

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018448.D
 Acq On : 16 Sep 2020 18:21
 Operator : JC/SP
 Sample : L4021-02 20X
 Misc : 10.47g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B14-5-7

Quant Time: Sep 17 04:23:53 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	5.63	168	488972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	791102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	759822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	388416	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	338976	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	5.46	113	263957	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	8.70	98	951336	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.12	95	372262	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	

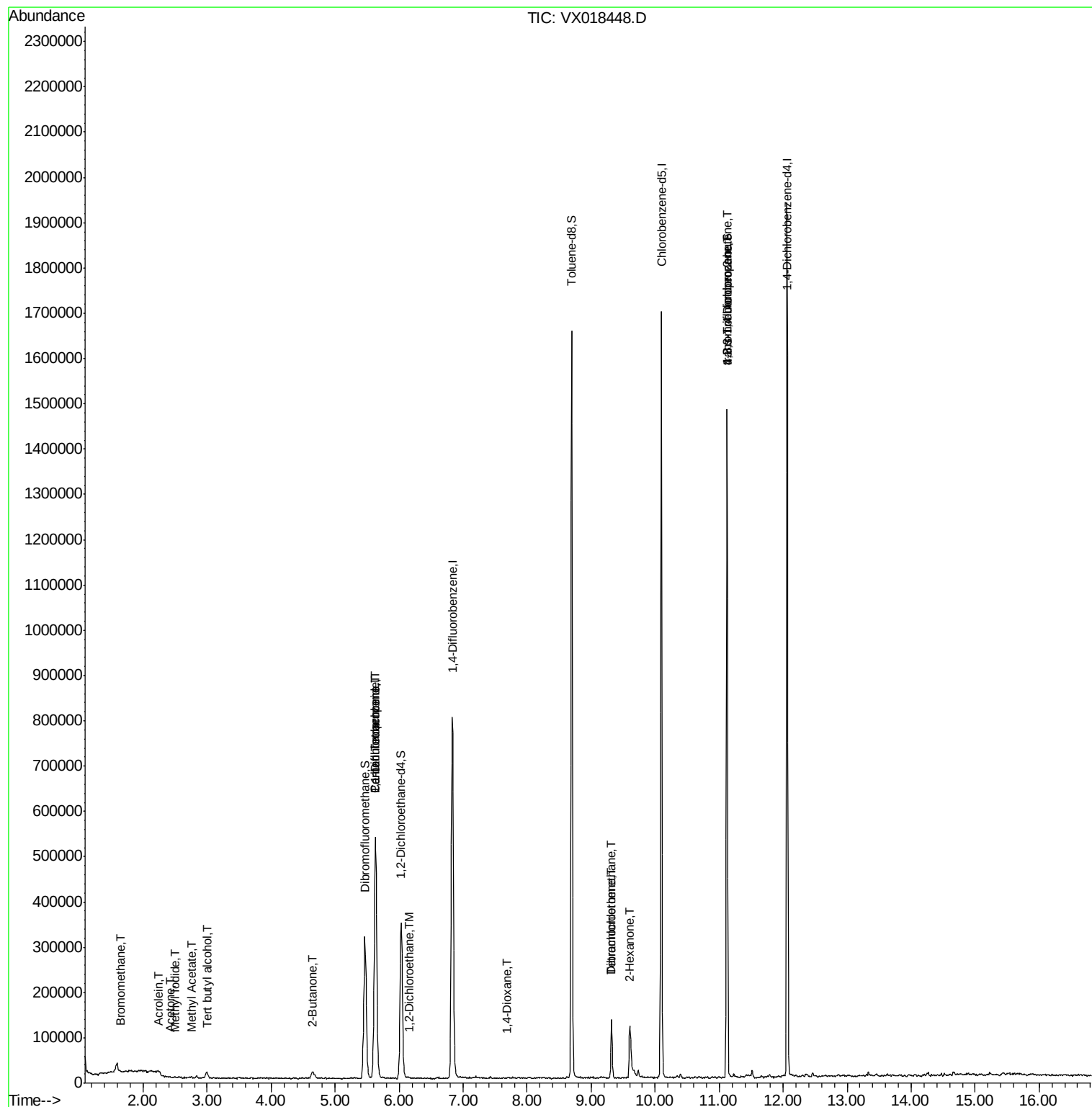
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	848	0.281	ug/l #	52
10) Methyl Iodide	2.49	142	656	5.406	ug/l #	81
11) Tert butyl alcohol	3.00	59	9560	7.243	ug/l #	78
13) Acrolein	2.25	56	875	1.599	ug/l #	63
16) Acetone	2.42	43	2422	0.916	ug/l	90
18) Methyl Acetate	2.75	43	5523	0.865	ug/l #	83
20) Methylene Chloride	2.84	84	2154	Below Cal	#	68
25) 2-Butanone	4.65	43	1923	0.442	ug/l #	80
36) 1,1-Dichloropropene	5.63	75	38648	5.297	ug/l #	42
38) Carbon Tetrachloride	5.63	117	50893	6.189	ug/l #	18
42) 1,2-Dichloroethane	6.16	62	1658	0.202	ug/l	86
49) 1,4-Dioxane	7.69	88	168	1.361	ug/l #	31
59) 2-Hexanone	9.60	43	34331	5.340	ug/l #	37
60) Dibromochloromethane	9.32	129	24475	3.598	ug/l #	11
64) Tetrachloroethene	9.32	164	25659	4.595	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	189208	21.898	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	189208	59.143	ug/l #	12

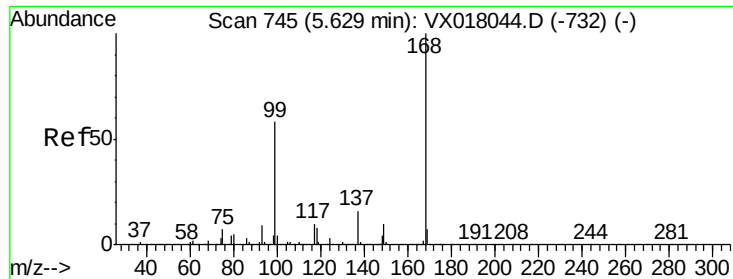
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

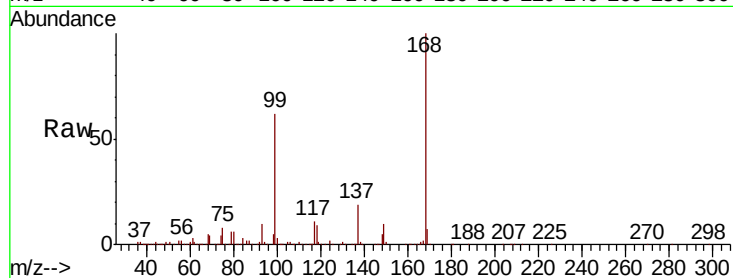
B14-5-7

Tot Ion:168 Resp: 488972

Ion Ratio Lower Upper

168 100

99 62.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

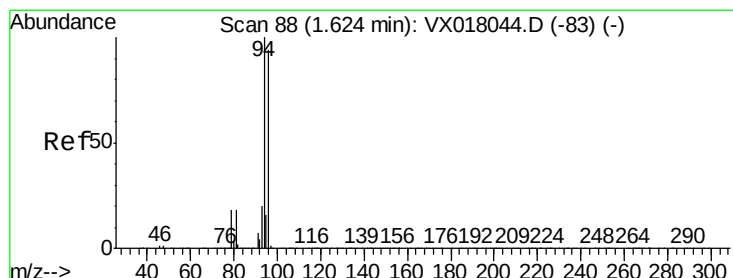
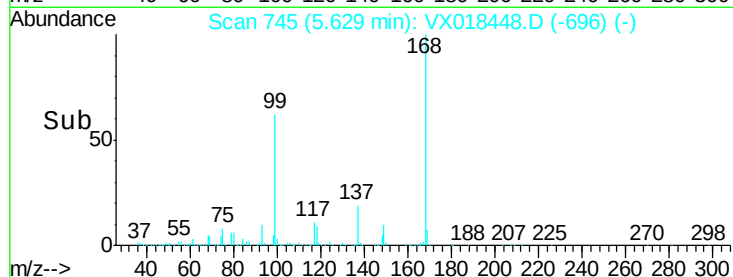
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.281 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018448.D

