

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019546.D
 Acq On : 23 Nov 2020 13:31
 Operator : JC/MD
 Sample : L4798-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20201118

Quant Time: Nov 24 00:31:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	321447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	514391	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	429445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	180984	50.00	ug/l	0.00

System Monitoring Compounds

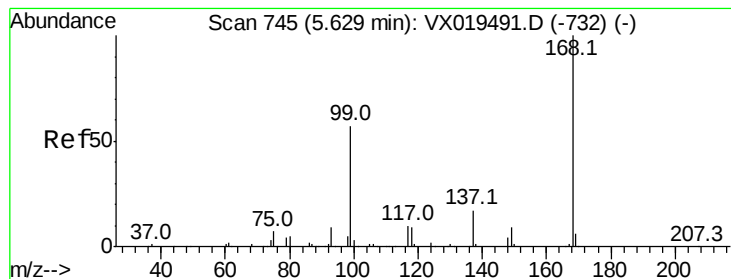
33) 1,2-Dichloroethane-d4	6.03	65	189666	45.51	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.02%
35) Dibromofluoromethane	5.46	113	152656	47.28	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.56%
50) Toluene-d8	8.70	98	593222	47.28	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.56%
62) 4-Bromofluorobenzene	11.12	95	200124	44.33	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.66%

Target Compounds

					Qvalue	
5) Bromomethane	1.62	94	671	0.459	ug/l	82
6) Chloroethane	1.70	64	845	Below Cal	#	41
11) Tert butyl alcohol	3.04	59	532	0.674	ug/l #	73
13) Acrolein	2.28	56	208	0.392	ug/l #	1
16) Acetone	2.43	43	48871	30.321	ug/l	100
17) Carbon Disulfide	2.54	76	1777	0.207	ug/l	98
18) Methyl Acetate	2.75	43	649	0.797	ug/l #	76
25) 2-Butanone	4.65	43	2173	0.897	ug/l #	83
