

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018447.D
 Acq On : 16 Sep 2020 17:59
 Operator : JC/SP
 Sample : L4021-01 20X
 Misc : 9.44g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B14-1-3

Quant Time: Sep 17 04:23:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	512524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	798975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	779801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	413850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	348652	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	5.46	113	274020	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	8.70	98	976328	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.12	95	394908	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

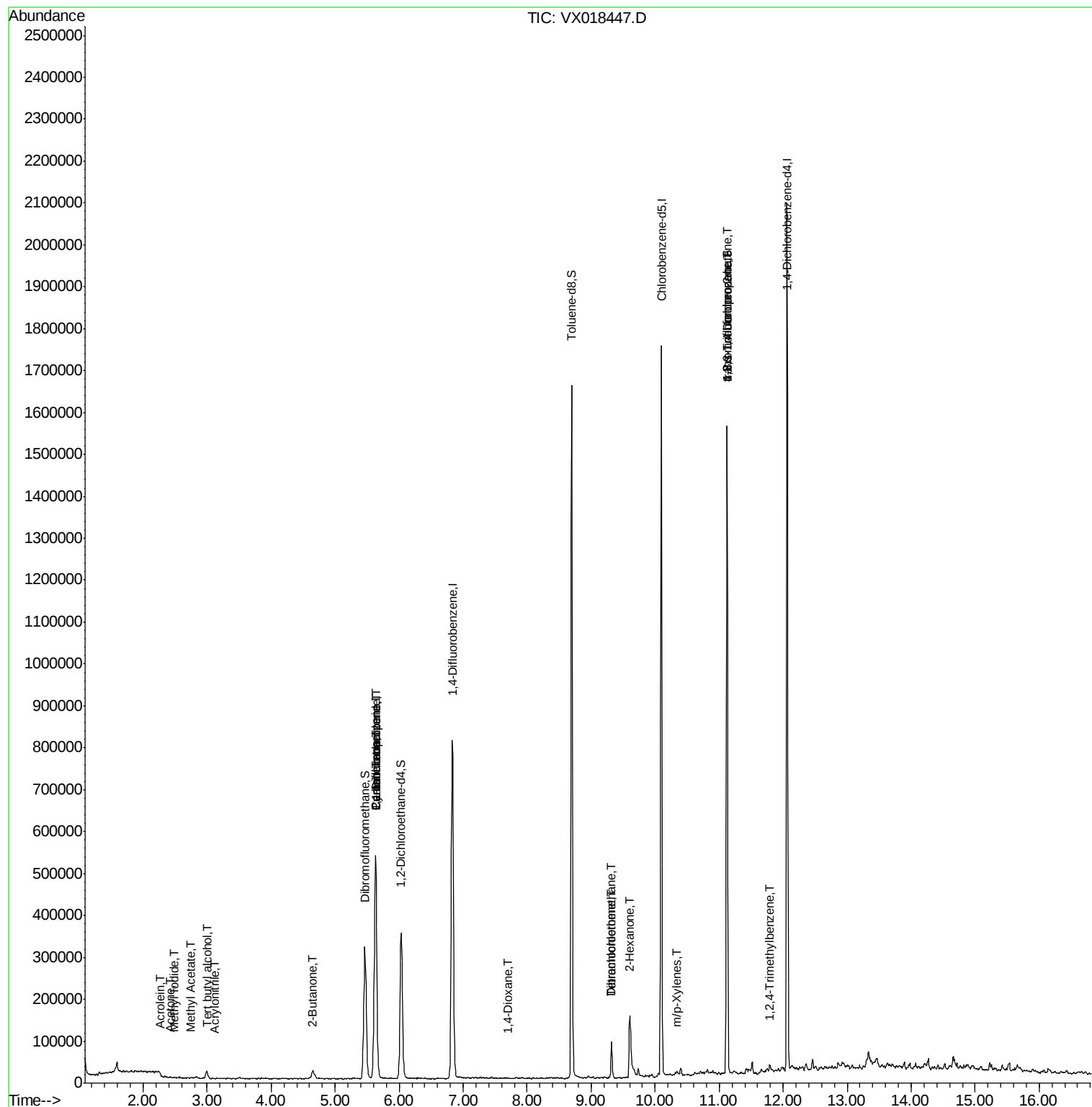
						Qvalue
10) Methyl Iodide	2.48	142	595	5.390	ug/l #	77
11) Tert butyl alcohol	3.00	59	9828	7.104	ug/l #	76
13) Acrolein	2.27	56	422	0.736	ug/l #	14
15) Acrylonitrile	3.12	53	683	0.218	ug/l #	80
16) Acetone	2.42	43	3484	1.257	ug/l #	81
18) Methyl Acetate	2.75	43	2096	0.313	ug/l #	89
20) Methylene Chloride	2.83	84	1796	Below Cal		89
25) 2-Butanone	4.64	43	2666	0.585	ug/l	99
31) Cyclohexane	5.63	56	11100	1.303	ug/l #	15
36) 1,1-Dichloropropene	5.64	75	39418	5.349	ug/l #	47
38) Carbon Tetrachloride	5.64	117	52051	6.268	ug/l #	17
49) 1,4-Dioxane	7.70	88	150	1.203	ug/l #	1
59) 2-Hexanone	9.60	43	42705	6.577	ug/l #	40
60) Dibromochloromethane	9.32	129	16190	2.357	ug/l #	11
64) Tetrachloroethene	9.32	164	16276	2.840	ug/l	94
68) m/p-Xylenes	10.35	106	2306	0.233	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	200239	21.750	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	200239	58.744	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	5739	0.250	ug/l	92

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

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B14-1-3

Quant Time: Sep 17 04:23:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

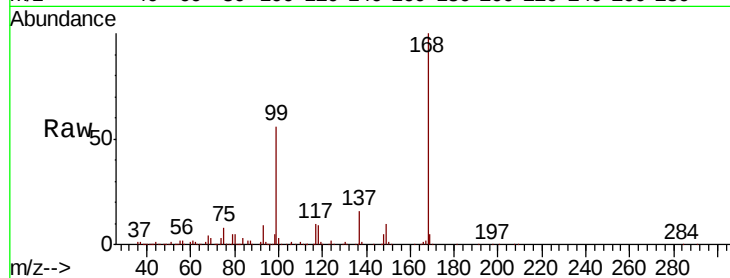
B14-1-3

Tot Ion:168 Resp: 512524

Ion Ratio Lower Upper

168 100

99 56.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

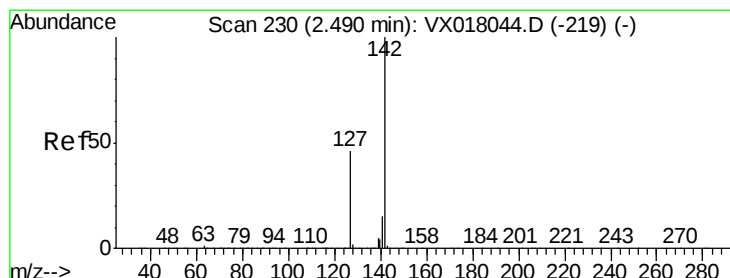
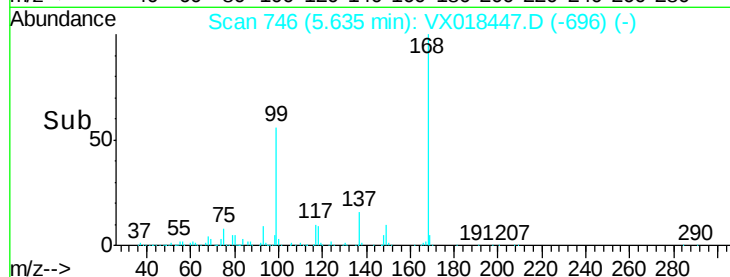
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.390 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

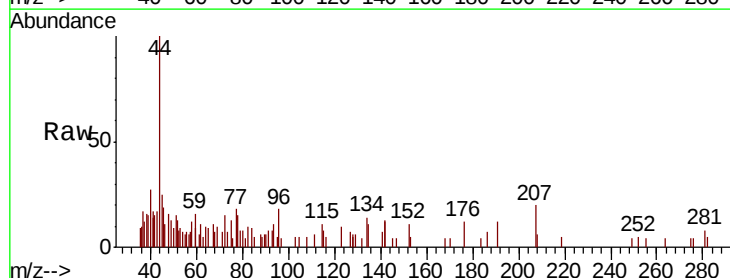
Tgt Ion:142 Resp: 595

Ion Ratio Lower Upper

142 100

127 28.2 37.0 55.6#

141 9.9 11.5 17.3#



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

2.48

400

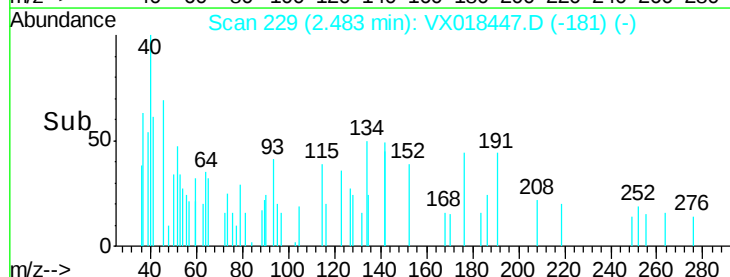
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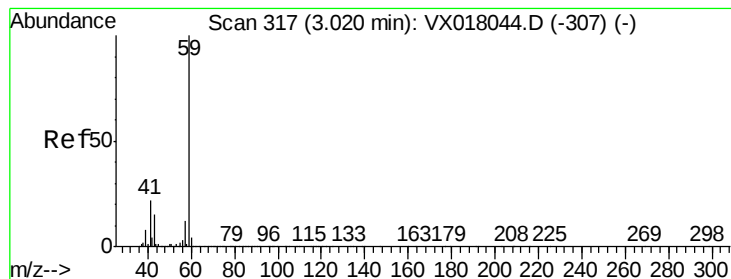
200

