

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020006.D
 Acq On : 15 Dec 2020 13:02
 Operator : JC/MD
 Sample : L5046-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Dec 15 13:24:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	317006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	525441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	484024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	212780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	200866	48.21	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.42%		
35) Dibromofluoromethane	5.46	113	164240	48.36	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.72%		
50) Toluene-d8	8.70	98	634246	48.92	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.84%		
62) 4-Bromofluorobenzene	11.12	95	225722	45.74	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.48%		

Target Compounds

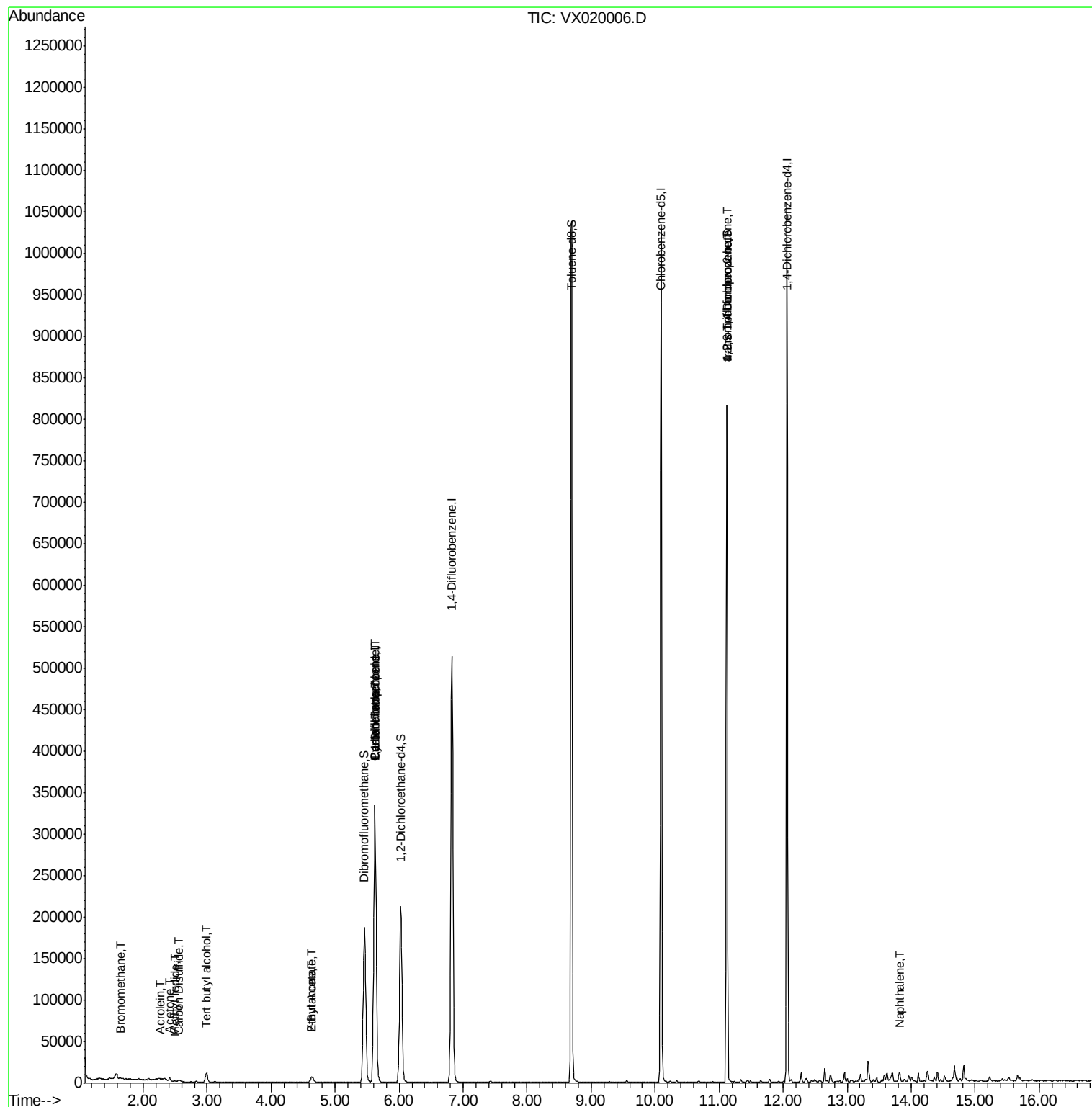
					Qvalue
5) Bromomethane	1.64	94	782	0.654 ug/l	95
10) Methyl Iodide	2.50	142	1115	0.263 ug/l	94
11) Tert butyl alcohol	3.00	59	7128	5.769 ug/l #	76
13) Acrolein	2.27	56	228	0.496 ug/l #	6
16) Acetone	2.42	43	4439	2.835 ug/l	100
17) Carbon Disulfide	2.55	76	2039	0.245 ug/l #	88
20) Methylene Chloride	2.82	84	408	Below Cal #	89
25) 2-Butanone	4.63	43	2025	0.842 ug/l #	89
31) Cyclohexane	5.62	56	6326	1.221 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24199	5.097 ug/l #	48
37) Ethyl Acetate	4.63	43	2025	0.422 ug/l #	79
38) Carbon Tetrachloride	5.62	117	31048	6.678 ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	109018	22.844 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	109018	66.038 ug/l #	12
95) Naphthalene	13.82	128	7944	0.566 ug/l #	95

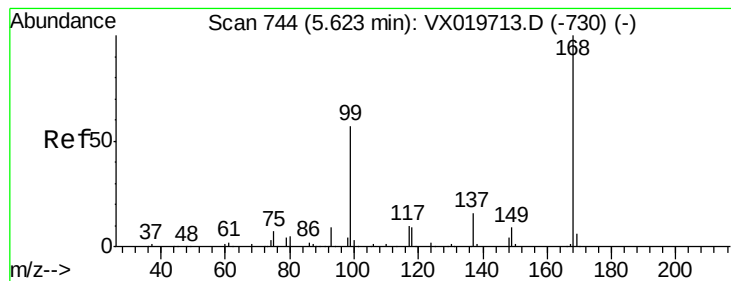
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Instrument :

MSVOA_X

ClientSampled :

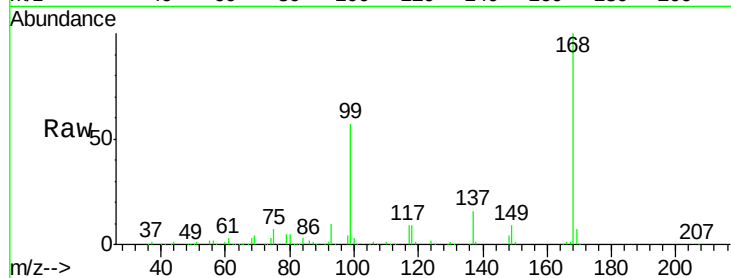
BFB

Tgt Ion: 168 Resp: 317006

Ion Ratio Lower Upper

168 100

99 56.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

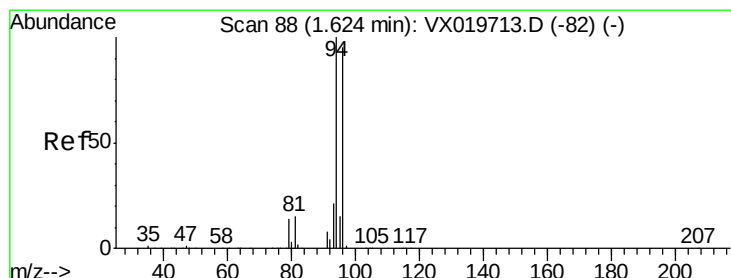
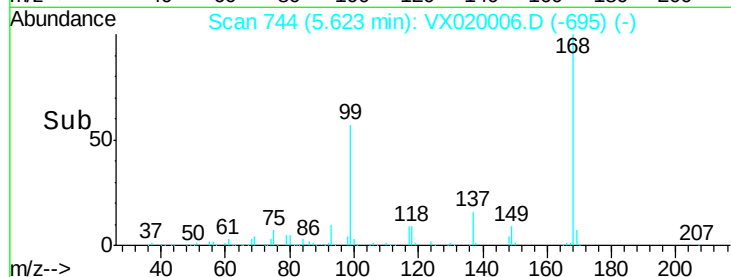
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.654 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020006.D