31) Cyclohexane	5.63	56	6091	1.124	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23486	4.870	ug/l #	49
38) Carbon Tetrachloride	5.62	117	30880	6.616	ug/l #	16
59) 2-Hexanone	9.48	43	783	0.233	ug/l	81
70) Styrene	10.70	104	182	1.663	ug/l #	80
71) Bromoform	10.84	173	32	3.614	ug/l #	28
76) 1,2,3-Trichloropropane	11.12	75	97400	24.660	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	97400	65.199	ug/l #	12
95) Naphthalene	13.82	128	583	2.220	ug/l #	82

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

```
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Sample    : L4798-15  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 7 Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

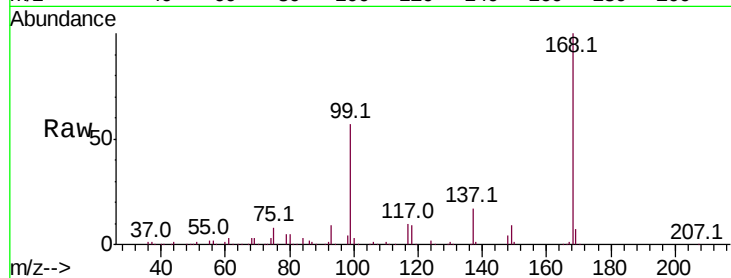
FB01-20201118

Tot Ion:168 Resp: 321447

Ion Ratio Lower Upper

168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

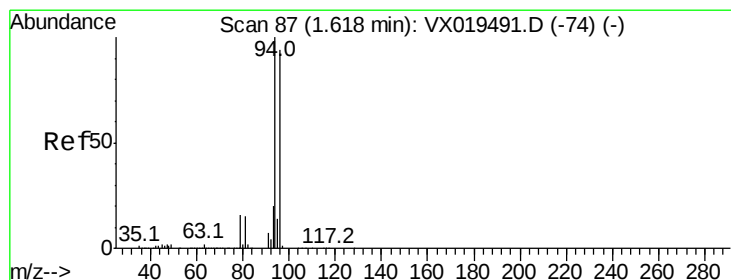
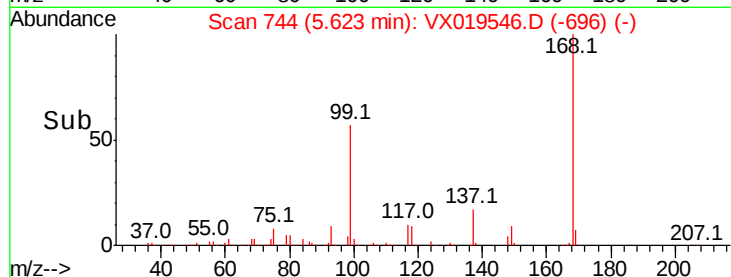
5.62

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.459 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019546.D

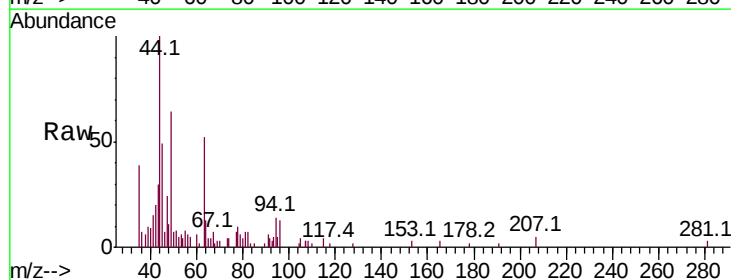
Acq: 23 Nov 2020 13:31

Tgt Ion: 94 Resp: 671

Ion Ratio Lower Upper

94 100

96 77.3 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

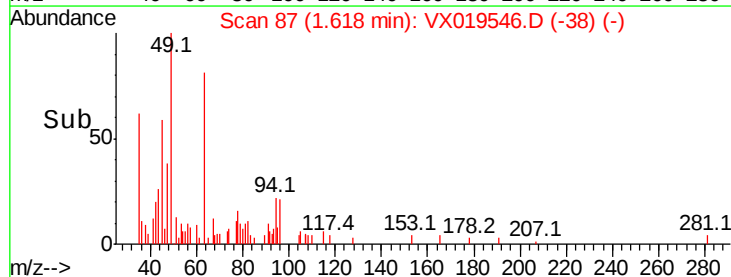
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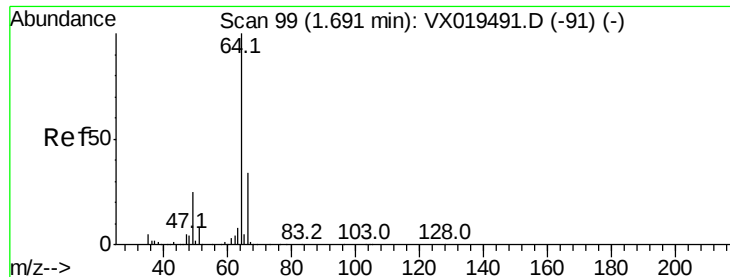
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

