

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056186.D
 Acq On : 10 Jun 2019 23:19
 Operator : JC/SP
 Sample : K3267-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	295875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	445325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	431744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	159519	54.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.60%	
35) Dibromofluoromethane	7.59	113	147109	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
50) Toluene-d8	10.09	98	577119	54.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.78%	
62) 4-Bromofluorobenzene	12.40	95	176798	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	

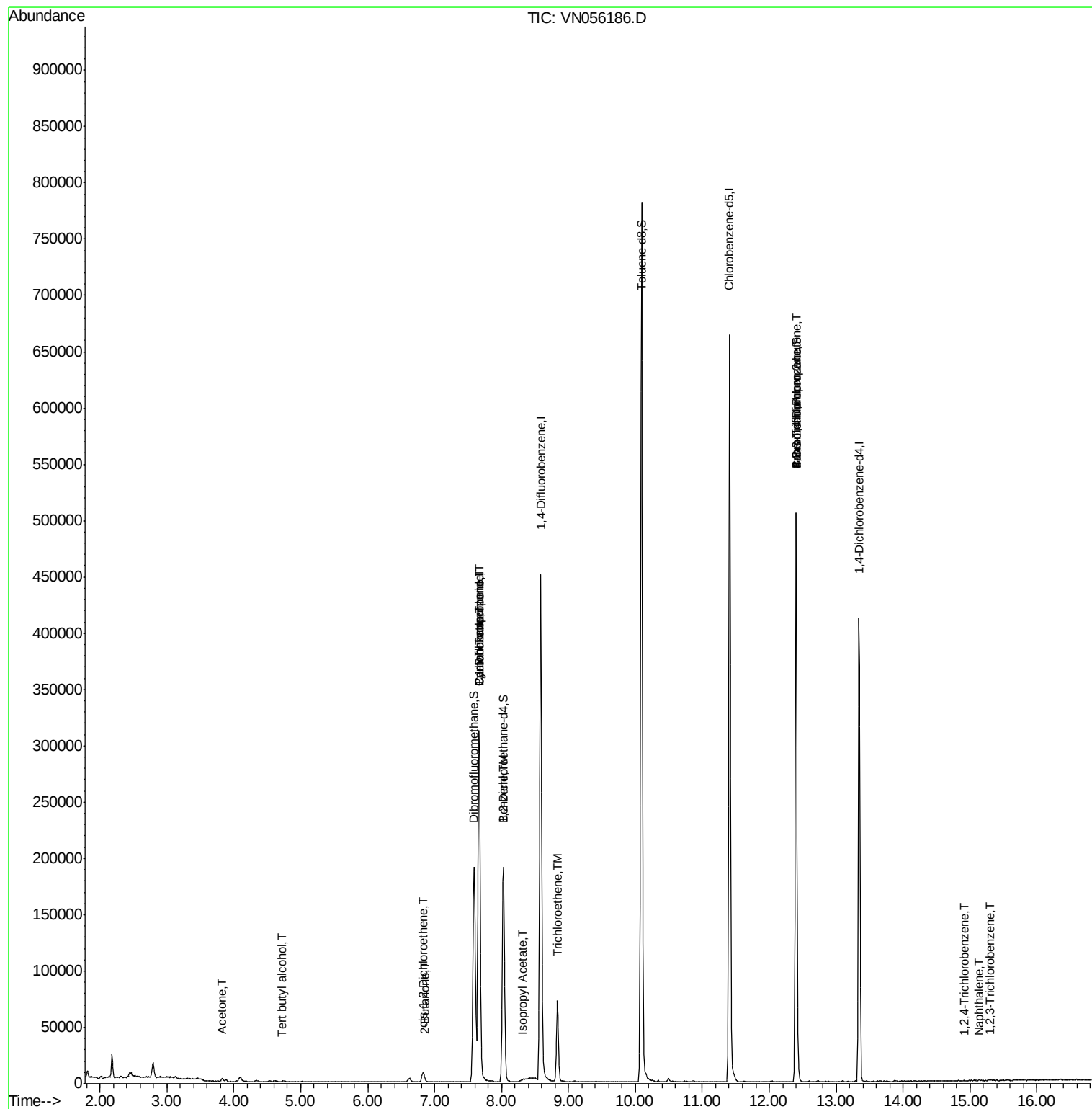
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	126	0.246	ug/l #	74
16) Acetone	3.82	43	4408	3.137	ug/l	94
25) 2-Butanone	6.87	43	432	0.243	ug/l #	47
27) cis-1,2-Dichloroethene	6.83	96	6585	2.105	ug/l	88
31) Cyclohexane	7.66	56	5892	1.264	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16770	4.380	ug/l #	45
38) Carbon Tetrachloride	7.66	117	23791	6.739	ug/l #	14
40) Benzene	8.03	78	4602	0.396	ug/l	94
43) Isopropyl Acetate	8.30	43	1374	0.249	ug/l #	53
44) Trichloroethene	8.83	130	29996	8.976	ug/l	99
71) Bromoform	12.40	173	1413	3.278	ug/l #	1
73) Isopropylbenzene	12.25	105	146	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	80248	33.843	ug/l #	100
79) 2-Chlorotoluene	12.68	91	64	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	80248	112.702	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	213	4.352	ug/l #	34
95) Naphthalene	15.14	128	775	3.967	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	299	3.147	ug/l #	73

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :

MSVOA_N

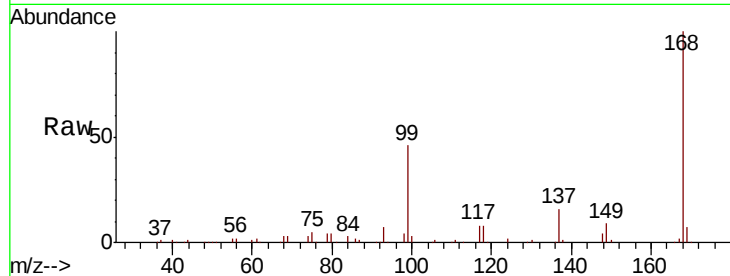
ClientSampleId :

Tot Ion:168 Resp: 295875

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

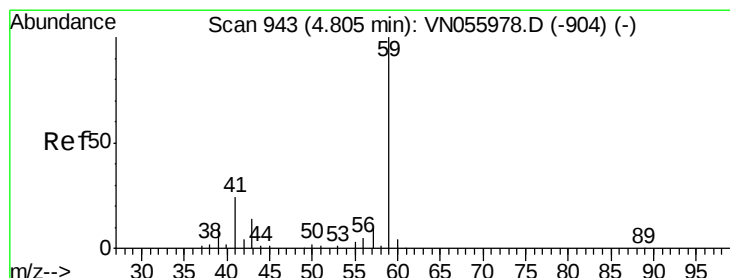
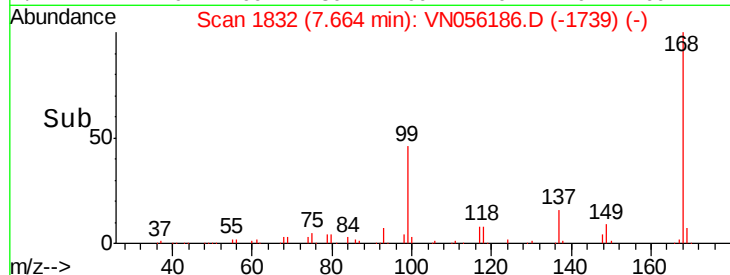
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.246 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.09 min

Lab File: VN056186.D

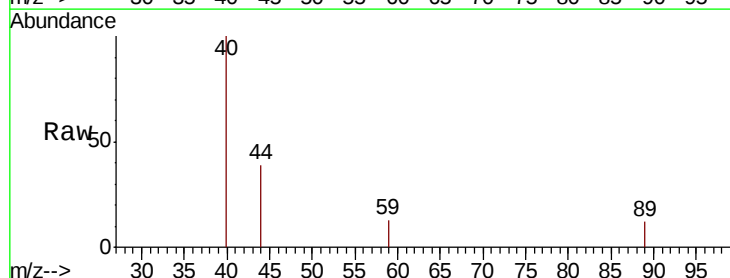
Acq: 10 Jun 2019 23:19

Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

200

150

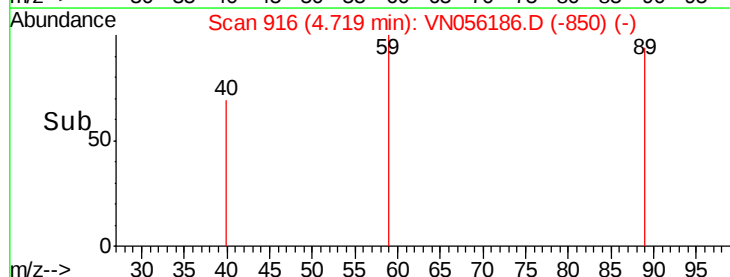
100

50

0

Time-->

4.71 4.72 4.73





#16

Acetone

Concen: 3.137 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :