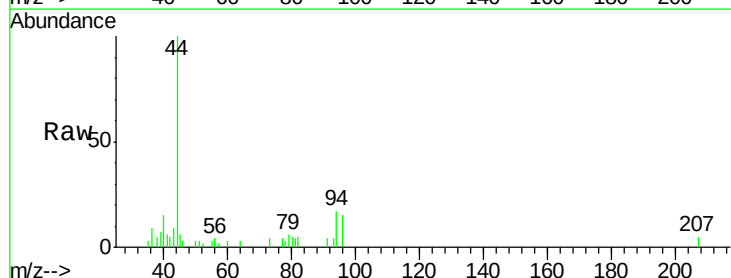
Acq: 15 Dec 2020 13:02

Tgt Ion: 94 Resp: 782

Ion Ratio Lower Upper

94 100

96 90.6 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

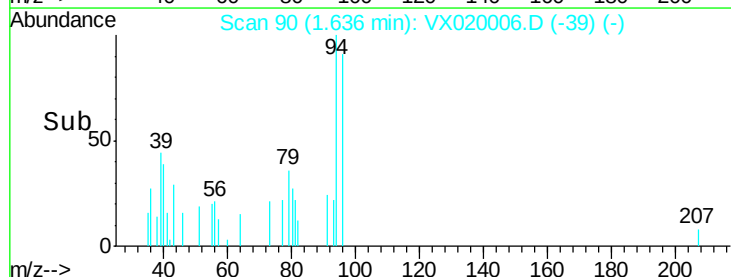
200

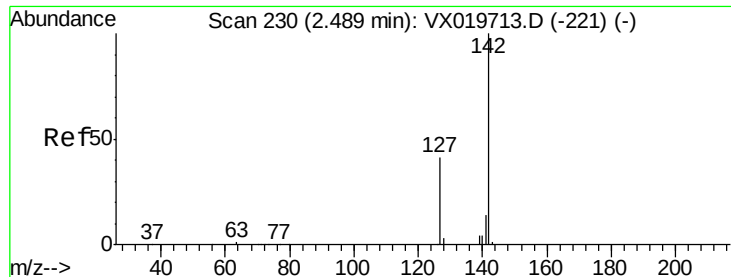
100

0

Time-->

1.60 1.65 1.70

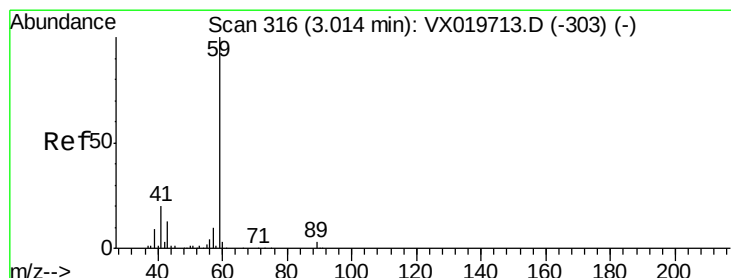
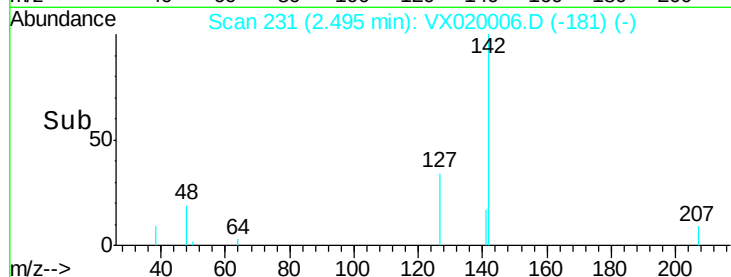
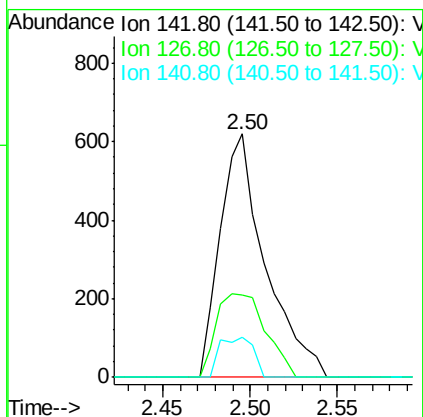
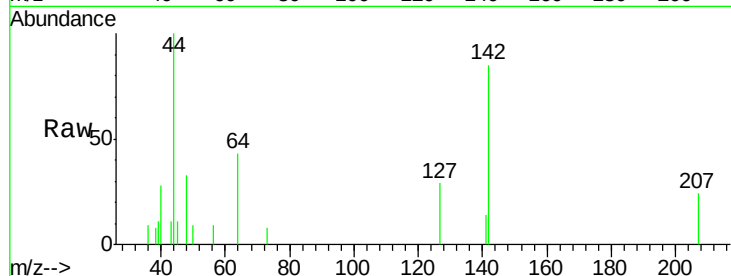




#10
Methyl Iodide
Concen: 0.263 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX020006.D
Acq: 15 Dec 2020 13:02

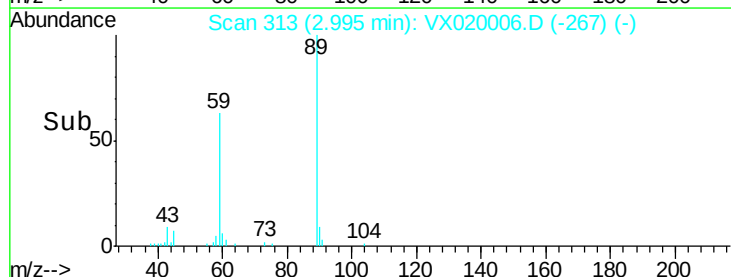
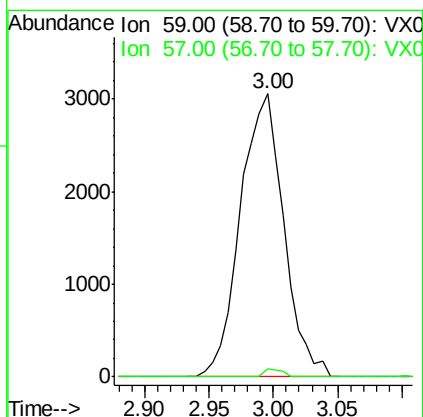
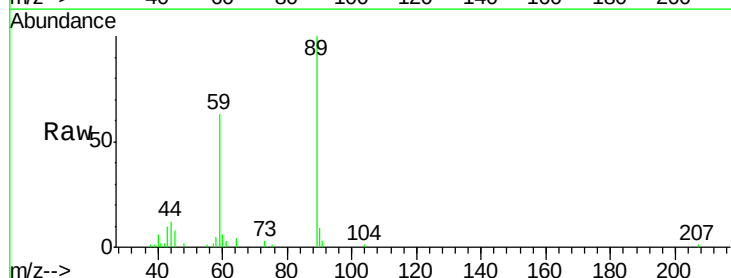
Instrument :
MSVOA_X
ClientSampleId :
BFB

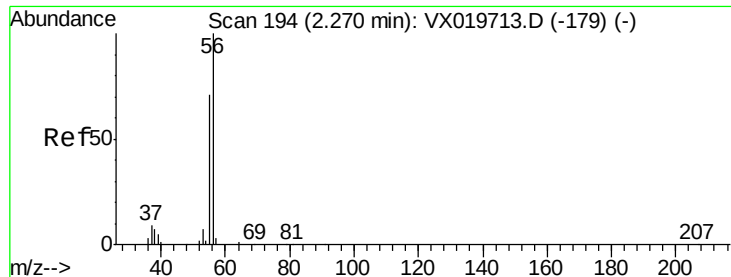
Tgt Ion: 142 Resp: 1115
Ion Ratio Lower Upper
142 100
127 37.4 33.3 49.9
141 12.0 11.4 17.0



#11
Tert butyl alcohol
Concen: 5.769 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX020006.D
Acq: 15 Dec 2020 13:02

Tgt Ion: 59 Resp: 7128
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#





#13

Acrolein

Concen: 0.496 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Instrument :