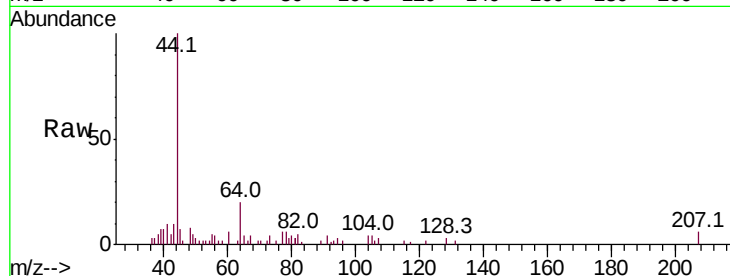
FB01-20201118

Tot Ion: 64 Resp: 845

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

800

600

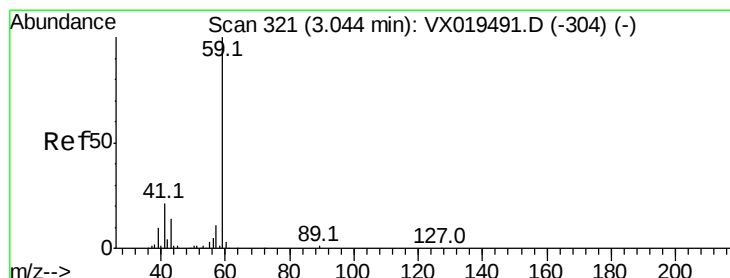
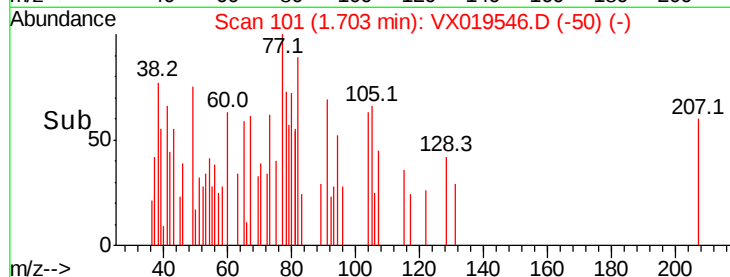
400

200

0

Time-->

1.68 1.70 1.72



#11

Tert butyl alcohol

Concen: 0.674 ug/l

RT: 3.04 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX019546.D

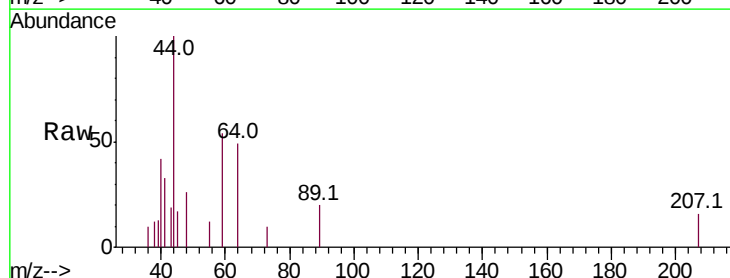
Acq: 23 Nov 2020 13:31

Tgt Ion: 59 Resp: 532

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

500

400

300

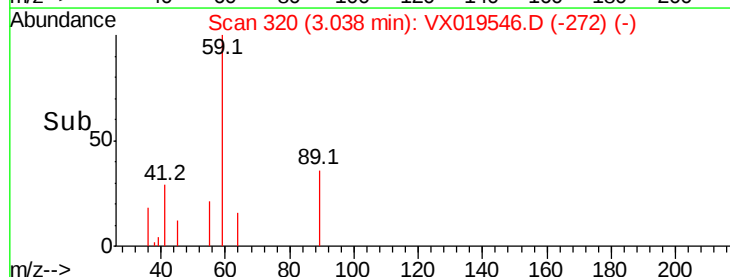
200

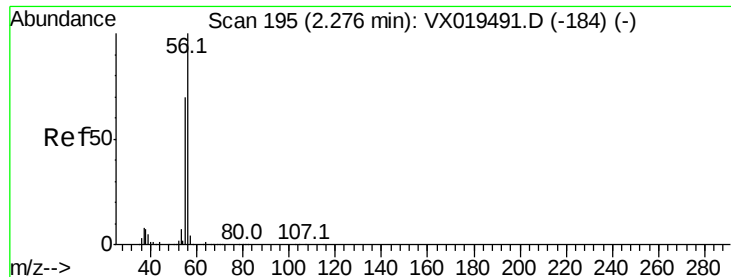
100

0

Time-->

3.00 3.05 3.10





#13

Acrolein

Concen: 0.392 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

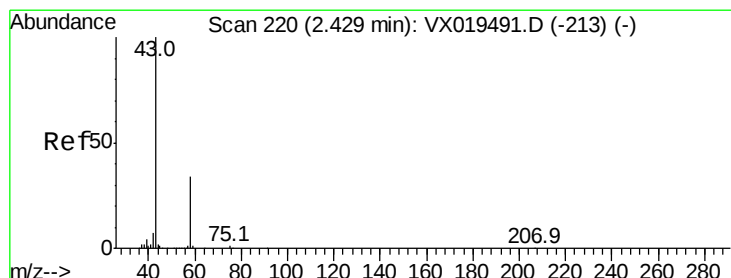
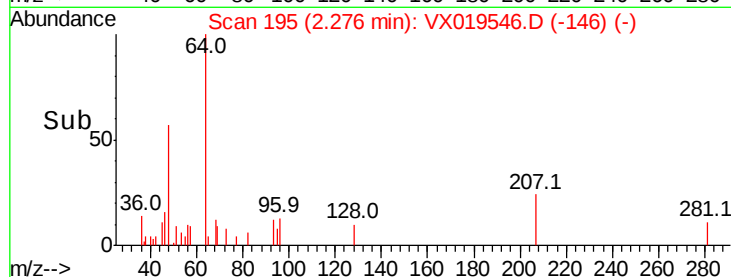
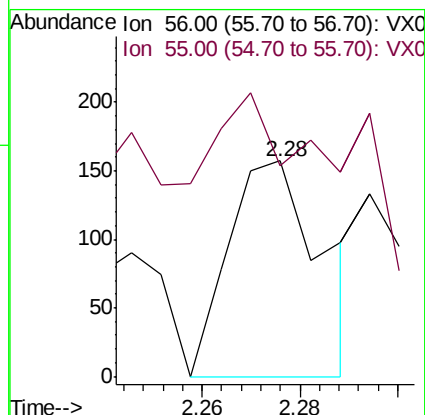
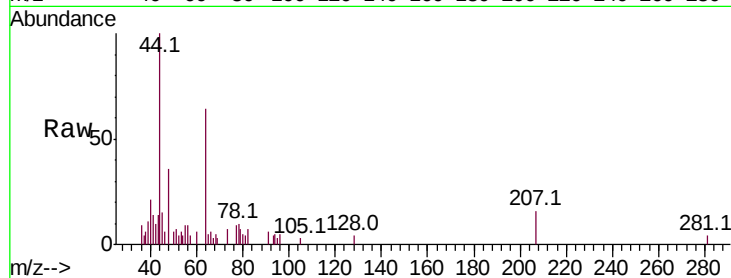
FB01-20201118

Tot Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 303.8 55.5 83.3#



#16

Acetone

Concen: 30.321 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019546.D

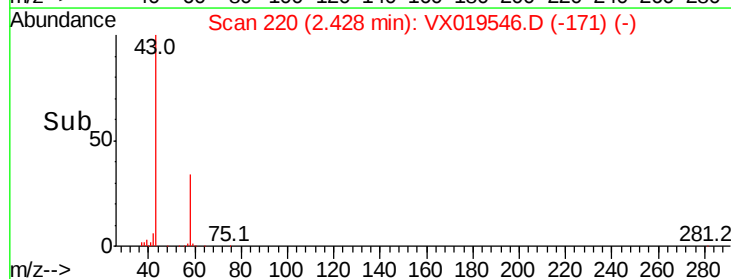
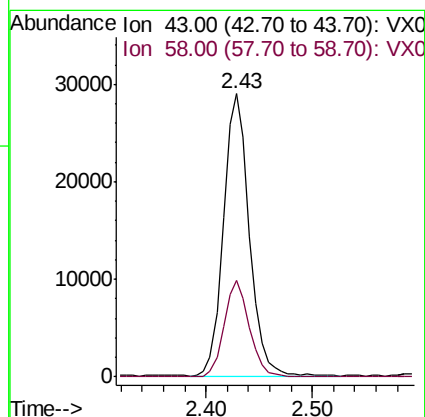
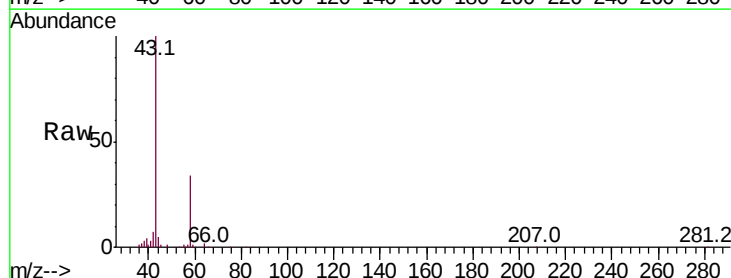
Acq: 23 Nov 2020 13:31

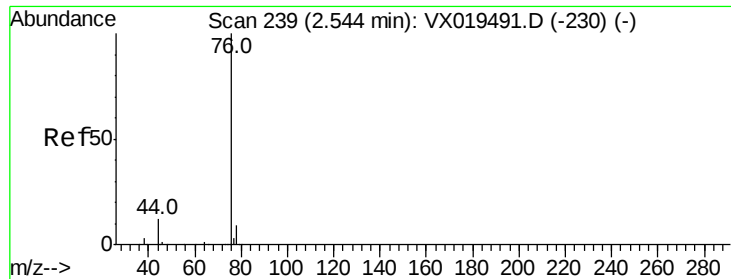
Tgt Ion: 43 Resp: 48871

Ion Ratio Lower Upper

43 100

58 34.1 27.4 41.2