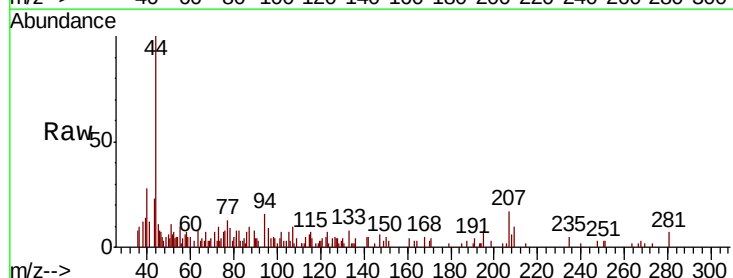
Acq: 16 Sep 2020 18:21

Tgt Ion: 94 Resp: 848

Ion Ratio Lower Upper

94 100

96 47.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

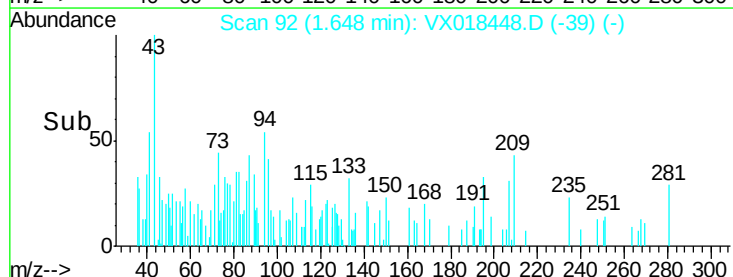
300

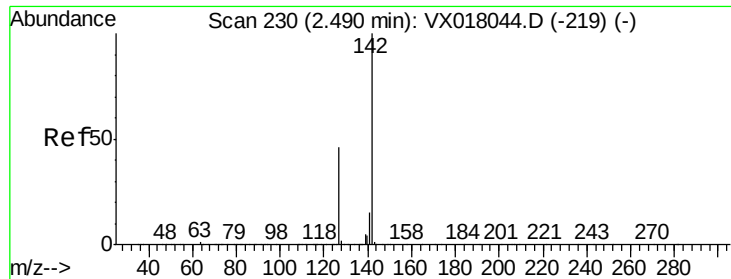
200

100

0

Time-->

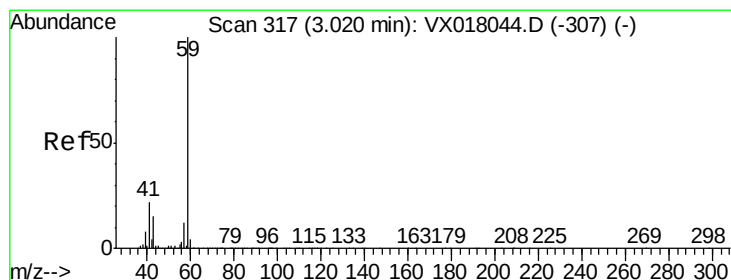
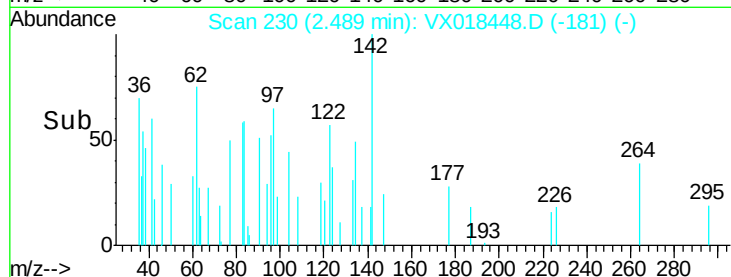
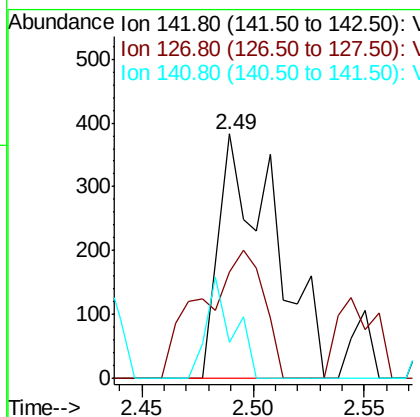
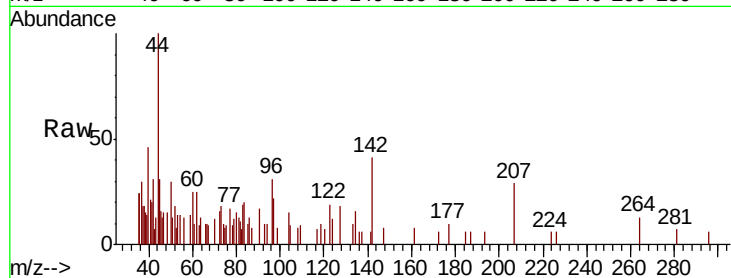




#10
Methvl Iodide
Concen: 5.406 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

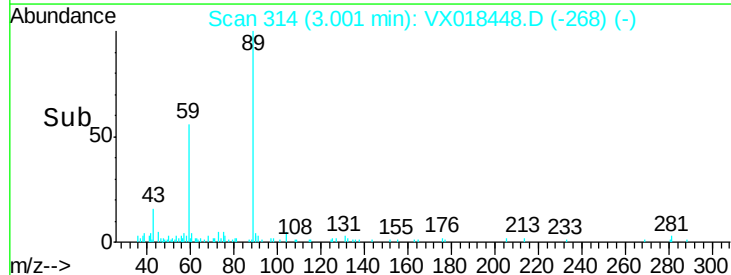
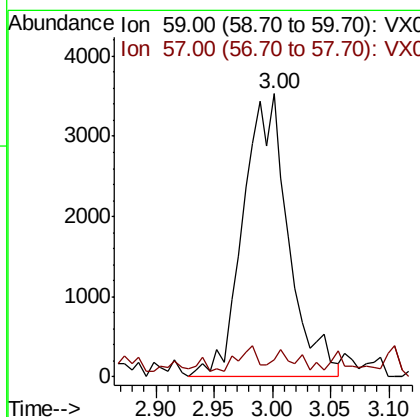
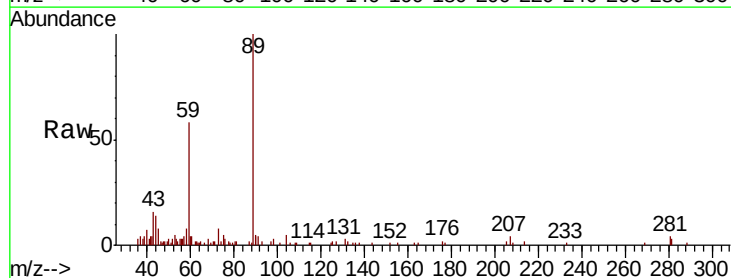
Instrument :
MSVOA_X
ClientSampled :
B14-5-7

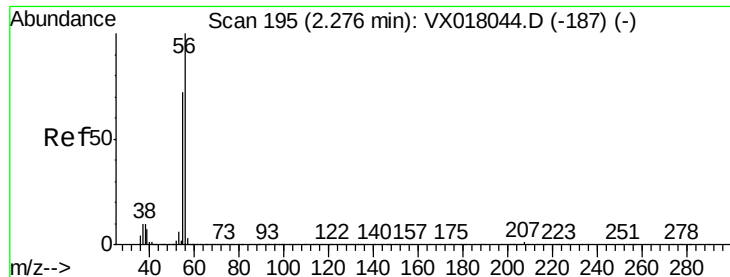
Tot Ion:142 Resp: 656
Ion Ratio Lower Upper
142 100
127 59.6 37.0 55.6#
141 20.3 11.5 17.3#



#11
Tert butyl alcohol
Concen: 7.243 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

Tgt Ion: 59 Resp: 9560
Ion Ratio Lower Upper
59 100
57 2.7 8.9 13.3#





#13

Acrolein

Concen: 1.599 ug/l

RT: 2.25 min Scan# 190

Delta R.T. -0.03 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampled :

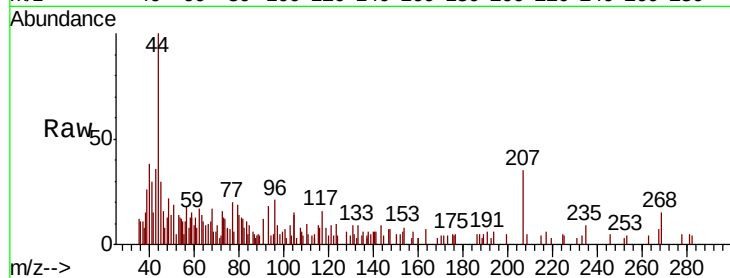
B14-5-7

Tot Ion: 56 Resp: 875

Ion Ratio Lower Upper

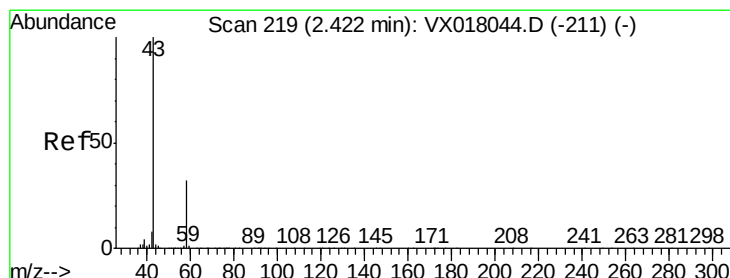
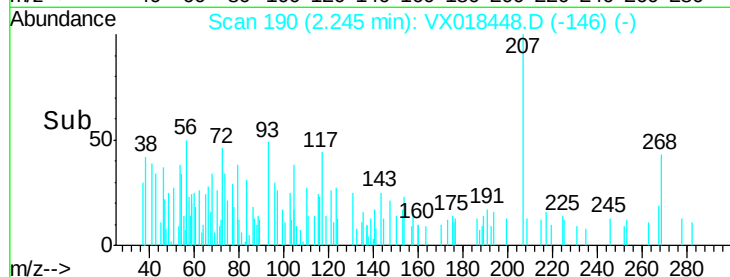
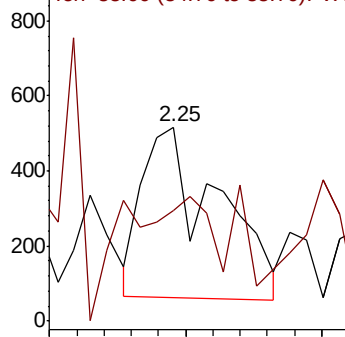
56 100