100

0

Time-->



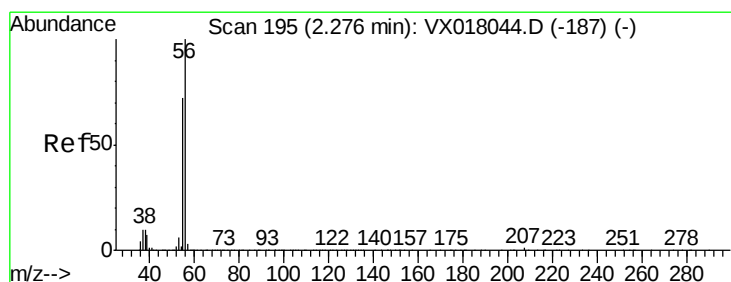
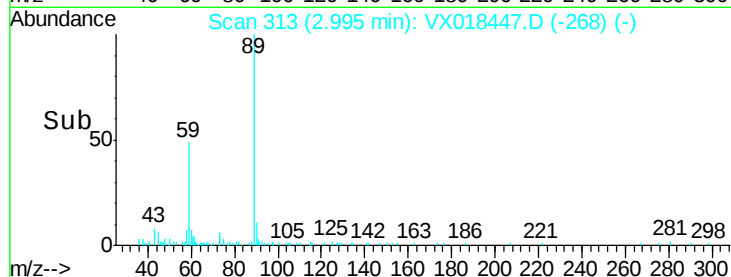
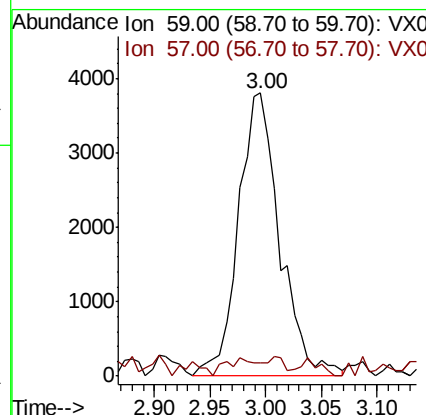
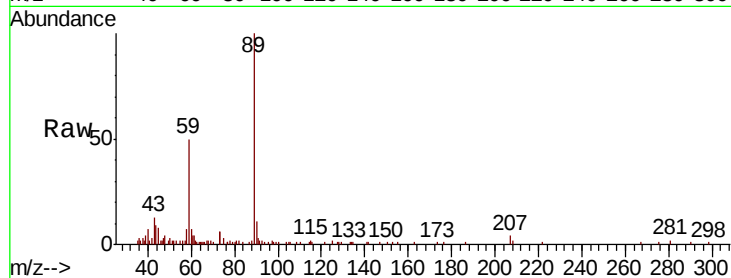


#11

Tert butyl alcohol
Concen: 7.104 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
B14-1-3

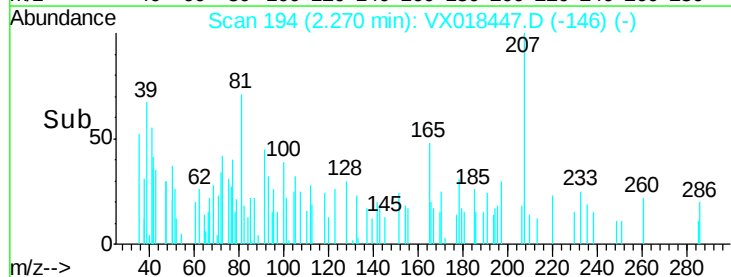
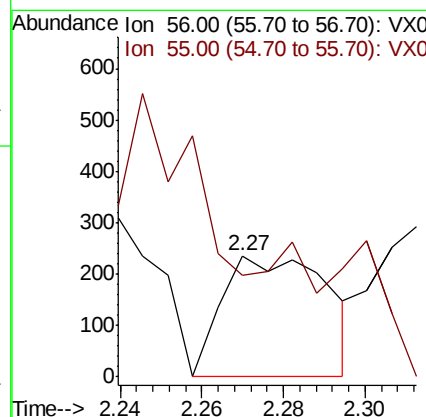
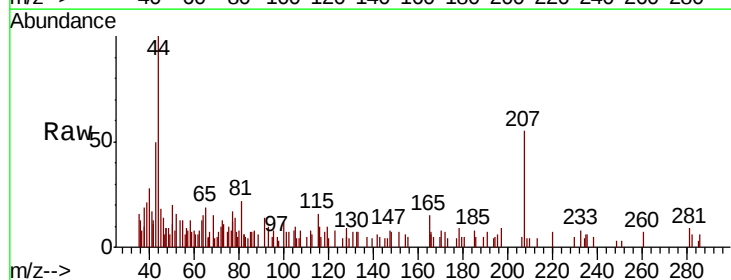
Tot Ion: 59 Resp: 9828
Ion Ratio Lower Upper
59 100
57 2.0 8.9 13.3#

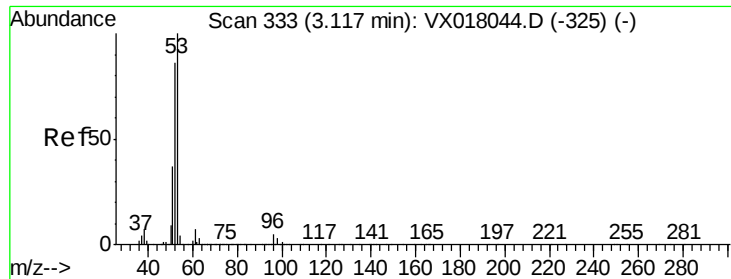


#13

Acrolein
Concen: 0.736 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Tgt Ion: 56 Resp: 422
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#15

Acrylonitrile

Concen: 0.218 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

B14-1-3

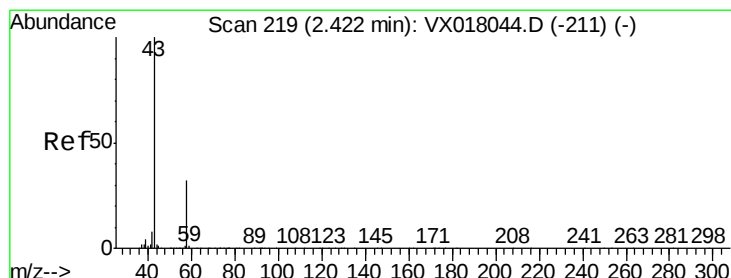
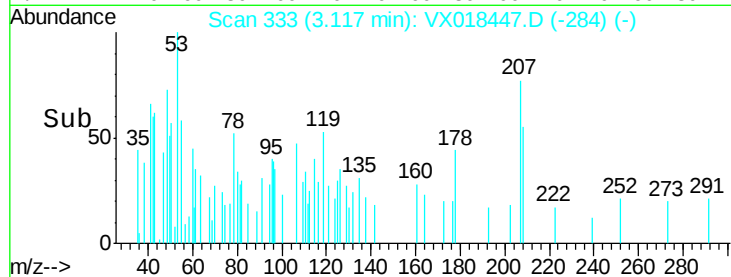
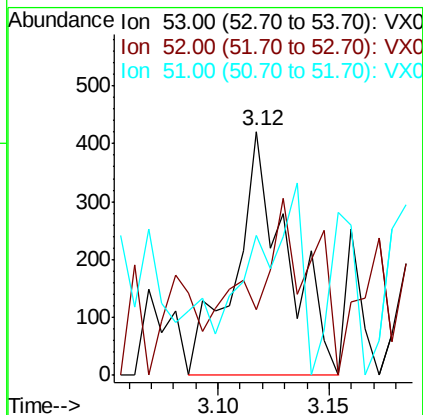
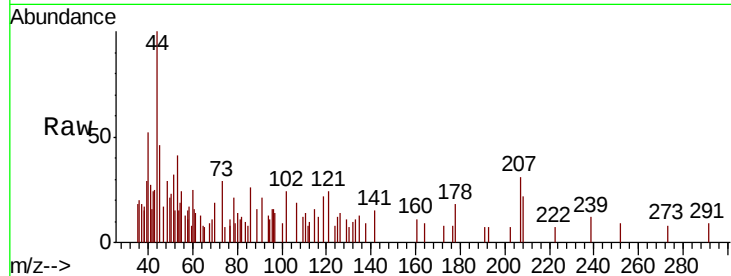
Tot Ion: 53 Resp: 683

