

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016907.D
 Acq On : 20 Jun 2020 04:45
 Operator : JC/SP
 Sample : L3063-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-6

Quant Time: Jun 22 01:52:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	324031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	474084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	484464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	302431	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	178338	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	5.47	113	170380	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
50) Toluene-d8	8.70	98	579989	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.12	95	291602	62.73	ug/l	0.00
Spiked Amount			Recovery	=	125.46%	

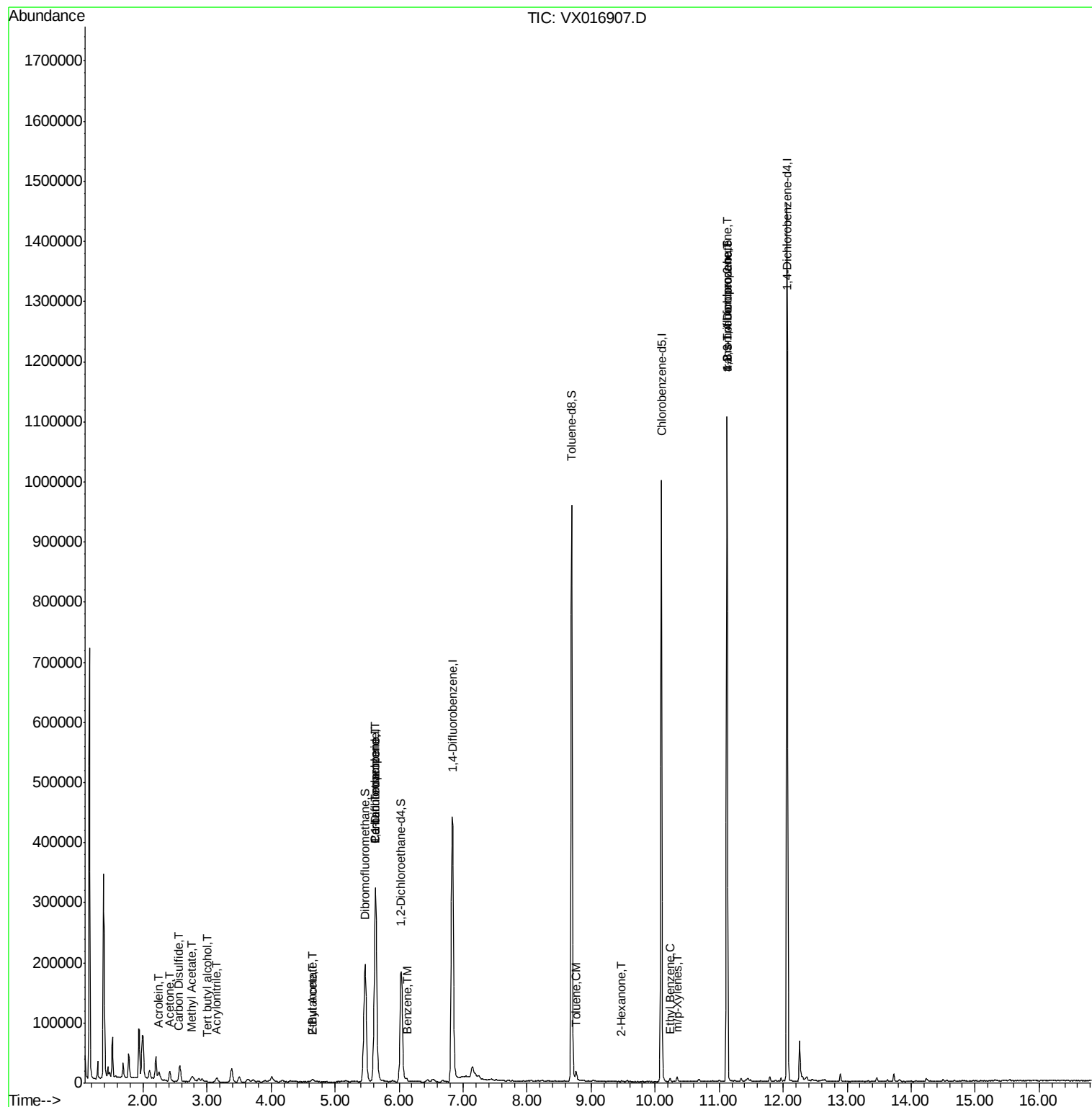
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	367	0.557	ug/l #	72
13) Acrolein	2.25	56	639	1.600	ug/l #	1
15) Acrylonitrile	3.14	53	407	0.270	ug/l #	55
16) Acetone	2.42	43	17225	12.176	ug/l	98
17) Carbon Disulfide	2.55	76	4820	0.539	ug/l #	92
18) Methyl Acetate	2.75	43	2885	0.802	ug/l #	59
25) 2-Butanone	4.64	43	6787	3.486	ug/l	98
36) 1,1-Dichloropropene	5.63	75	22923	5.237	ug/l #	48
37) Ethyl Acetate	4.64	43	6787	1.755	ug/l #	65
38) Carbon Tetrachloride	5.63	117	30301	6.169	ug/l #	16
40) Benzene	6.12	78	5886	0.448	ug/l #	65
52) Toluene	8.76	92	5489	0.630	ug/l	99
59) 2-Hexanone	9.48	43	1030	0.350	ug/l	77
67) Ethyl Benzene	10.24	91	3336	0.202	ug/l	96
68) m/p-Xylenes	10.34	106	1902	0.295	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	139983	25.344	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	139983	62.063	ug/l #	14