MSVOA_N

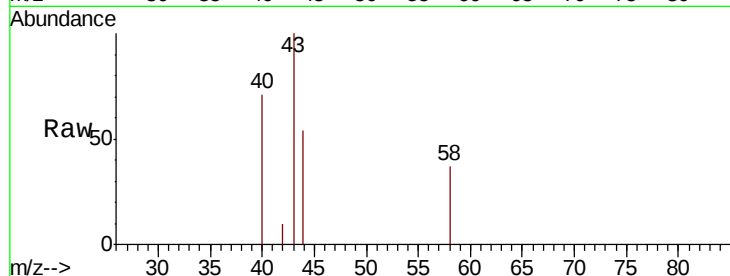
ClientSampled :

Tot Ion: 43 Resp: 4408

Ion Ratio Lower Upper

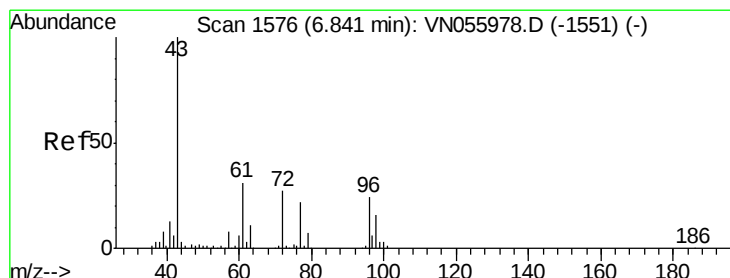
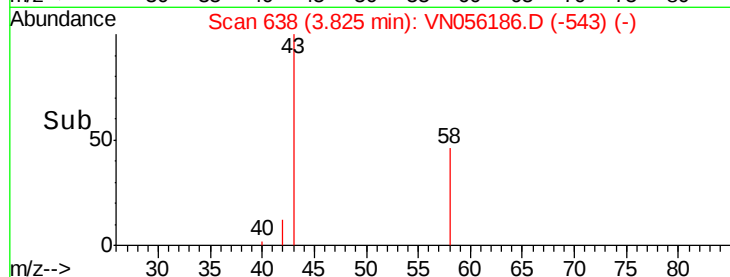
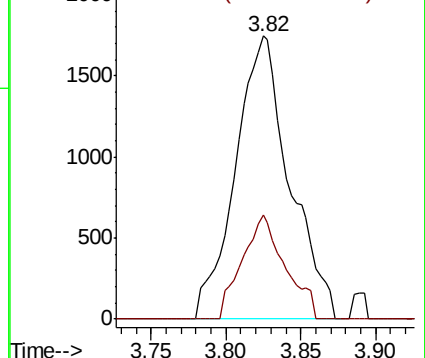
43 100

58 36.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)



#25

2-Butanone

Concen: 0.243 ug/l

RT: 6.87 min Scan# 1584

Delta R.T. 0.03 min

Lab File: VN056186.D

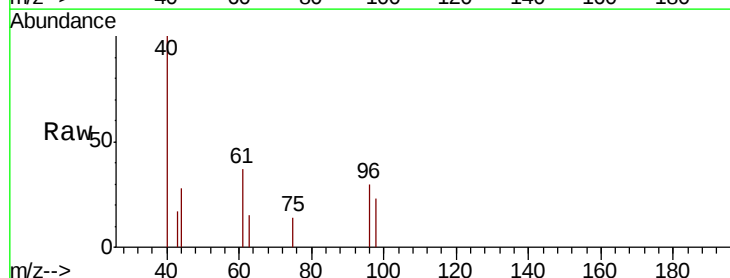
Acq: 10 Jun 2019 23:19

Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

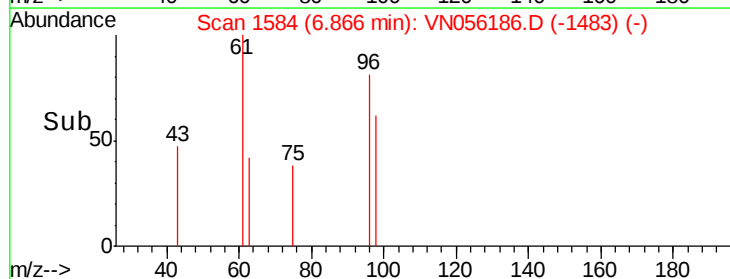
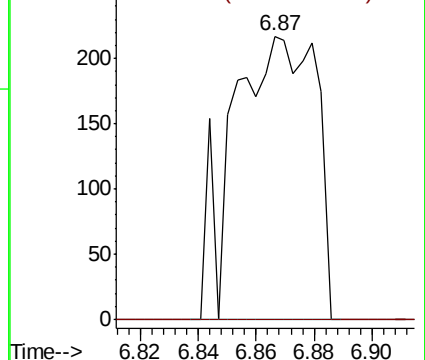
43 100

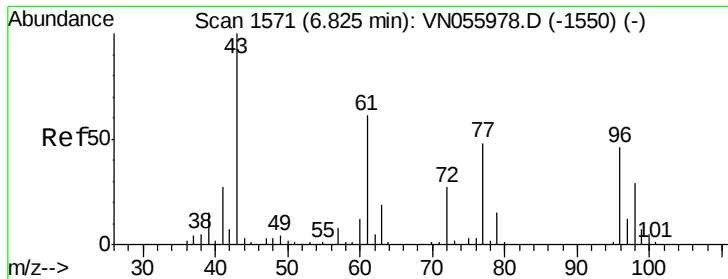
72 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN055978.D (-1551) (-)





#27

cis-1,2-Dichloroethene

Concen: 2.105 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :
MSVOA_N
ClientSampleId :

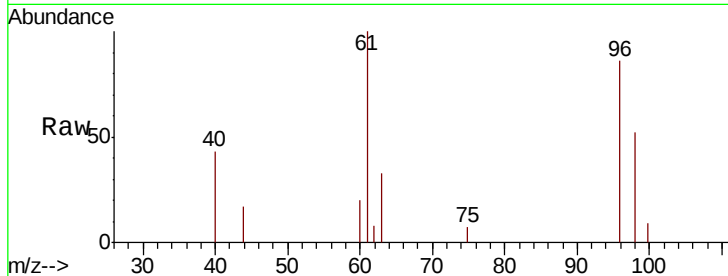
Tot Ion: 96 Resp: 6585

Ion Ratio Lower Upper

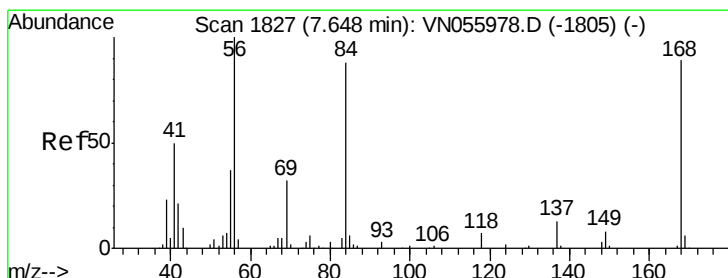
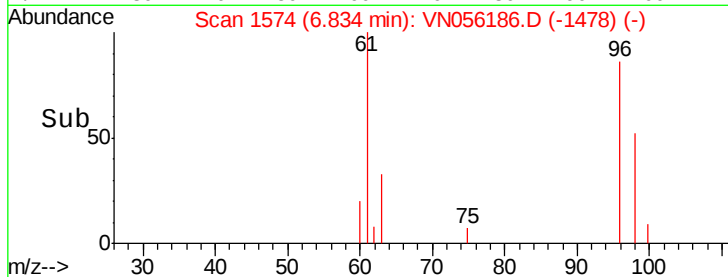
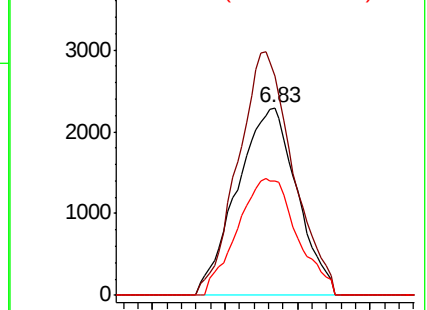
96 100