Ion Ratio Lower Upper

53 100

52 86.7 66.9 100.3

51 69.4 28.7 43.1#



#16

Acetone

Concen: 1.257 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018447.D

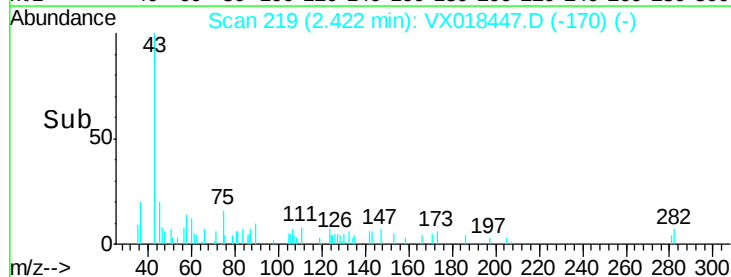
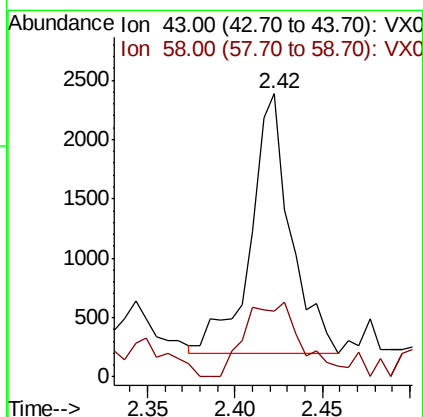
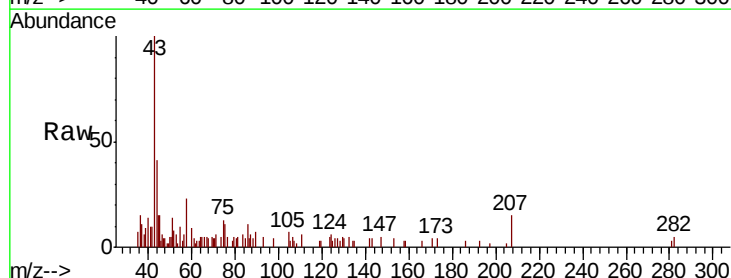
Acq: 16 Sep 2020 17:59

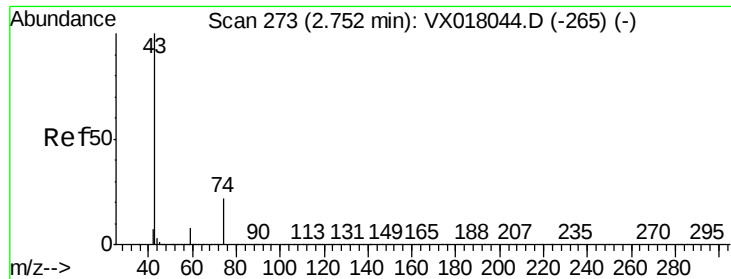
Tgt Ion: 43 Resp: 3484

Ion Ratio Lower Upper

43 100

58 21.6 25.5 38.3#

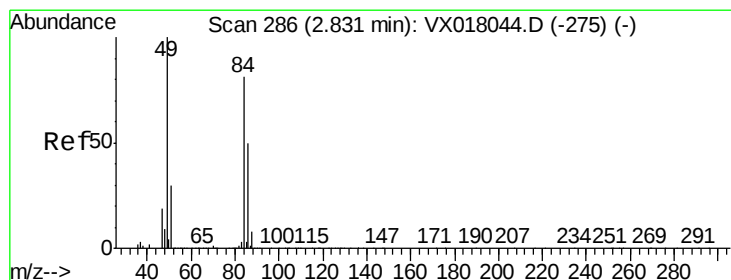
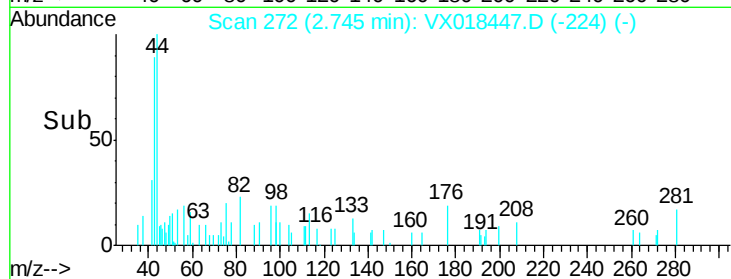
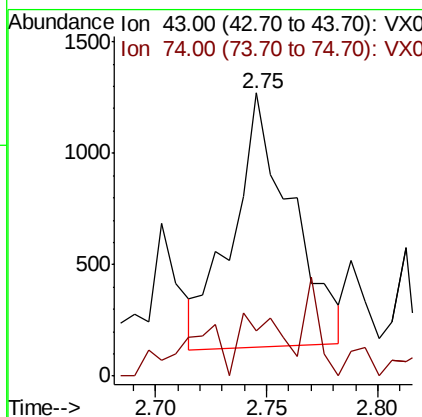
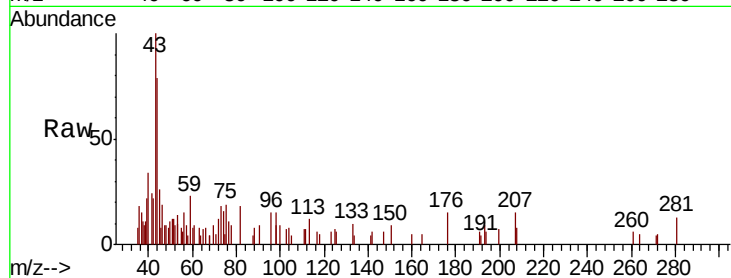




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

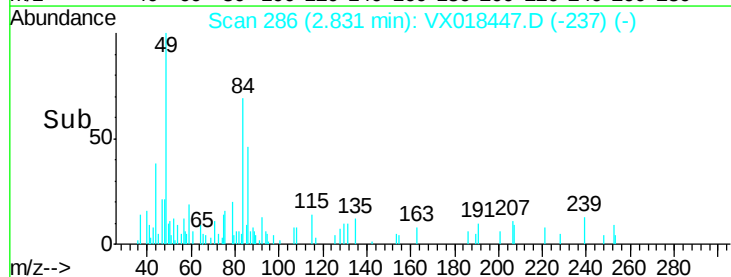
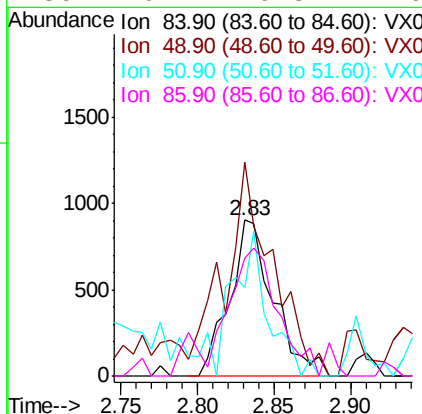
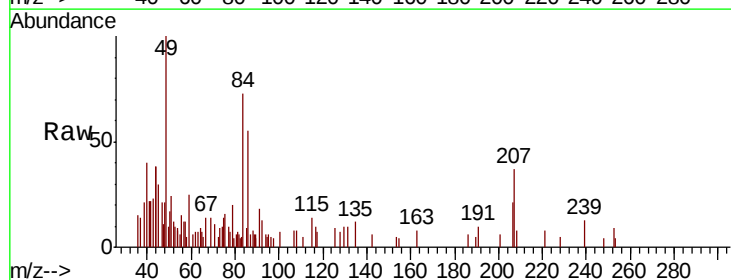
Instrument :
MSVOA_X
ClientSampled :
B14-1-3

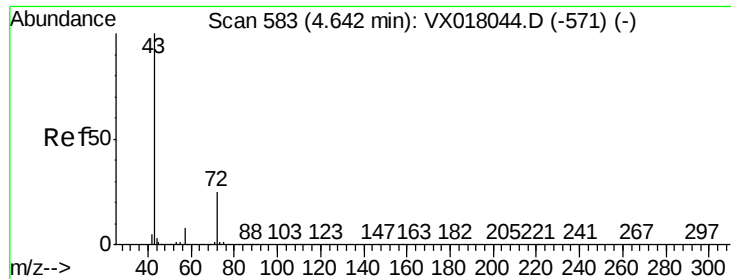
Tot Ion: 43 Resp: 2096
Ion Ratio Lower Upper
43 100
74 17.7 18.2 27.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Tgt Ion: 84 Resp: 1796
Ion Ratio Lower Upper
84 100
49 136.9 98.6 148.0
51 43.5 29.6 44.4
86 70.1 49.8 74.6

