

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054219.D
 Acq On : 13 Mar 2019 18:18
 Operator : JC/SP
 Sample : K1842-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:19:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1375228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2229193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2408832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1093265	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	731622	50.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.18%	
35) Dibromofluoromethane	7.59	113	681938	47.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.86%	
50) Toluene-d8	10.09	98	2824389	53.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.40	95	1118524	60.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.40%	

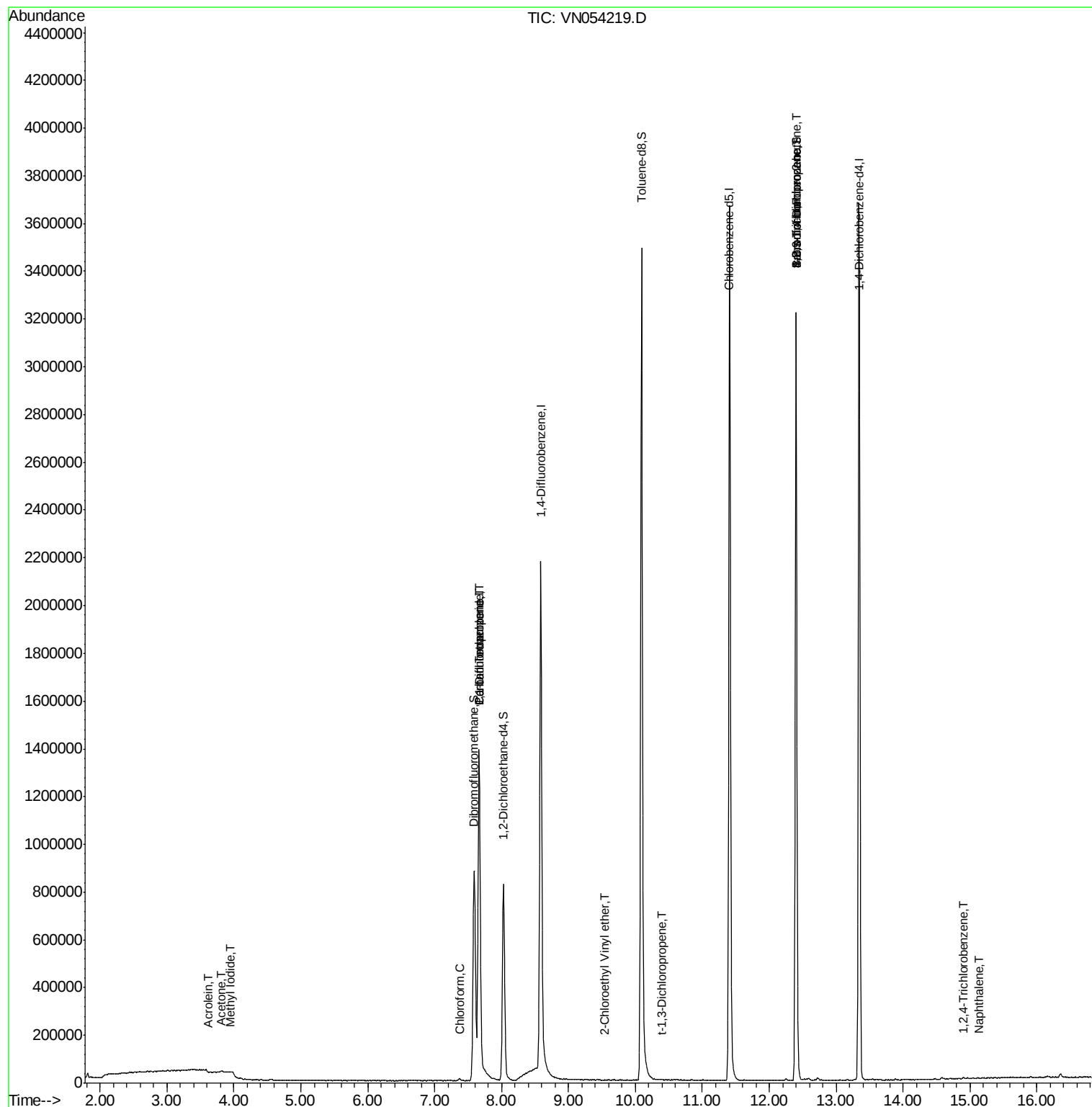
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	63	1.500	ug/l #	17
13) Acrolein	3.62	56	881	0.929	ug/l #	46
16) Acetone	3.82	43	7663	1.832	ug/l	93
30) Chloroform	7.37	83	9693	0.395	ug/l	85
31) Cyclohexane	7.66	56	22364	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	78288	3.814	ug/l #	48
38) Carbon Tetrachloride	7.66	117	109544	5.088	ug/l #	16
53) t-1,3-Dichloropropene	10.38	75	91	1.990	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.54	63	63	16.836	ug/l #	44
71) Bromoform	12.40	173	7394	2.832	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	539116	33.533	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	539116	114.632	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	795	2.549	ug/l	97
95) Naphthalene	15.14	128	1910	3.507	ug/l #	82

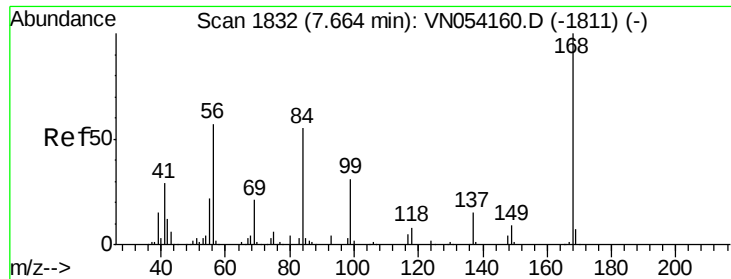
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

Instrument :

MSVOA_N

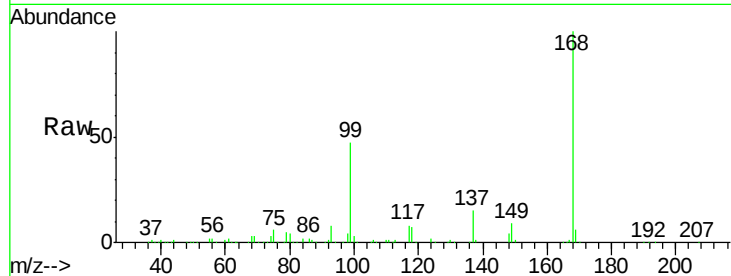
ClientSampleId :

Tot Ion:168 Resp: 1375228

Ion Ratio Lower Upper

168 100

99 47.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

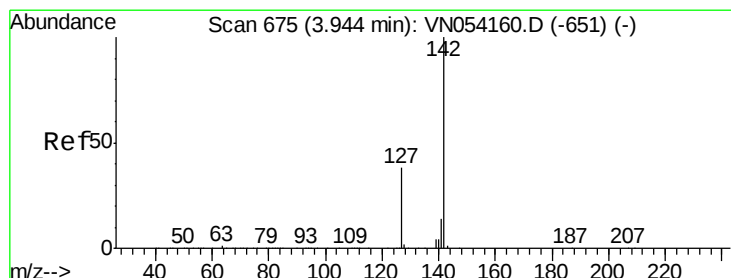
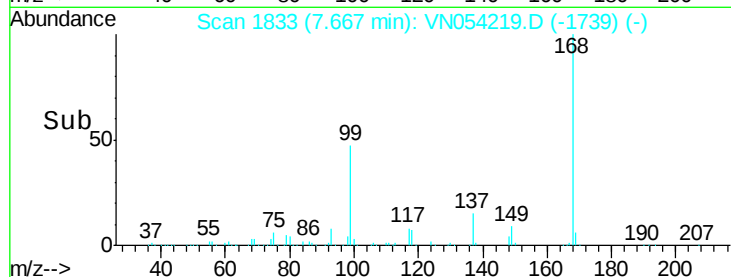
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.500 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

