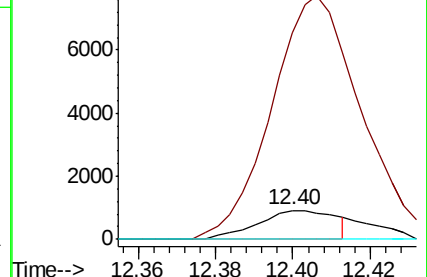
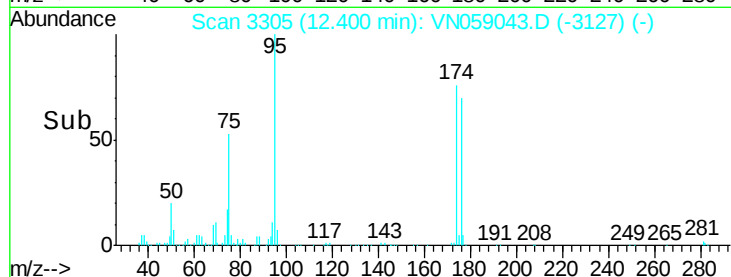
254 0.0 0.0 0.0



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059043.D

Acq: 31 Oct 2019 16:43

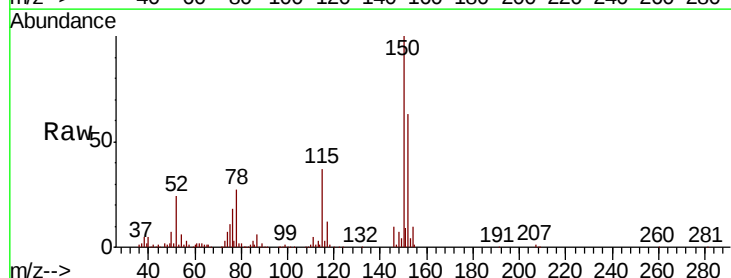
Tgt Ion:152 Resp: 199199

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

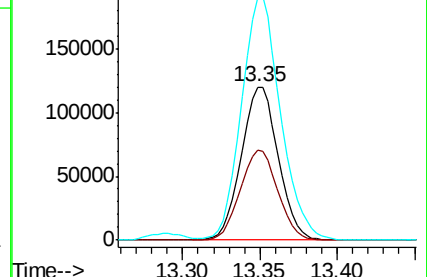
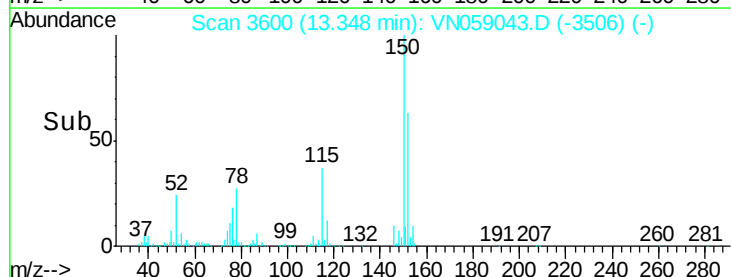
150 167.5 0.0 344.4

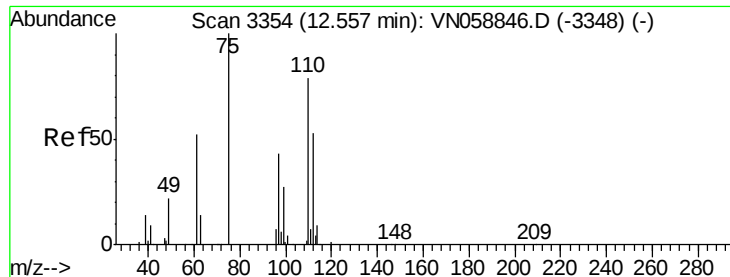


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.016 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN059043.D

Acq: 31 Oct 2019 16:43

Instrument :

MSVOA_N

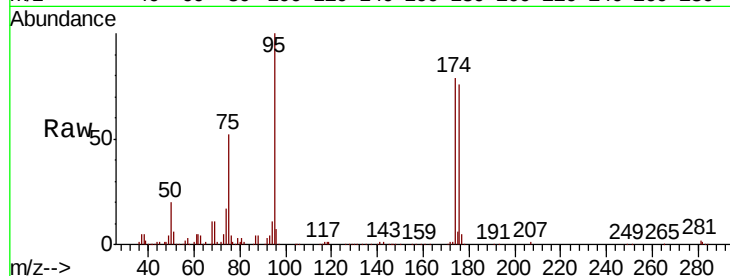
ClientSampleId :