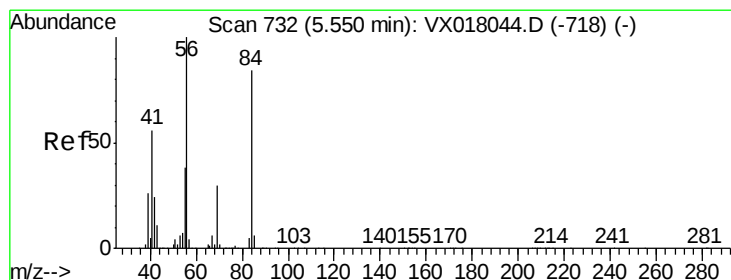
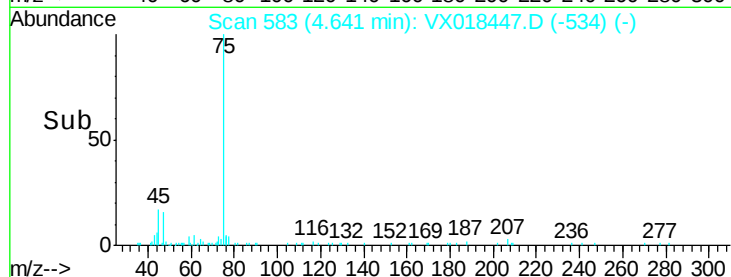
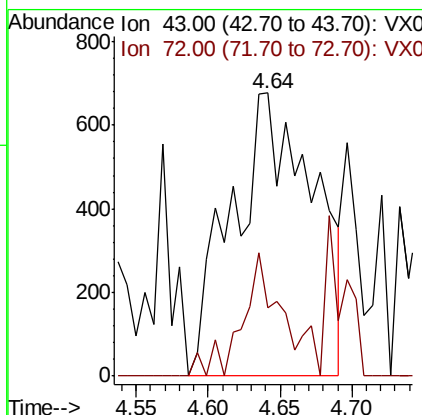
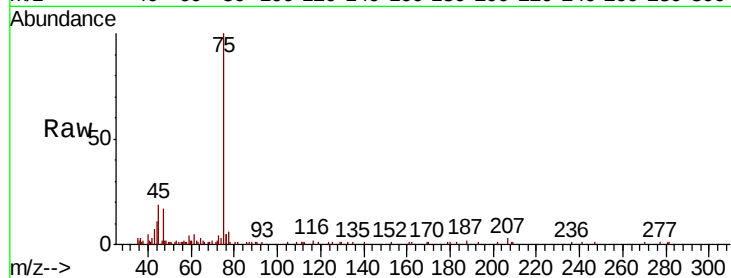




#25
2-Butanone
Concen: 0.585 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

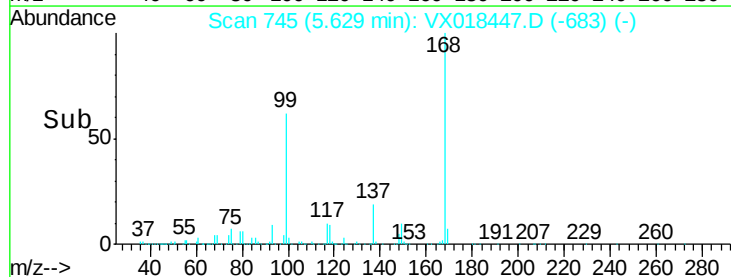
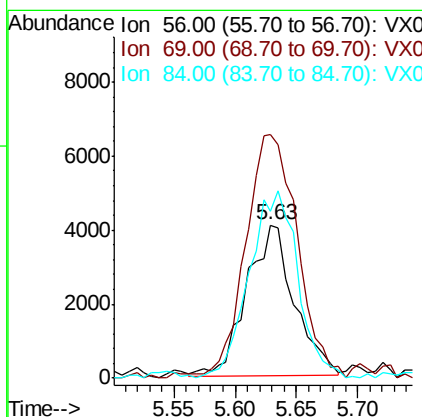
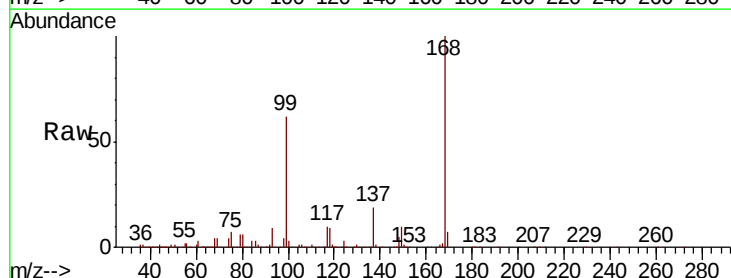
Instrument :
MSVOA_X
ClientSampleId :
B14-1-3

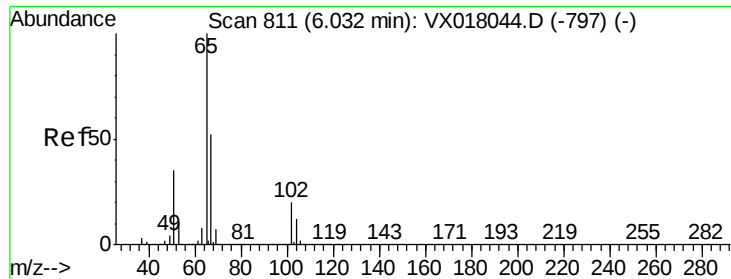
Tot Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
72 24.1 19.8 29.6



#31
Cyclohexane
Concen: 1.303 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Tgt Ion: 56 Resp: 11100
Ion Ratio Lower Upper
56 100
69 161.1 23.9 35.9#
84 109.6 67.0 100.4#





#33

1,2-Dichloroethane-d4

Concen: 49.001 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

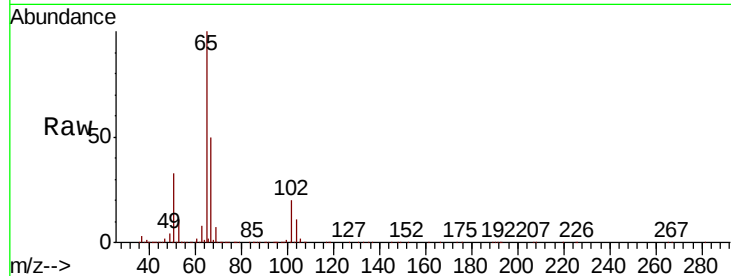
B14-1-3

Tot Ion: 65 Resp: 348652

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

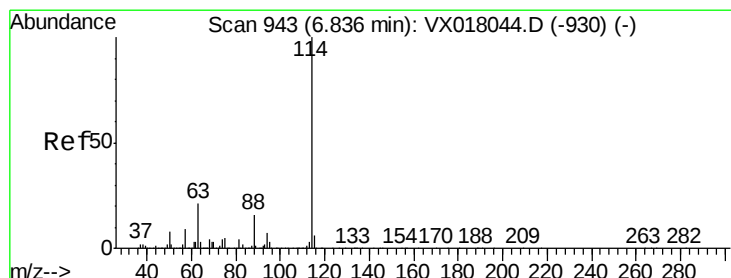
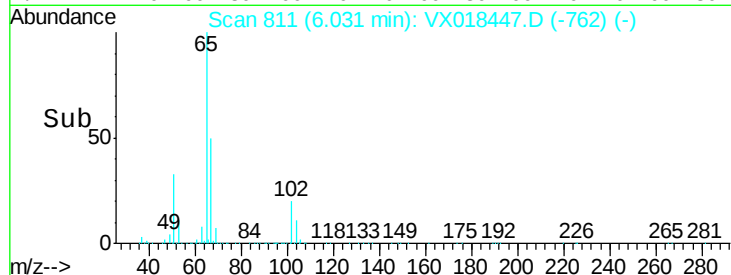
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