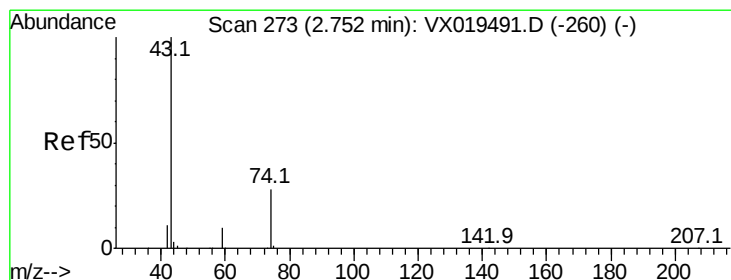
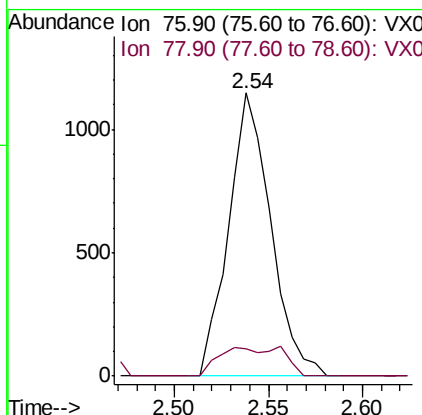
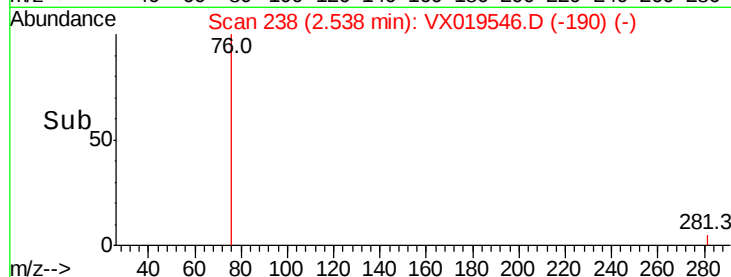
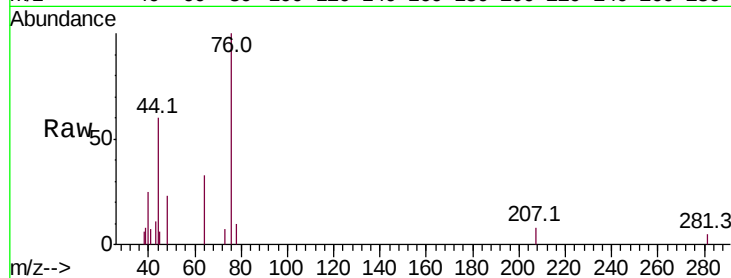




#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019546.D
Acq: 23 Nov 2020 13:31

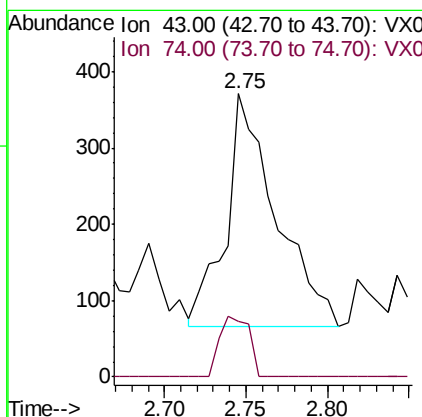
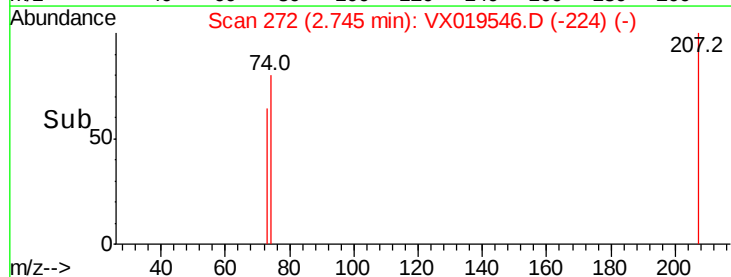
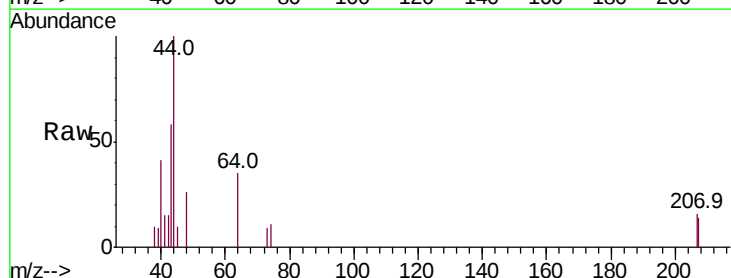
Instrument :
MSVOA_X
ClientSampleId :
FB01-20201118

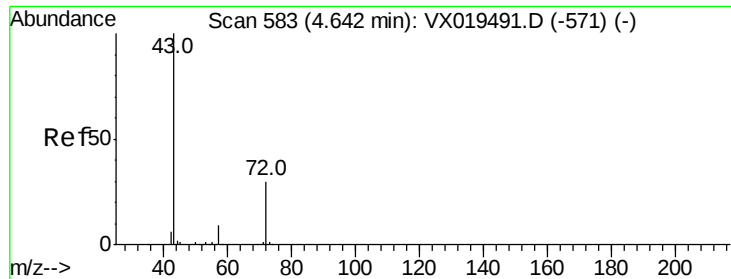
Tot Ion: 76 Resp: 1777
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8



#18
Methyl Acetate
Concen: 0.797 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019546.D
Acq: 23 Nov 2020 13:31

Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
74 15.4 22.2 33.4#





#25

2-Butanone

Concen: 0.897 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

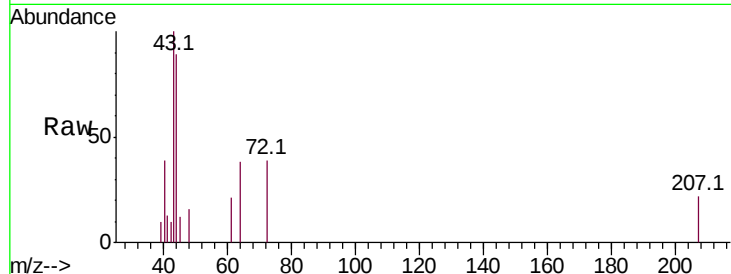
FB01-20201118

Tot Ion: 43 Resp: 2173

Ion Ratio Lower Upper

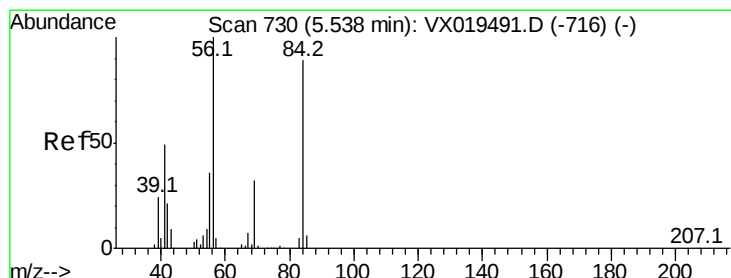
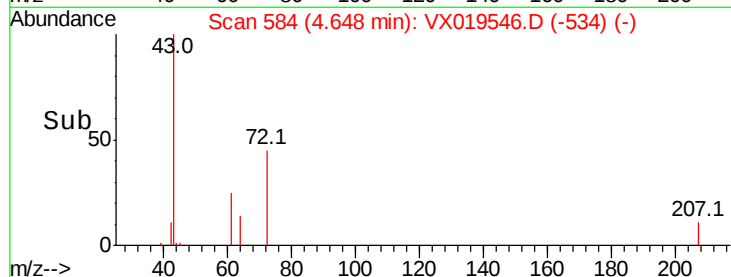
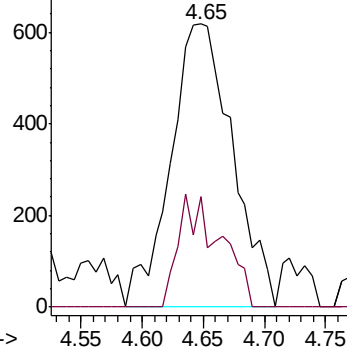
43 100

72 39.2 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

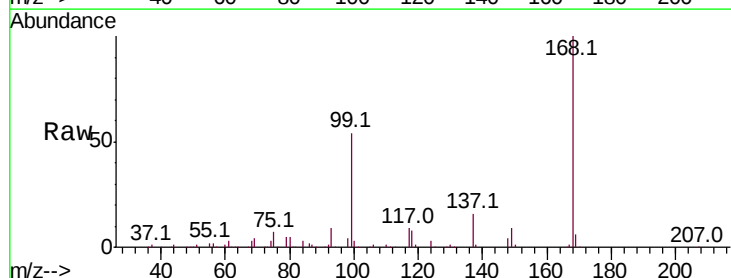
Tgt Ion: 56 Resp: 6091

Ion Ratio Lower Upper

56 100

69 192.4 25.5 38.3#

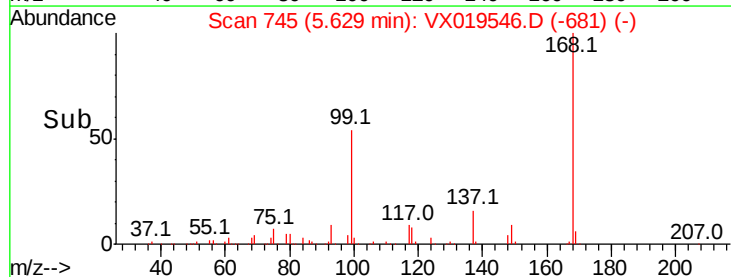
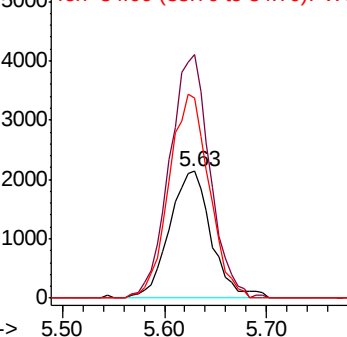
84 158.4 71.1 106.7#

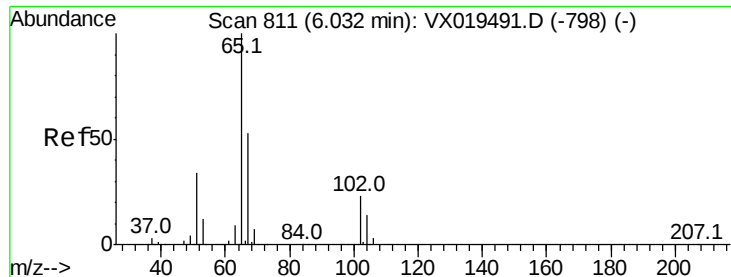