Tot Ion: 75 Resp: 120107

Ion Ratio Lower Upper

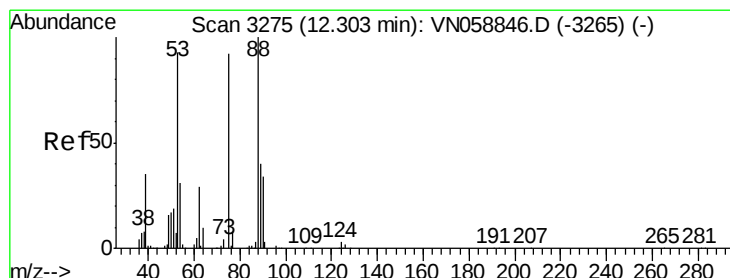
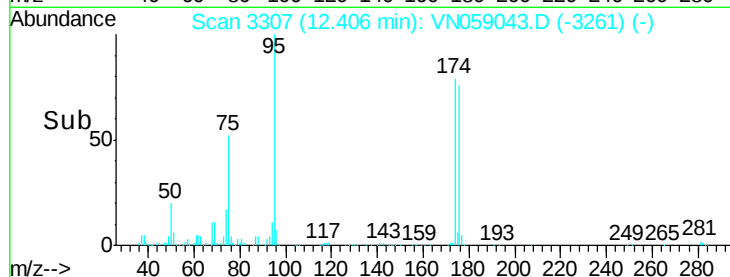
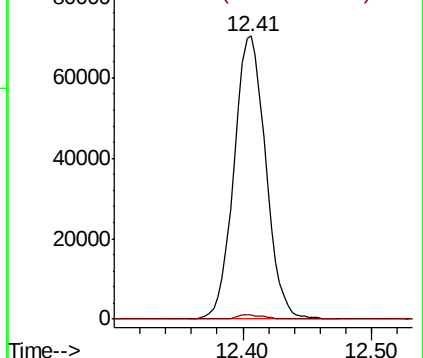
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 67.774 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN059043.D

Acq: 31 Oct 2019 16:43

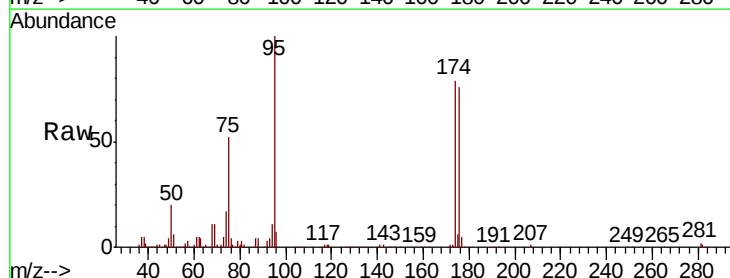
Tgt Ion: 75 Resp: 120107

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

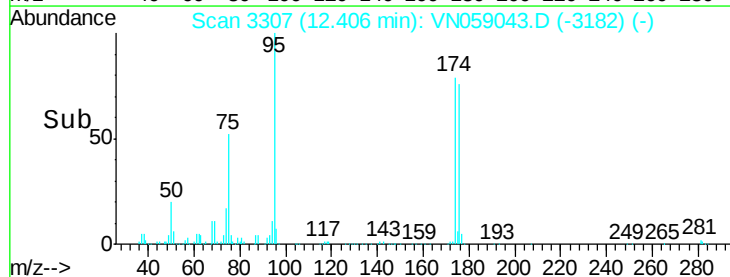
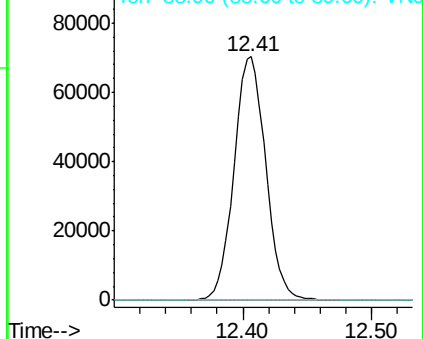
89 0.0 35.4 53.0#