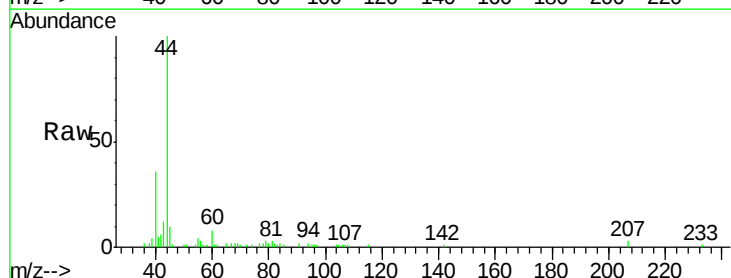
Tgt Ion:142 Resp: 63

Ion Ratio Lower Upper

142 100

127 98.4 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

200

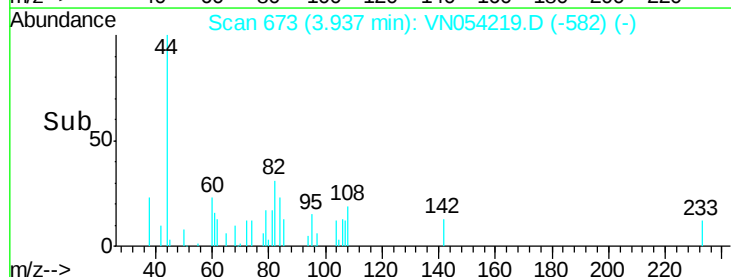
150

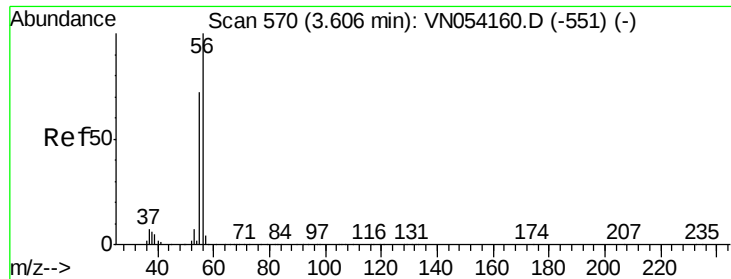
100

50

0

Time--> 3.93 3.94 3.94 3.94 3.95





#13

Acrolein

Concen: 0.929 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

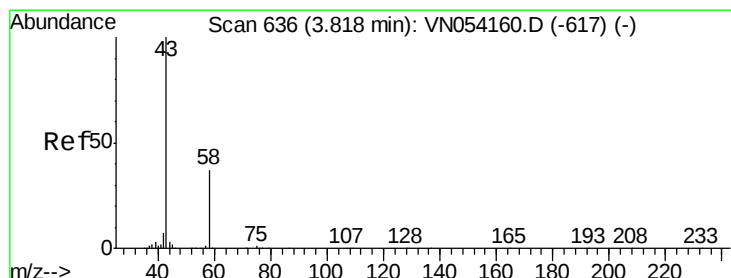
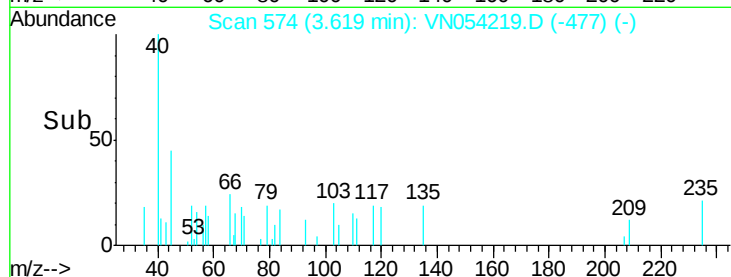
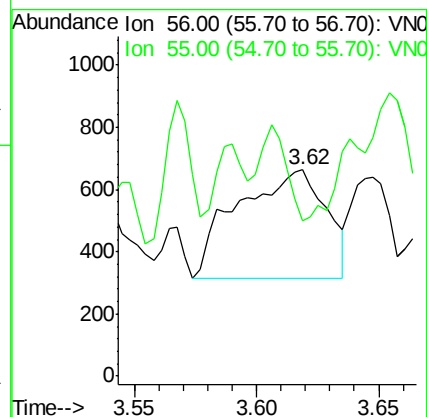
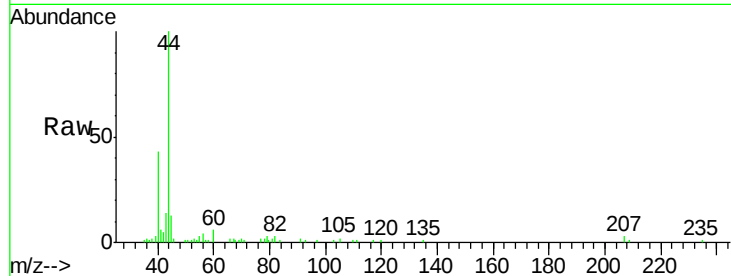
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 881

Ion Ratio Lower Upper

56 100

55 26.3 56.7 85.1#



#16

Acetone

Concen: 1.832 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054219.D

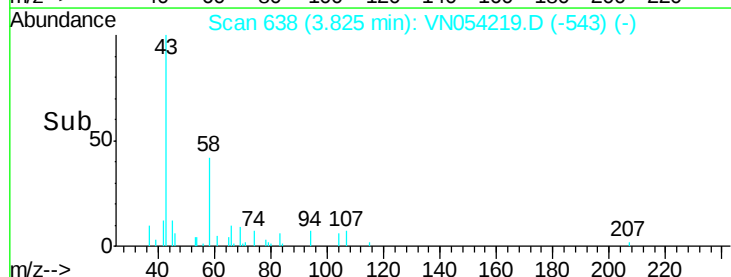
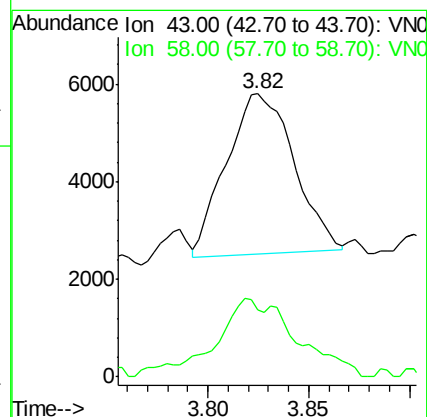
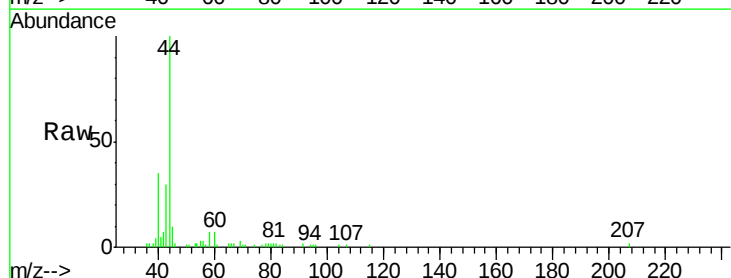
Acq: 13 Mar 2019 18:18