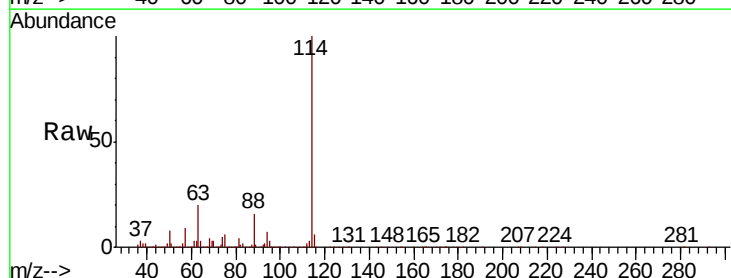
Tgt Ion: 114 Resp: 798975

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 15.7 0.0 31.8



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

6.83

400000

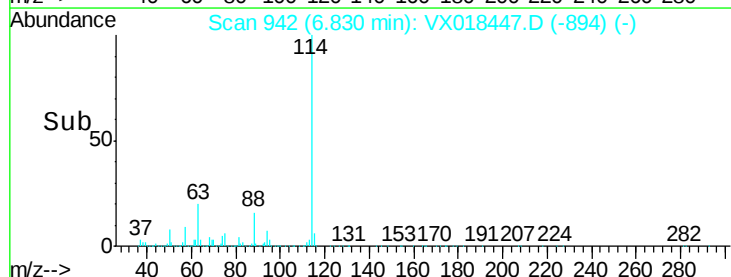
300000

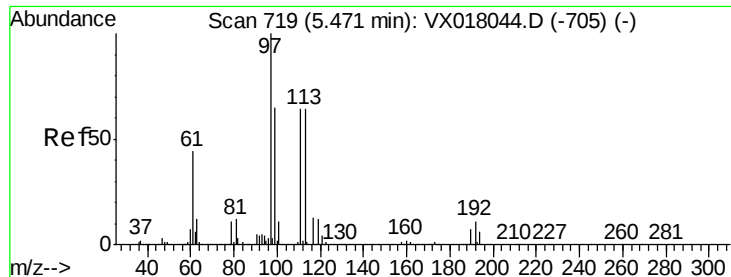
200000

100000

0

Time-->

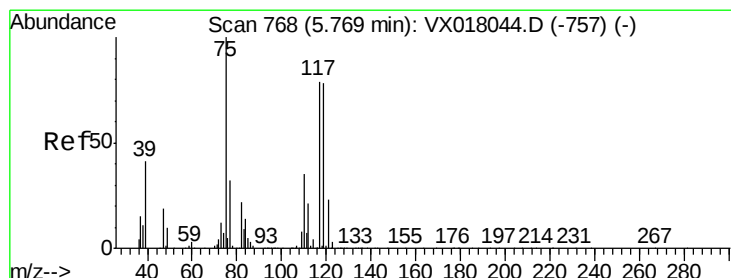
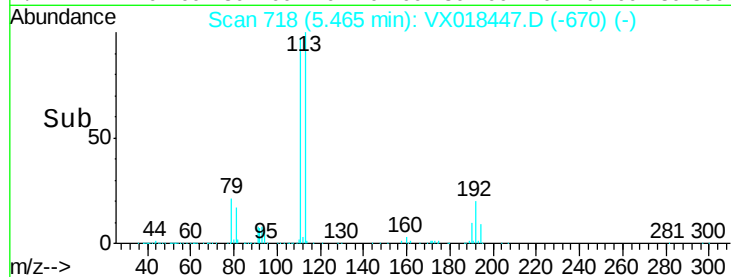
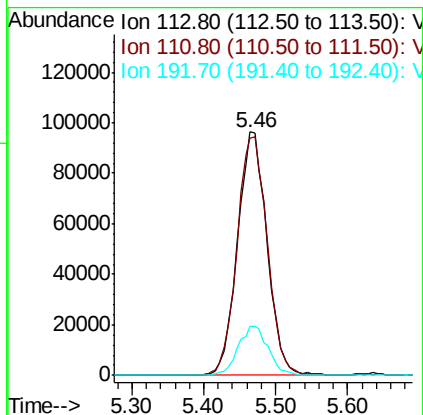
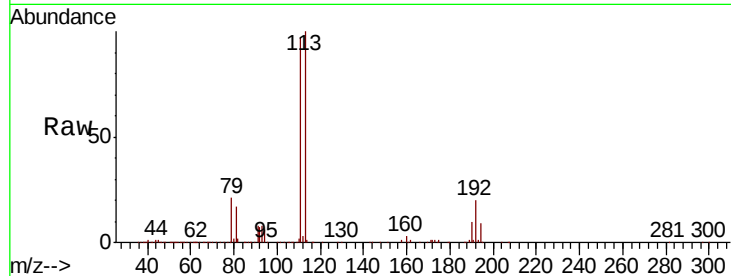




#35
Dibromofluoromethane
Concen: 50.358 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

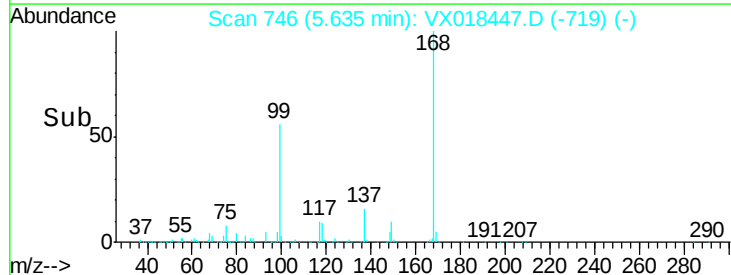
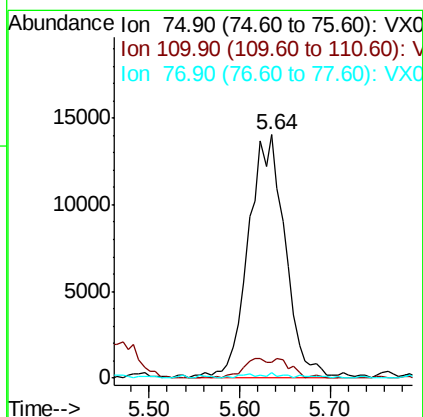
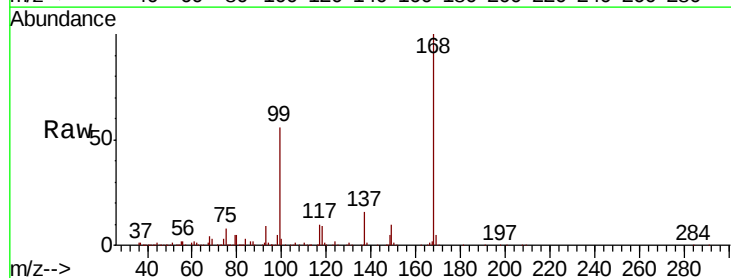
Instrument :
MSVOA_X
ClientSampleId :
B14-1-3

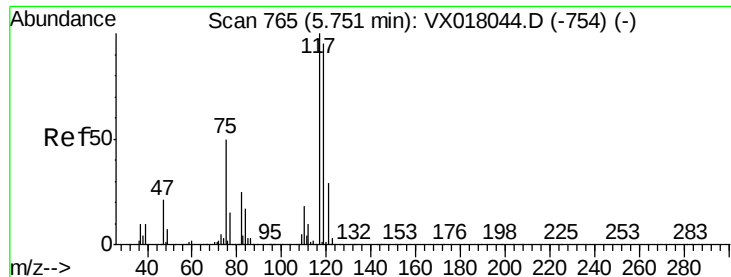
Tot Ion:113 Resp: 274020
Ion Ratio Lower Upper
113 100
111 100.5 81.6 122.4
192 20.5 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.349 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Tgt Ion: 75 Resp: 39418
Ion Ratio Lower Upper
75 100
110 5.1 18.0 54.0#
77 0.9 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

B14-1-3

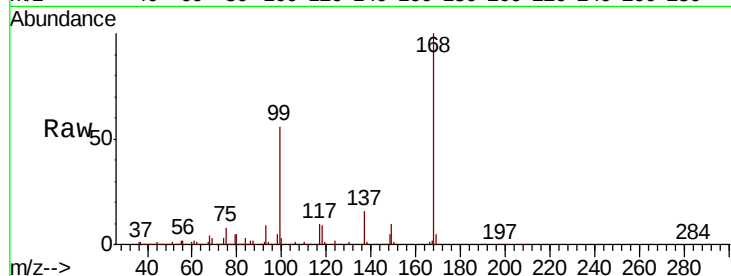
Tot Ion:117 Resp: 52051

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

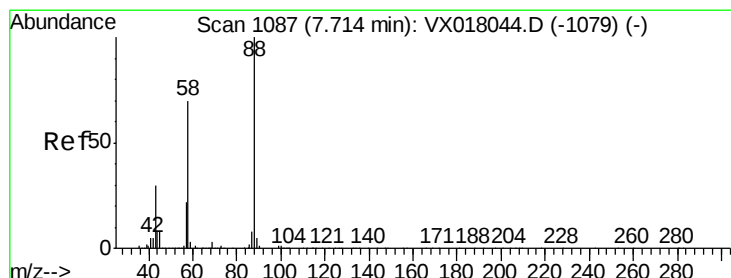
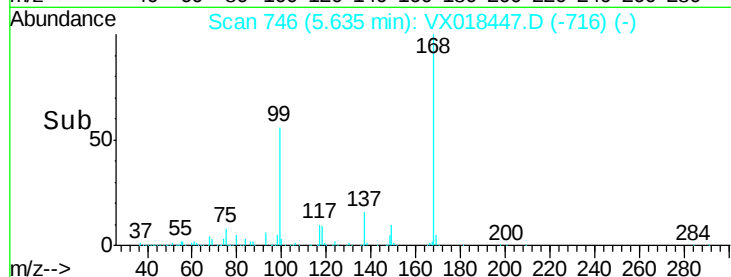
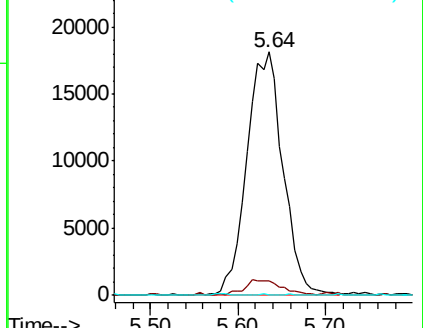
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 1.203 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