MSVOA_X

ClientSampled :

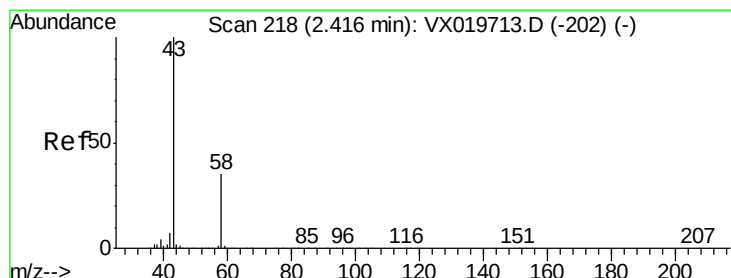
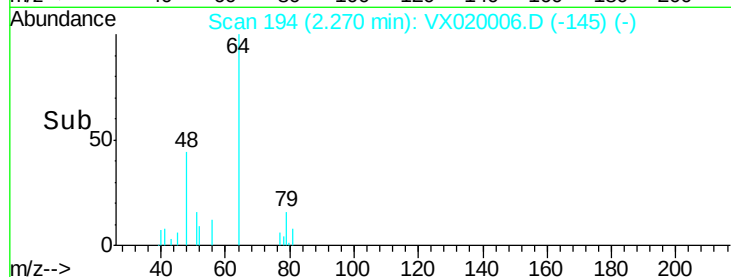
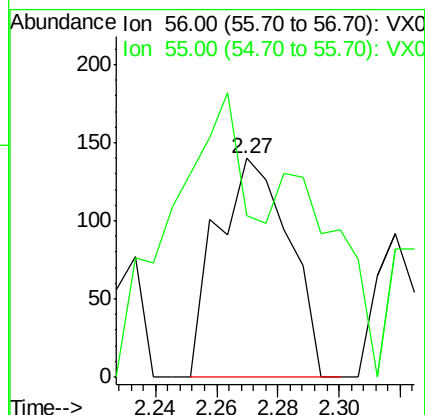
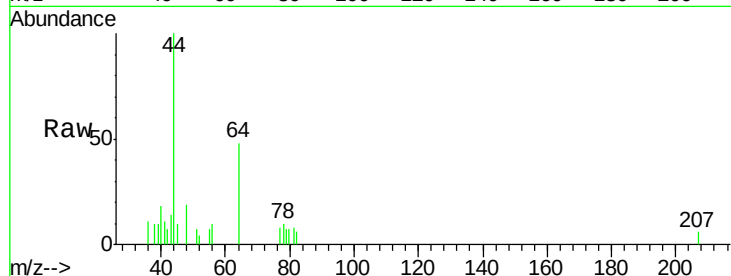
BFB

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

56 100

55 148.2 56.4 84.6#



#16

Acetone

Concen: 2.835 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020006.D

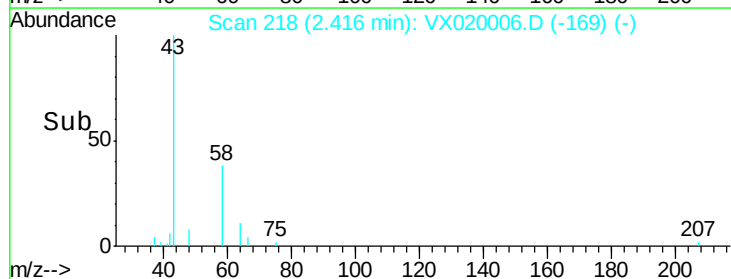
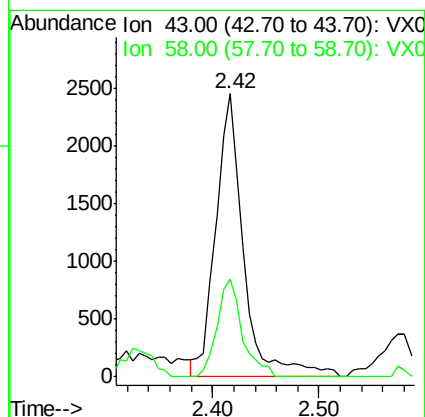
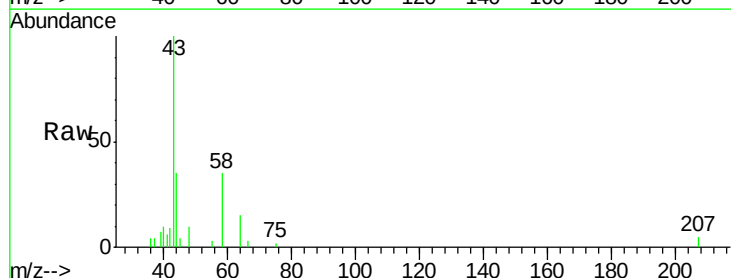
Acq: 15 Dec 2020 13:02

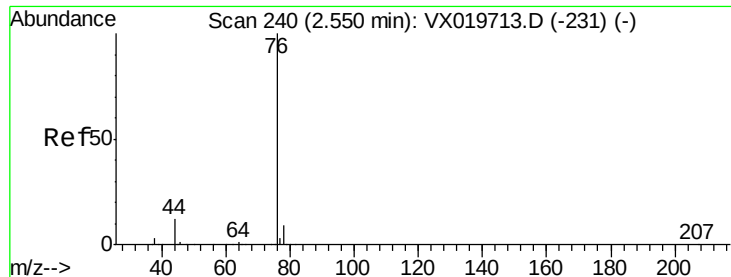
Tgt Ion: 43 Resp: 4439

Ion Ratio Lower Upper

43 100

58 34.8 27.8 41.8





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Instrument :

MSVOA_X

ClientSampled :

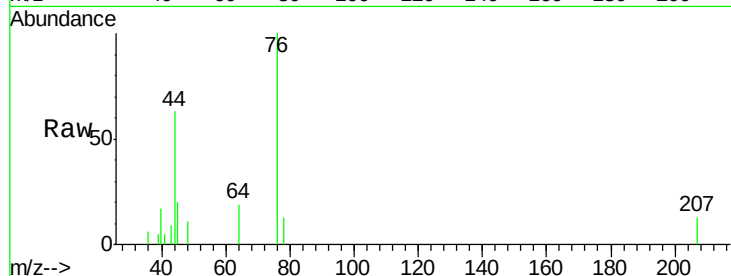
BFB

Tgt Ion: 76 Resp: 2039

Ion Ratio Lower Upper

76 100

78 13.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

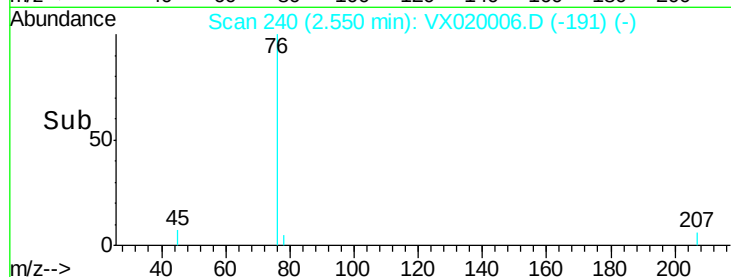
1500

1000

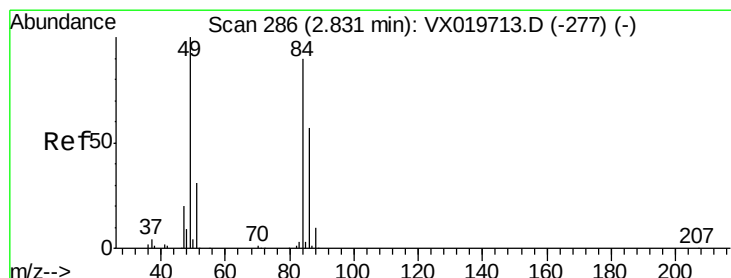
500

0

Time-->



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.82 min Scan# 285

Delta R.T. -0.01 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Tgt Ion: 84 Resp: 408