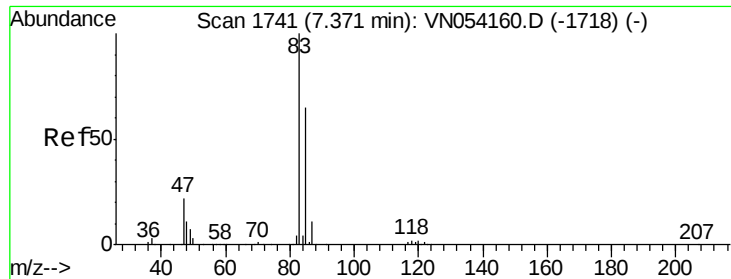
Tgt Ion: 43 Resp: 7663

Ion Ratio Lower Upper

43 100

58 33.1 29.9 44.9

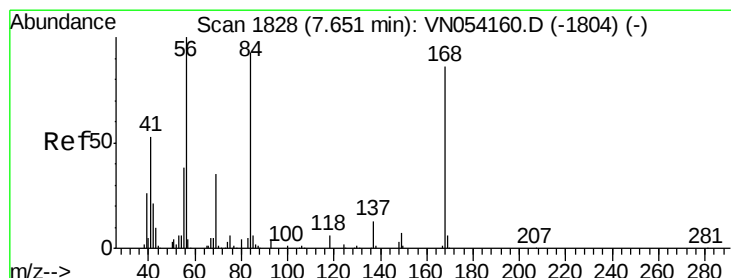
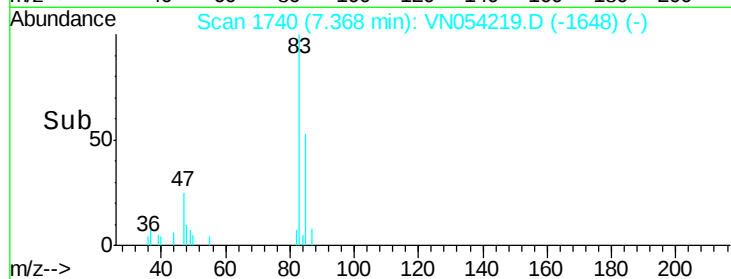
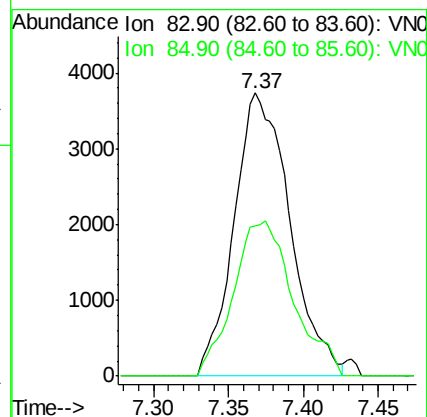
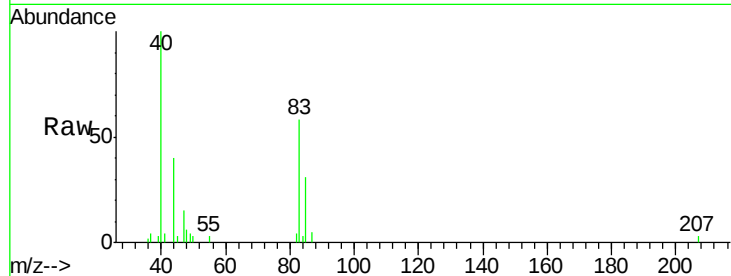




#30
Chloroform
Concen: 0.395 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054219.D
Acq: 13 Mar 2019 18:18

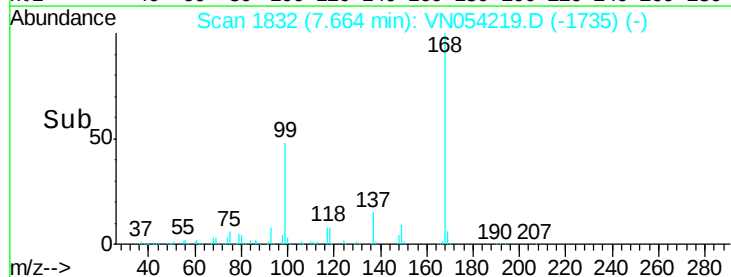
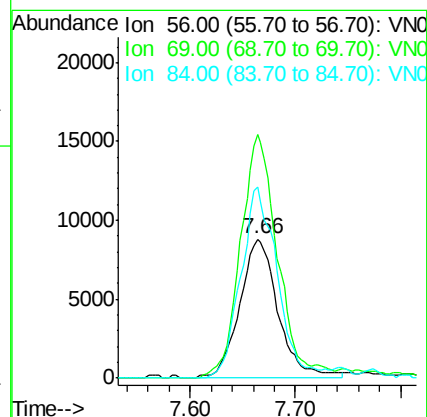
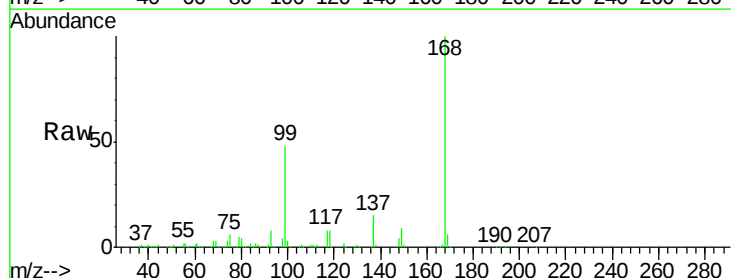
Instrument :
MSVOA_N
ClientSampleId :

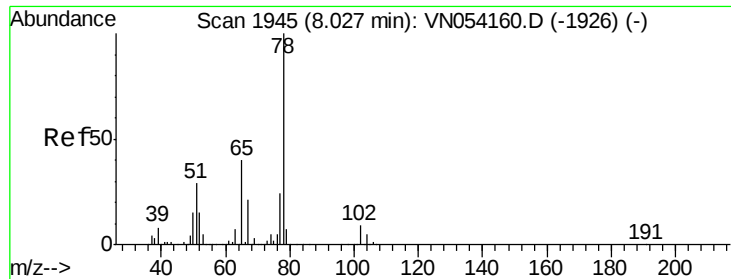
Tot Ion: 83 Resp: 9693
Ion Ratio Lower Upper
83 100
85 53.1 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054219.D
Acq: 13 Mar 2019 18:18

Tgt Ion: 56 Resp: 22364
Ion Ratio Lower Upper
56 100
69 175.0 27.8 41.6#
84 137.8 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 50.094 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

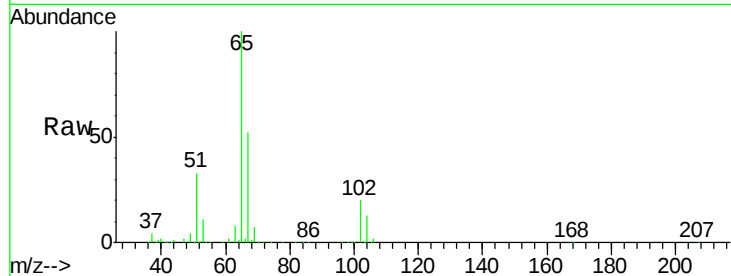
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 731622

Ion Ratio Lower Upper

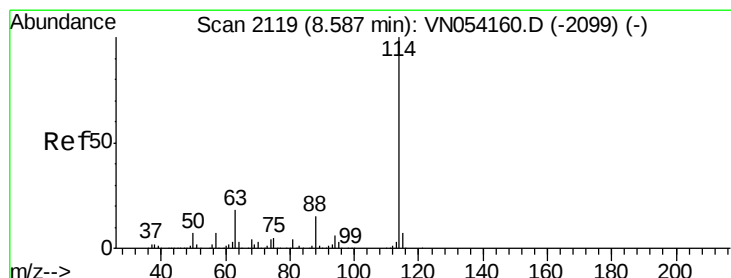
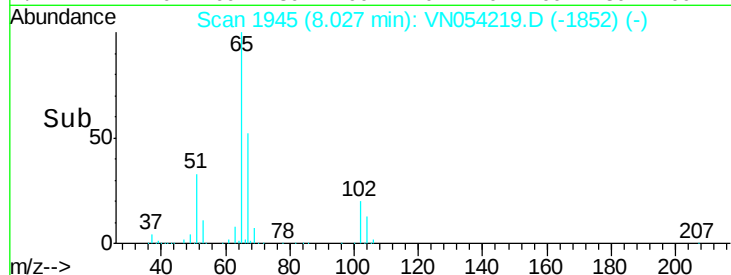
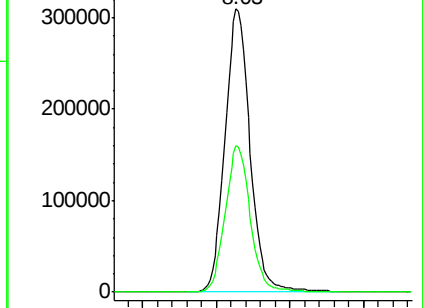
65 100