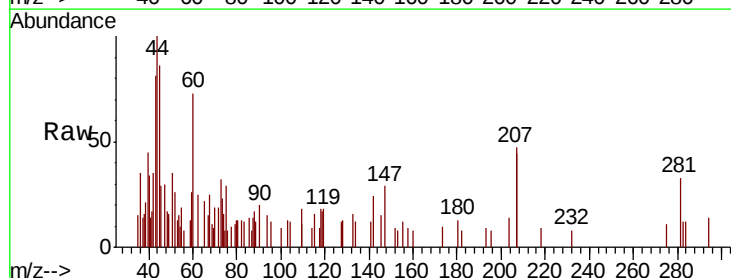
Tgt Ion: 88 Resp: 150

Ion Ratio Lower Upper

88 100

43 339.3 27.4 41.0#

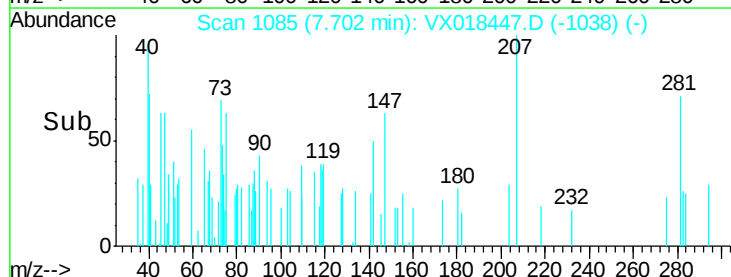
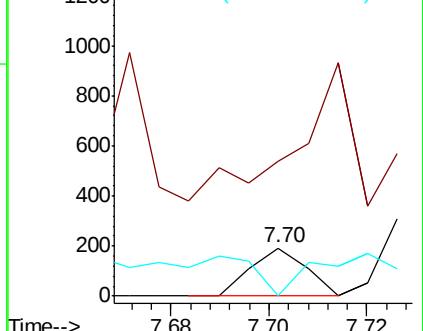
58 0.0 56.4 84.6#

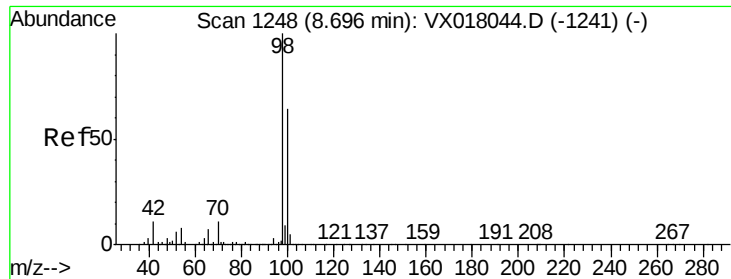


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.174 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

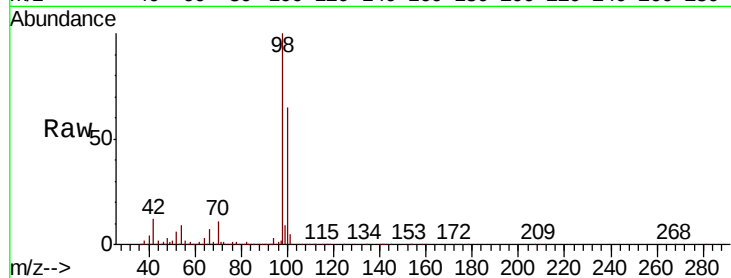
B14-1-3

Tot Ion: 98 Resp: 976328

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

600000

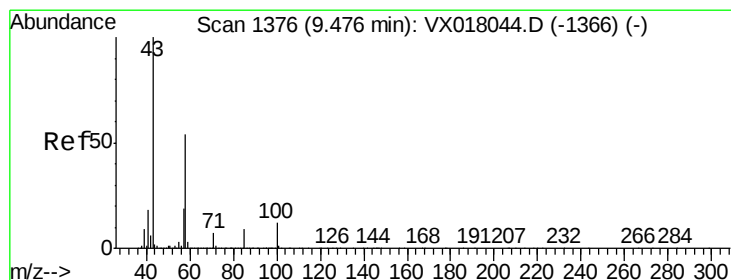
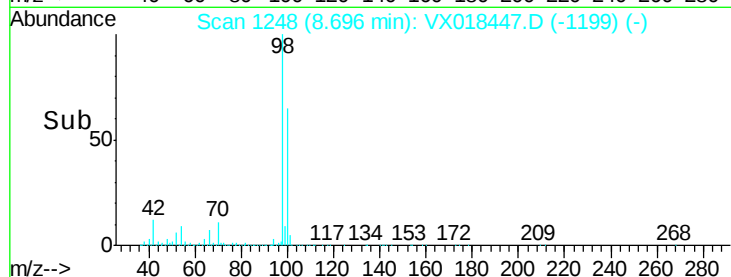
400000

200000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#59

2-Hexanone

Concen: 6.577 ug/l

RT: 9.60 min Scan# 1397

Delta R.T. 0.13 min

Lab File: VX018447.D

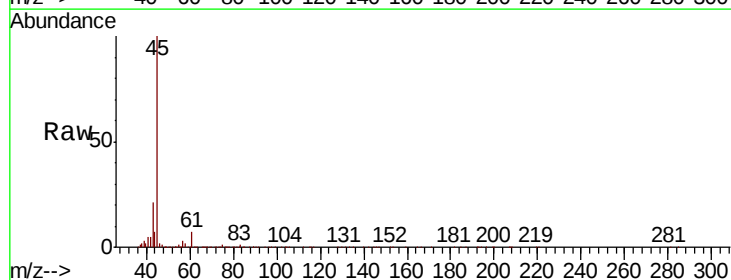
Acq: 16 Sep 2020 17:59

Tgt Ion: 43 Resp: 42705

Ion Ratio Lower Upper

43 100

58 10.4 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.60

20000

15000

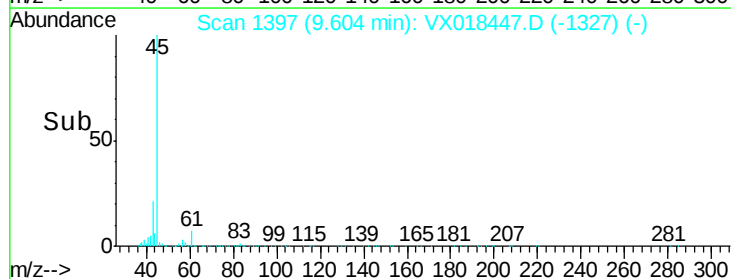
10000

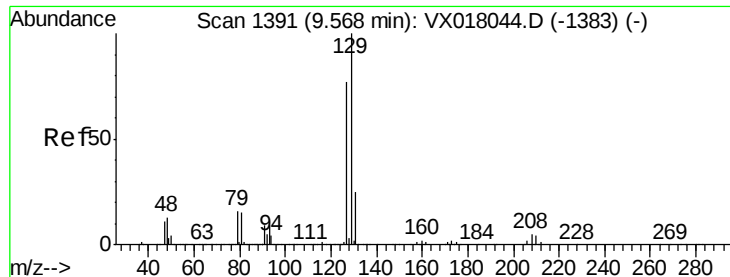
5000

0

9.55 9.60 9.65

Time-->





#60

Dibromochloromethane

Concen: 2.357 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

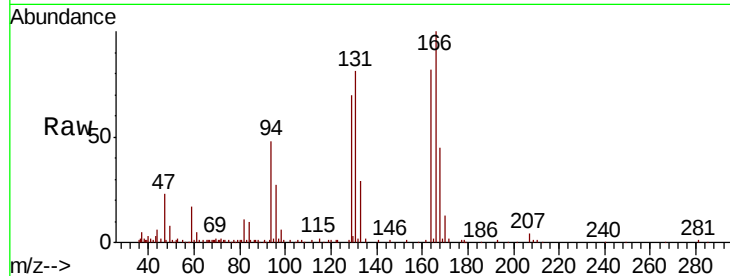
B14-1-3

Tot Ion:129 Resp: 16190

Ion Ratio Lower Upper

129 100

127 0.7 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

12000

10000

8000

6000

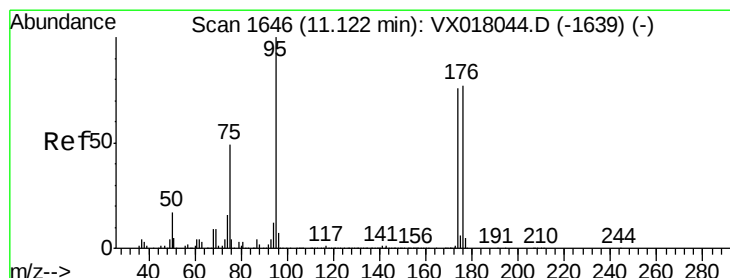
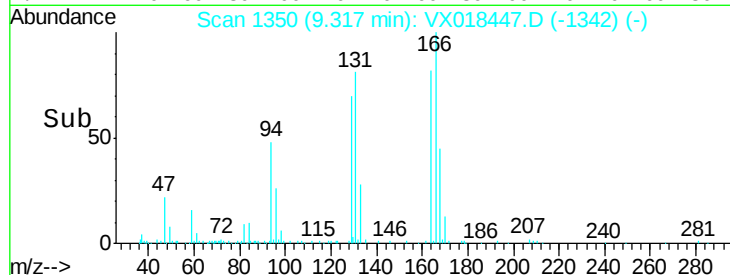
4000

2000

0

9.25 9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 49.526 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