55 40.8 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.916 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018448.D

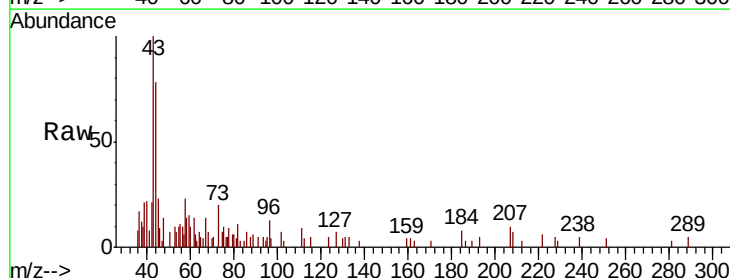
Acq: 16 Sep 2020 18:21

Tgt Ion: 43 Resp: 2422

Ion Ratio Lower Upper

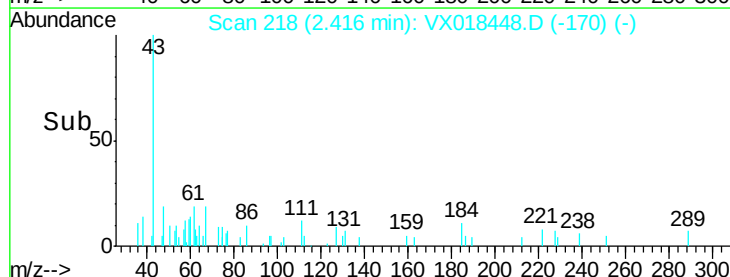
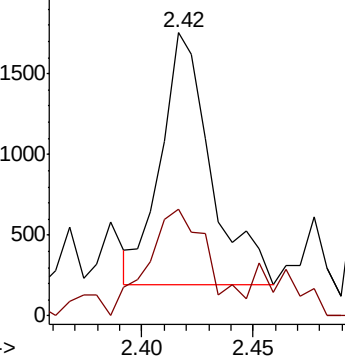
43 100

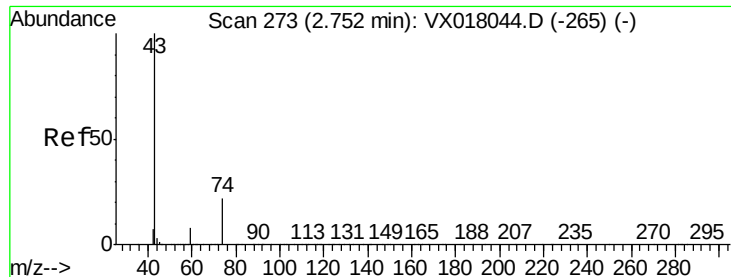
58 26.1 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

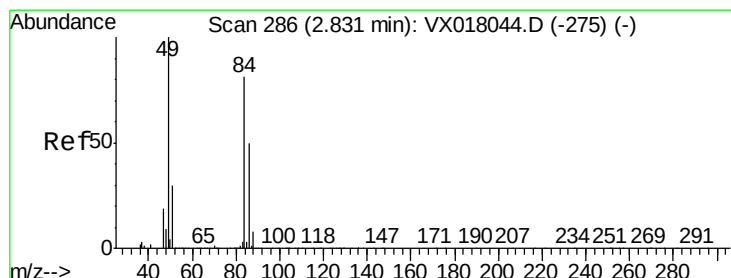
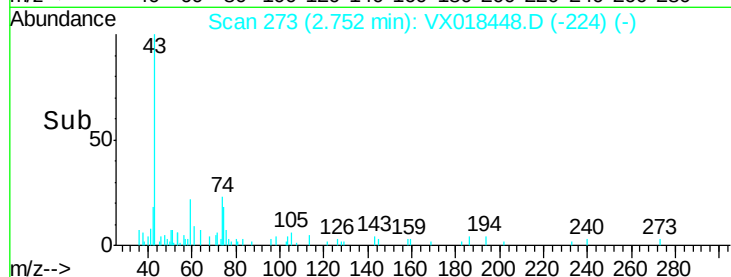
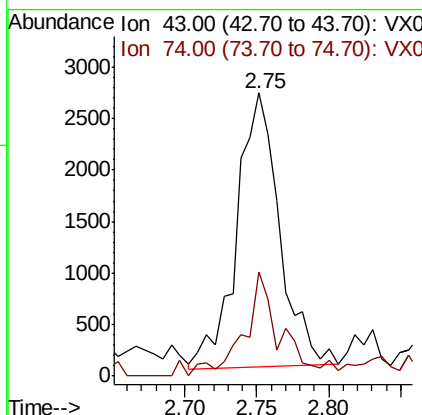
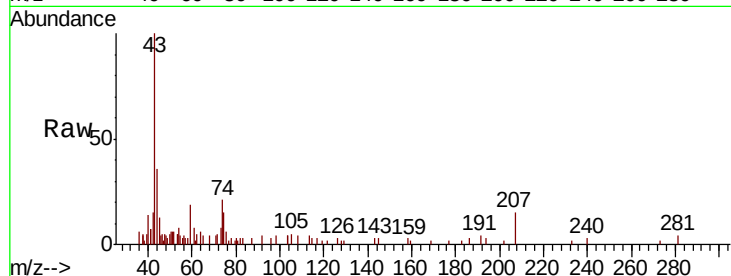




#18
Methvl Acetate
Concen: 0.865 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

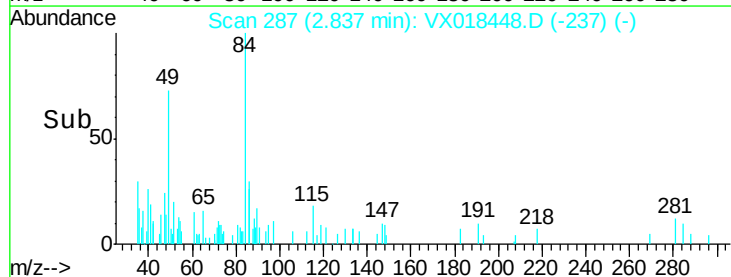
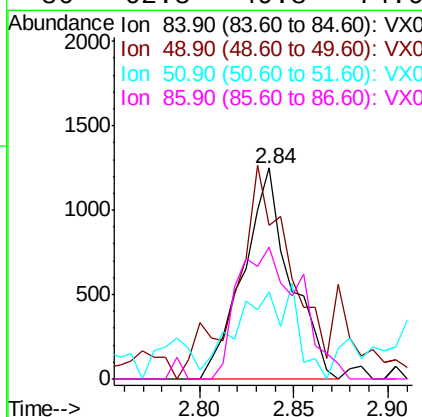
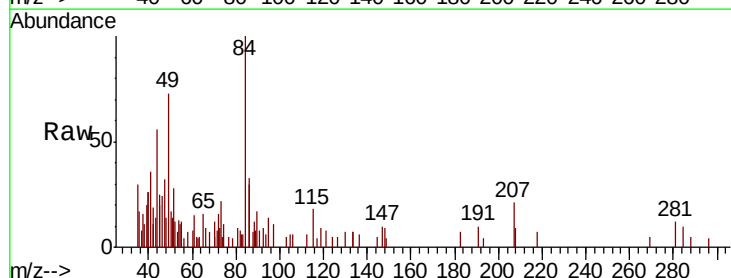
Instrument :
MSVOA_X
ClientSampleId :
B14-5-7

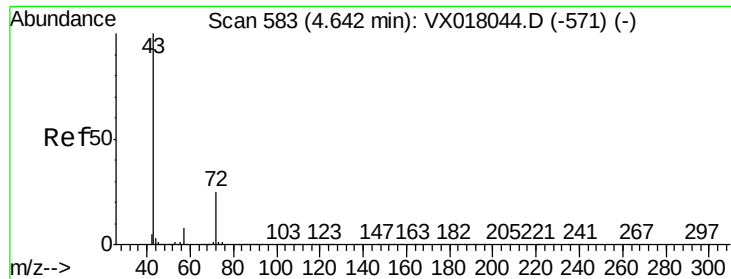
Tot Ion: 43 Resp: 5523
Ion Ratio Lower Upper
43 100
74 31.0 18.2 27.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