67 51.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054219.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054219.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

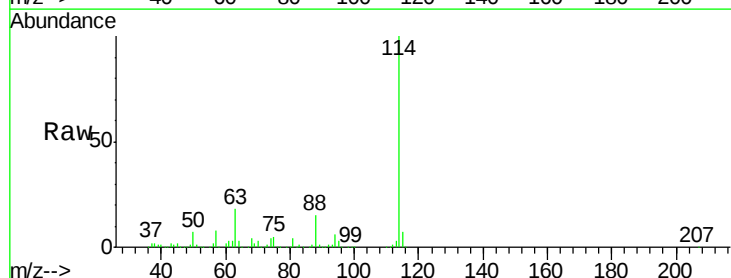
Tgt Ion: 114 Resp: 2229193

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

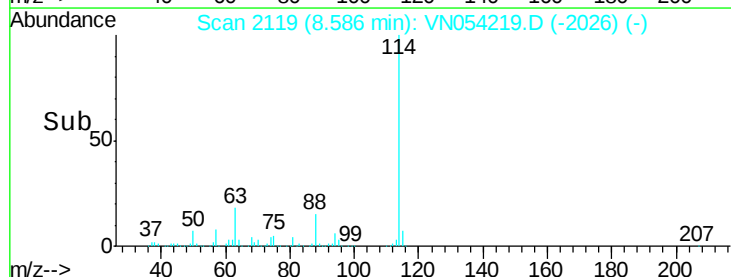
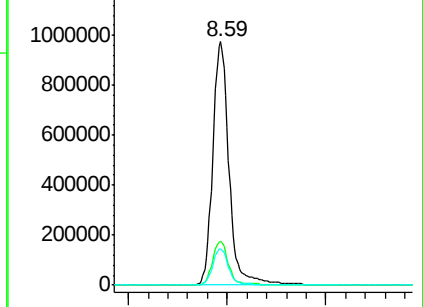
88 15.0 0.0 30.2

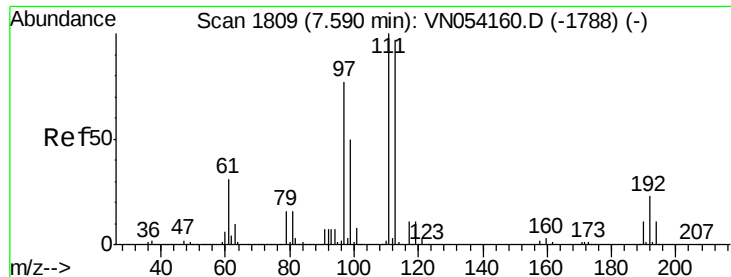


Abundance Ion 113.90 (113.60 to 114.60): VN054219.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054219.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054219.D (-2026) (-)

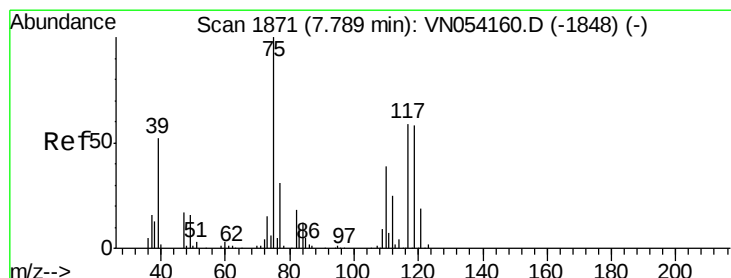
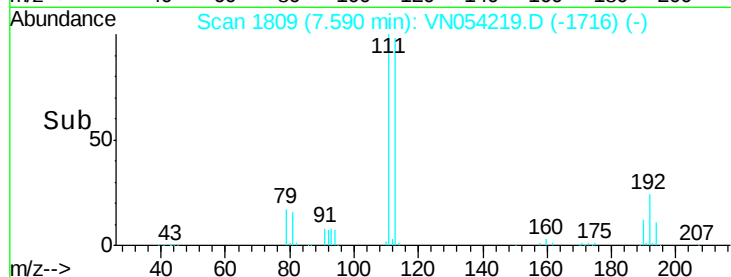
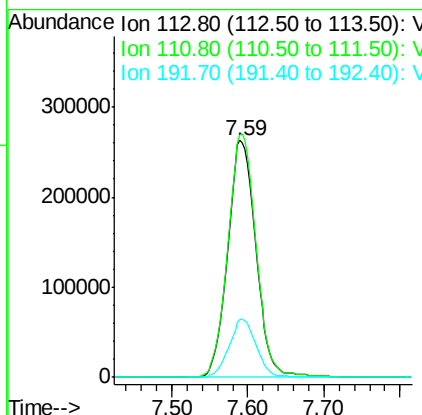
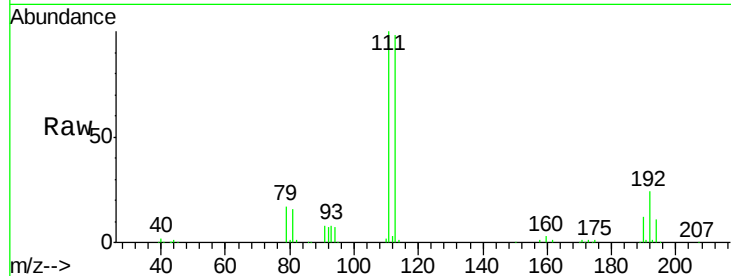




#35
 Dibromofluoromethane
 Concen: 47.431 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054219.D
 Acq: 13 Mar 2019 18:18

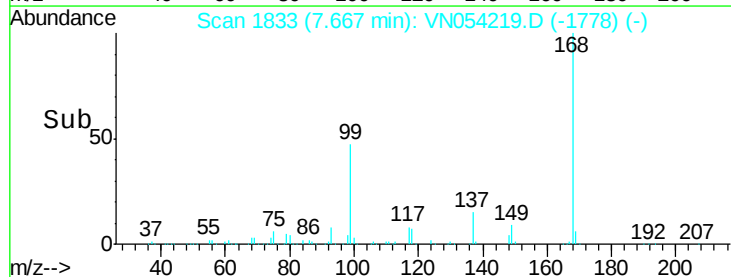
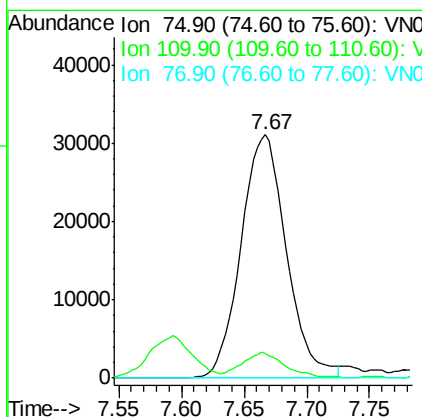
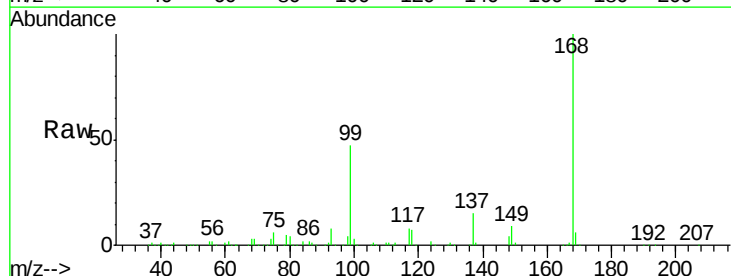
Instrument :
 MSVOA_N
 ClientSampled :