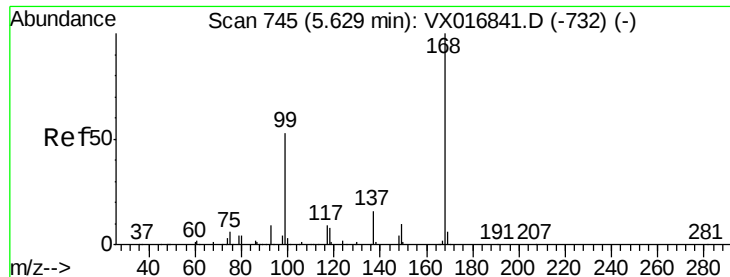
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampled :

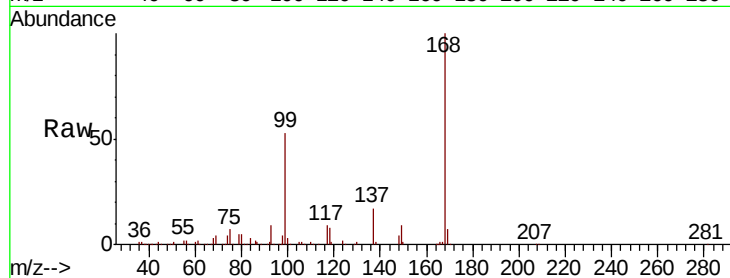
TW-6

Tot Ion:168 Resp: 324031

Ion Ratio Lower Upper

168 100

99 53.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

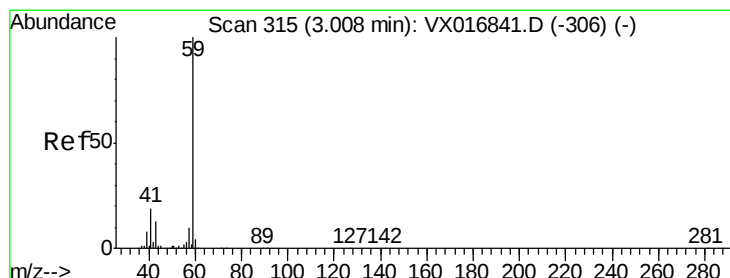
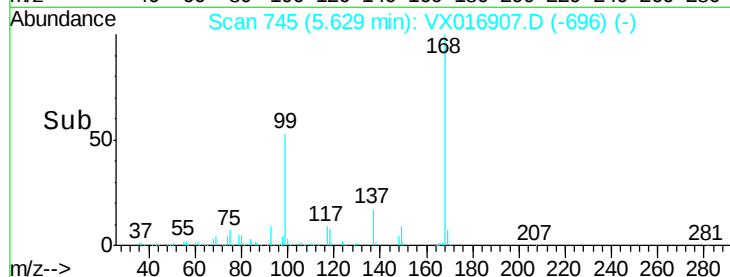
100000