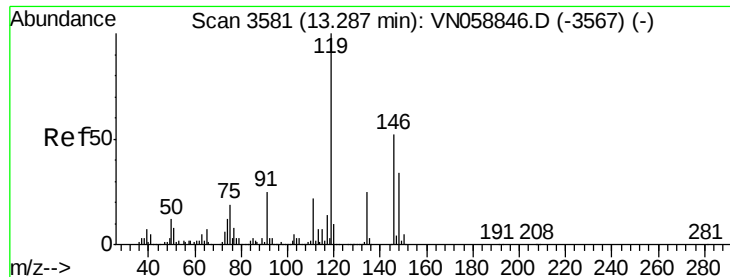


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

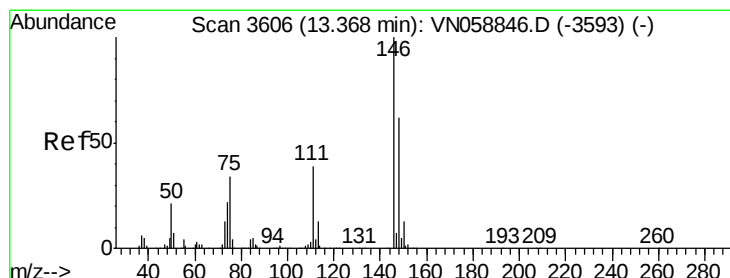
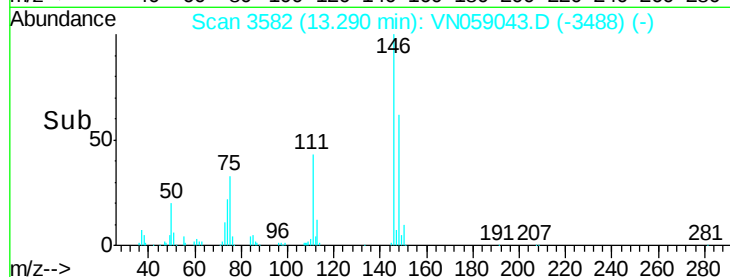
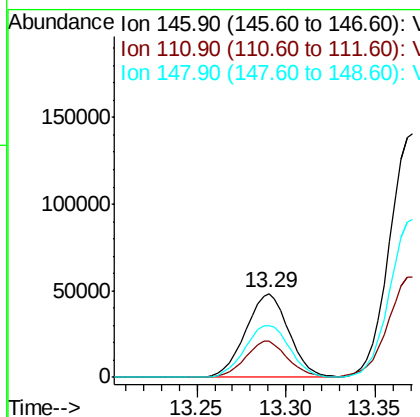
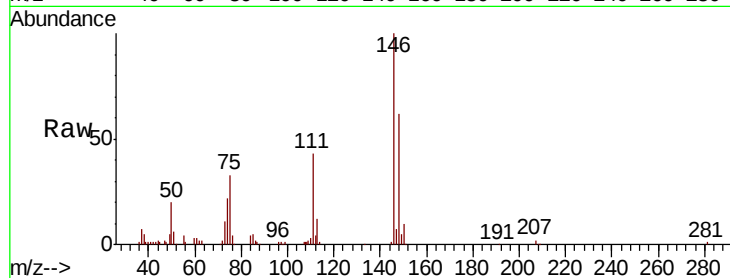




#87
 1,3-Dichlorobenzene
 Concen: 12.752 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

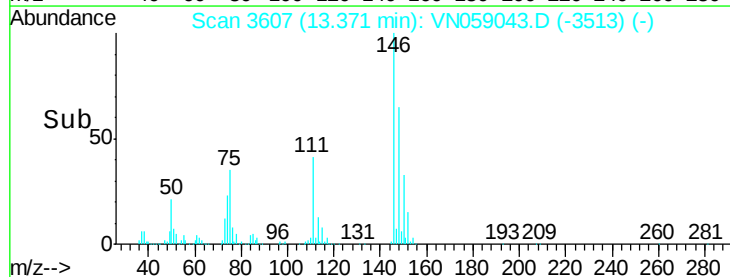
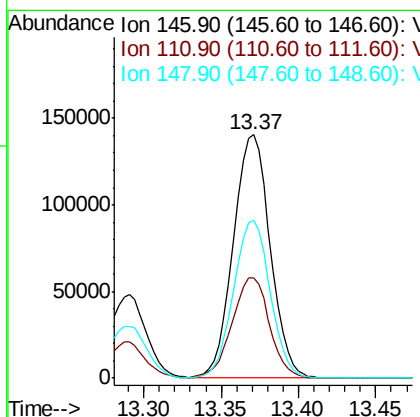
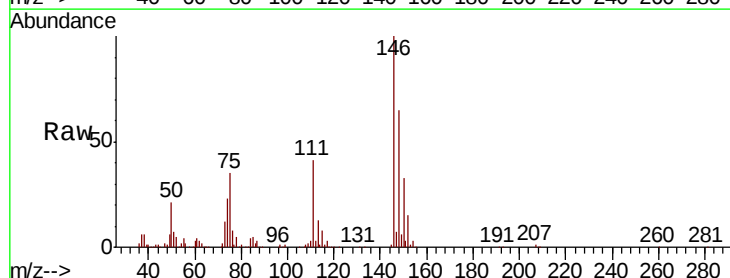
Instrument :
 MSVOA_N
 ClientSampleId :