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.507 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

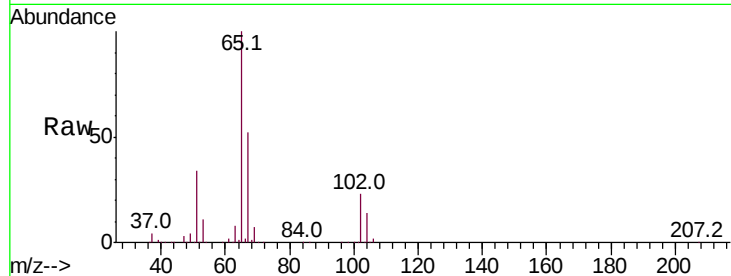
FB01-20201118

Tot Ion: 65 Resp: 189666

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

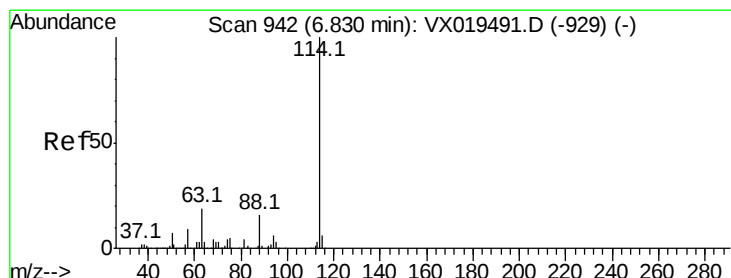
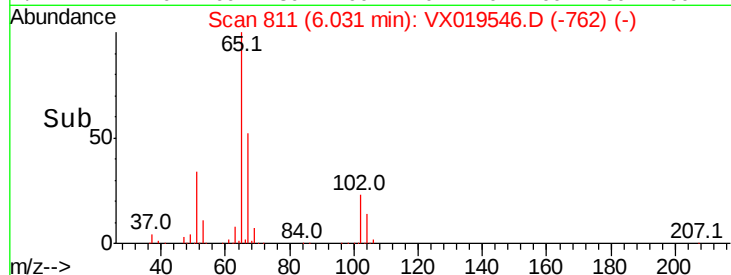
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

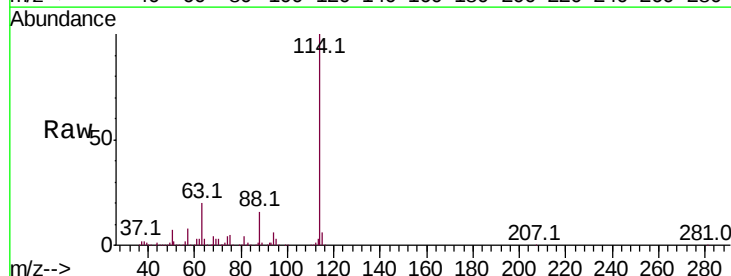
Tgt Ion: 114 Resp: 514391

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

300000

250000

200000

150000

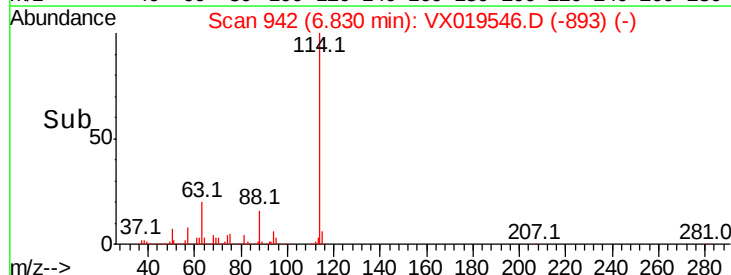
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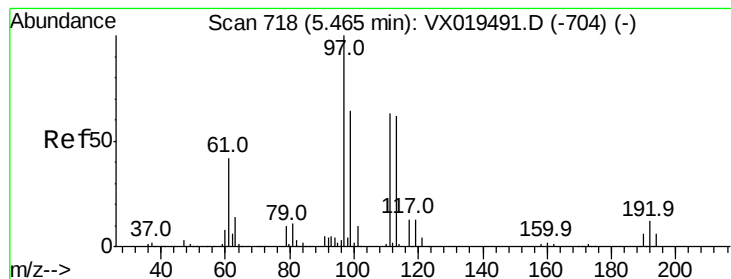
50000

0

6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 47.279 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

FB01-20201118

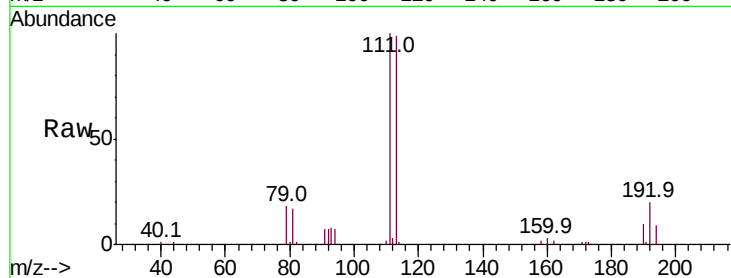
Tot Ion:113 Resp: 152656

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

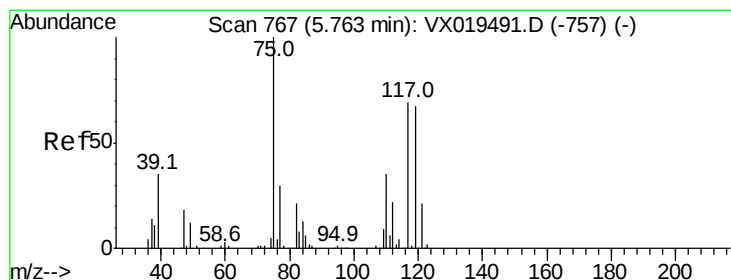
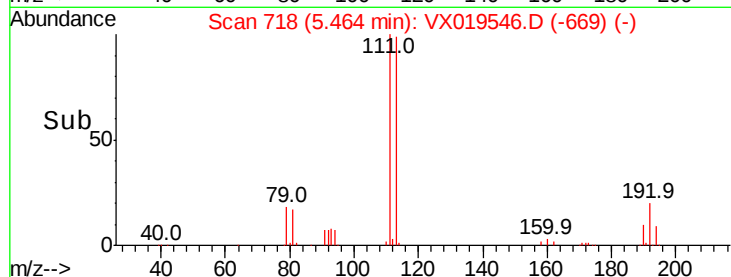
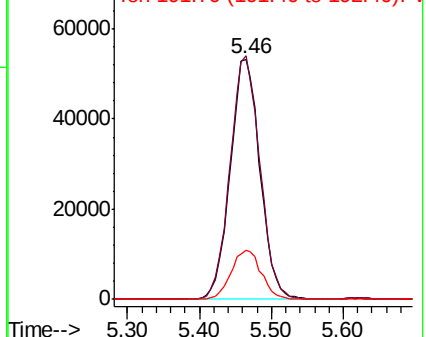
192 20.7 16.2 24.2



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: 4.870 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

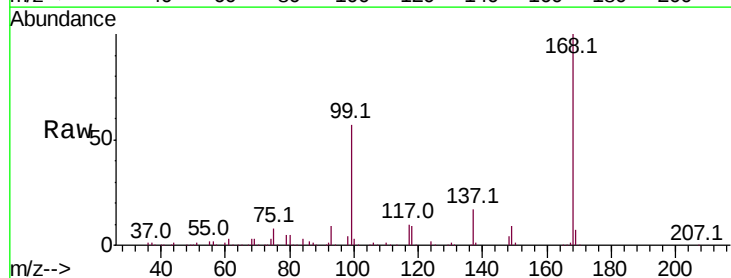
Tgt Ion: 75 Resp: 23486

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

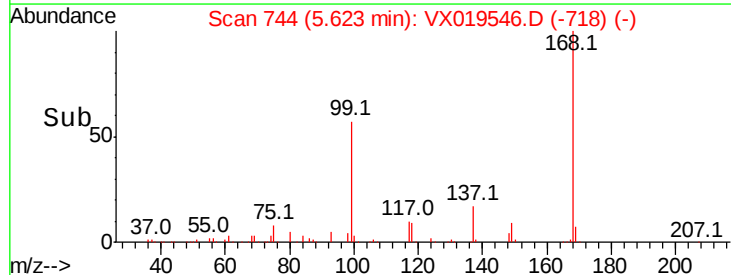
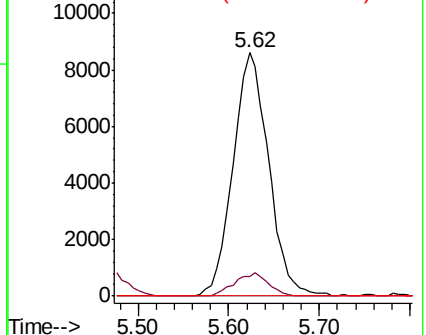