Tgt Ion: 84 Resp: 2154
Ion Ratio Lower Upper
84 100
49 64.1 98.6 148.0#
51 27.2 29.6 44.4#
86 62.8 49.8 74.6

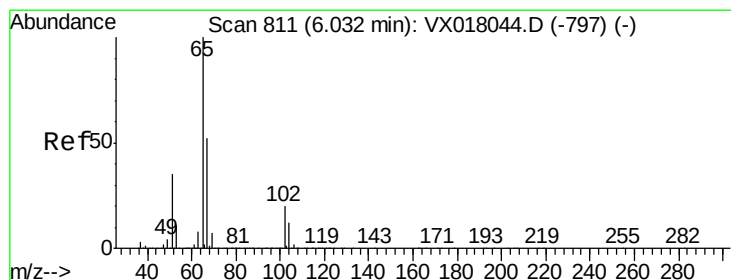
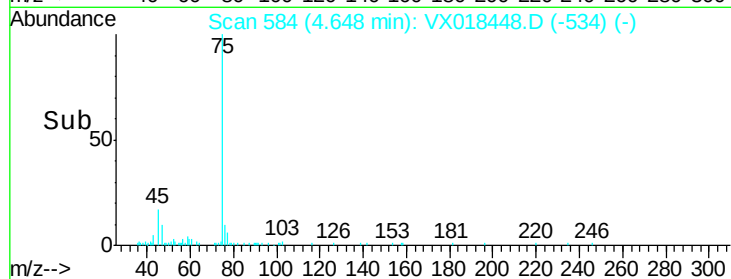
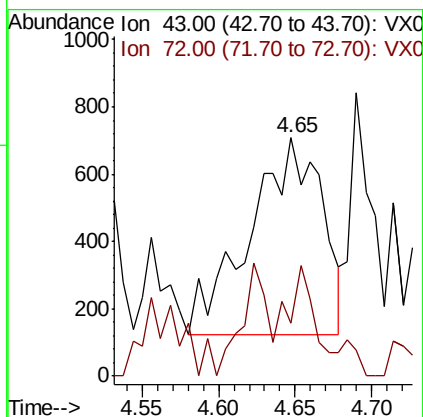
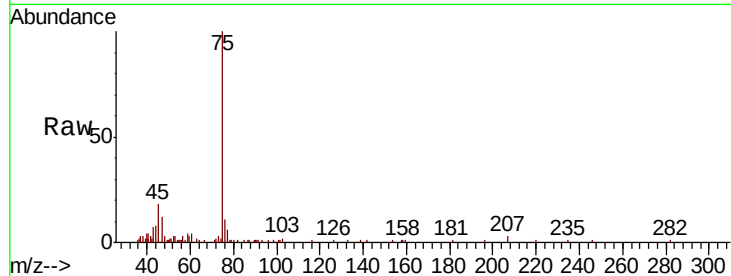




#25
2-Butanone
Concen: 0.442 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

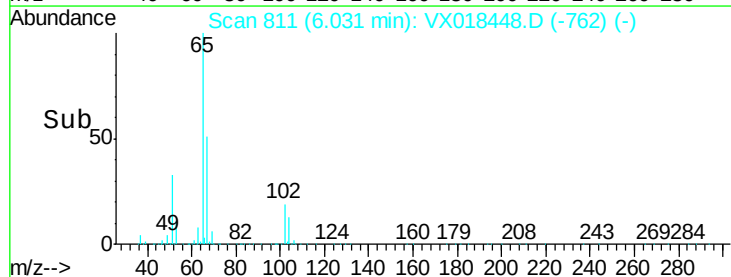
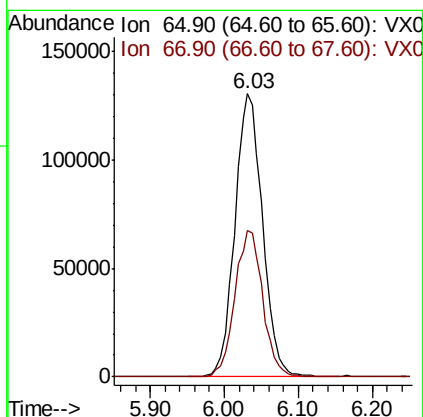
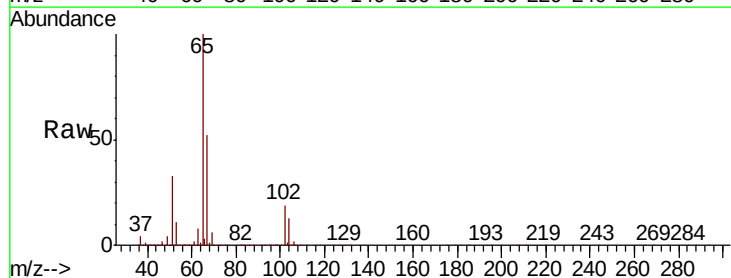
Instrument :
MSVOA_X
ClientSampleId :
B14-5-7

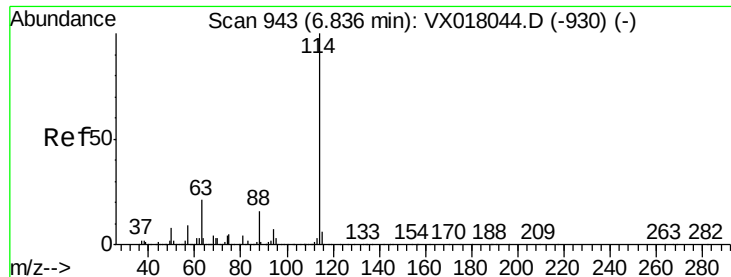
Tot Ion: 43 Resp: 1923
Ion Ratio Lower Upper
43 100
72 14.9 19.8 29.6#



#33
1,2-Dichloroethane-d4
Concen: 49.936 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

Tgt Ion: 65 Resp: 338976
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

B14-5-7

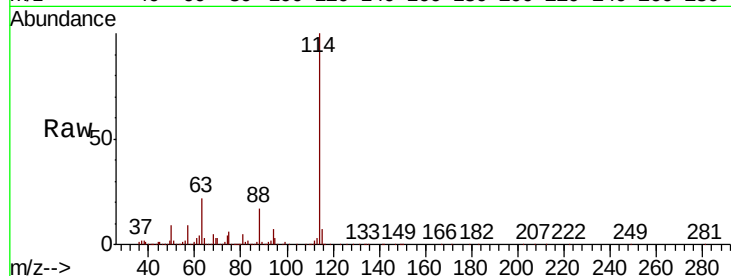
Tot Ion:114 Resp: 791102

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

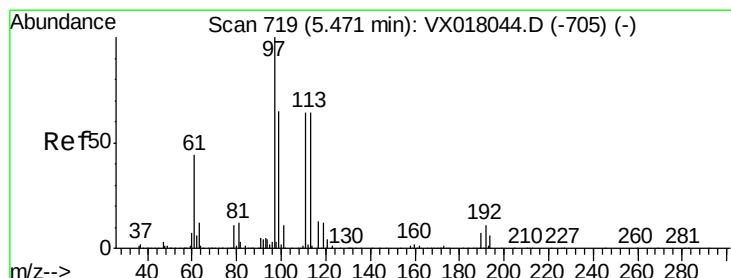
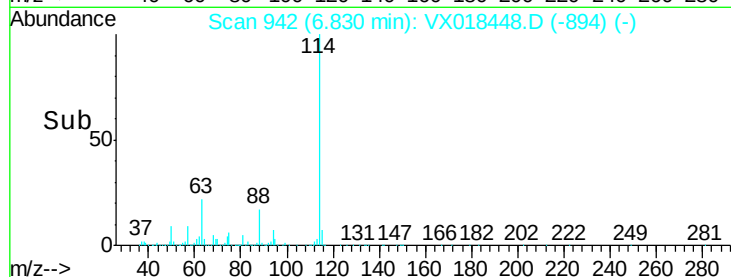
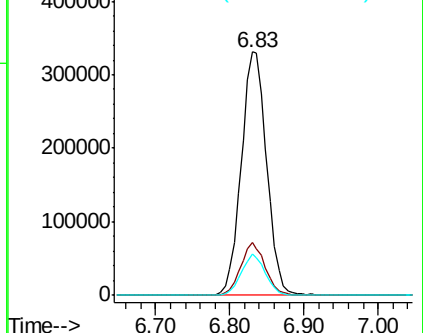
88 16.9 0.0 31.8