61 118.9 0.0 275.8

98 62.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

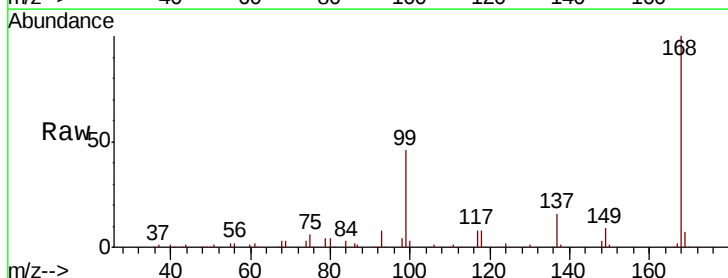
Tgt Ion: 56 Resp: 5892

Ion Ratio Lower Upper

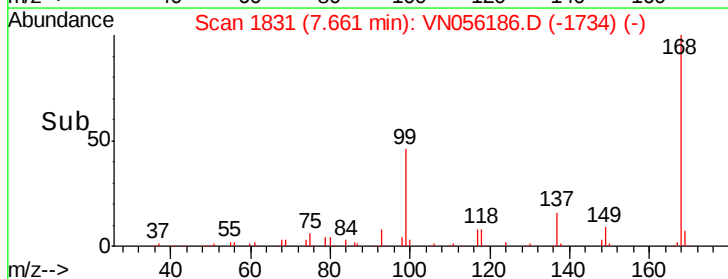
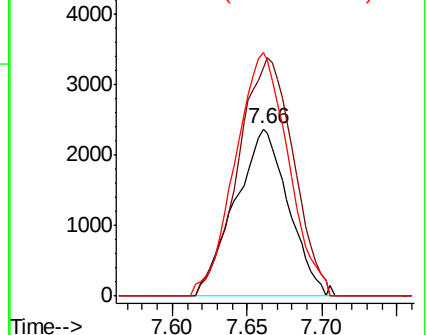
56 100

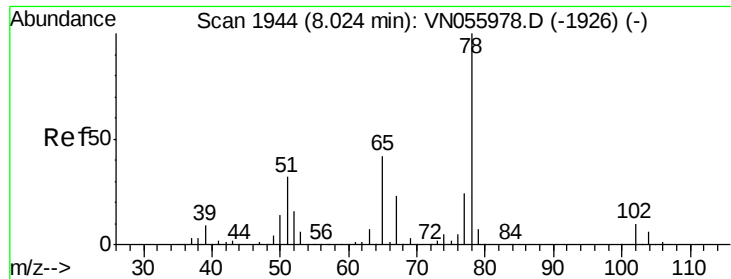
69 136.5 25.6 38.4#

84 145.7 67.4 101.0#



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

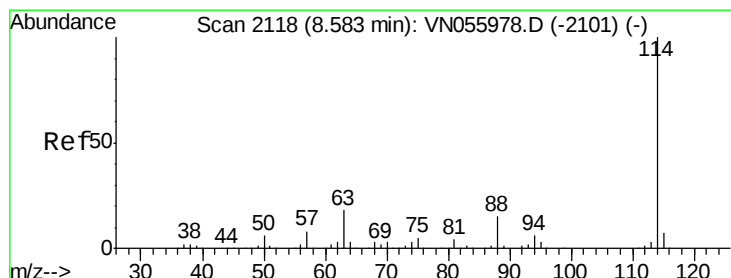
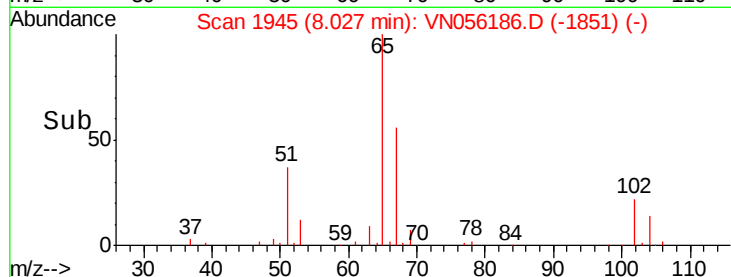
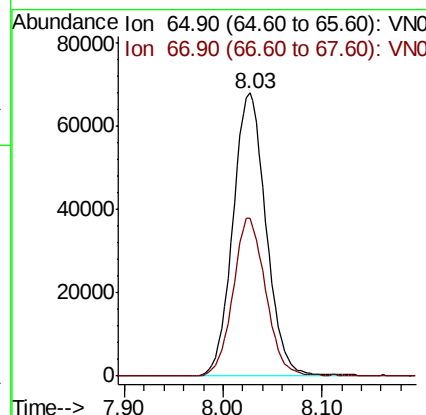
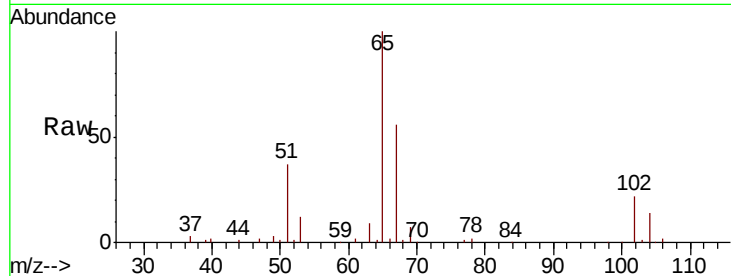




#33
 1,2-Dichloroethane-d4
 Concen: 54.299 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056186.D
 Acq: 10 Jun 2019 23:19

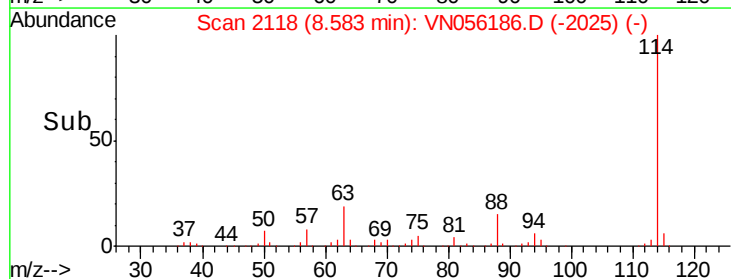
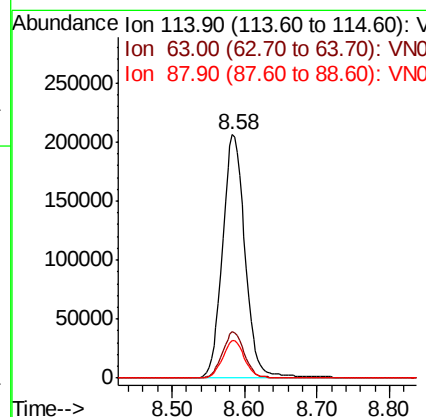
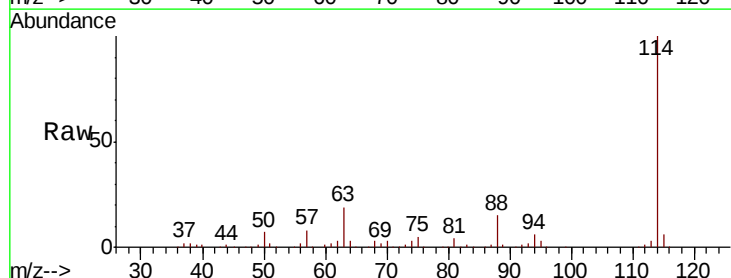
Instrument :
 MSVOA_N
 ClientSampled :

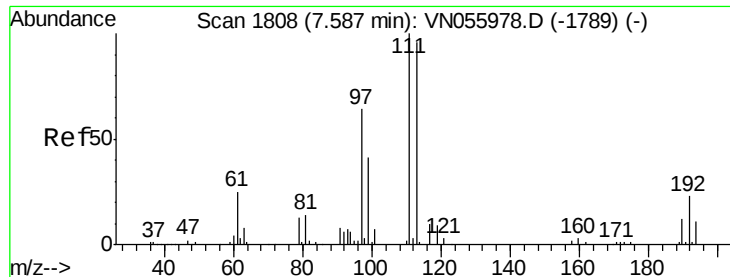
Tot Ion: 65 Resp: 159519
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056186.D
 Acq: 10 Jun 2019 23:19

Tgt Ion: 114 Resp: 445325
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 53.842 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :
MSVOA_N
ClientSampleId :

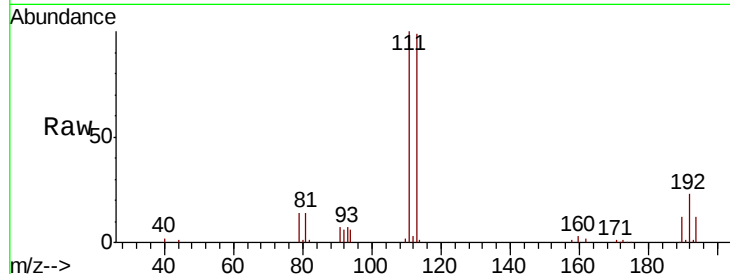
Tot Ion:113 Resp: 147109

Ion Ratio Lower Upper

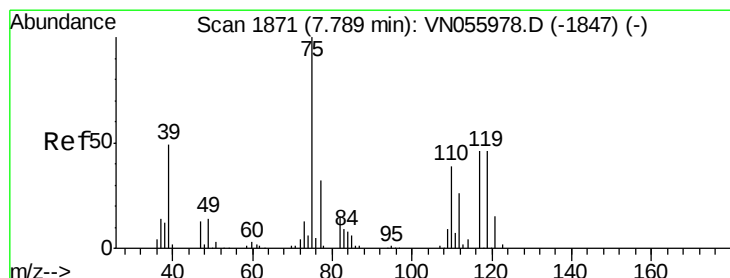
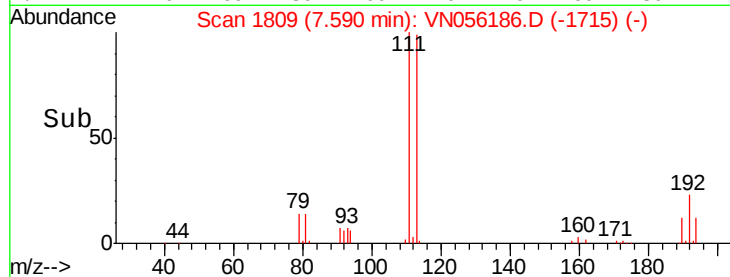
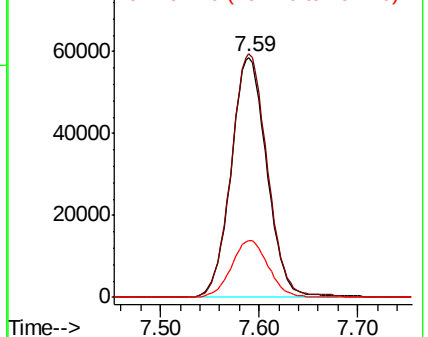
113 100