77 0.0 24.2 36.4#

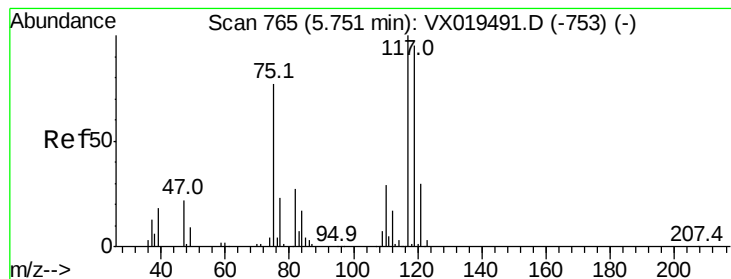


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.616 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

FB01-20201118

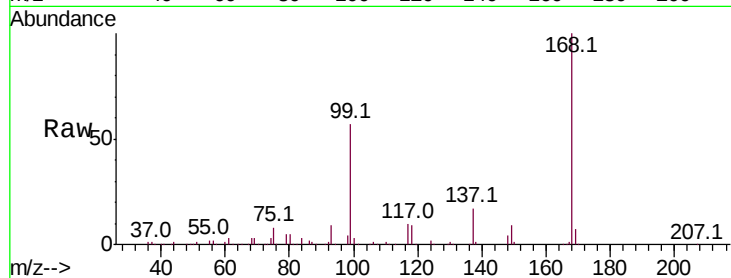
Tot Ion:117 Resp: 30880

Ion Ratio Lower Upper

117 100

119 5.0 75.9 113.9#

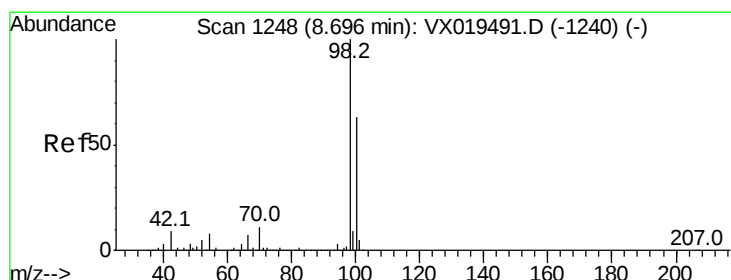
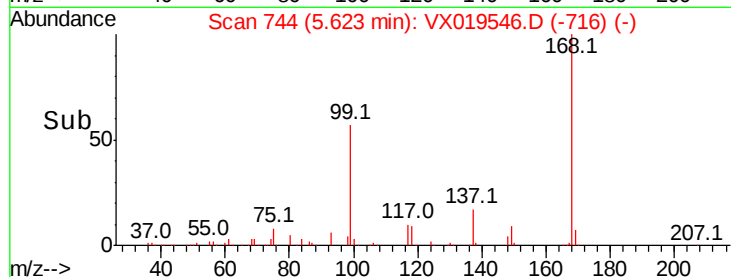
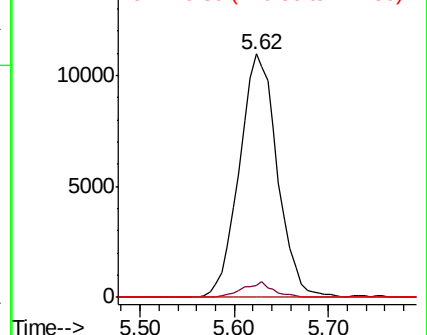
121 0.0 24.0 36.0#



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: 47.280 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019546.D

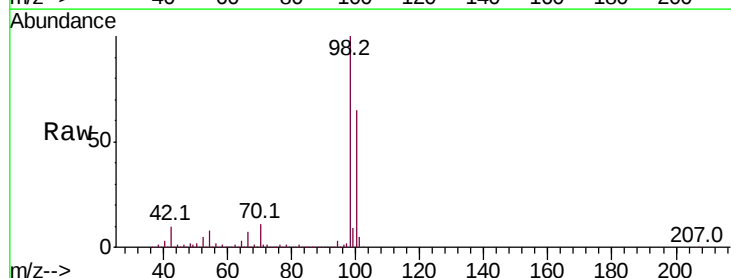
Acq: 23 Nov 2020 13:31

Tgt Ion: 98 Resp: 593222

Ion Ratio Lower Upper

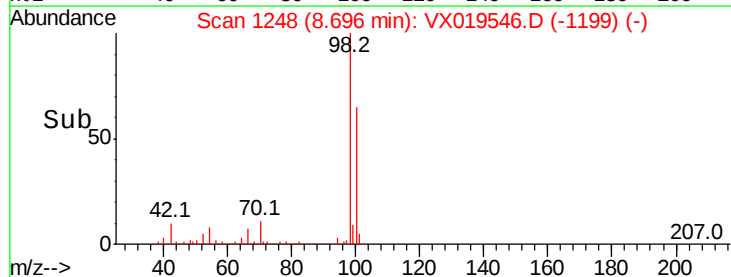
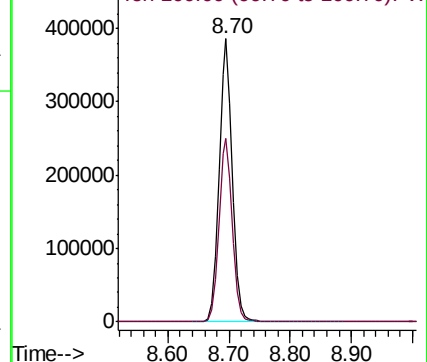
98 100

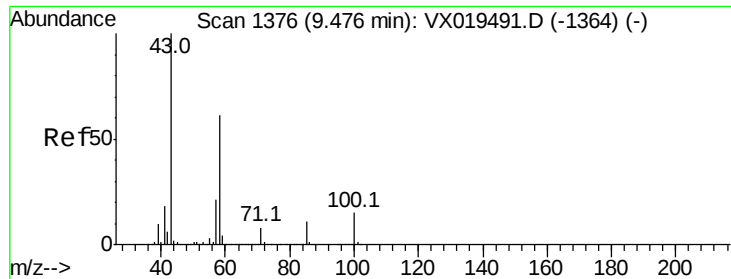
100 66.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

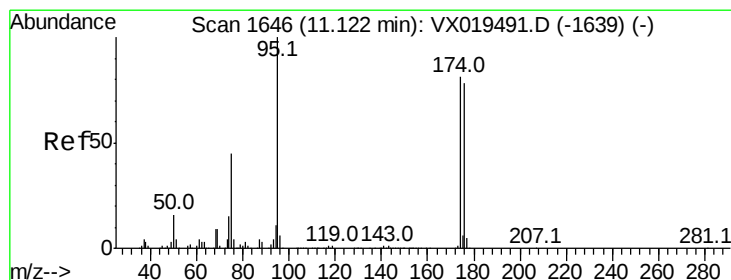
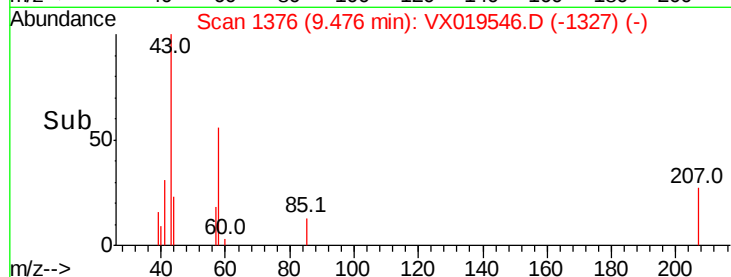
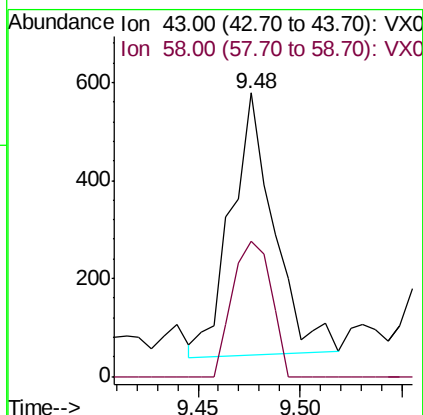
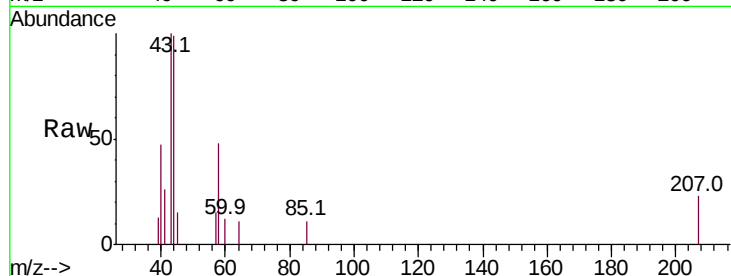




#59
2-Hexanone
Concen: 0.233 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019546.D
Acq: 23 Nov 2020 13:31

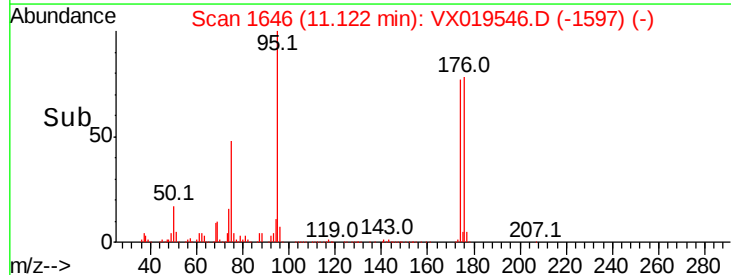
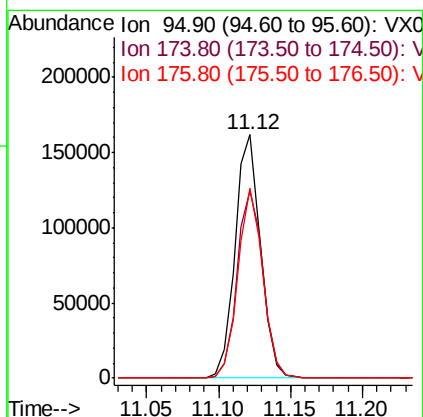
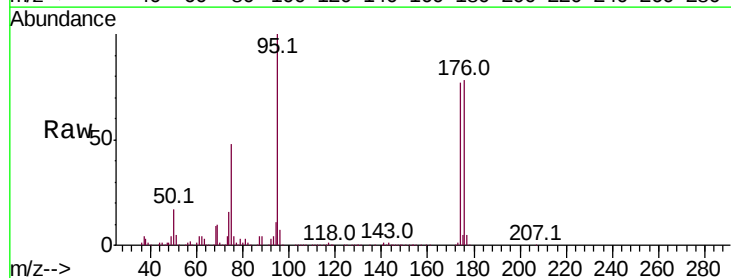
Instrument :
MSVOA_X
ClientSampleId :
FB01-20201118

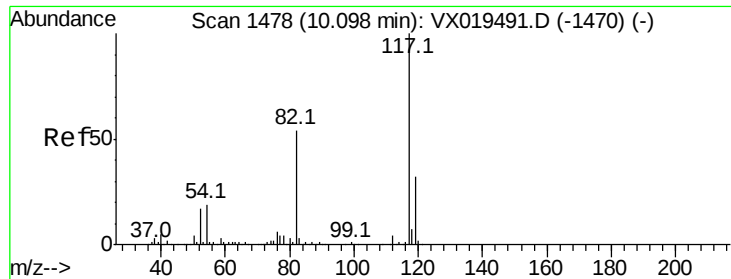