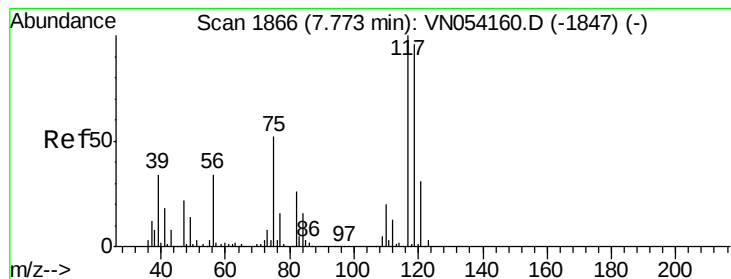
Tot Ion:113 Resp: 681938
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 23.7 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 3.814 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054219.D
 Acq: 13 Mar 2019 18:18

Tgt Ion: 75 Resp: 78288
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.088 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

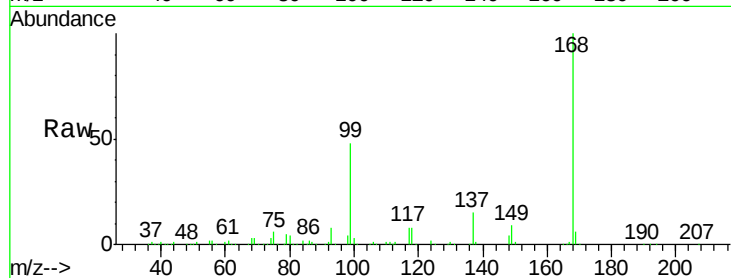
Tot Ion:117 Resp: 109544

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

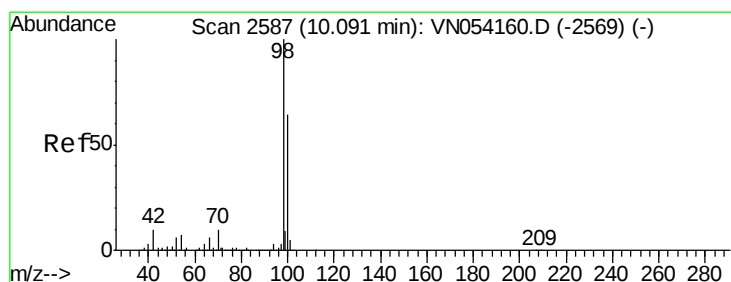
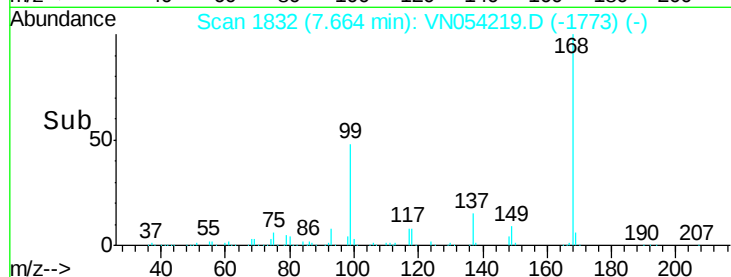
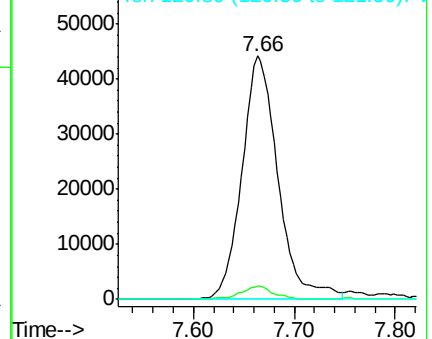
121 0.0 24.6 36.8#



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: 53.192 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054219.D

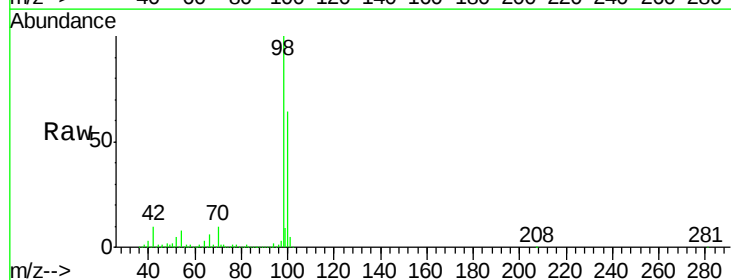
Acq: 13 Mar 2019 18:18

Tgt Ion: 98 Resp: 2824389

Ion Ratio Lower Upper

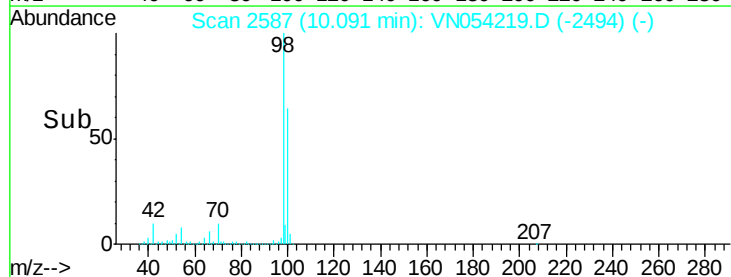
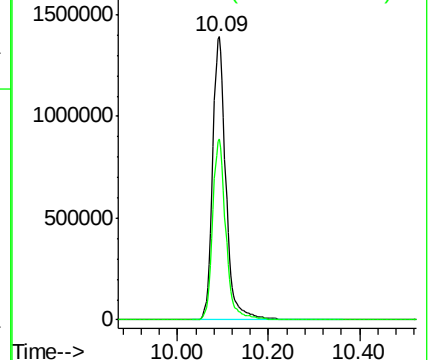
98 100

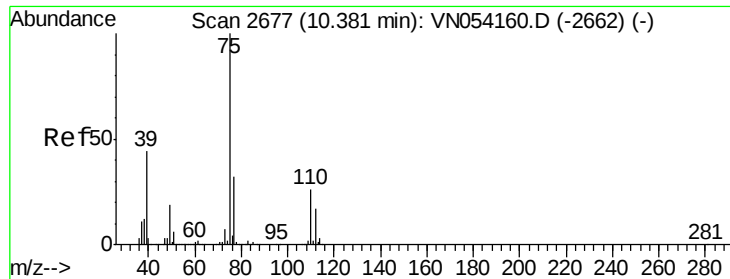
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 1.990 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

Instrument :

MSVOA_N

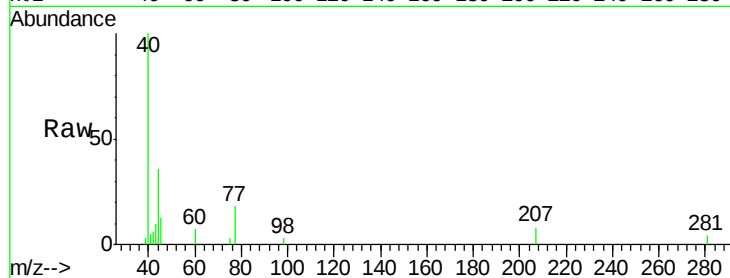
ClientSampled :