111 102.7 81.9 122.9

192 24.3 19.5 29.3



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: 4.380 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

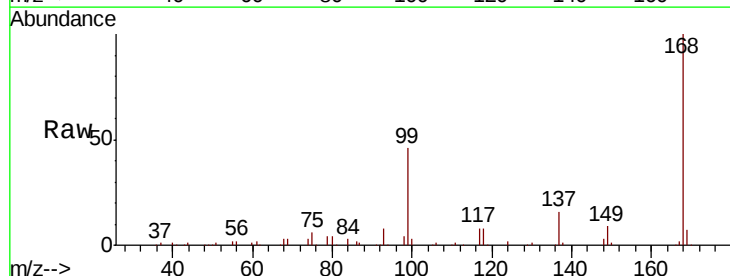
Tgt Ion: 75 Resp: 16770

Ion Ratio Lower Upper

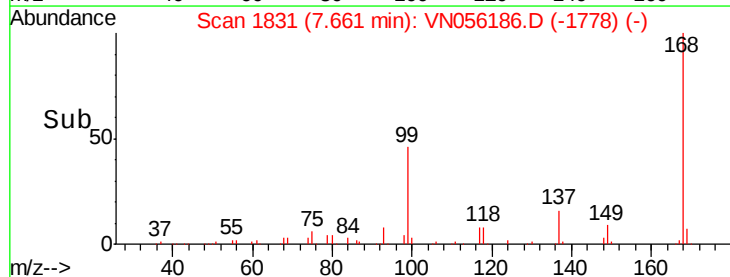
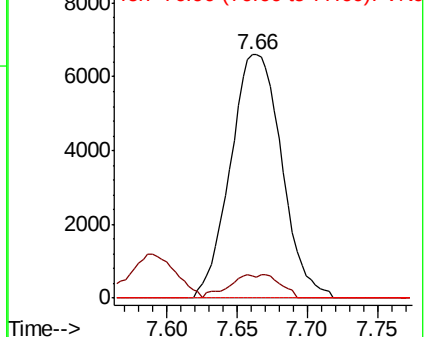
75 100

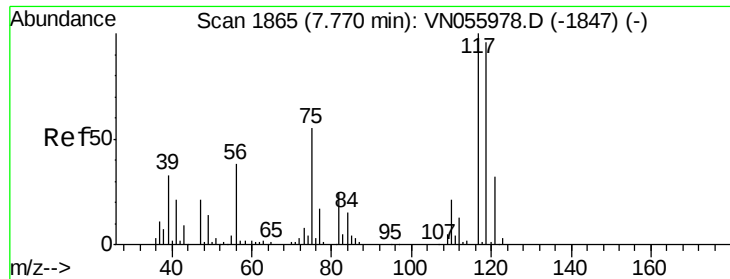
110 5.3 19.0 57.0#

77 0.0 25.1 37.7#



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





#38

Carbon Tetrachloride

Concen: 6.739 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :

MSVOA_N

ClientSampled :

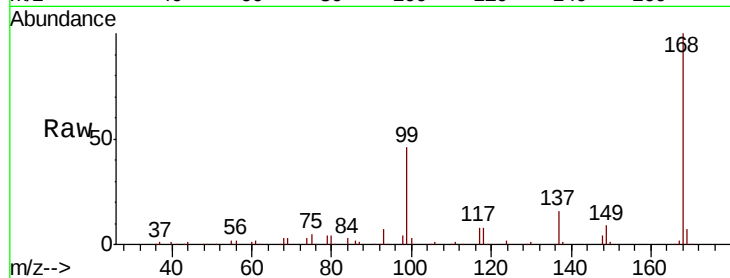
Tot Ion:117 Resp: 23791

Ion Ratio Lower Upper

117 100

119 4.4 79.0 118.6#

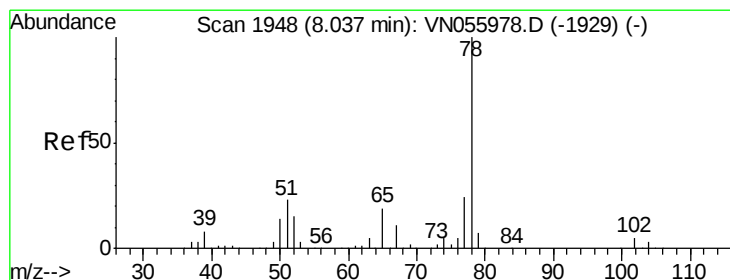
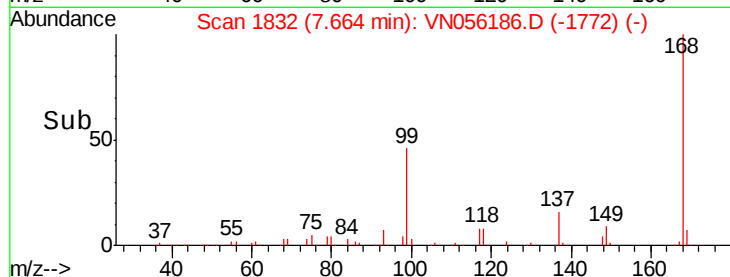
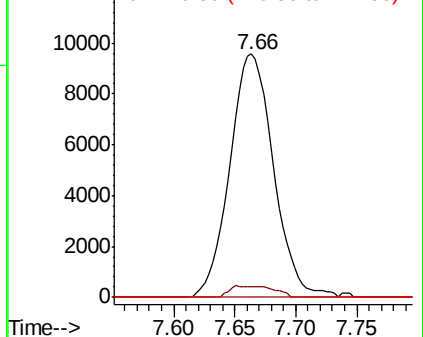
121 0.0 24.7 37.1#



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: 0.396 ug/l

RT: 8.03 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN056186.D

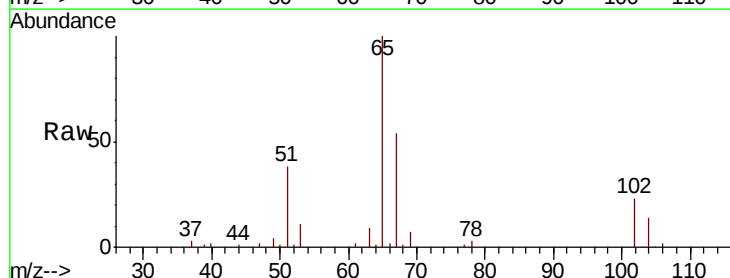
Acq: 10 Jun 2019 23:19

Tgt Ion: 78 Resp: 4602

Ion Ratio Lower Upper

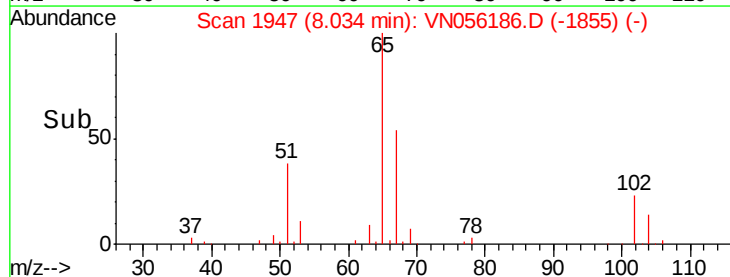
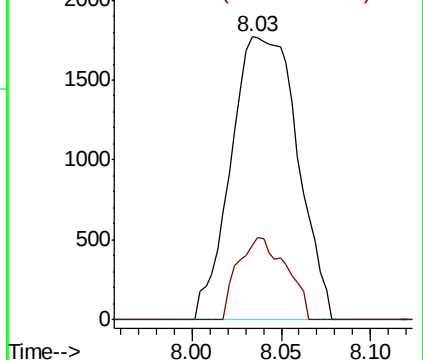
78 100