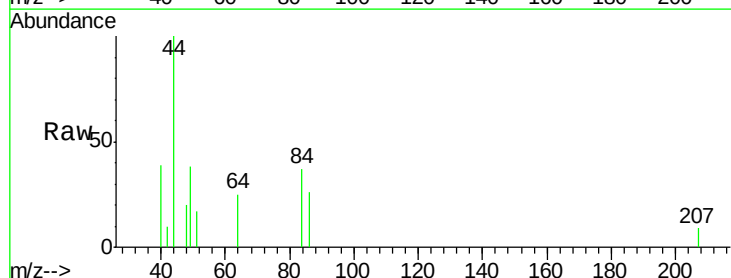
Ion Ratio Lower Upper

84 100

49 103.2 88.6 132.8

51 46.8 27.0 40.6#

86 71.6 50.3 75.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

400

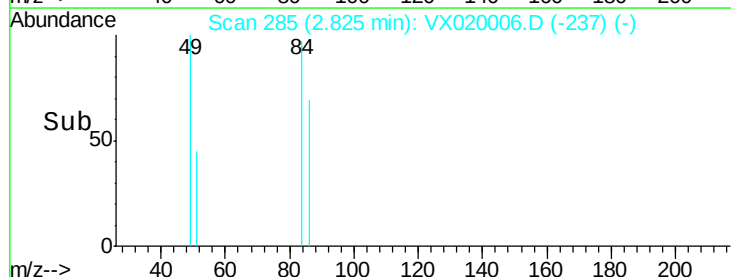
300

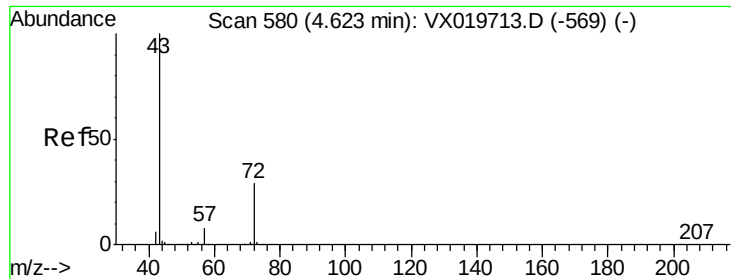
200

100

0

Time-->





#25

2-Butanone

Concen: 0.842 ug/l

RT: 4.63 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

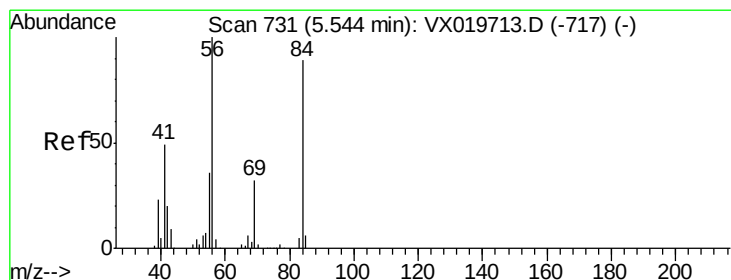
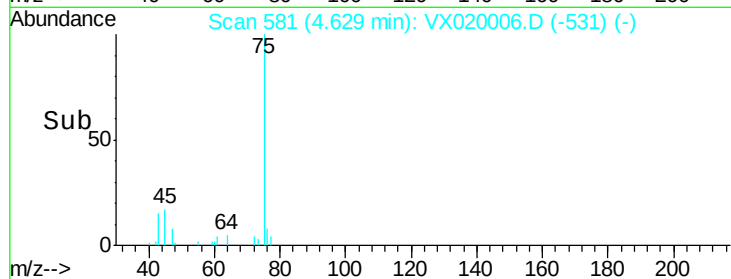
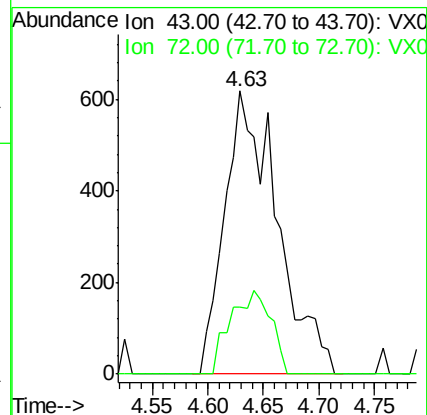
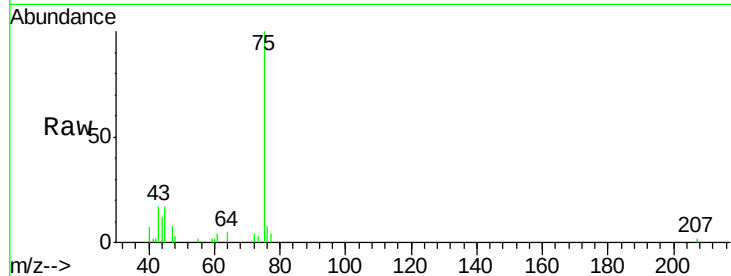
BFB

Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

43 100

72 23.5 23.7 35.5#



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

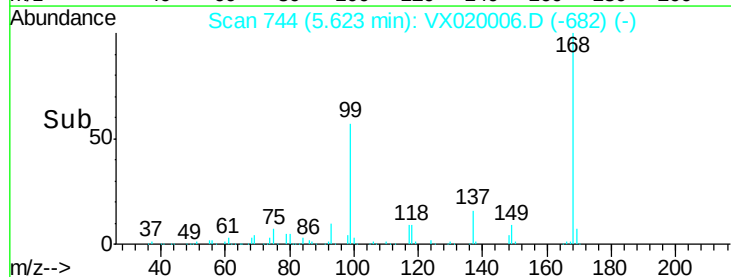
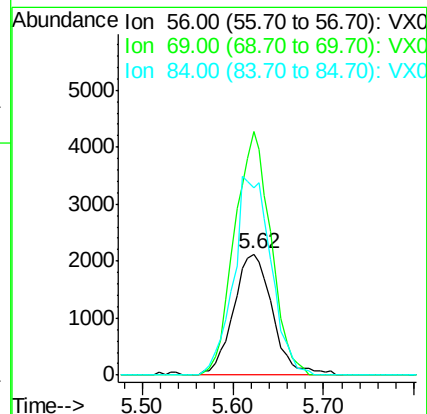
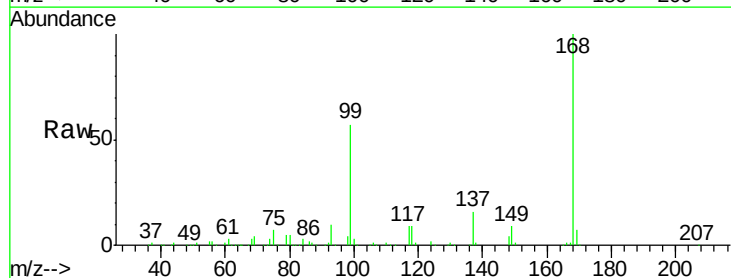
Tgt Ion: 56 Resp: 6326