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



#35

Dibromofluoromethane

Concen: 48.992 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

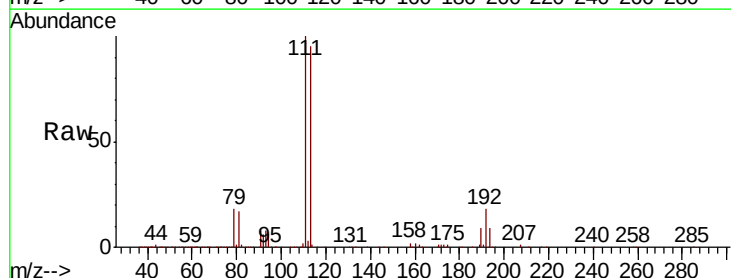
Tgt Ion:113 Resp: 263957

Ion Ratio Lower Upper

113 100

111 104.8 81.6 122.4

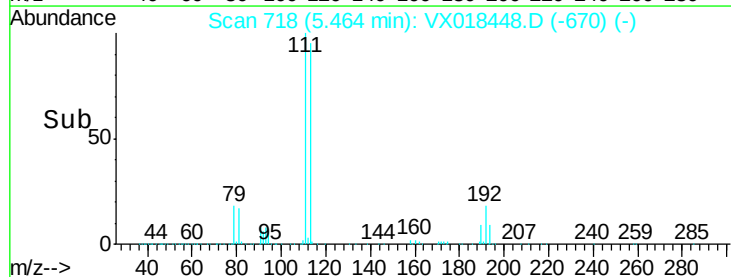
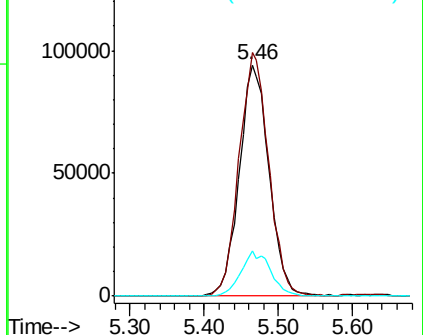
192 19.5 15.8 23.8

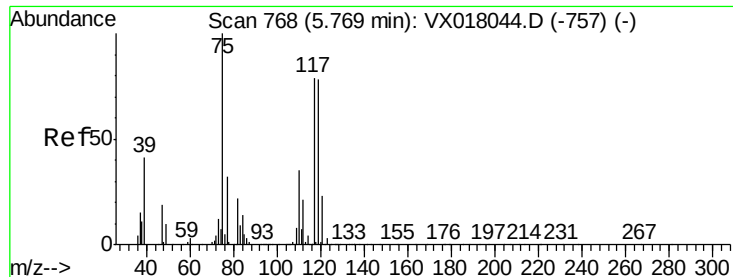


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.297 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

B14-5-7

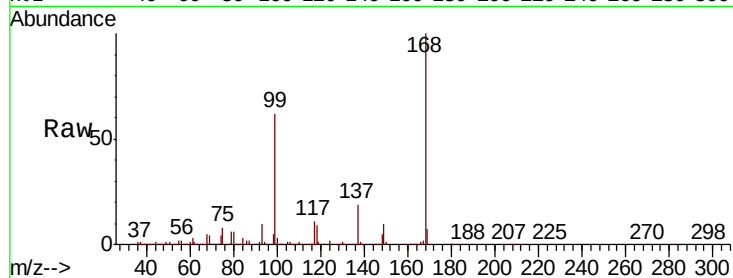
Tot Ion: 75 Resp: 38648

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

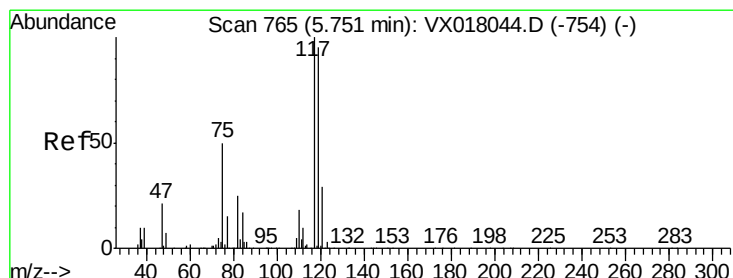
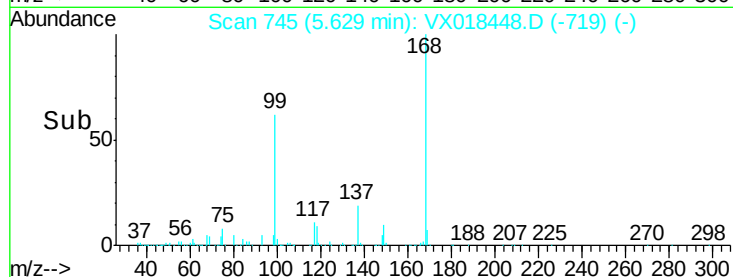
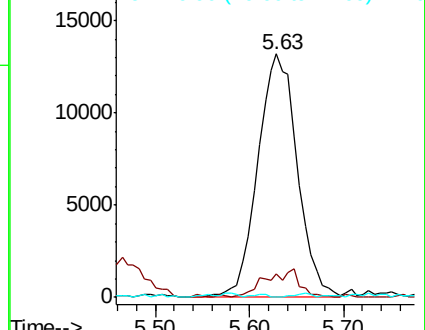
77 0.5 24.4 36.6#



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: 6.189 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

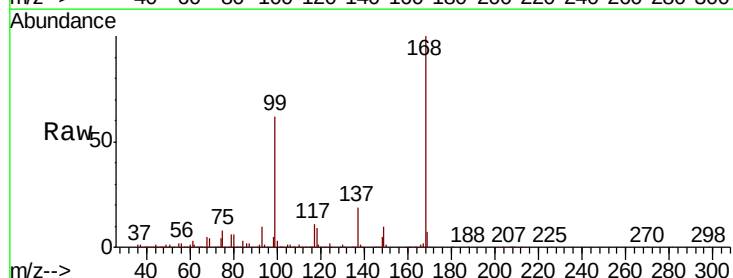
Tgt Ion:117 Resp: 50893

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

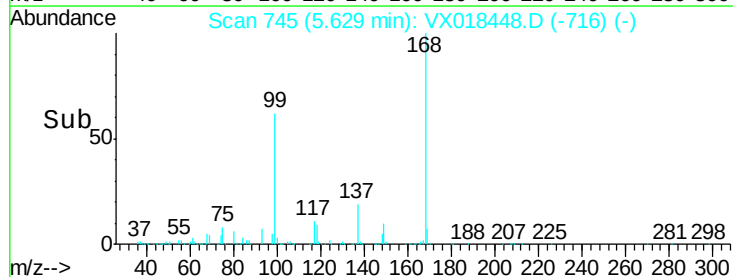
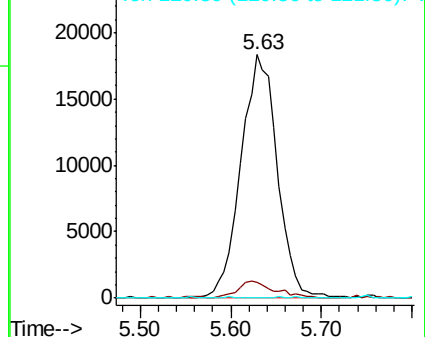
121 0.0 23.4 35.0#