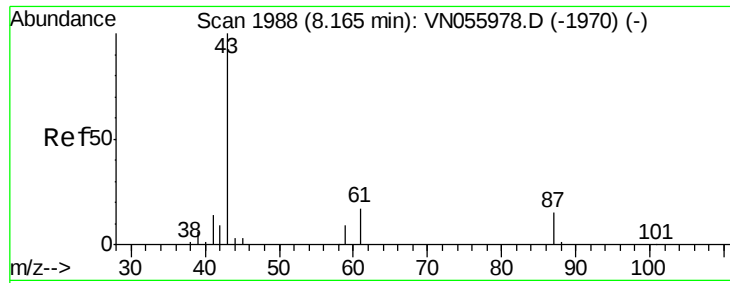
77 26.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 0.249 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :

MSVOA_N

ClientSampled :

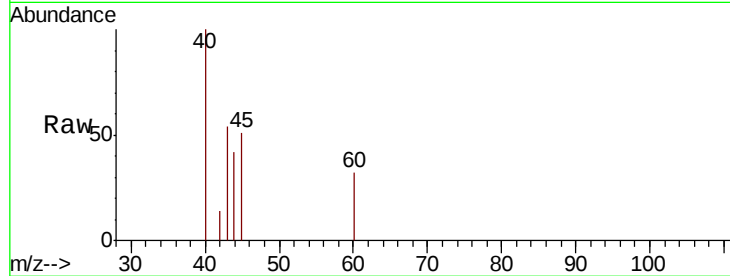
Tot Ion: 43 Resp: 1374

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

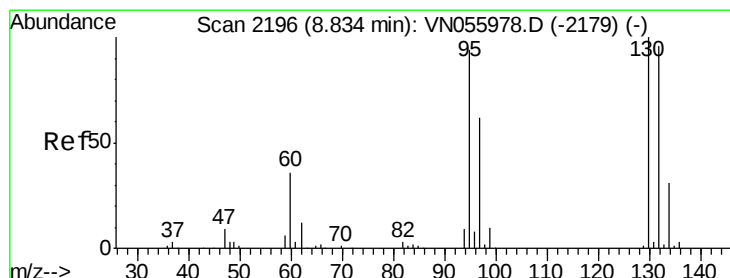
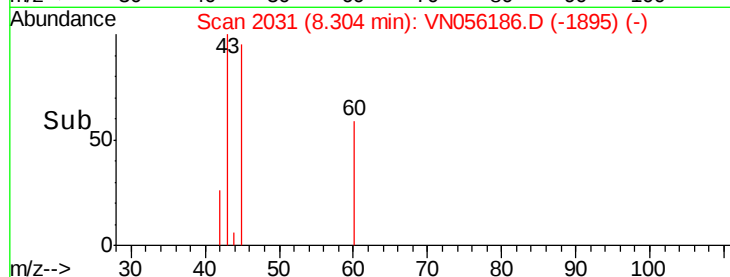
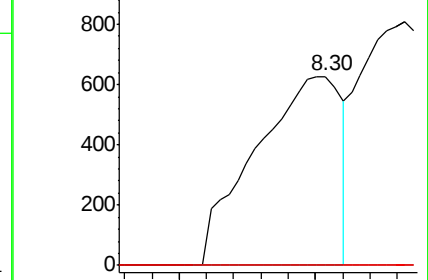
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 8.976 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056186.D

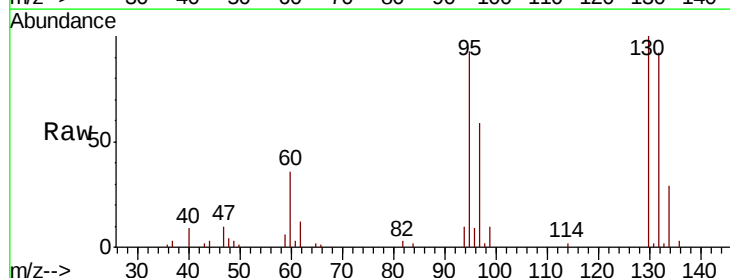
Acq: 10 Jun 2019 23:19

Tgt Ion:130 Resp: 29996

Ion Ratio Lower Upper

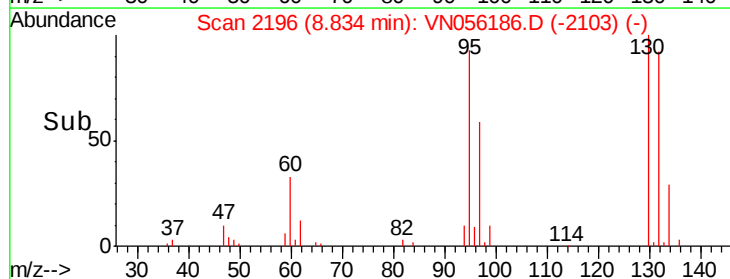
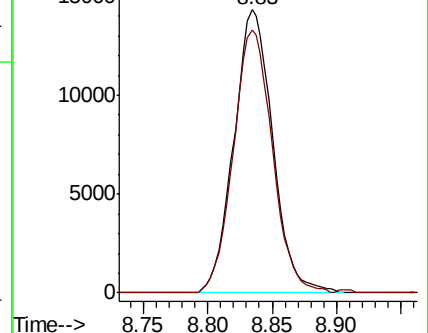
130 100

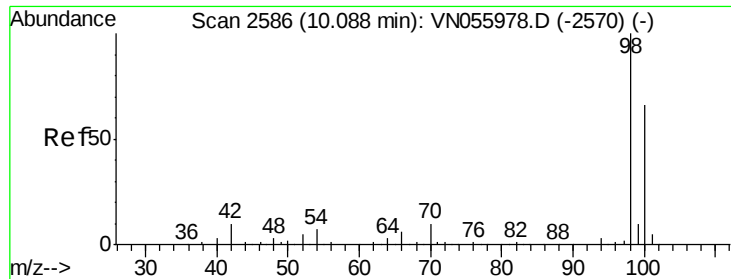
95 92.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#50

Toluene-d8

Concen: 54.893 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :

MSVOA_N

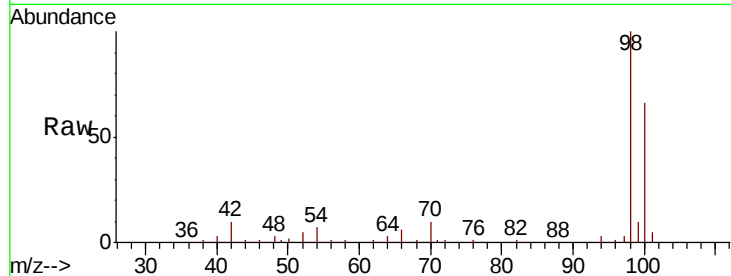
ClientSampleId :

Tot Ion: 98 Resp: 577119

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

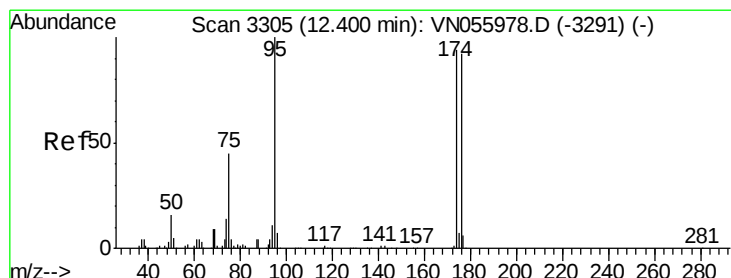
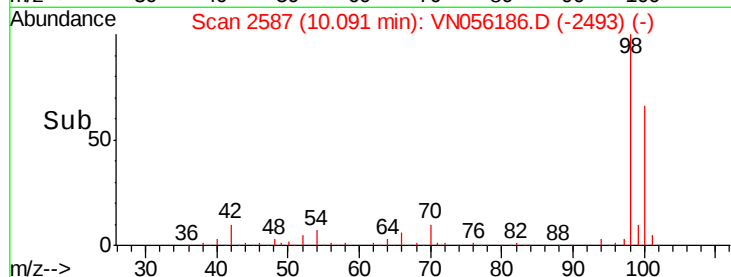
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.448 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