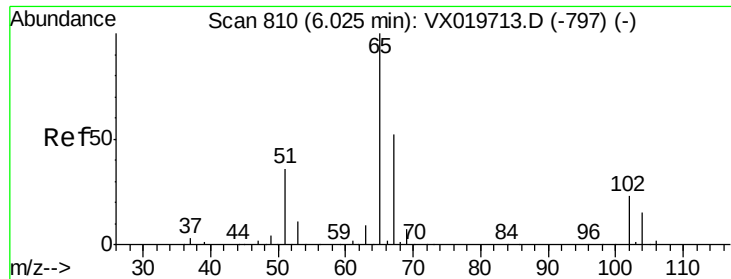
Ion Ratio Lower Upper

56 100

69 201.0 25.3 37.9#

84 154.2 71.4 107.0#

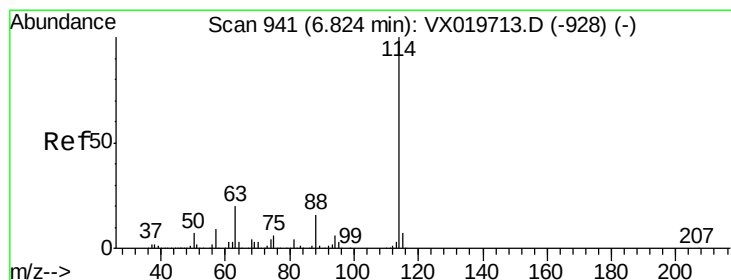
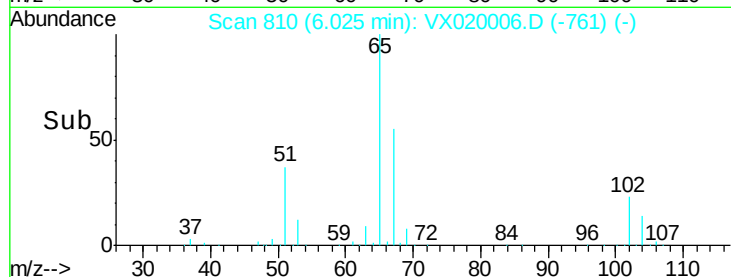
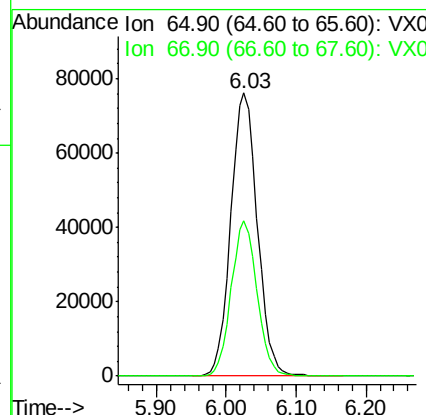
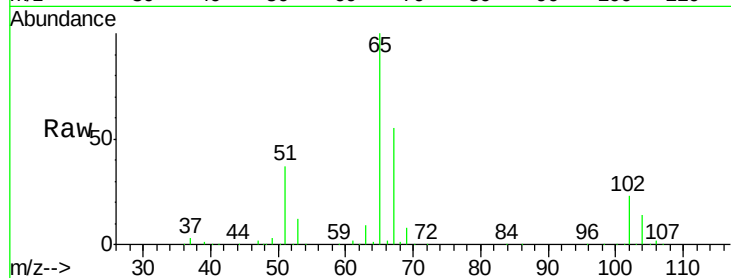




#33
 1,2-Dichloroethane-d4
 Concen: 48.211 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX020006.D
 Acq: 15 Dec 2020 13:02

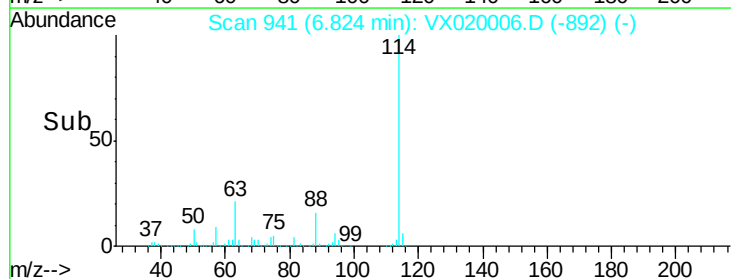
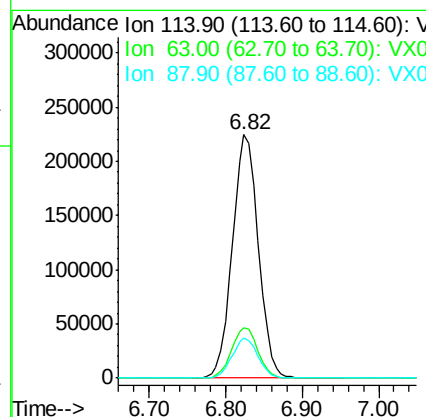
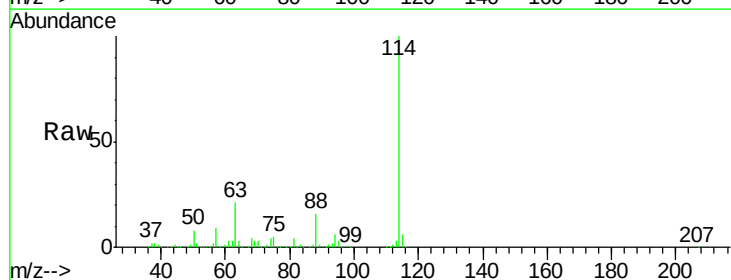
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

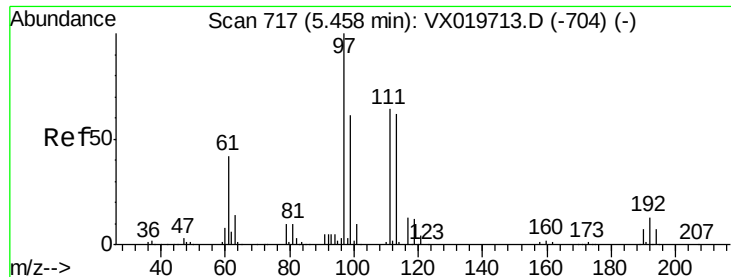
Tgt Ion: 65 Resp: 200866
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX020006.D
 Acq: 15 Dec 2020 13:02

Tgt Ion: 114 Resp: 525441
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 16.3 0.0 32.8

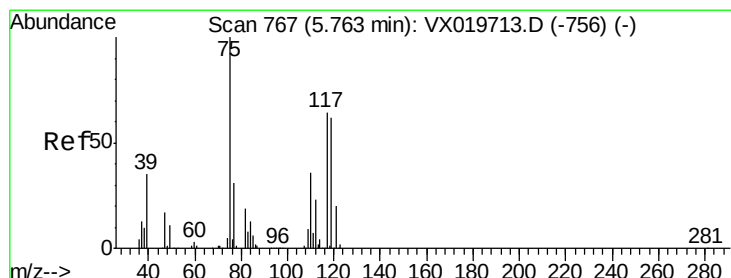
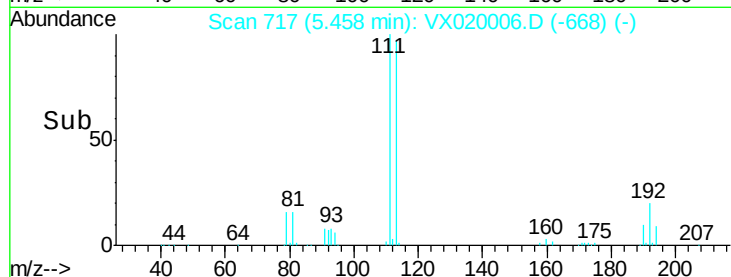
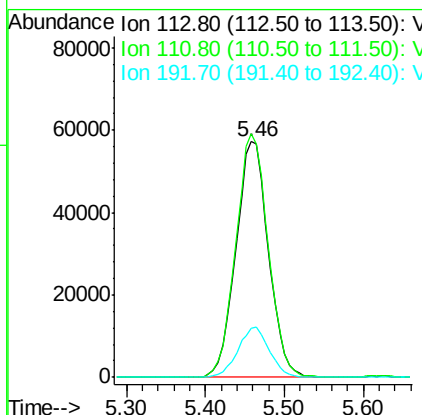
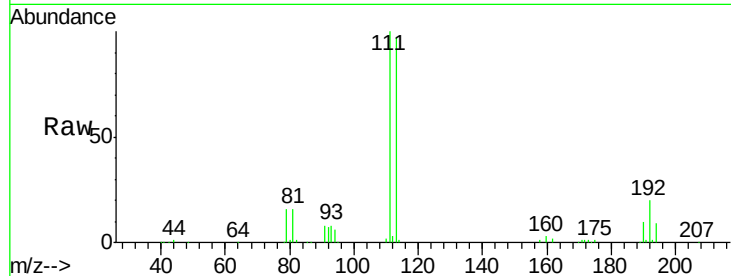




#35
 Dibromofluoromethane
 Concen: 48.365 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX020006.D
 Acq: 15 Dec 2020 13:02