Tot Ion: 75 Resp: 91

Ion Ratio Lower Upper

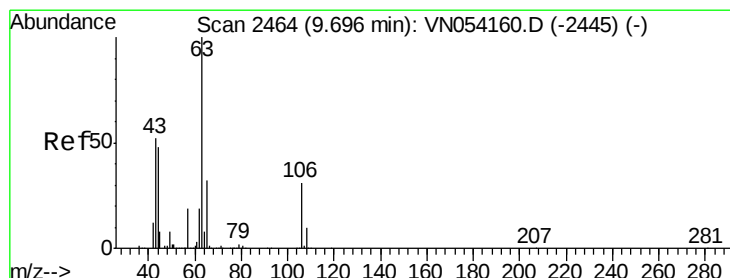
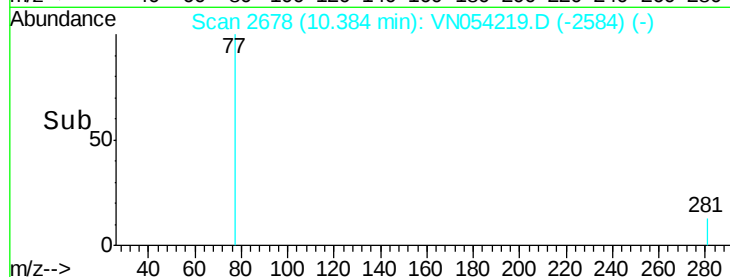
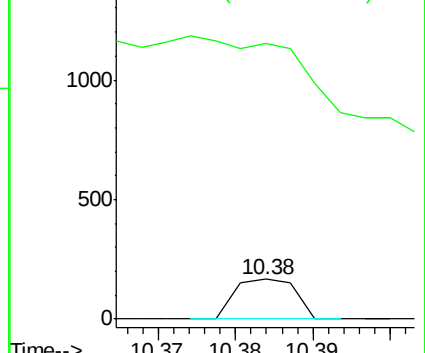
75 100

77 172.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 16.836 ug/l

RT: 9.54 min Scan# 2414

Delta R.T. -0.16 min

Lab File: VN054219.D

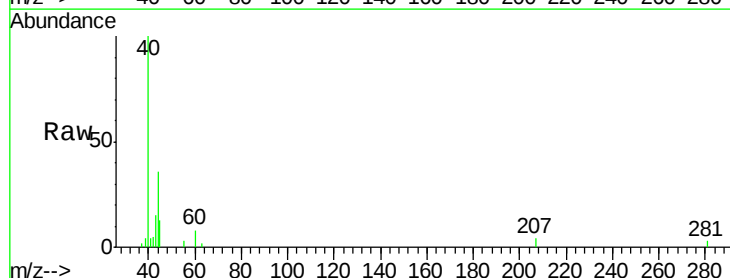
Acq: 13 Mar 2019 18:18

Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

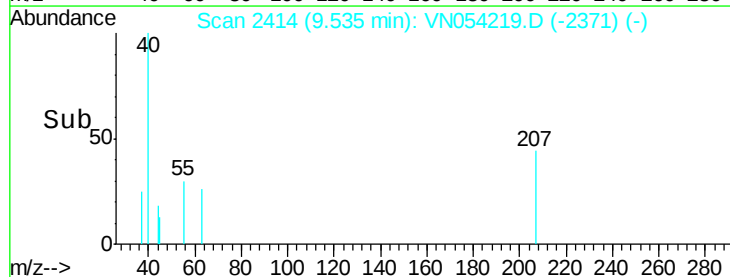
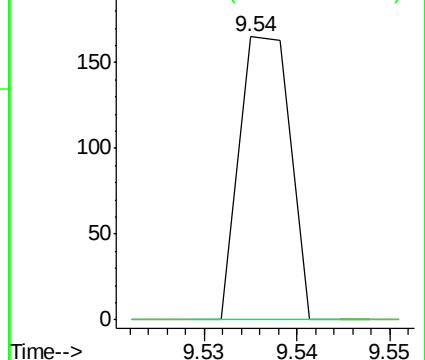
63 100

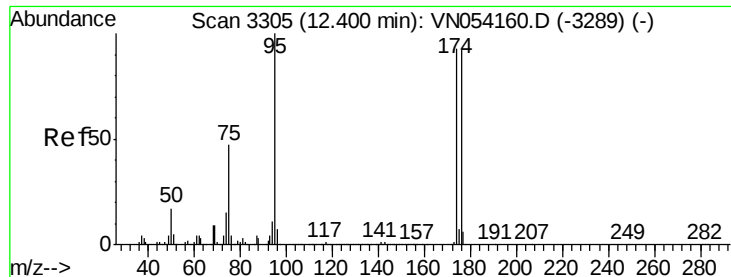
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 60.204 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

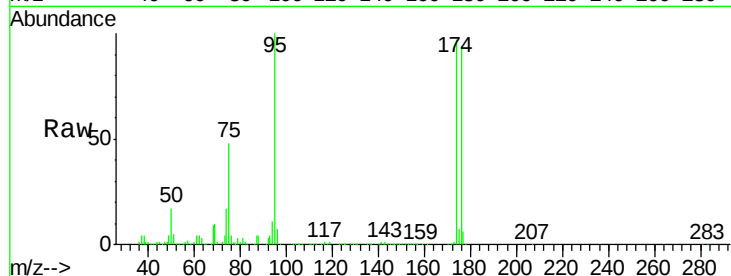
Tot Ion: 95 Resp: 1118524

Ion Ratio Lower Upper

95 100

174 97.4 0.0 191.0

176 94.9 0.0 187.4

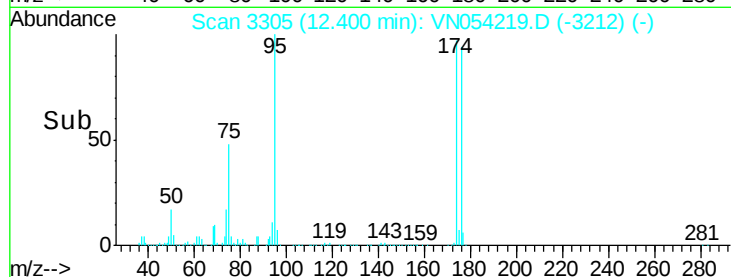


Abundance Ion 94.90 (94.60 to 95.60): VN054219.D (-2903) (-)

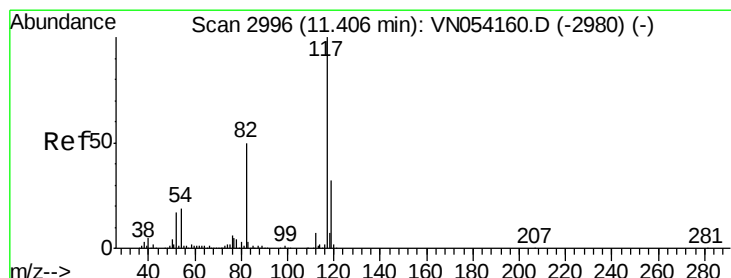
Ion 173.80 (173.50 to 174.50): VN054219.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054219.D (-2903) (-)

12.40



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

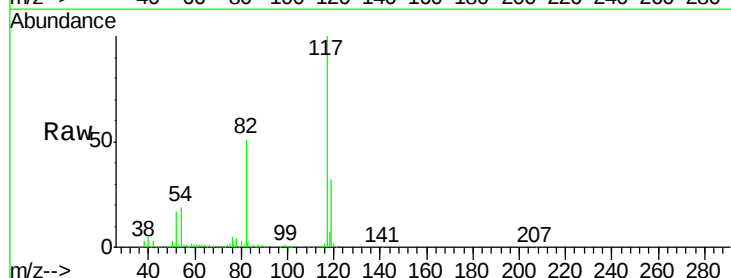
Tgt Ion: 117 Resp: 2408832

Ion Ratio Lower Upper

117 100

82 51.0 40.0 60.0

119 32.1 25.8 38.6

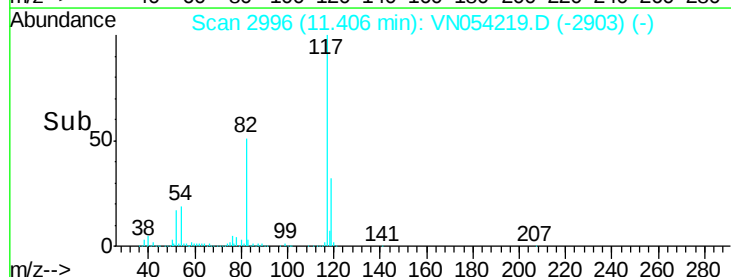


Abundance Ion 116.90 (116.60 to 117.60): VN054219.D (-2903) (-)