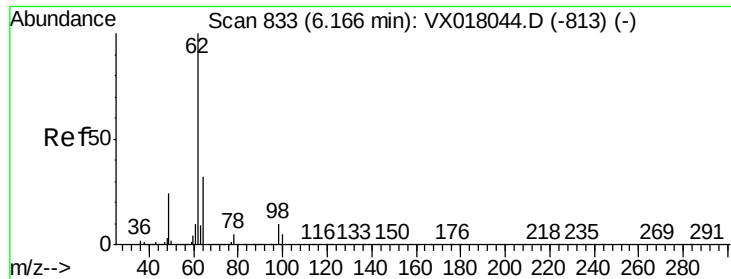


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

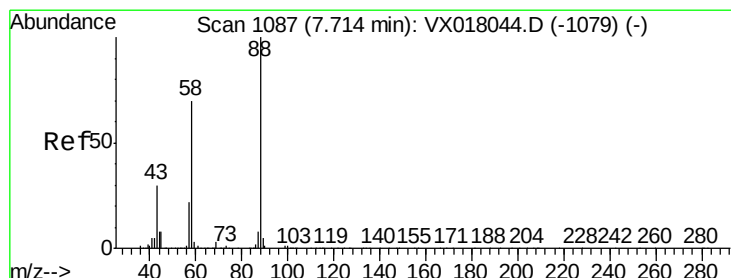
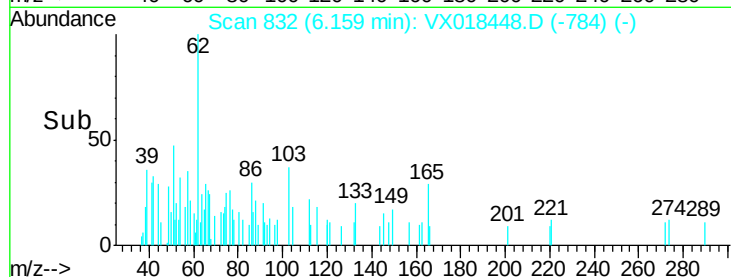
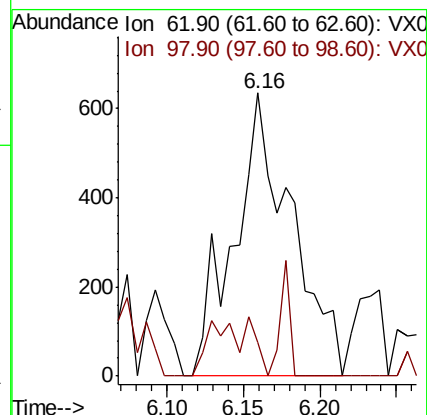
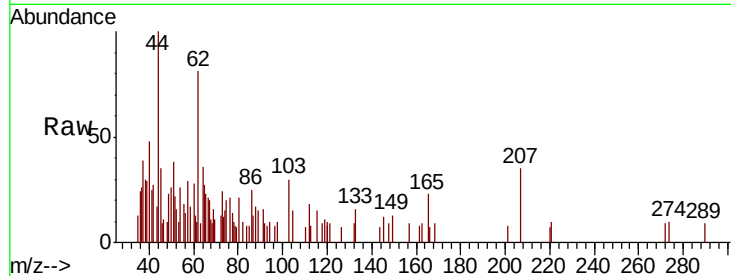
B14-5-7

Tot Ion: 62 Resp: 1658

Ion Ratio Lower Upper

62 100

98 14.4 0.0 18.2



#49

1,4-Dioxane

Concen: 1.361 ug/l

RT: 7.69 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

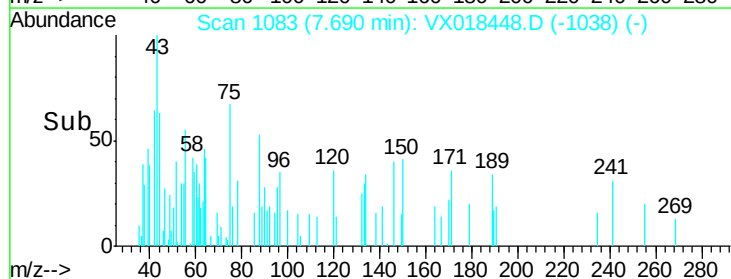
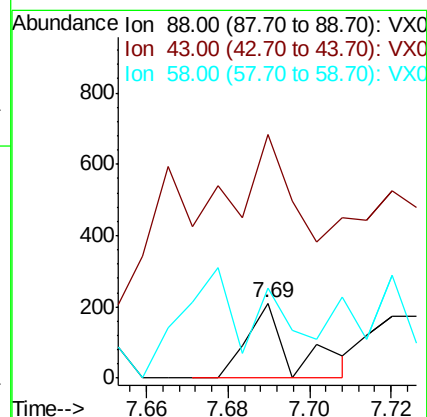
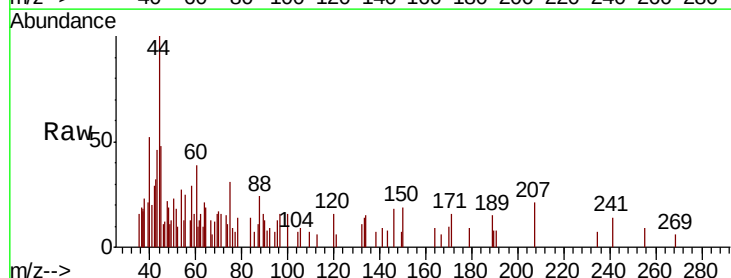
Tgt Ion: 88 Resp: 168

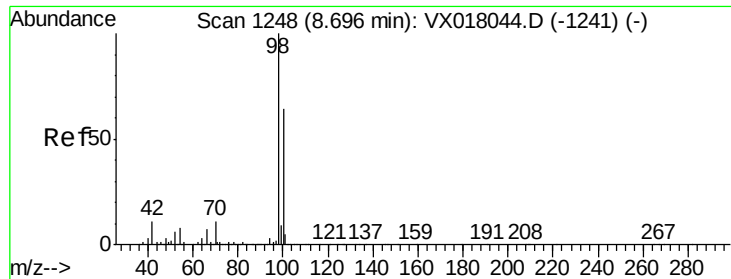
Ion Ratio Lower Upper

88 100

43 130.4 27.4 41.0#

58 53.6 56.4 84.6#





#50

Toluene-d8

Concen: 47.408 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

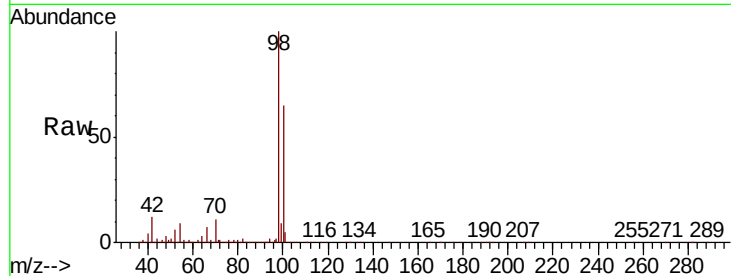
B14-5-7

Tot Ion: 98 Resp: 951336

Ion Ratio Lower Upper

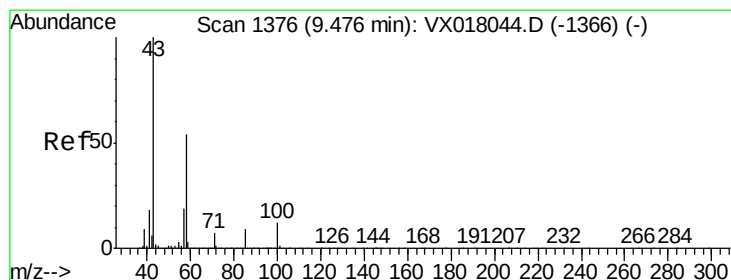
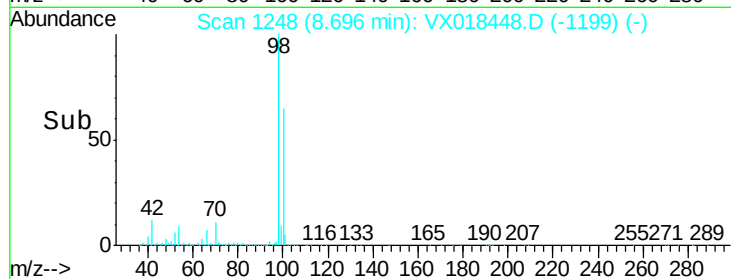
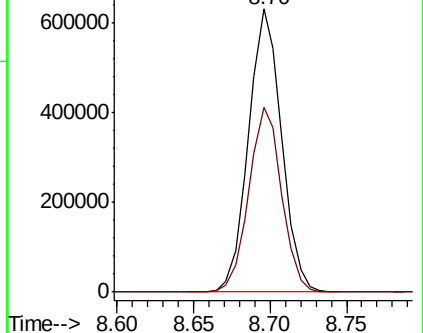
98 100

100 64.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#59

2-Hexanone

Concen: 5.340 ug/l

RT: 9.60 min Scan# 1397

Delta R.T. 0.13 min

Lab File: VX018448.D

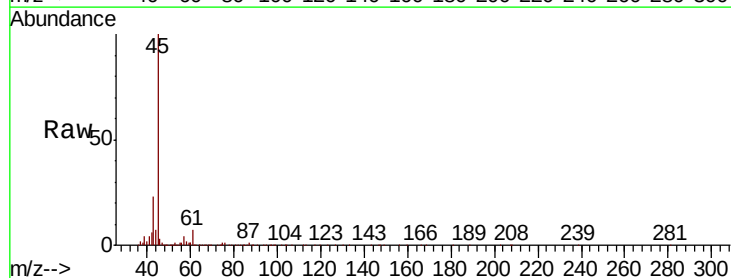
Acq: 16 Sep 2020 18:21

Tgt Ion: 43 Resp: 34331

Ion Ratio Lower Upper

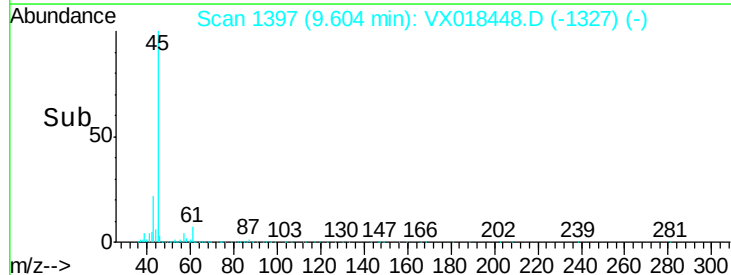
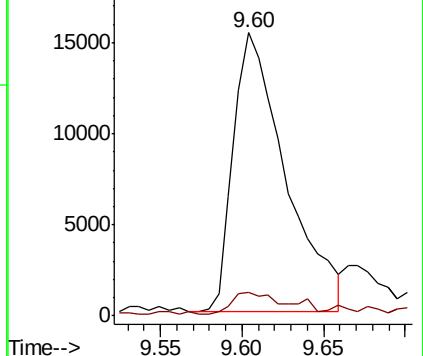
43 100