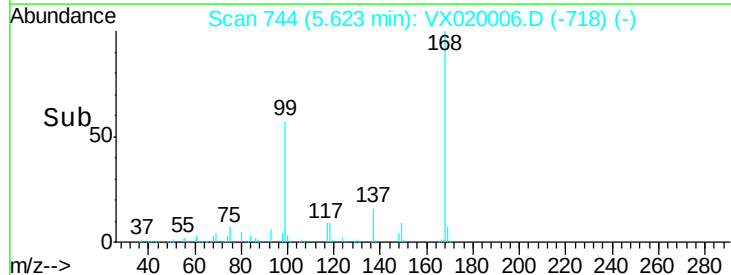
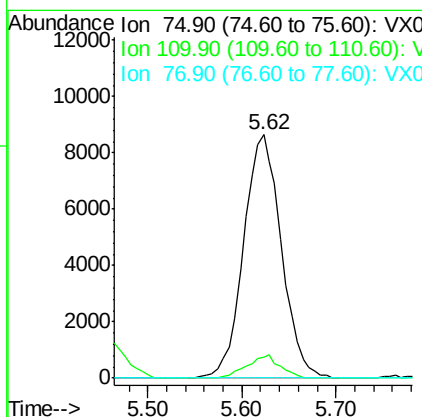
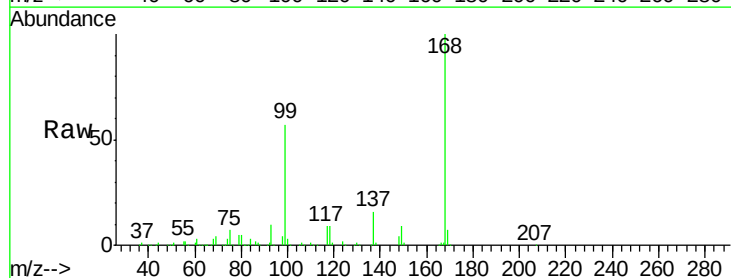
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

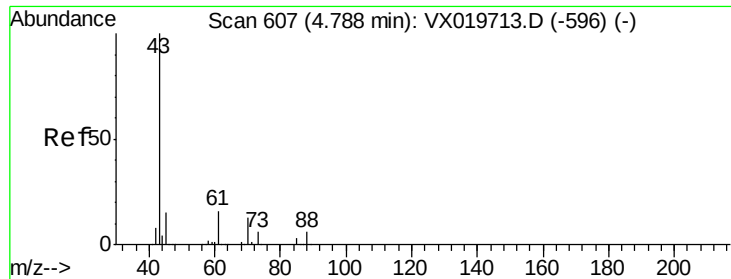
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	20.7	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.097 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020006.D
 Acq: 15 Dec 2020 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 0.422 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.16 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

BFB

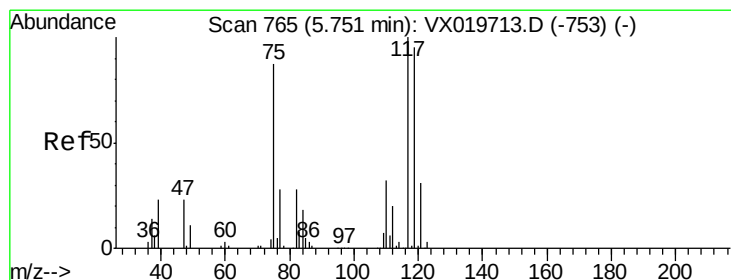
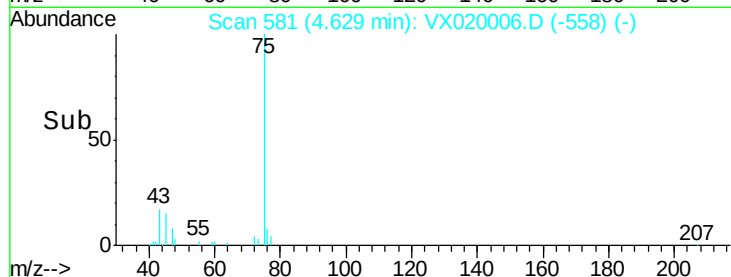
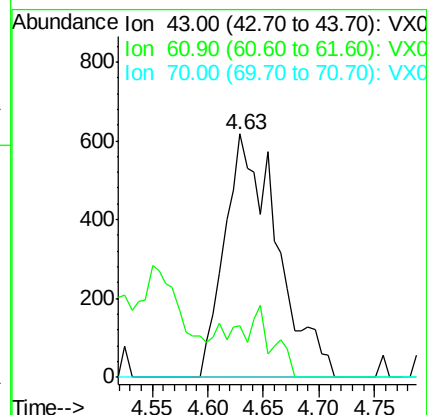
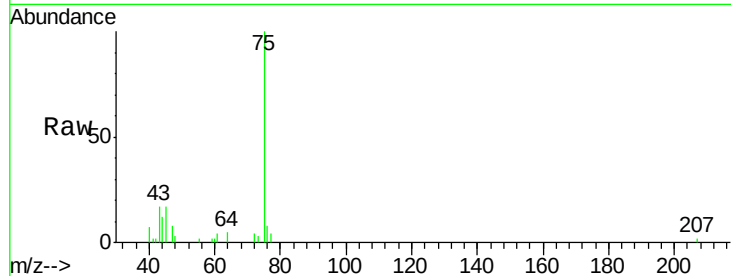
Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

43 100

61 11.4 12.8 19.2#

70 0.0 10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.678 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

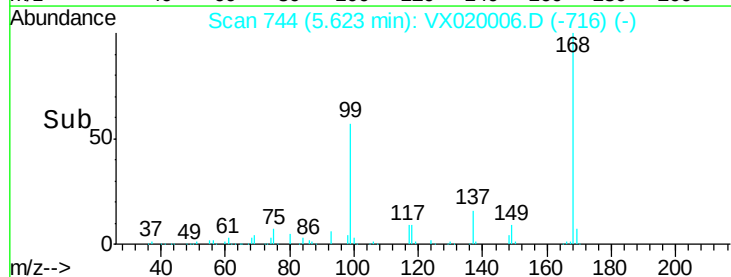
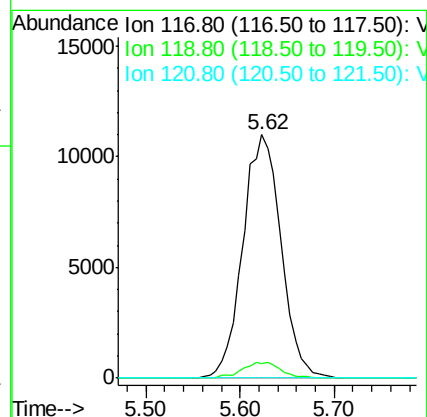
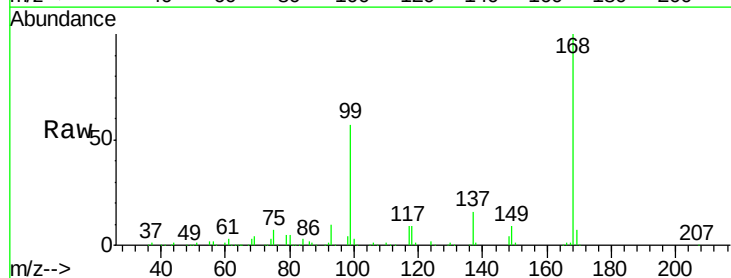
Tgt Ion: 117 Resp: 31048

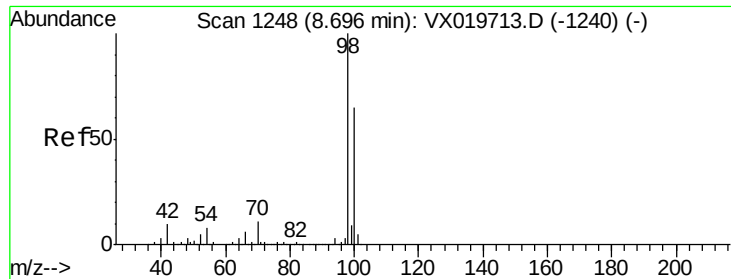
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.922 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