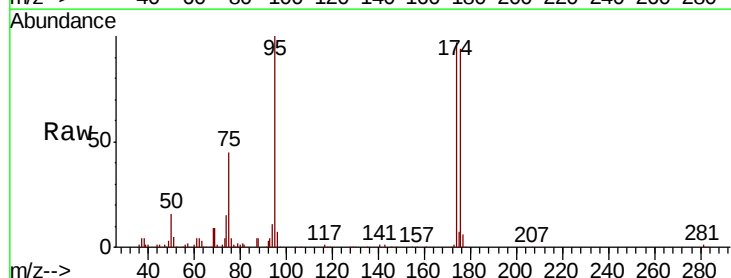
Tgt Ion: 95 Resp: 176798

Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.0

176 94.8 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

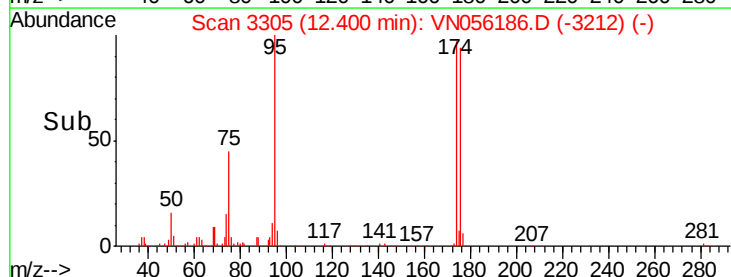
12.40

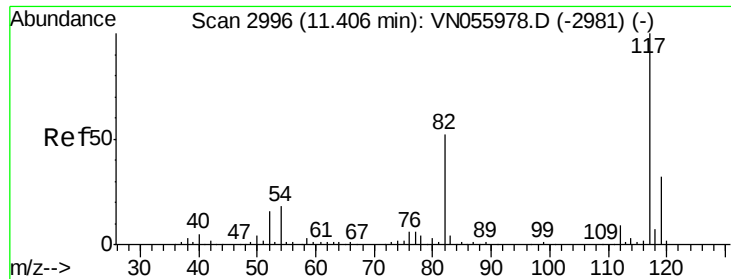
100000

50000

0

Time-->

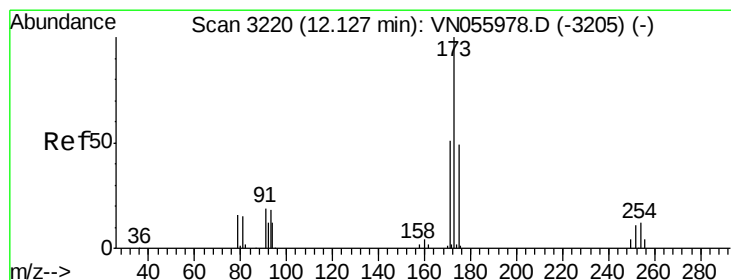
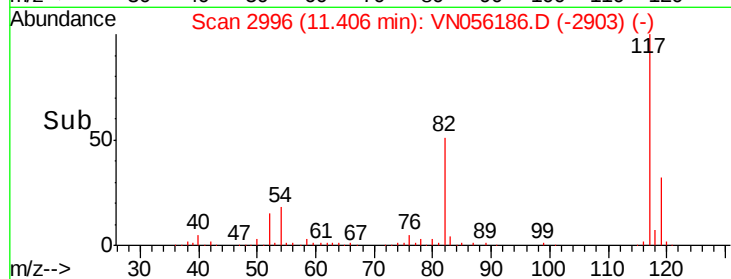
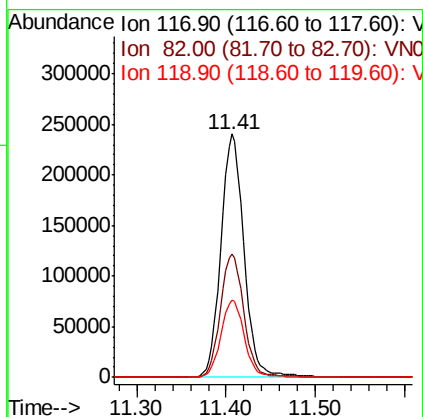
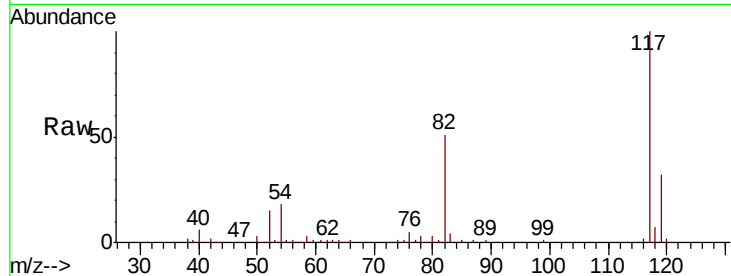




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056186.D
Acq: 10 Jun 2019 23:19

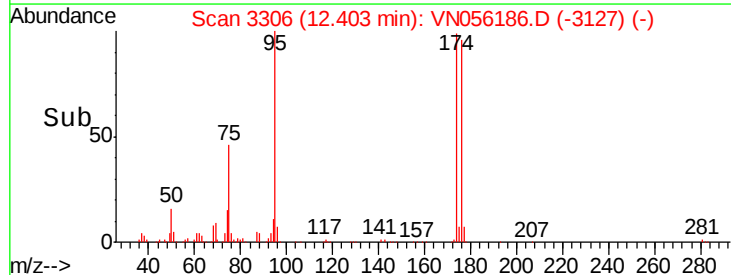
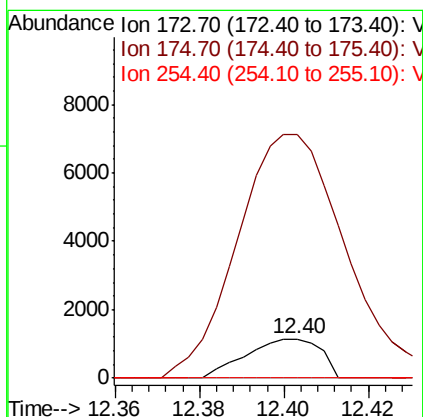
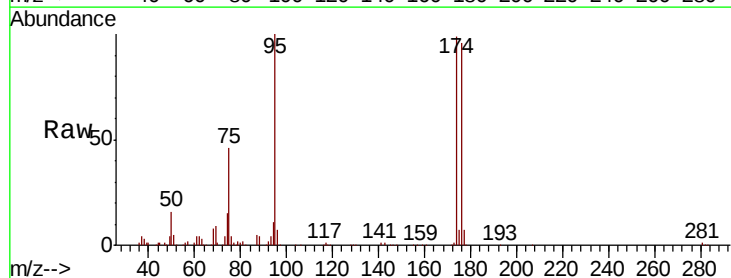
Instrument :
MSVOA_N
ClientSampleId :

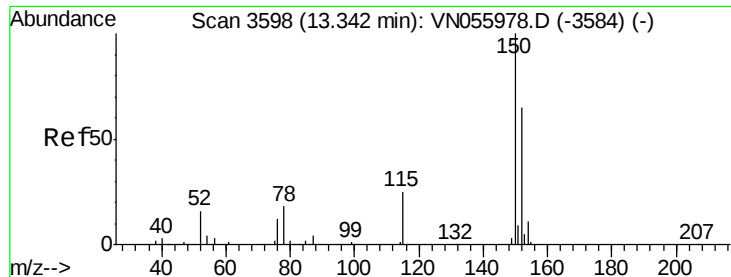
Tot Ion:117 Resp: 431744
Ion Ratio Lower Upper
117 100
82 50.8 41.8 62.8
119 31.9 25.4 38.0



#71
Bromoform
Concen: 3.278 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056186.D
Acq: 10 Jun 2019 23:19

Tgt Ion:173 Resp: 1413
Ion Ratio Lower Upper
173 100
175 761.6 24.3 72.8#
254 0.0 0.0 0.0



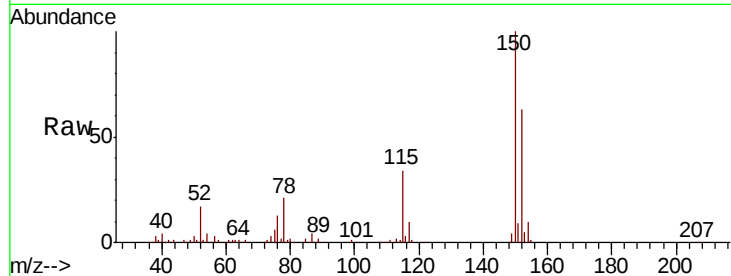


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056186.D
Acq: 10 Jun 2019 23:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.0	81.0
150	158.6	0.0	343.2

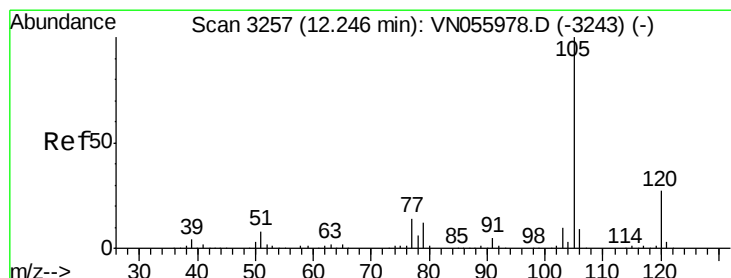
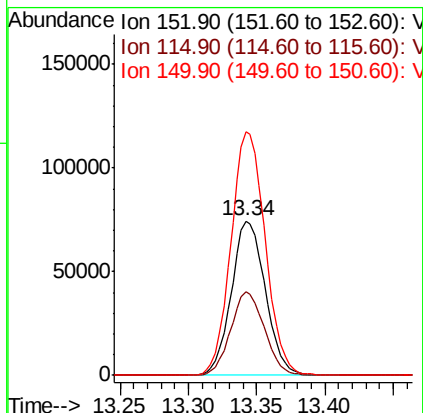
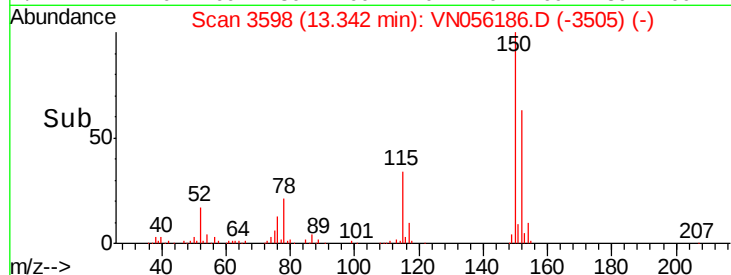