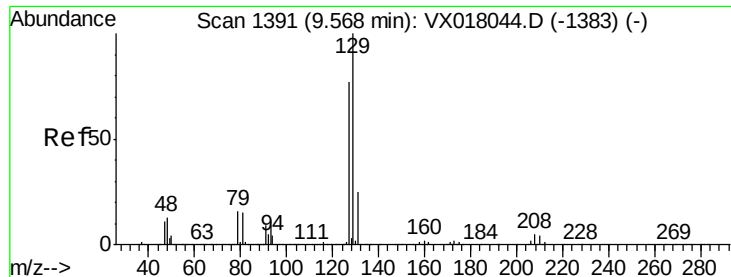
58 8.5 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 3.598 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampled :

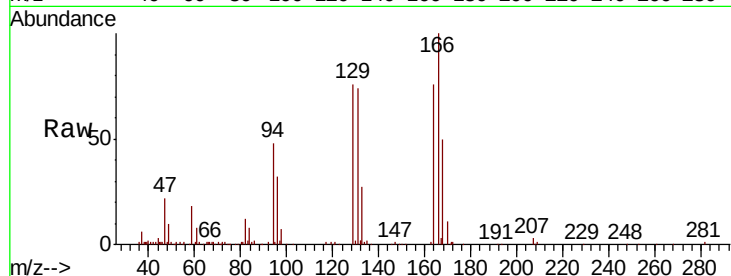
B14-5-7

Tot Ion:129 Resp: 24475

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

15000

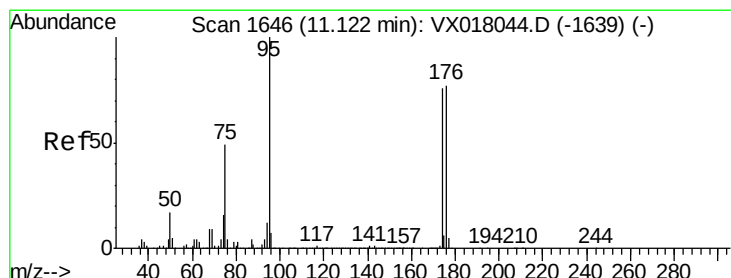
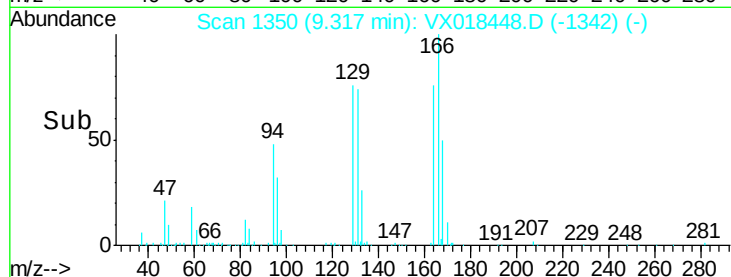
10000

5000

0

9.25 9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 47.150 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

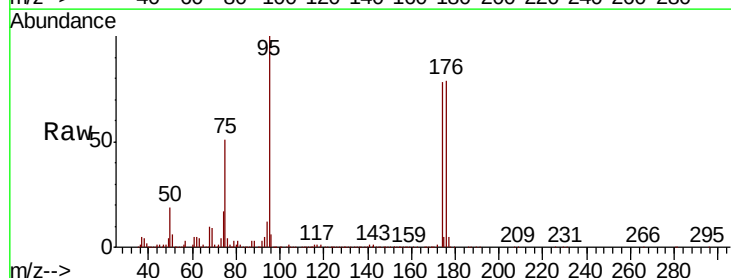
Tgt Ion: 95 Resp: 372262

Ion Ratio Lower Upper

95 100

174 78.5 0.0 160.2

176 77.1 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

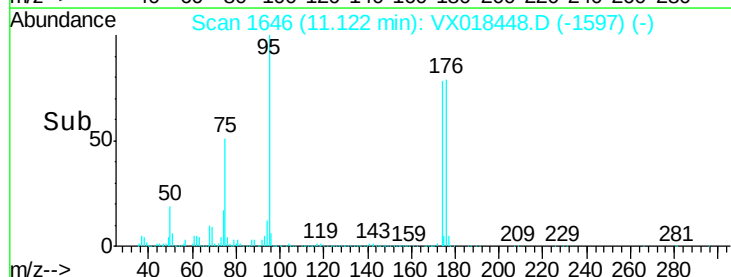
200000

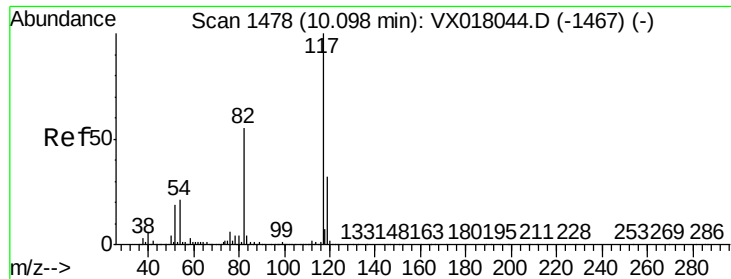
100000

0

11.10 11.12 11.20

Time-->

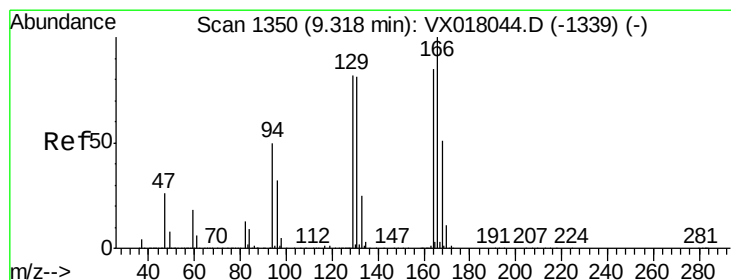
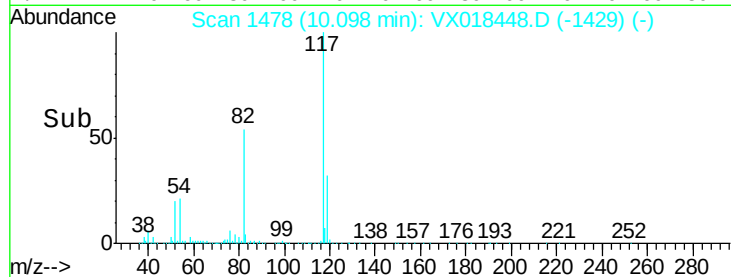
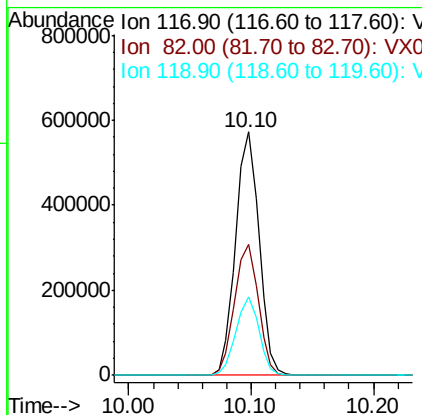
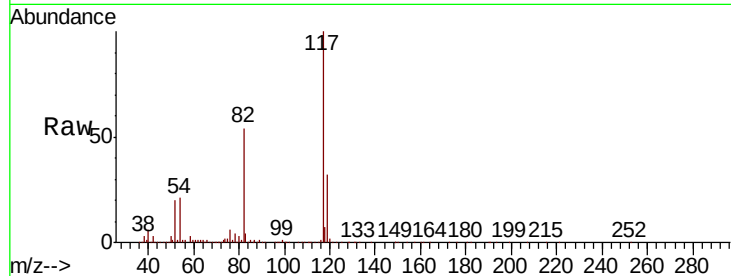