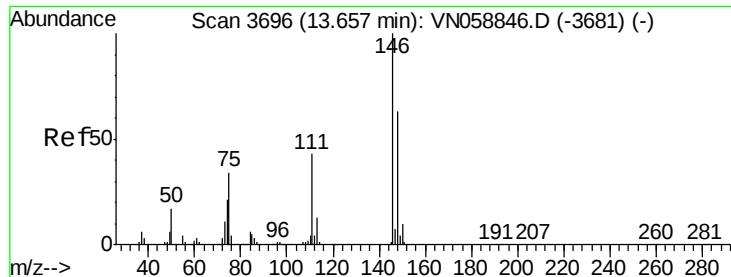
Tot Ion:146 Resp: 81820
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.0 63.0
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 36.106 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

Tgt Ion:146 Resp: 231931
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.2 60.6
 148 64.8 31.6 94.7

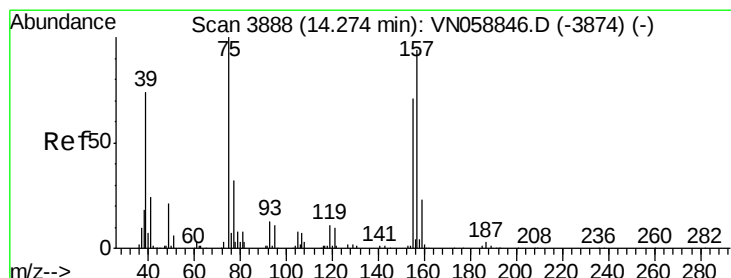
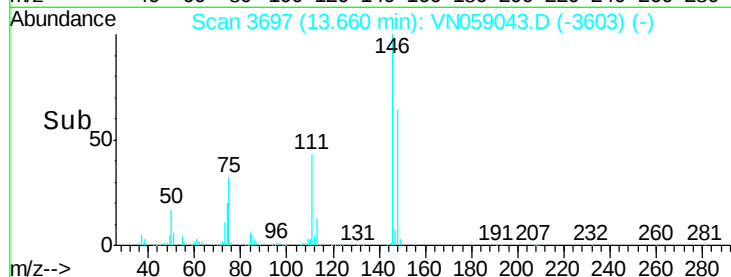
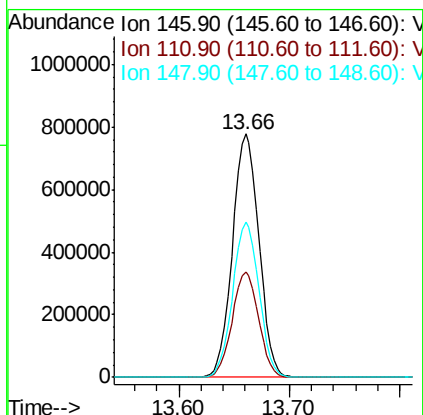
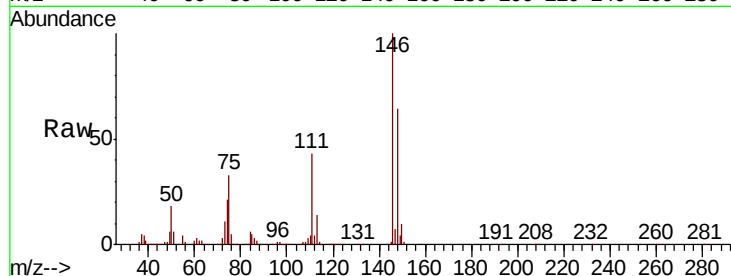




#91
 1,2-Dichlorobenzene
 Concen: 204.978 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