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

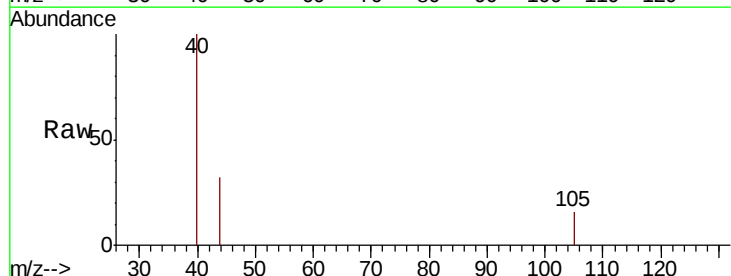
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056186.D
Acq: 10 Jun 2019 23:19

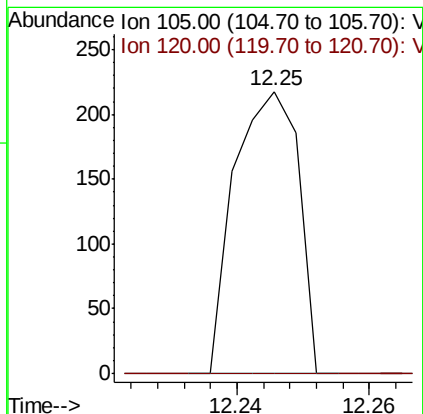
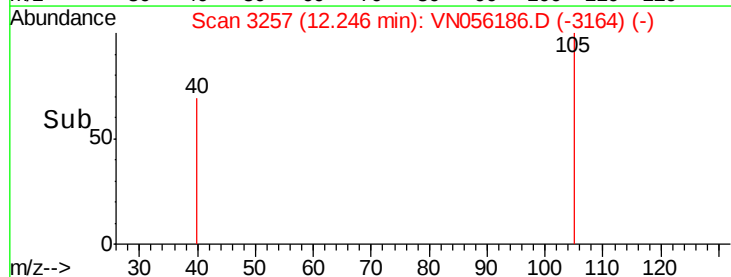
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.6	40.7#

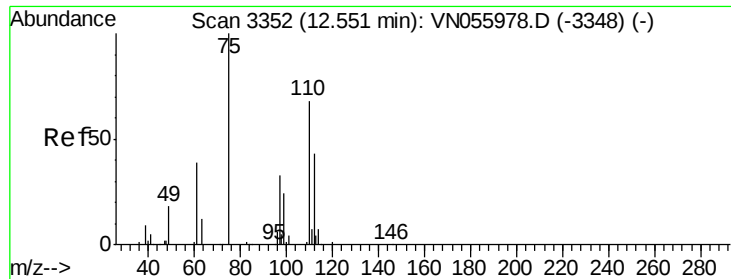


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 33.843 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :

MSVOA_N

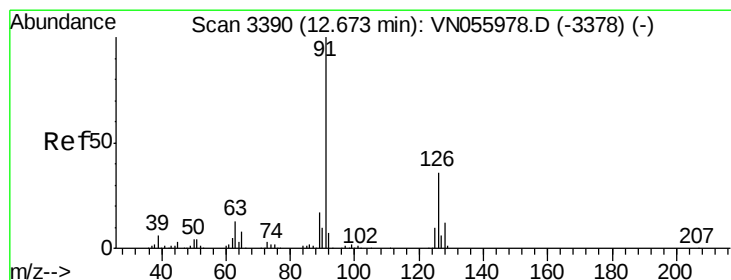
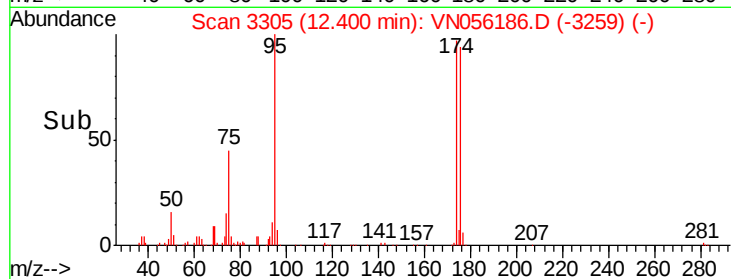
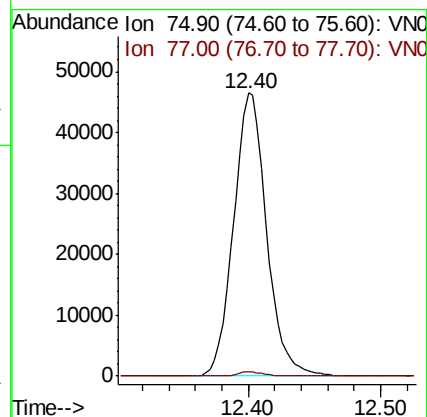
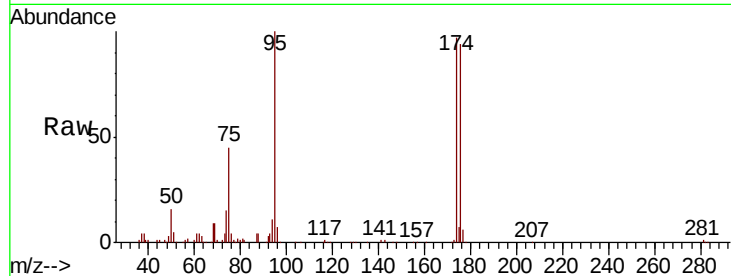
ClientSampled :

Tot Ion: 75 Resp: 80248

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056186.D

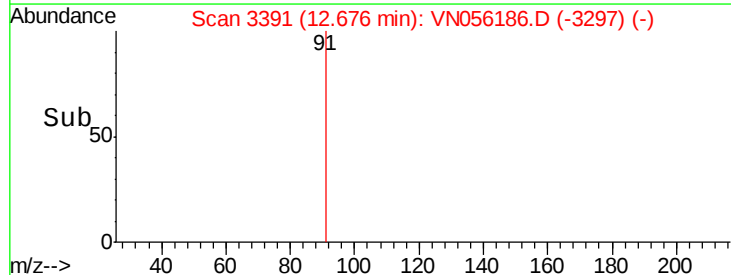
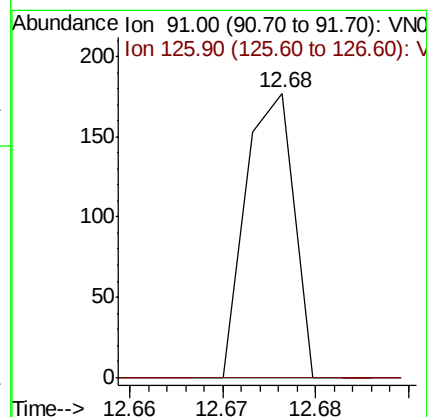
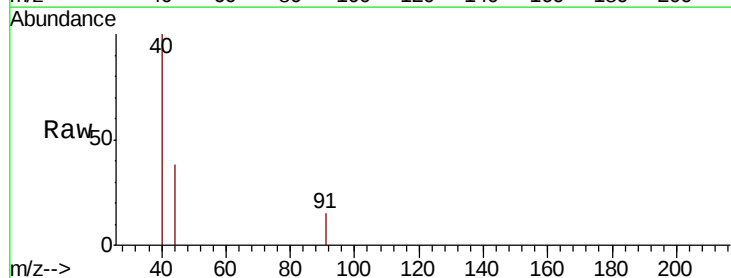
Acq: 10 Jun 2019 23:19

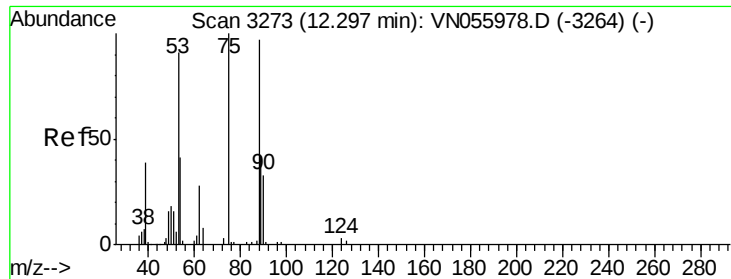
Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#