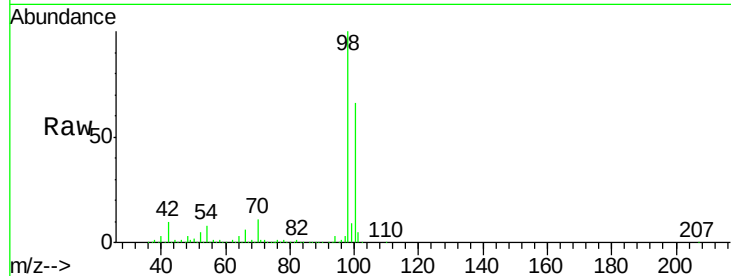
BFB

Tgt Ion: 98 Resp: 634246

Ion Ratio Lower Upper

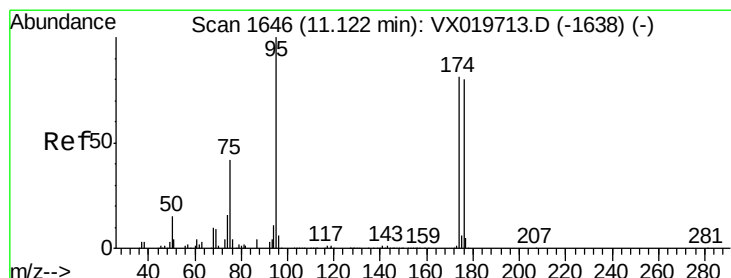
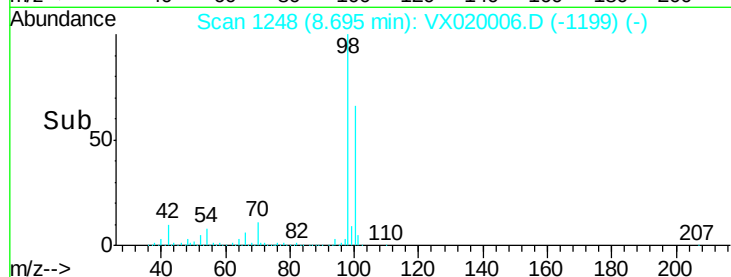
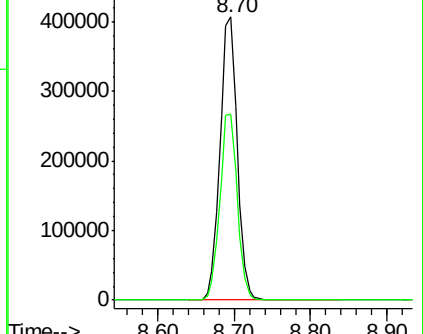
98 100

100 66.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.744 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

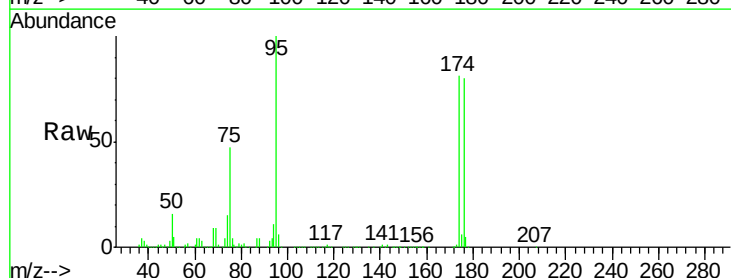
Tgt Ion: 95 Resp: 225722

Ion Ratio Lower Upper

95 100

174 77.0 0.0 154.6

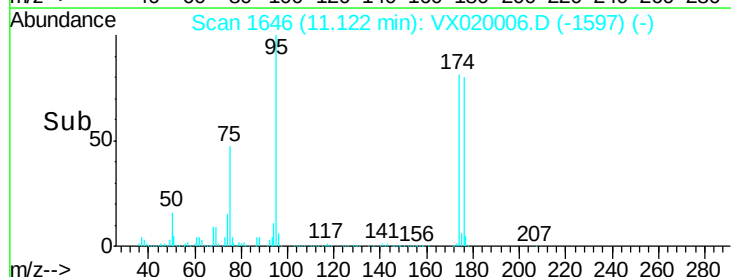
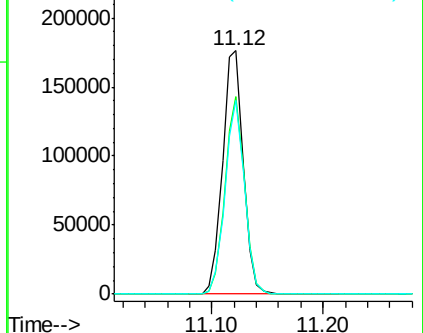
176 75.2 0.0 155.8

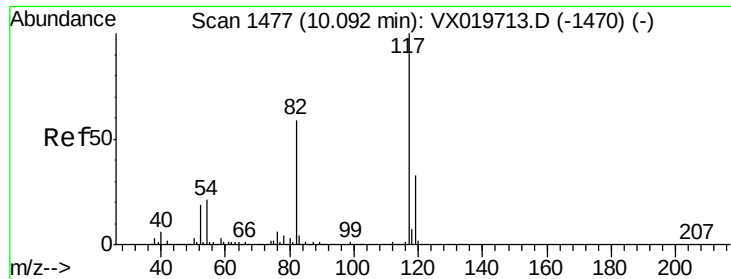


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

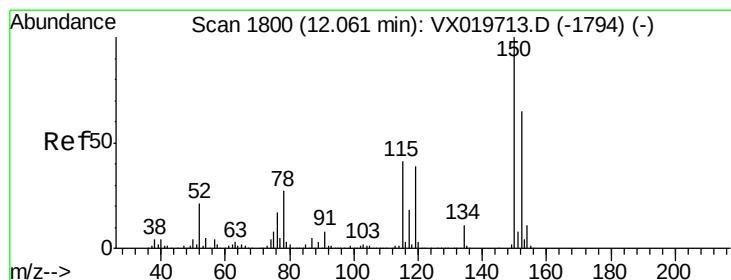
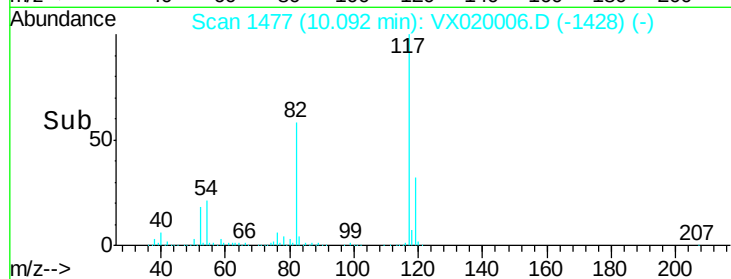
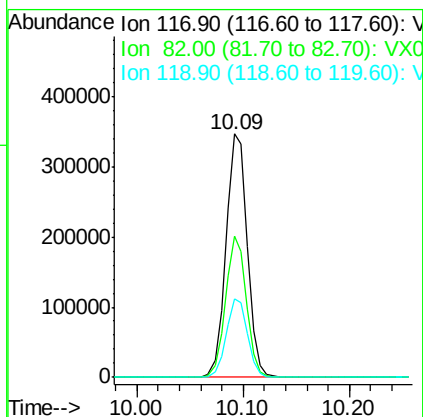
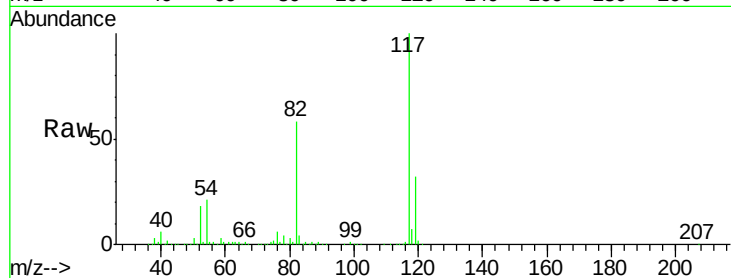




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX020006.D
Acq: 15 Dec 2020 13:02