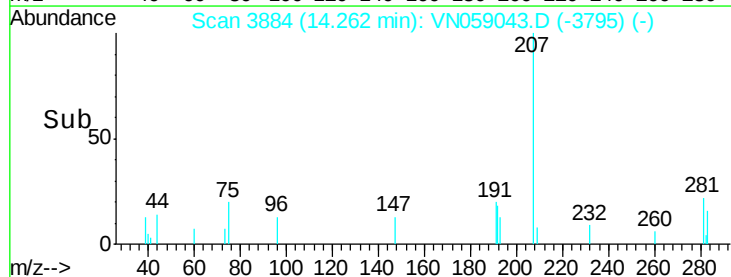
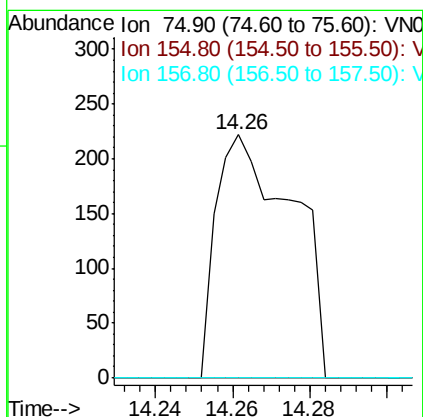
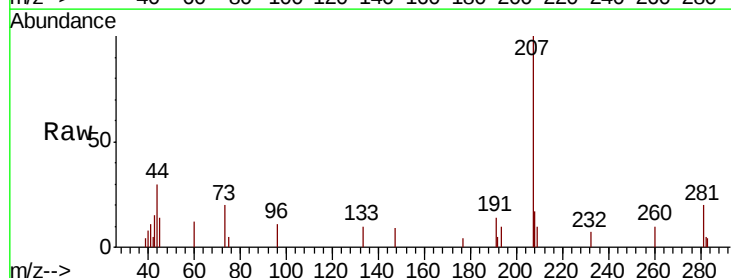
Instrument :
 MSVOA_N
 ClientSampleId :

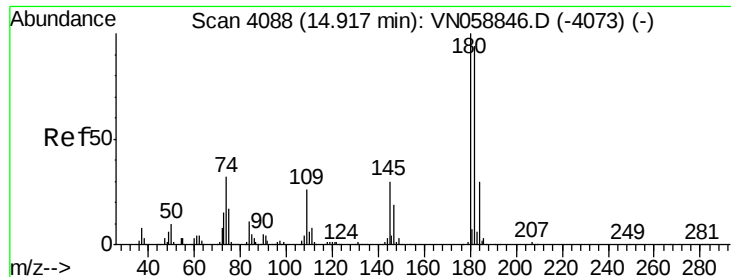
Tot Ion:146 Resp: 1292617
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 64.8
 148 63.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.263 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.01 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

Tgt Ion: 75 Resp: 304
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.6 106.8#
 157 0.0 47.4 142.2#

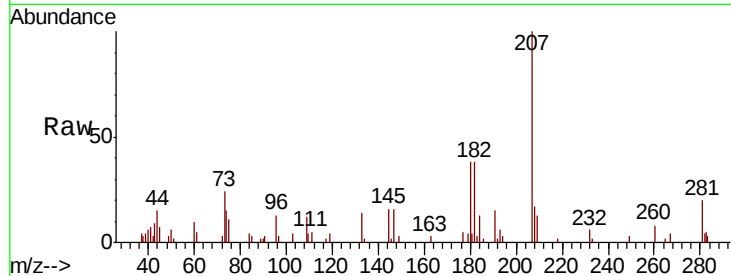




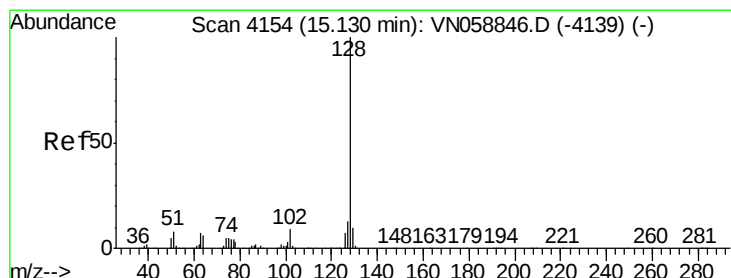
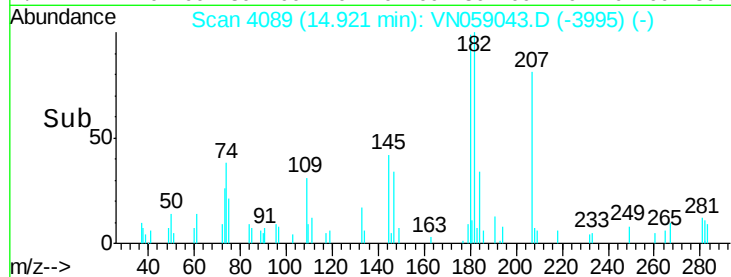
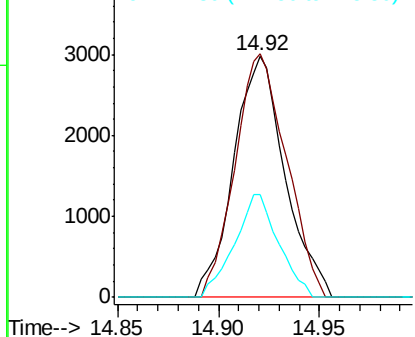
#93
 1,2,4-Trichlorobenzene
 Concen: 3.785 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.9	47.3	142.0
145	36.7	15.3	45.8