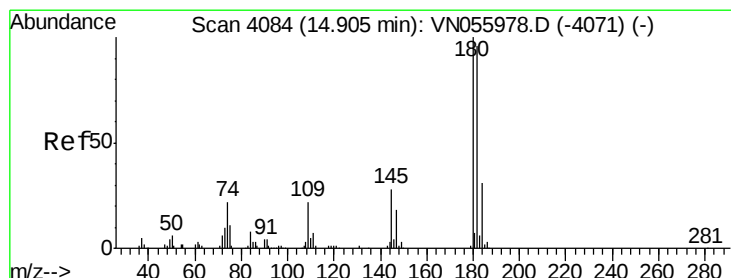
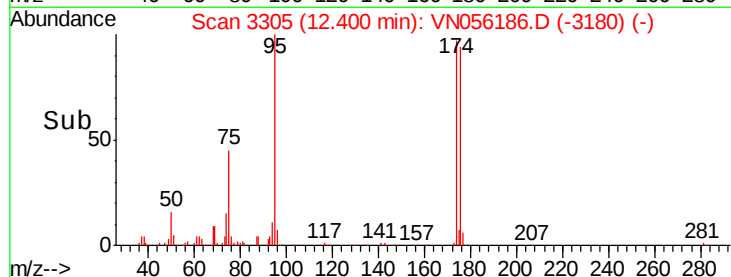
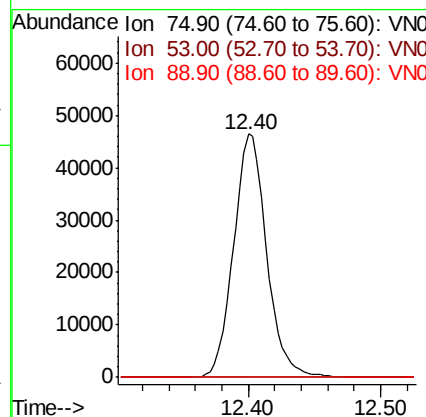
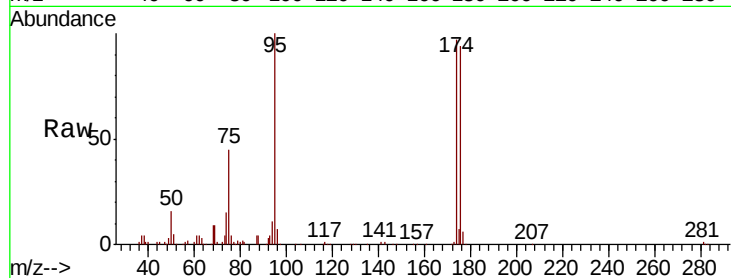




#81
trans-1,4-Dichloro-2-butene
Concen: 112.702 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056186.D
Acq: 10 Jun 2019 23:19

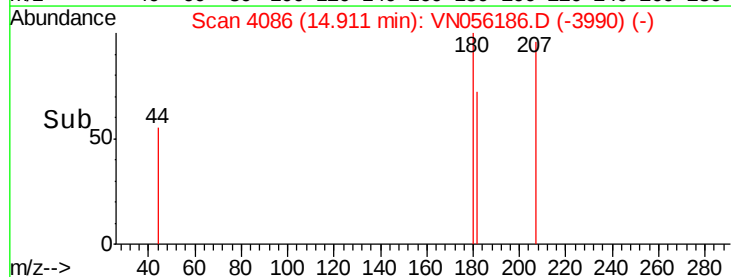
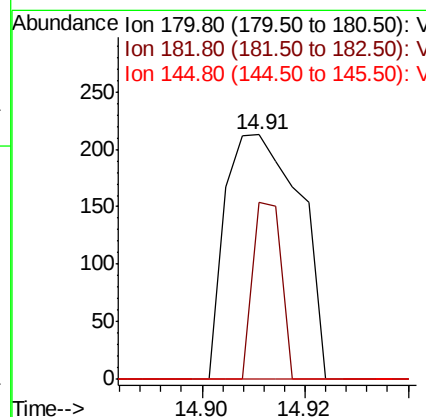
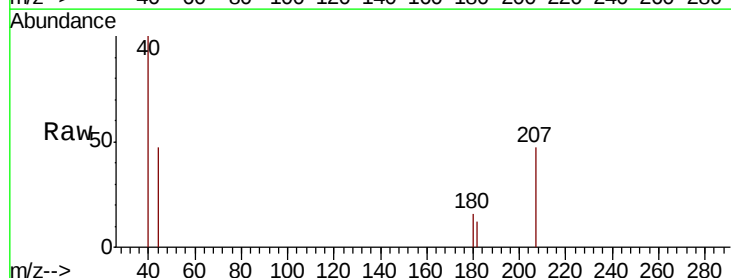
Instrument :
MSVOA_N
ClientSampleId :

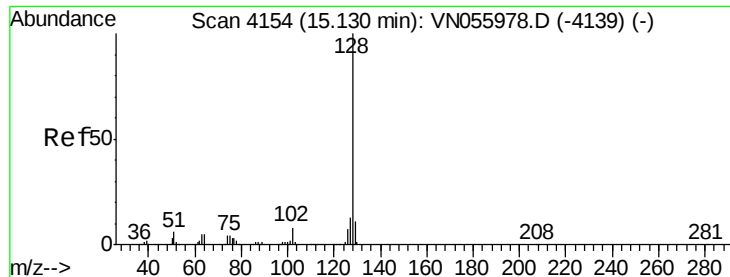
Tot Ion: 75 Resp: 80248
Ion Ratio Lower Upper
75 100
53 0.0 68.1 102.1#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 4.352 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.01 min
Lab File: VN056186.D
Acq: 10 Jun 2019 23:19

Tgt Ion: 180 Resp: 213
Ion Ratio Lower Upper
180 100
182 27.7 48.3 144.9#
145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 3.967 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

Instrument :

MSVOA_N

ClientSampleId :

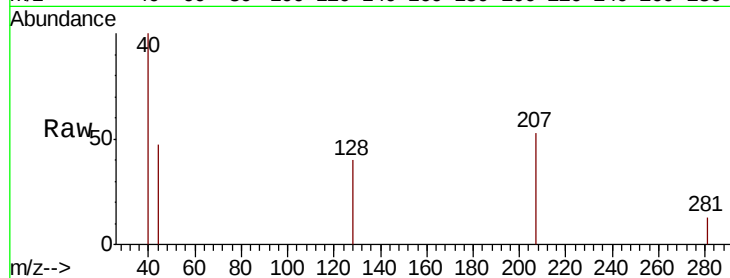
Tot Ion:128 Resp: 775

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

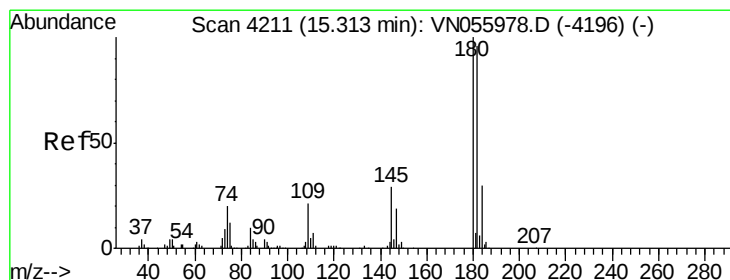
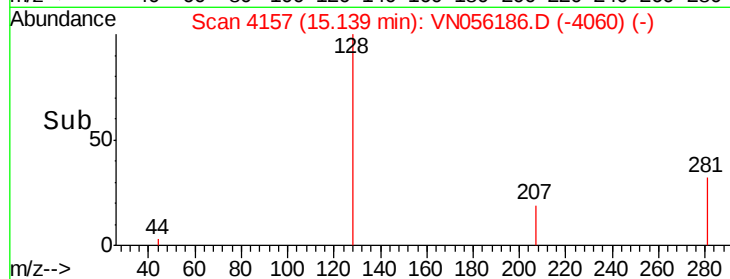
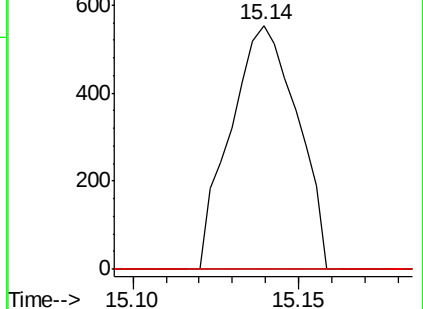
129 0.0 8.7 13.1#



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: 3.147 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056186.D

Acq: 10 Jun 2019 23:19

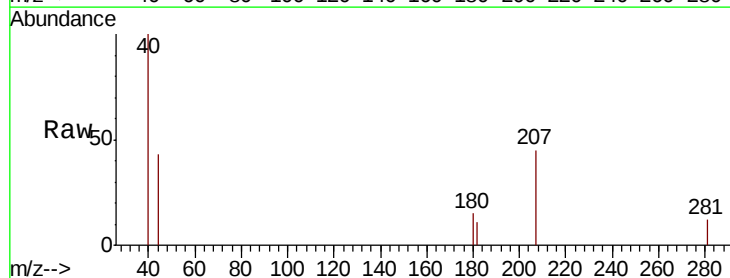
Tgt Ion:180 Resp: 299

Ion Ratio Lower Upper

180 100

182 77.9 47.9 143.7

145 0.0 14.9 44.7#



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