Tot Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
58 46.6 30.6 91.6



#62
4-Bromofluorobenzene
Concen: 44.332 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019546.D
Acq: 23 Nov 2020 13:31

Tgt Ion: 95 Resp: 200124
Ion Ratio Lower Upper
95 100
174 78.6 0.0 156.2
176 75.8 0.0 151.4

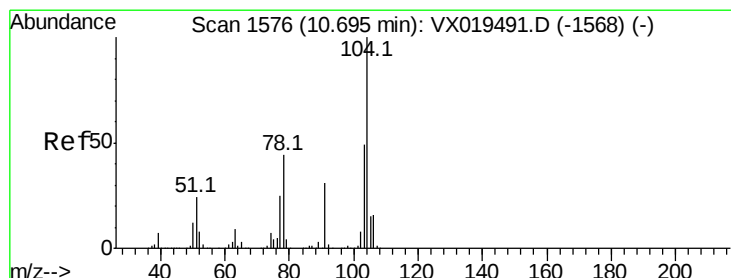
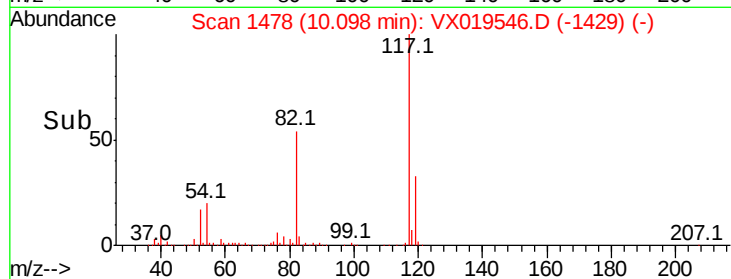
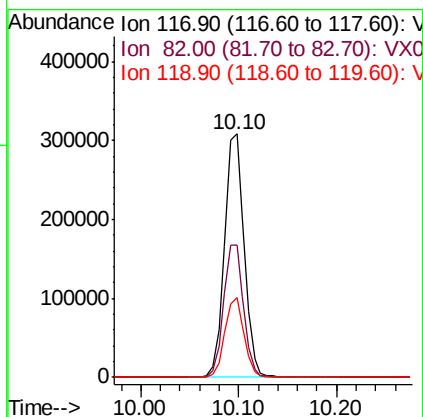
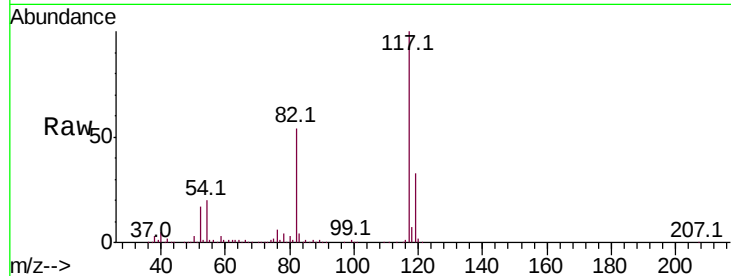




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019546.D
Acq: 23 Nov 2020 13:31

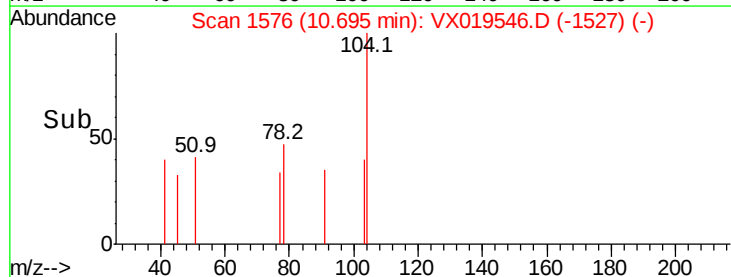
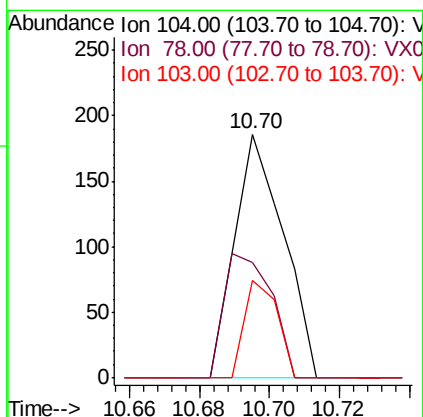
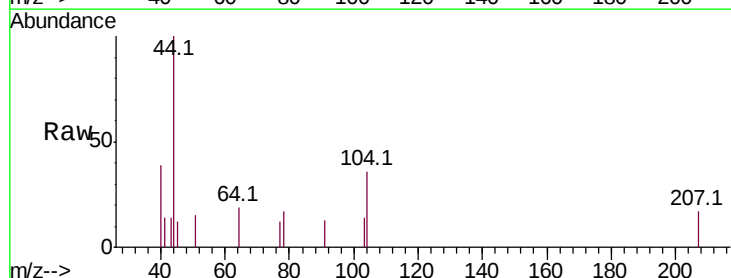
Instrument :
MSVOA_X
ClientSampleId :
FB01-20201118

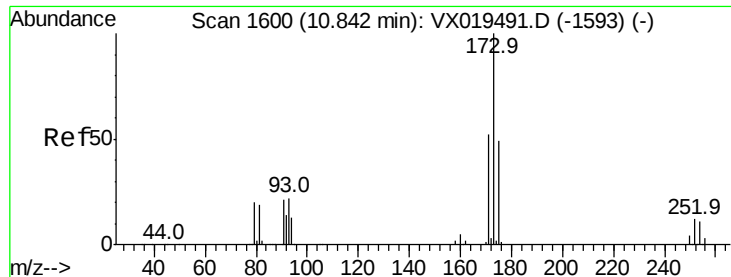
Tot Ion:117 Resp: 429445
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.8 25.6 38.4



#70
Styrene
Concen: 1.663 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019546.D
Acq: 23 Nov 2020 13:31

Tgt Ion:104 Resp: 182
Ion Ratio Lower Upper
104 100
78 49.5 39.5 59.3
103 26.9 43.6 65.4#





#71

Bromoform

Concen: 3.614 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

FB01-20201118

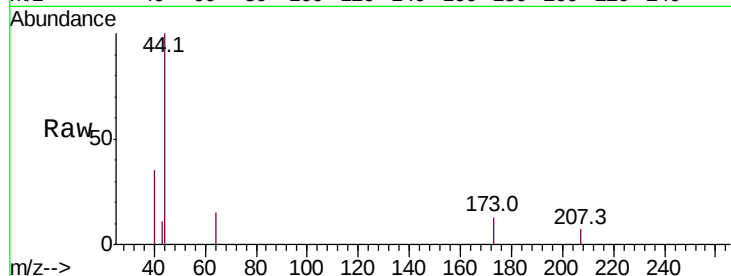
Tot Ion:173 Resp: 32

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.8#

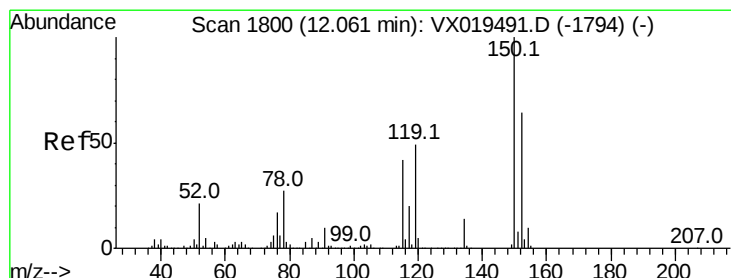
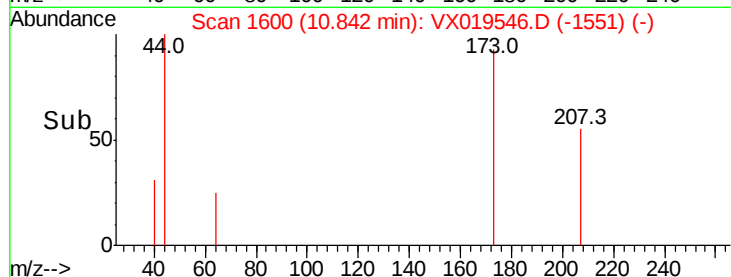