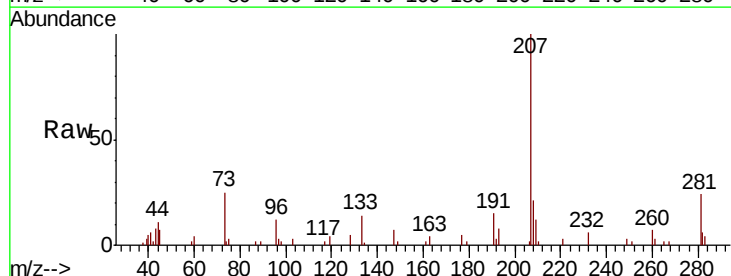


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

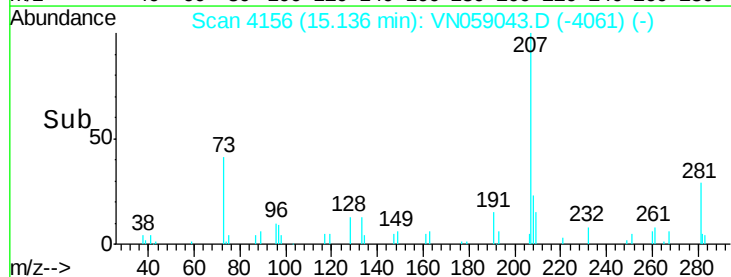
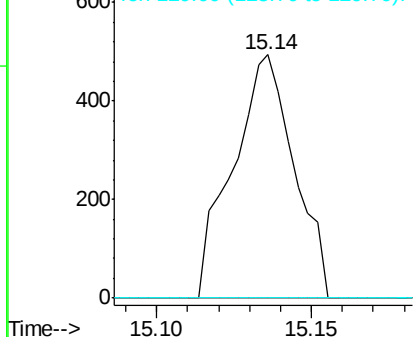


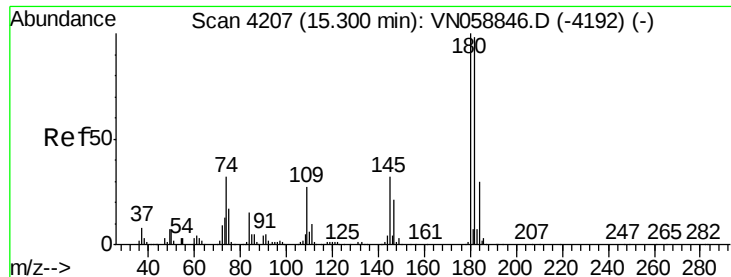
#95
 Naphthalene
 Concen: 2.282 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

Tgt 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

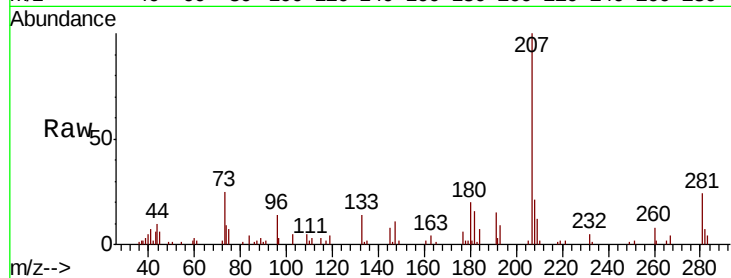




#96
 1,2,3-Trichlorobenzene
 Concen: 3.464 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN059043.D
 Acq: 31 Oct 2019 16:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.0	47.9	143.7
145	39.1	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