50000

0

Time-->

5.50 5.60 5.70



#11

Tert butyl alcohol

Concen: 0.557 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX016907.D

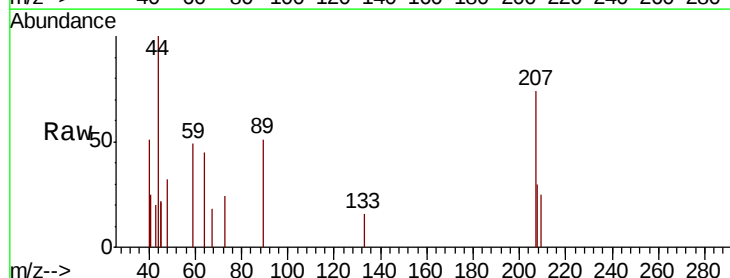
Acq: 20 Jun 2020 04:45

Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250

200

150

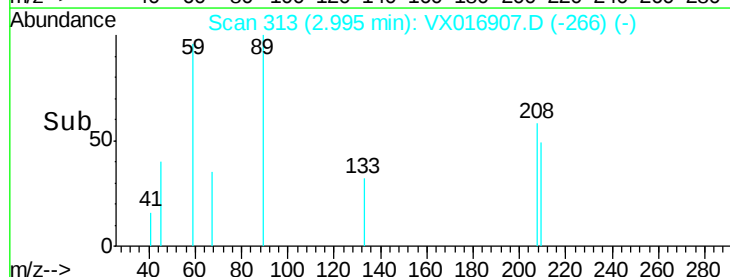
100

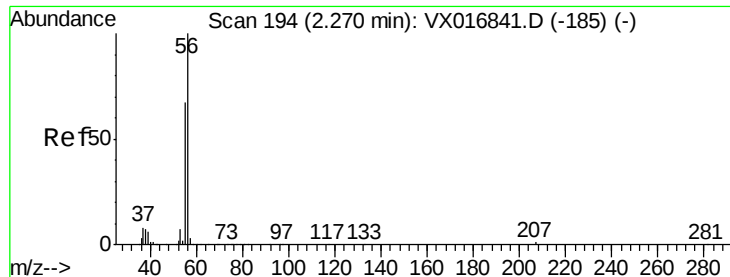
50

0

Time-->

2.94 2.96 2.98 3.00 3.02





#13

Acrolein

Concen: 1.600 ug/l

RT: 2.25 min Scan# 190

Delta R.T. -0.02 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampled :