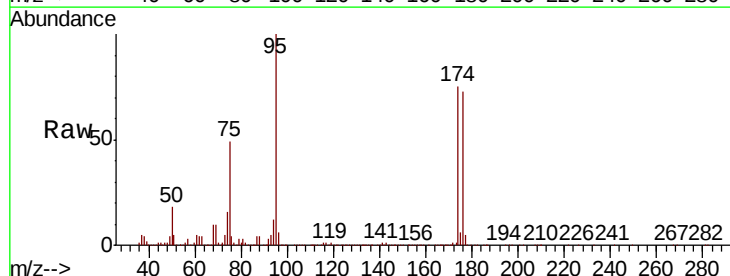
Tgt Ion: 95 Resp: 394908

Ion Ratio Lower Upper

95 100

174 78.4 0.0 160.2

176 77.5 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

400000

300000

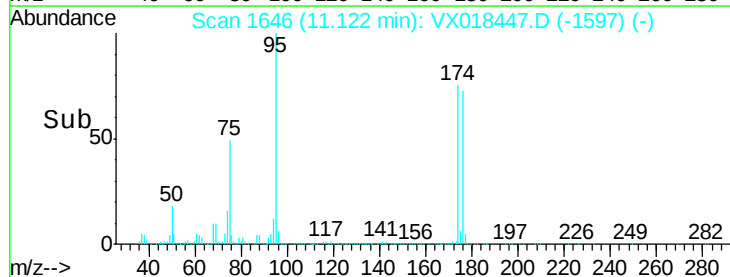
200000

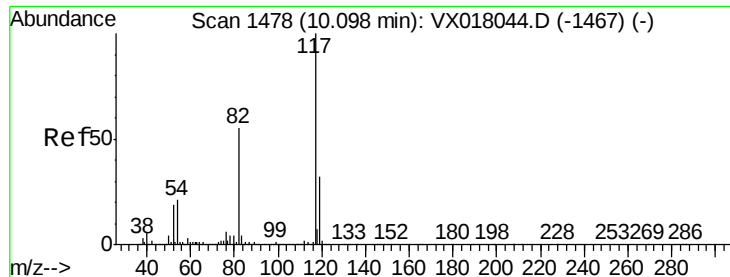
100000

0

11.05 11.10 11.15 11.20

Time-->

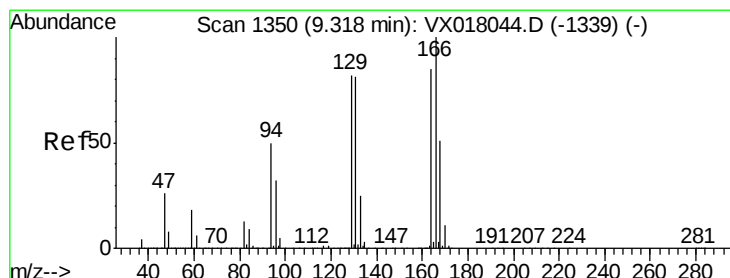
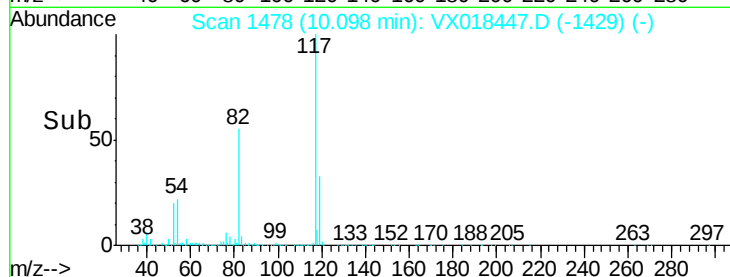
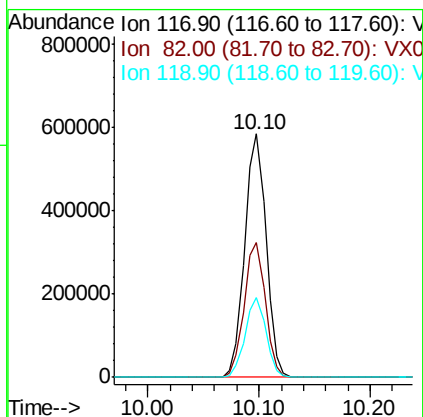
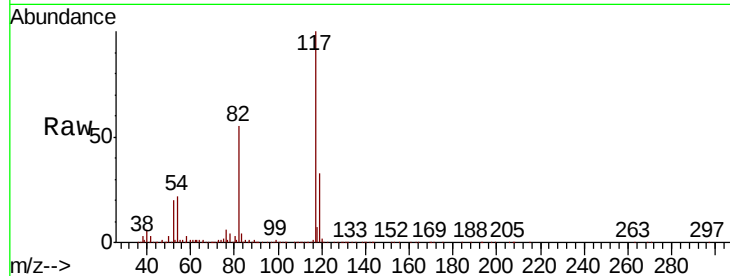




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

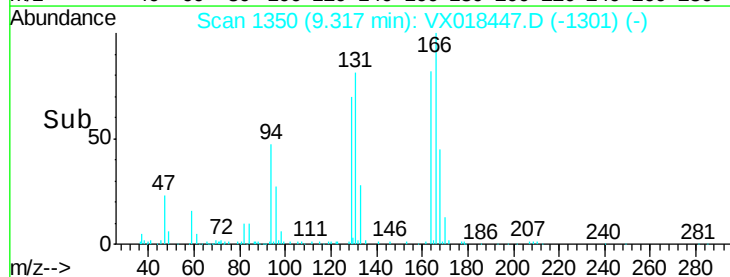
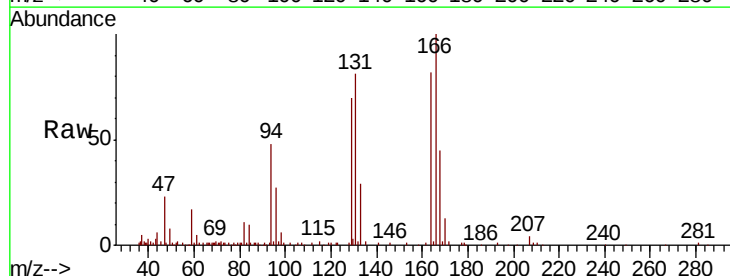
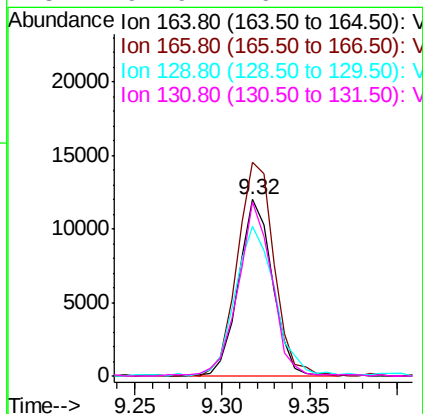
Instrument :
MSVOA_X
ClientSampleId :
B14-1-3

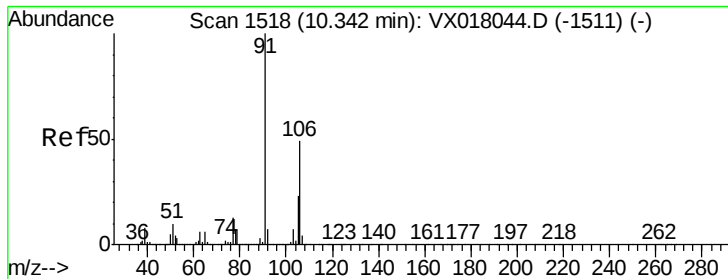
Tot Ion:117 Resp: 779801
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 2.840 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Tgt Ion:164 Resp: 16276
Ion Ratio Lower Upper
164 100
166 120.9 94.2 141.2
129 85.1 76.9 115.3
131 97.9 76.1 114.1

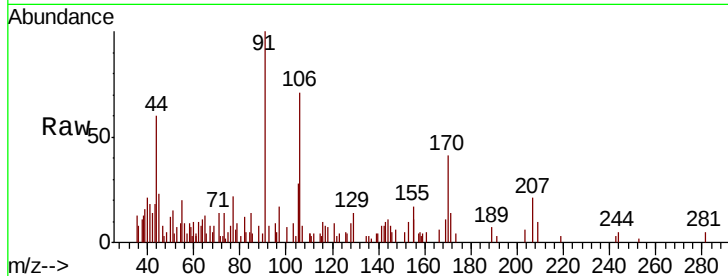




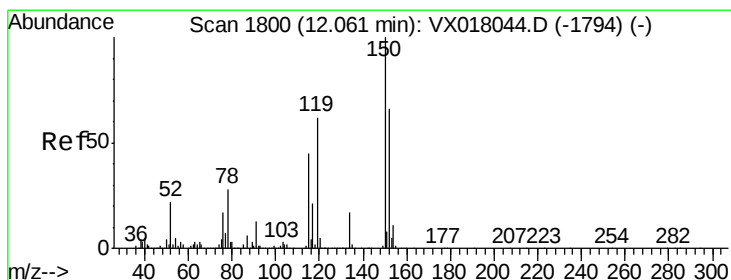
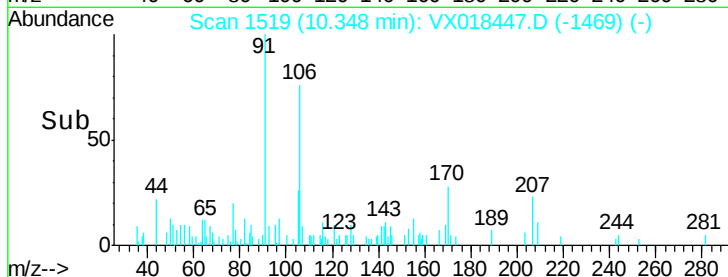
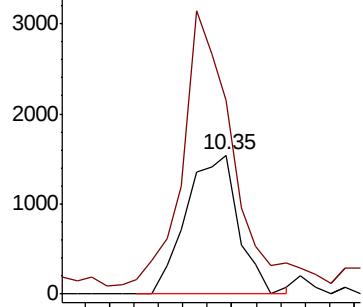
#68
m/p-Xvlenes
Concen: 0.233 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
B14-1-3