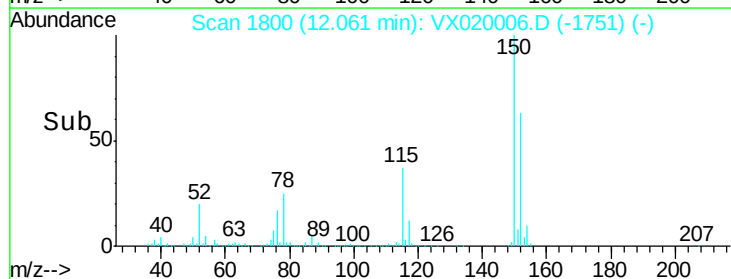
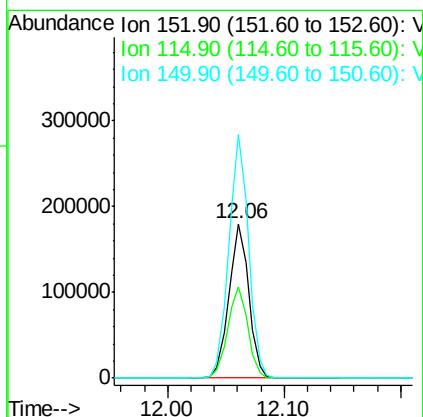
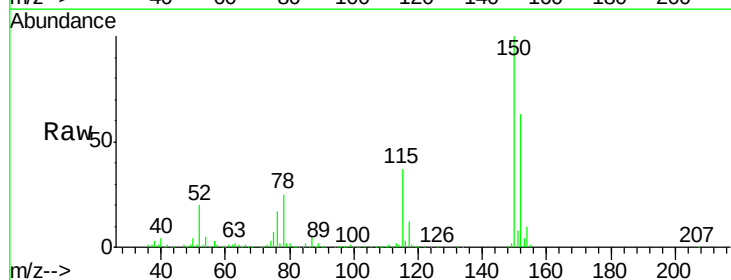
Instrument :
MSVOA_X
ClientSampled :
BFB

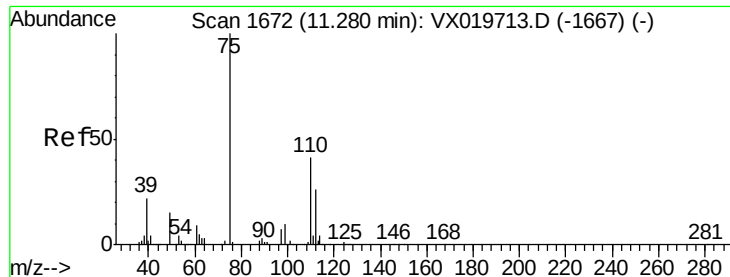
Tgt Ion:117 Resp: 484024
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020006.D
Acq: 15 Dec 2020 13:02

Tgt Ion:152 Resp: 212780
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 157.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.844 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

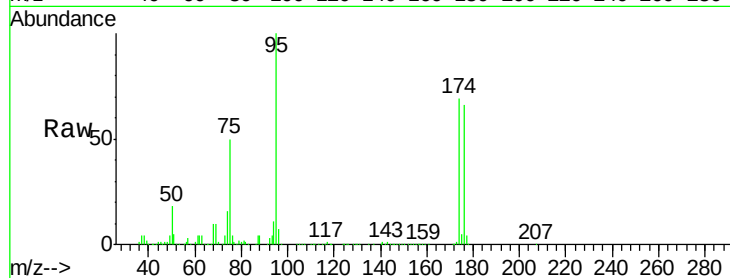
BFB

Tgt Ion: 75 Resp: 109018

Ion Ratio Lower Upper

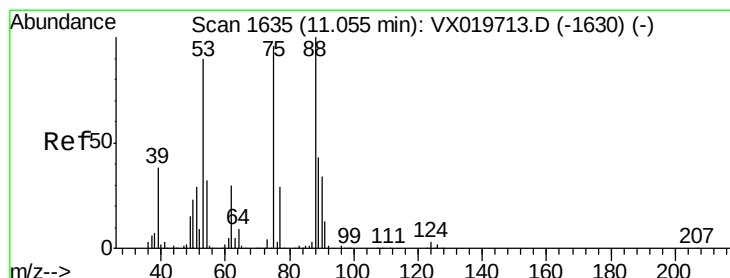
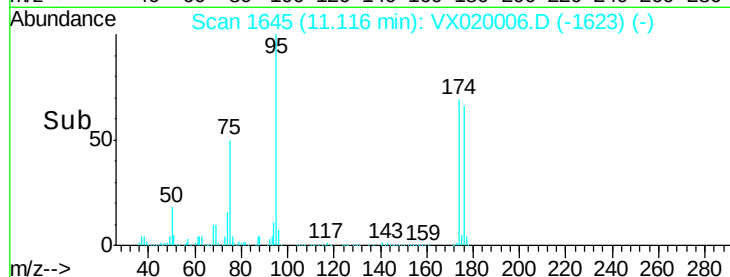
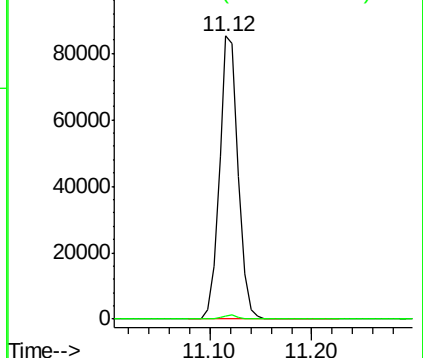
75 100

77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.038 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX020006.D

Acq: 15 Dec 2020 13:02

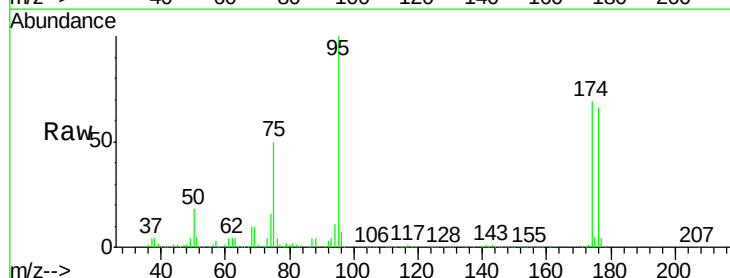
Tgt Ion: 75 Resp: 109018

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

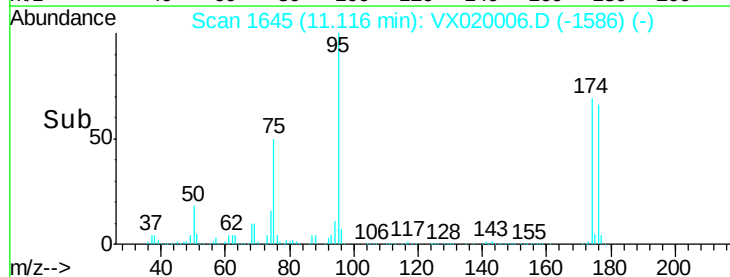
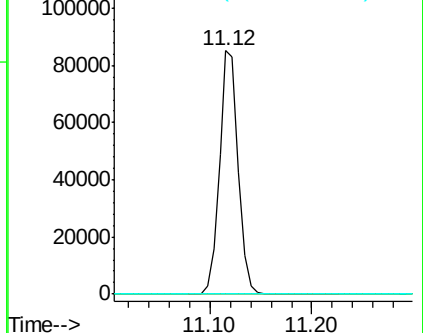
89 0.0 37.9 56.9#

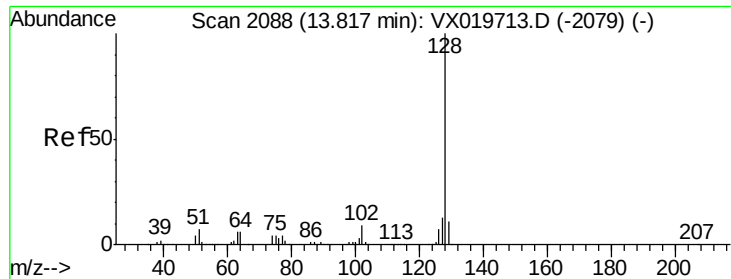


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

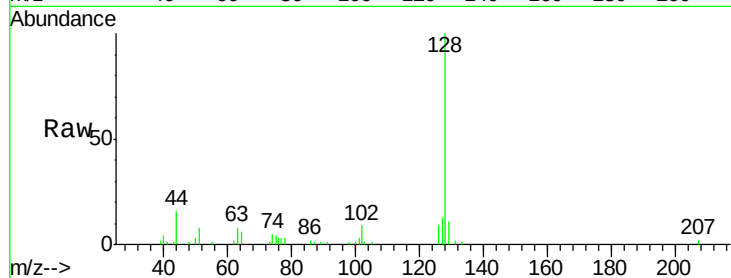




#95
Naphthalene
Concen: 0.566 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX020006.D
Acq: 15 Dec 2020 13:02

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	14.1	8.8	13.2



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