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

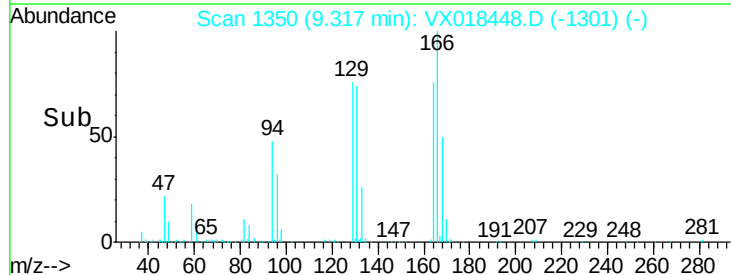
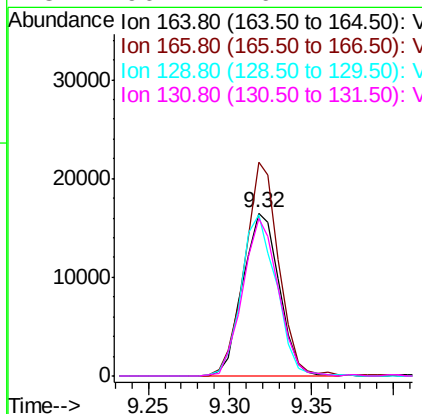
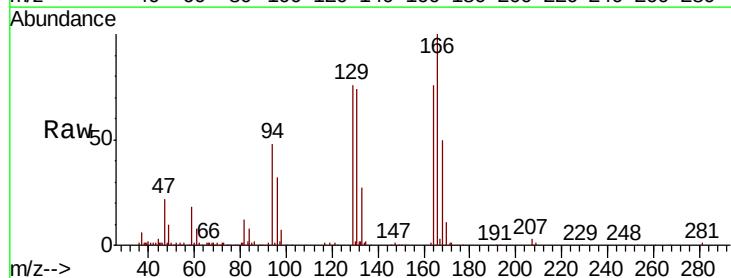
Instrument :
MSVOA_X
ClientSampleId :
B14-5-7

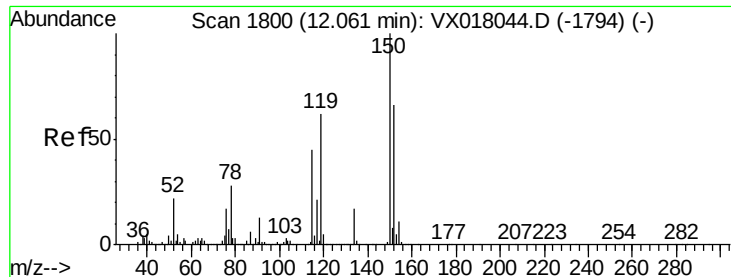
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	32.1	25.7	38.5



#64
Tetrachloroethene
Concen: 4.595 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018448.D
Acq: 16 Sep 2020 18:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	94.2	141.2
129	99.1	76.9	115.3
131	96.4	76.1	114.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

B14-5-7

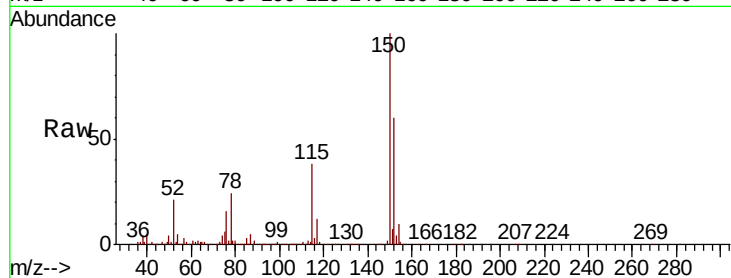
Tot Ion:152 Resp: 388416

Ion Ratio Lower Upper

152 100

115 60.2 41.5 124.5

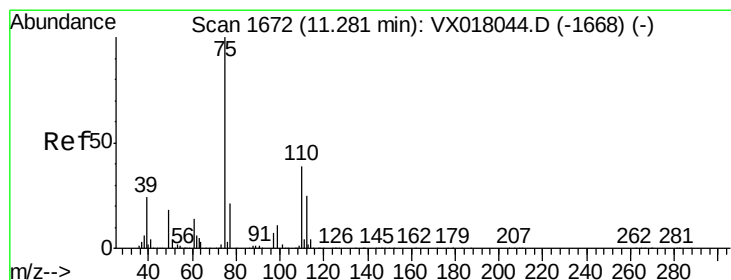
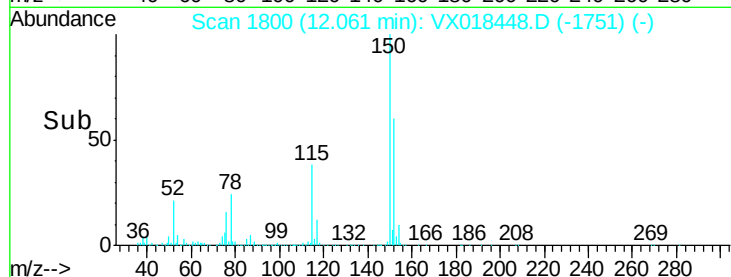
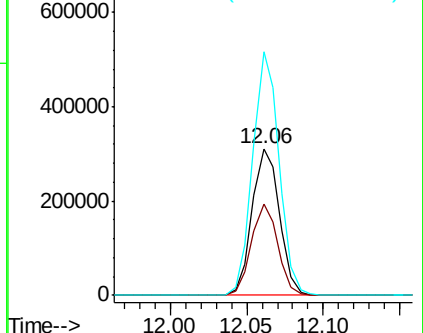
150 160.1 0.0 343.8



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: 21.898 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018448.D

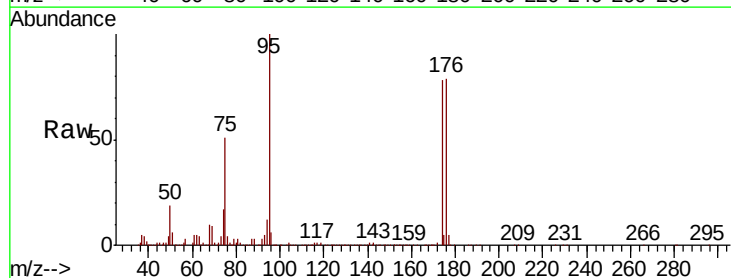
Acq: 16 Sep 2020 18:21

Tgt Ion: 75 Resp: 189208

Ion Ratio Lower Upper

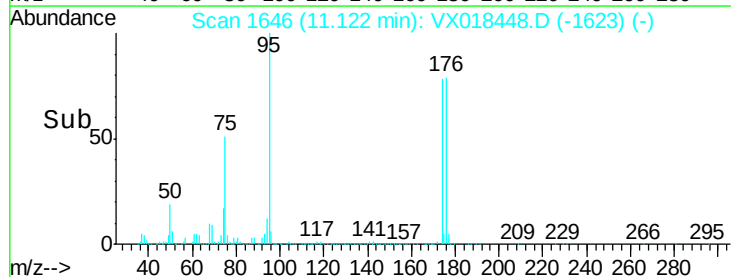
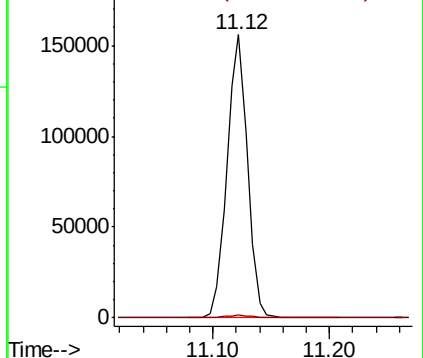
75 100

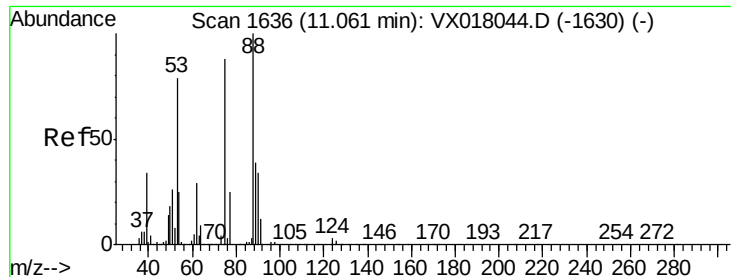
77 1.6 20.8 62.2#



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: 59.143 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018448.D

Acq: 16 Sep 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

B14-5-7

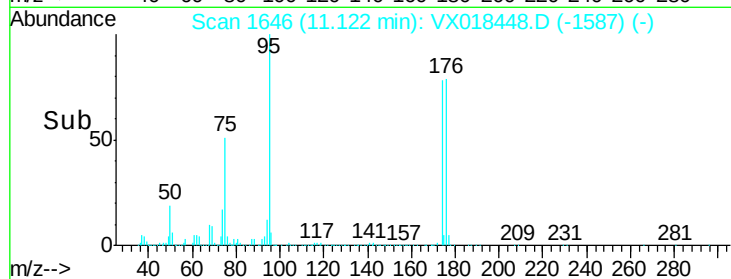
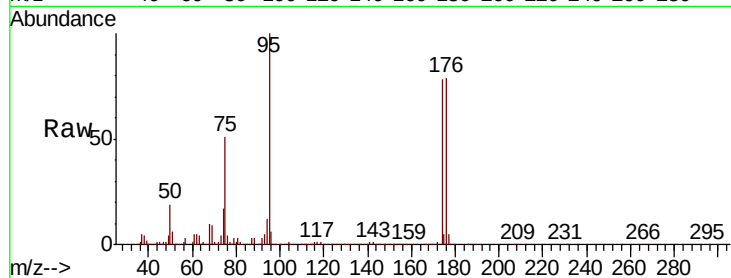
Tot Ion: 75 Resp: 189208

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#



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