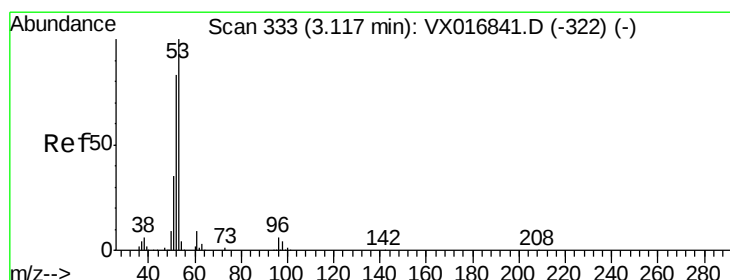
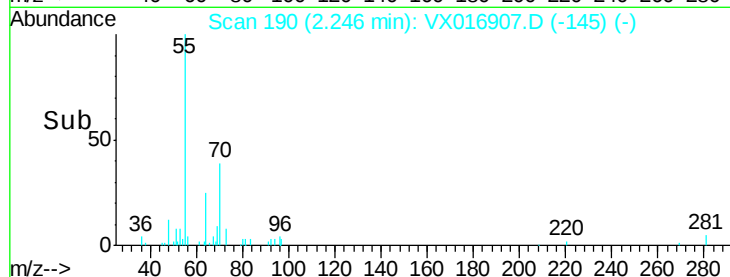
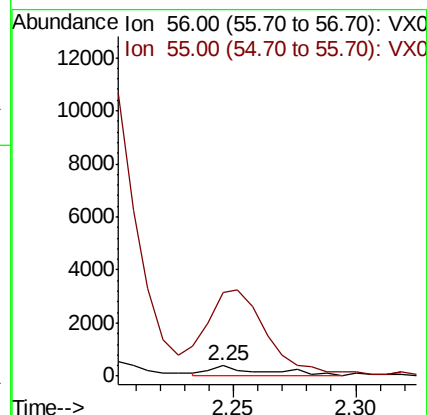
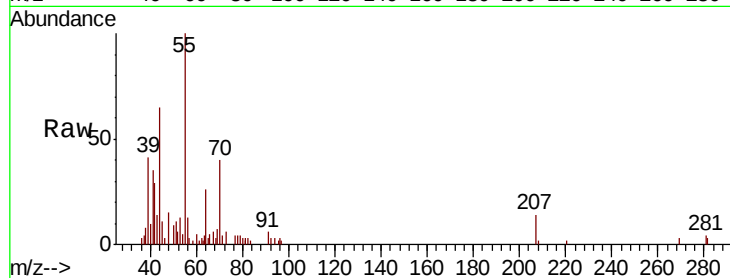
TW-6

Tot Ion: 56 Resp: 639

Ion Ratio Lower Upper

56 100

55 856.3 55.7 83.5#



#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.02 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

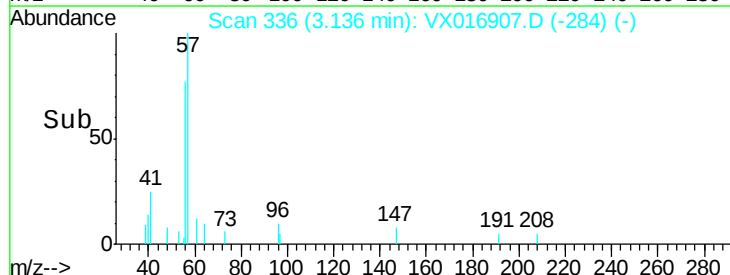
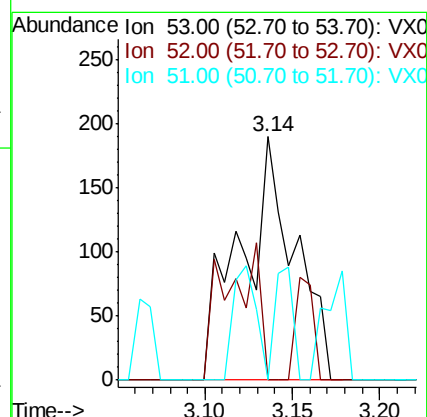
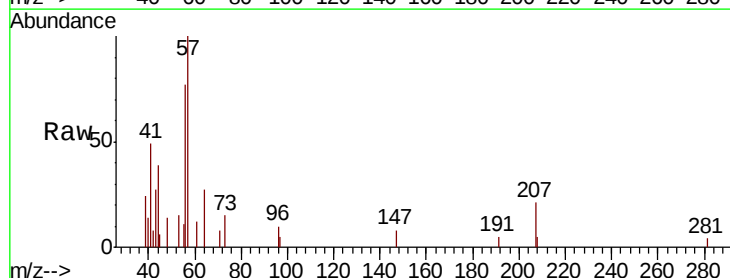
Tgt Ion: 53 Resp: 407