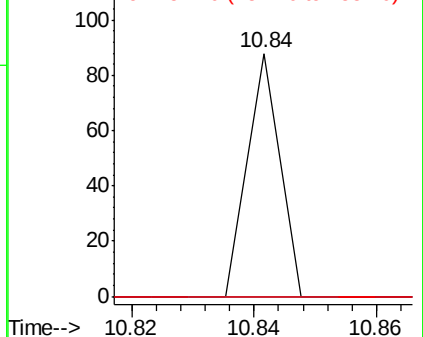
254 0.0 0.1 0.1#



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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

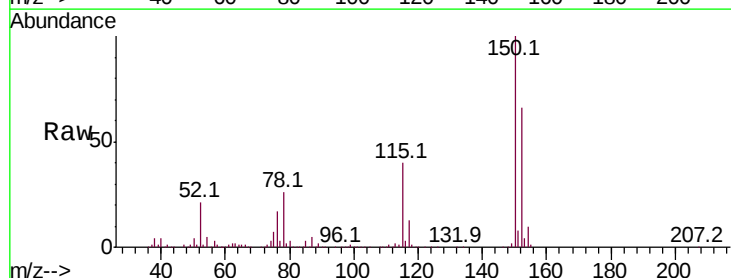
Tgt Ion:152 Resp: 180984

Ion Ratio Lower Upper

152 100

115 59.6 41.8 125.4

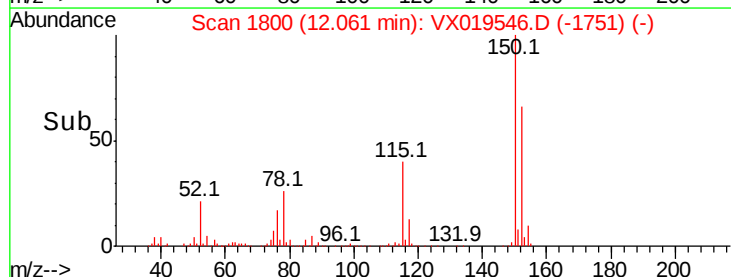
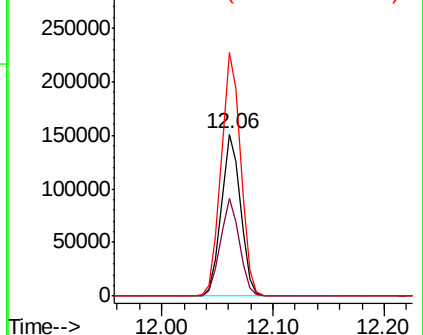
150 153.3 0.0 348.2

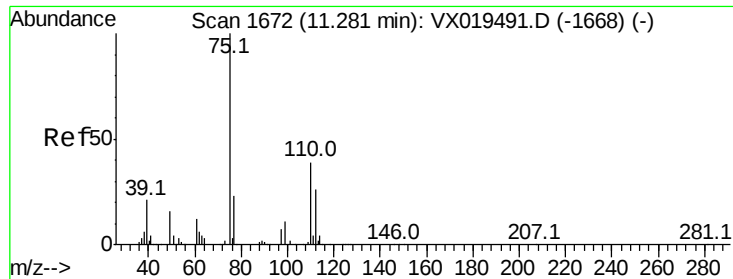


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.660 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

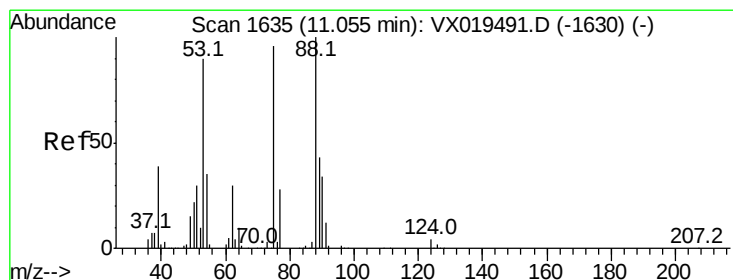
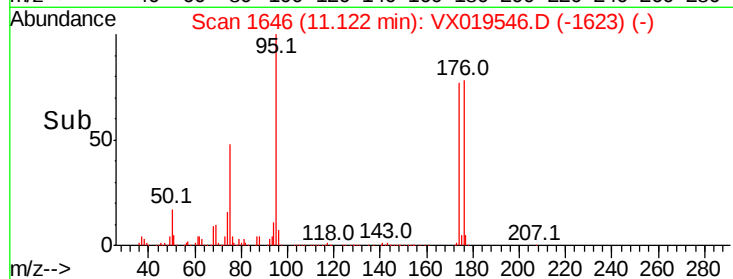
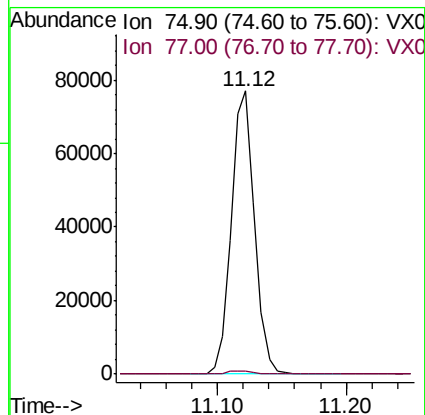
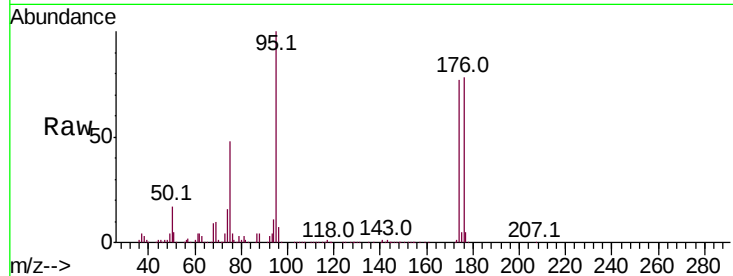
FB01-20201118

Tot Ion: 75 Resp: 97400

Ion Ratio Lower Upper

75 100

77 1.2 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.199 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

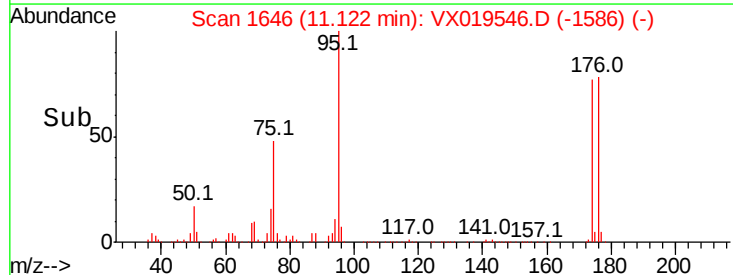
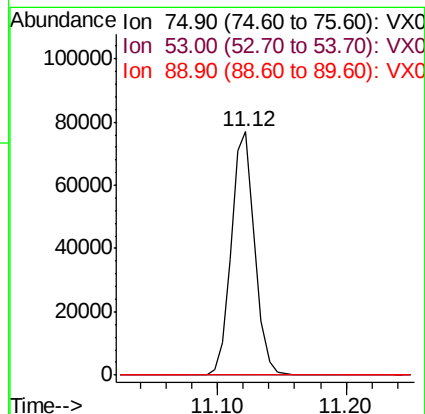
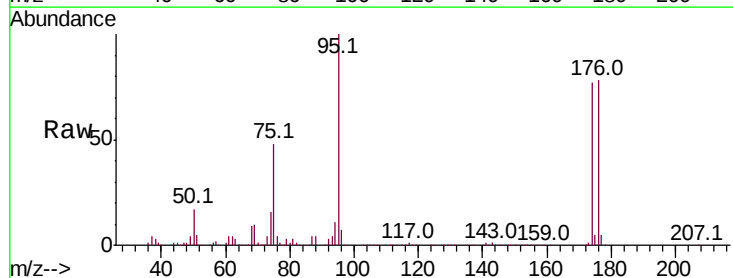
Tgt Ion: 75 Resp: 97400

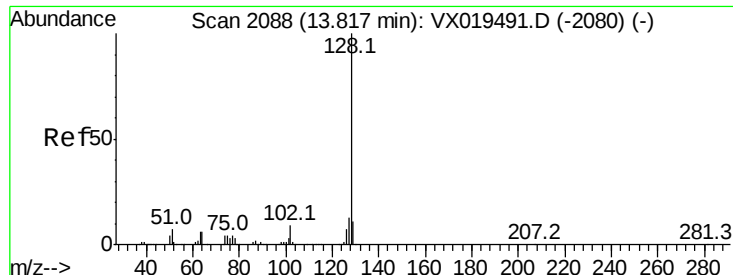
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.220 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019546.D

Acq: 23 Nov 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

FB01-20201118

Tot Ion:128 Resp: 583

Ion Ratio Lower Upper

128 100

127 9.6 10.3 15.5#

129 0.0 8.7 13.1#