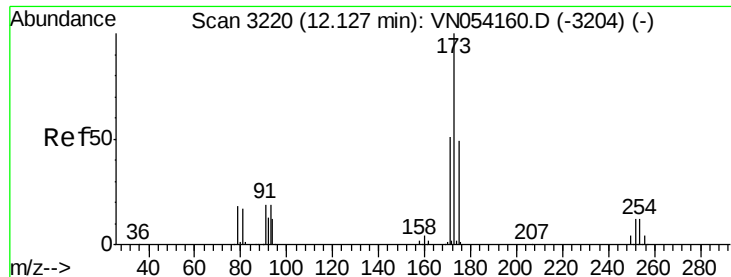
Ion 82.00 (81.70 to 82.70): VN054219.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054219.D (-2903) (-)

11.41



Time-->



#71

Bromoform

Concen: 2.832 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

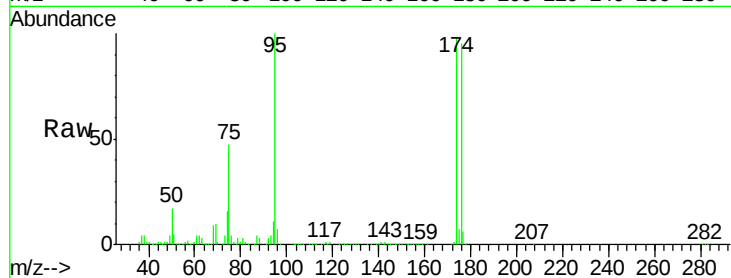
Tot Ion:173 Resp: 7394

Ion Ratio Lower Upper

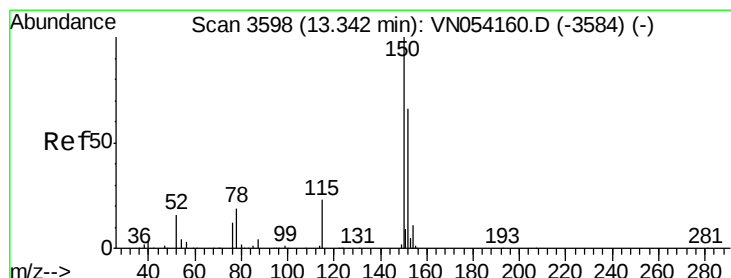
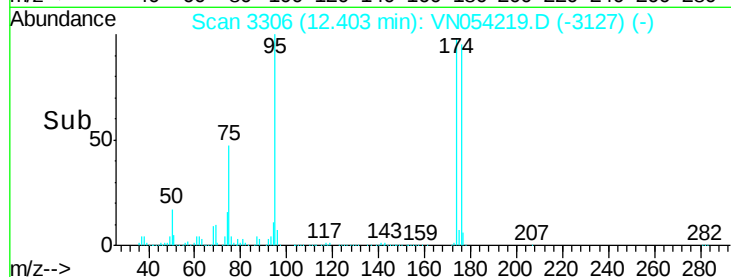
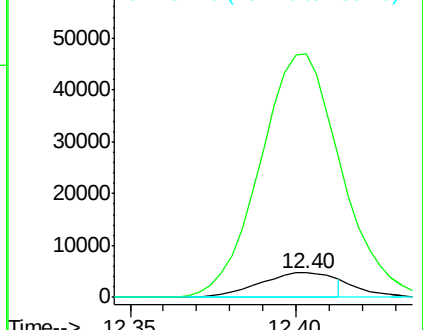
173 100

175 935.5 24.4 73.2#

254 0.0 0.1 0.1#



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# 3598

Delta R.T. -0.00 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

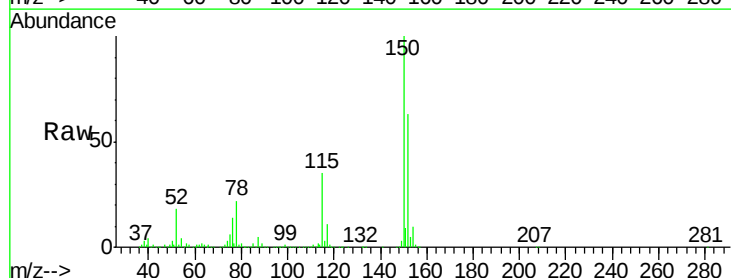
Tgt Ion:152 Resp: 1093265

Ion Ratio Lower Upper

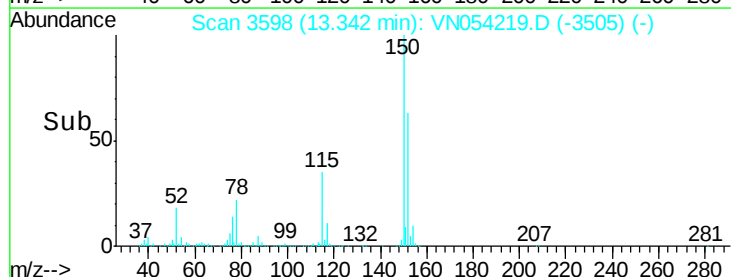
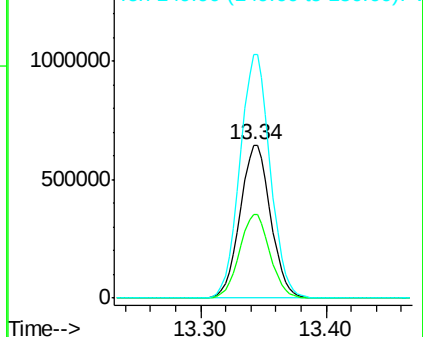
152 100

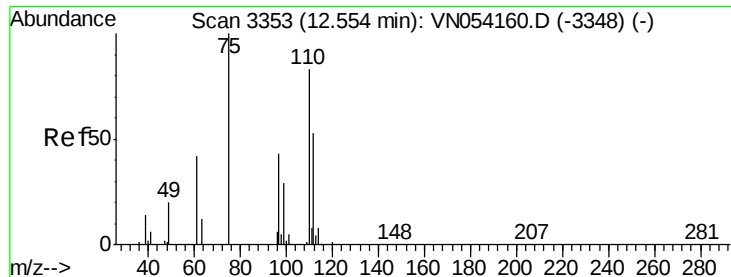
115 54.4 27.2 81.6

150 157.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 33.533 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

Instrument :