Tot Ion:106 Resp: 2306
Ion Ratio Lower Upper
106 100
91 187.9 162.2 243.2

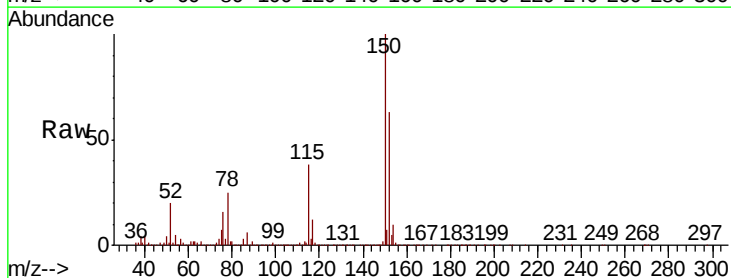


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

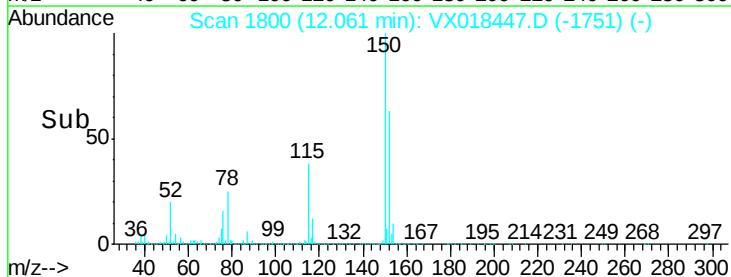
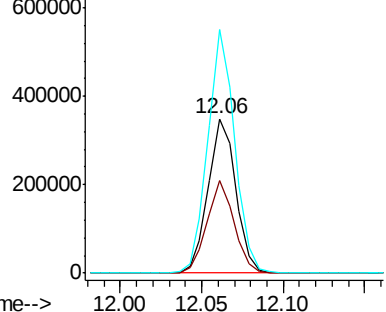


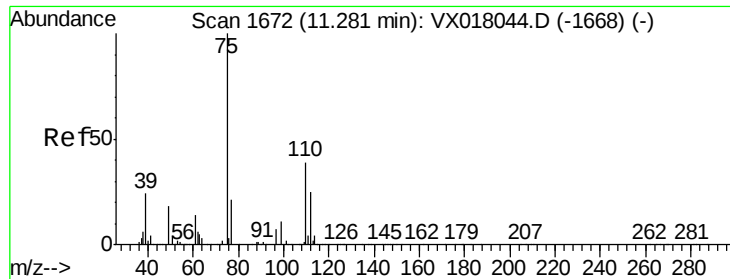
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018447.D
Acq: 16 Sep 2020 17:59

Tgt Ion:152 Resp: 413850
Ion Ratio Lower Upper
152 100
115 57.9 41.5 124.5
150 152.3 0.0 343.8



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: 21.750 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

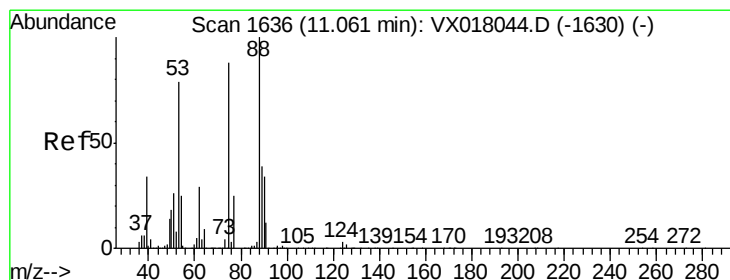
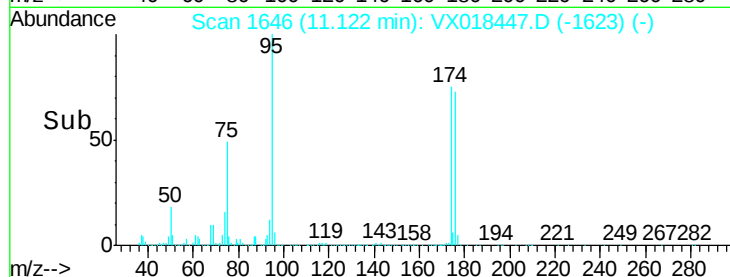
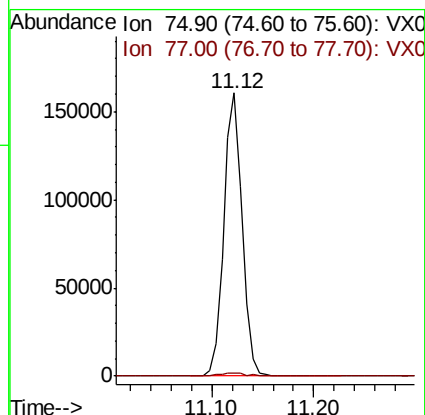
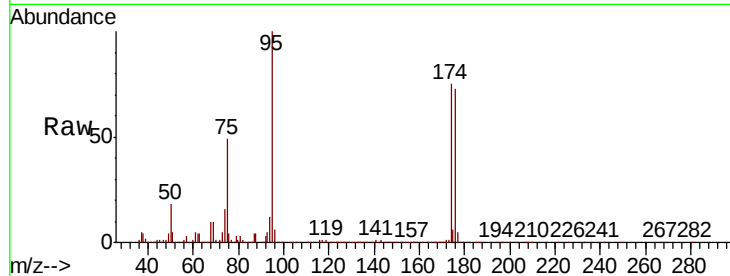
B14-1-3

Tot Ion: 75 Resp: 200239

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.744 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

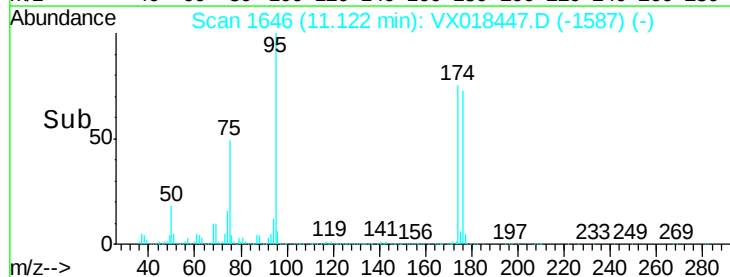
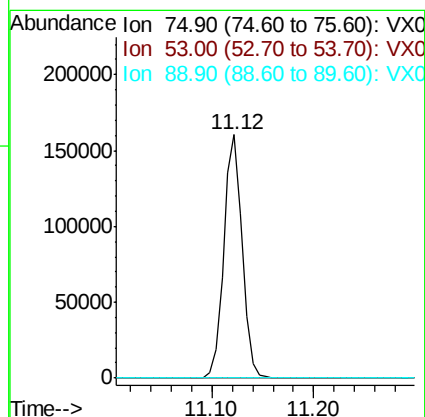
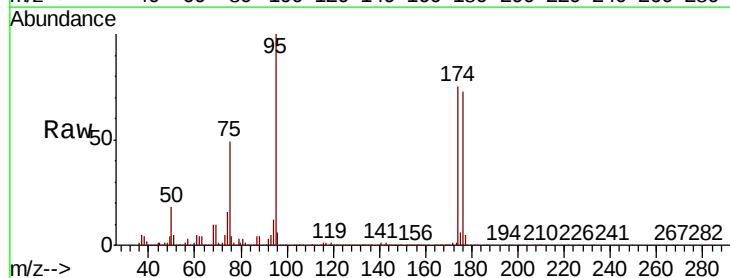
Tgt Ion: 75 Resp: 200239

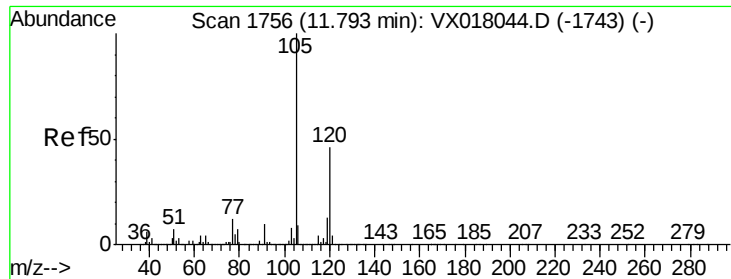
Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.0 36.6 54.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.250 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018447.D

Acq: 16 Sep 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

B14-1-3

Tot Ion:105 Resp: 5739

Ion Ratio Lower Upper

105 100

120 49.8 22.3 66.9