MSVOA_N

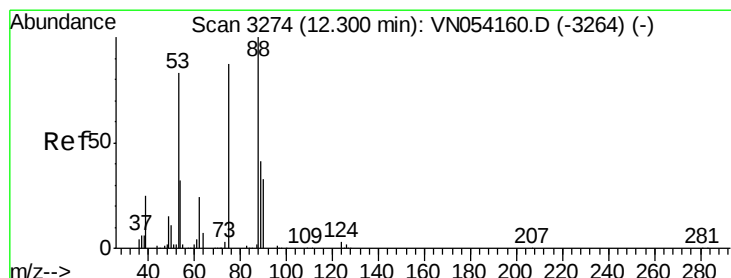
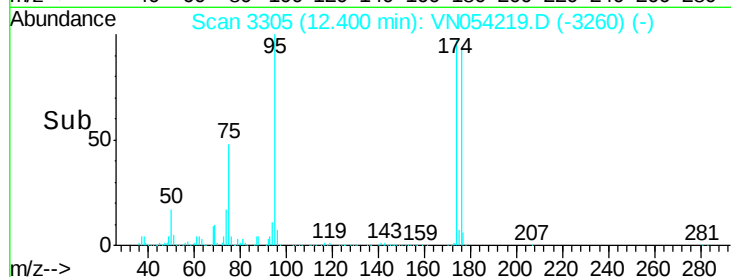
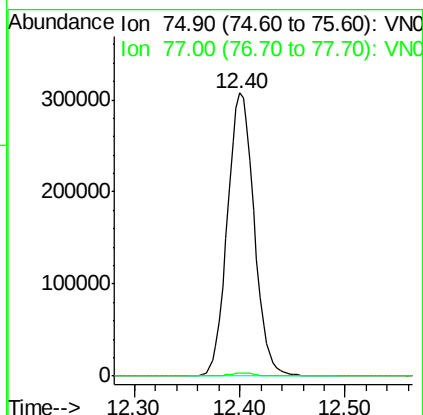
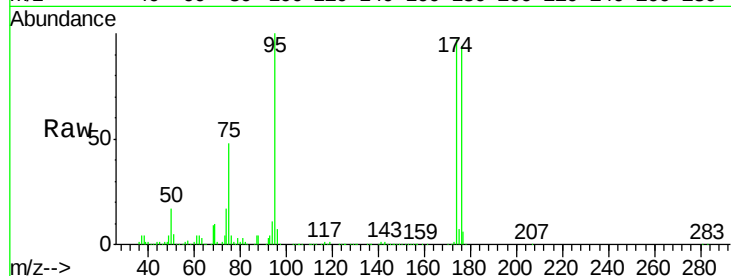
ClientSampleId :

Tot Ion: 75 Resp: 539116

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.632 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054219.D

Acq: 13 Mar 2019 18:18

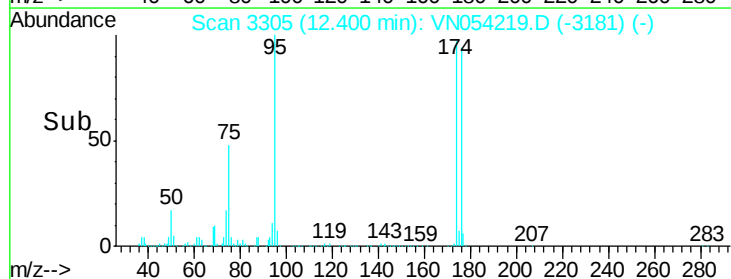
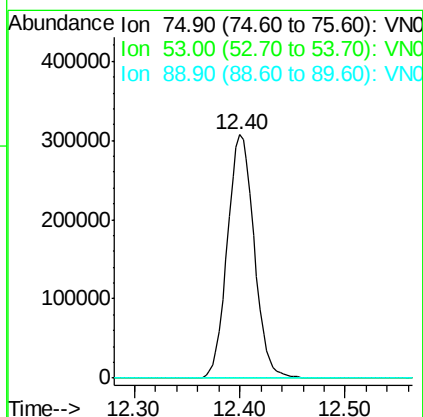
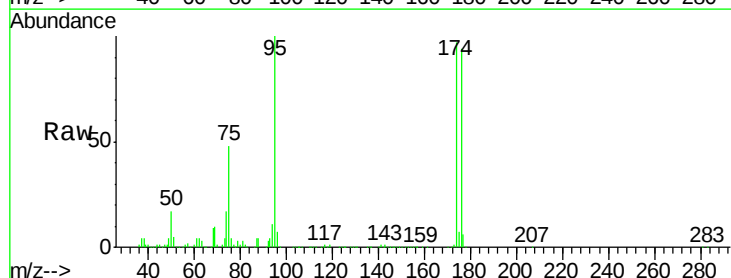
Tgt Ion: 75 Resp: 539116

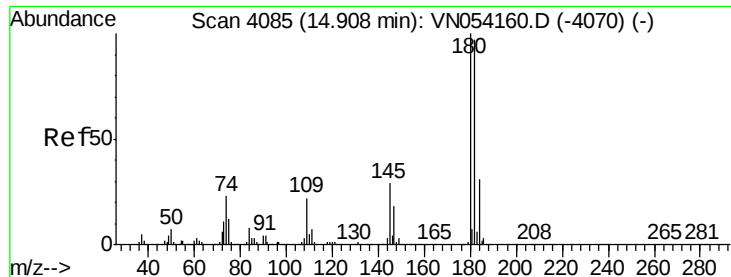
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

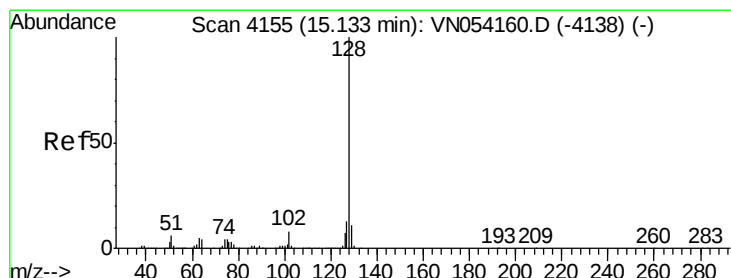
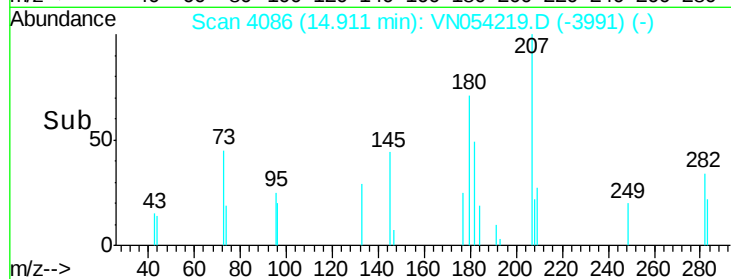
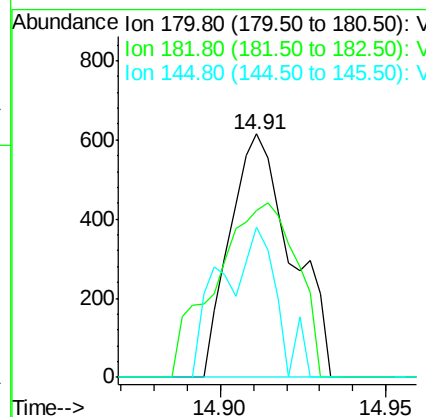
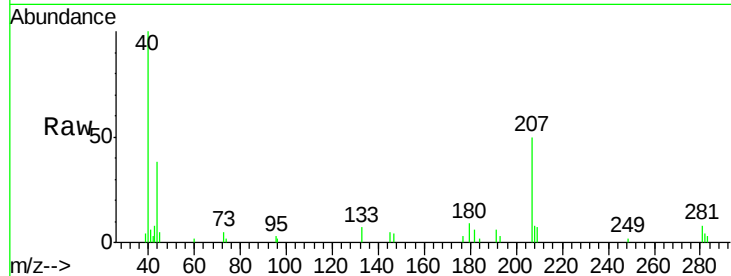




#93
 1,2,4-Trichlorobenzene
 Concen: 2.549 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054219.D
 Acq: 13 Mar 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	32.6	14.2	42.8



#95
 Naphthalene
 Concen: 3.507 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN054219.D
 Acq: 13 Mar 2019 18:18

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	10.5	8.7	13.1