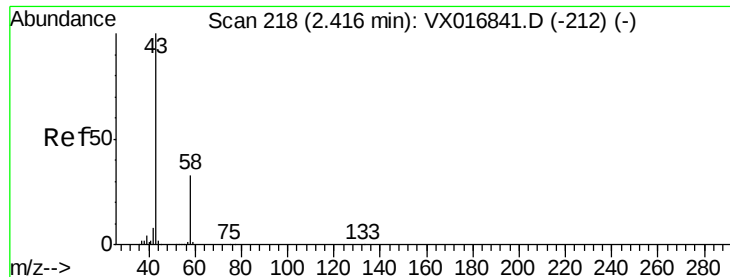
Ion Ratio Lower Upper

53 100

52 35.9 66.2 99.2#

51 19.9 28.7 43.1#





#16

Acetone

Concen: 12.176 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampled :

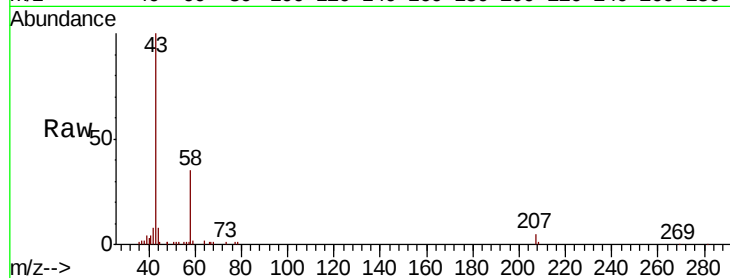
TW-6

Tot Ion: 43 Resp: 17225

Ion Ratio Lower Upper

43 100

58 34.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

12000

10000

8000

6000

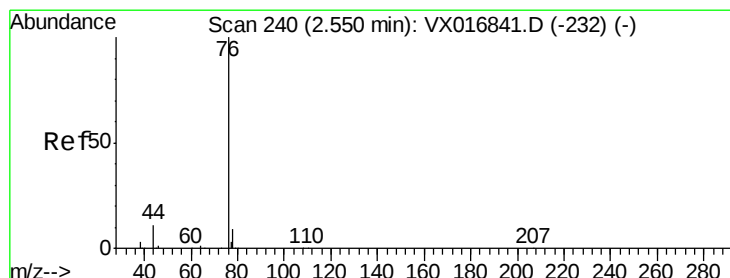
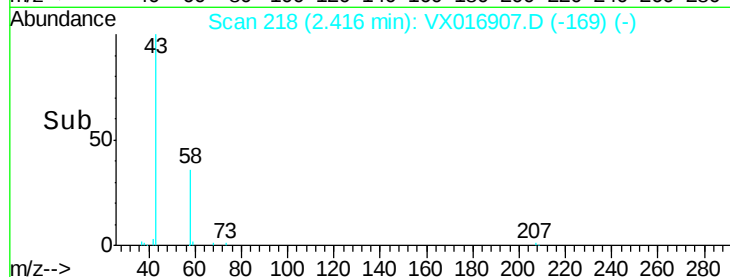
4000

2000

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.539 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016907.D

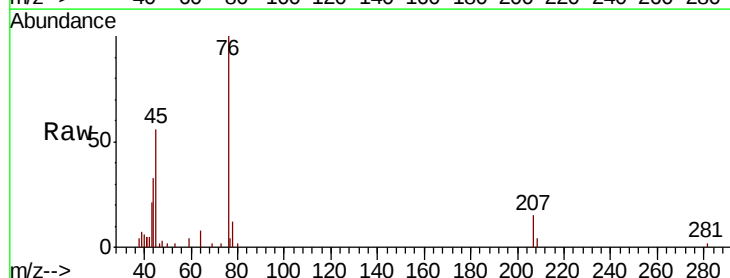
Acq: 20 Jun 2020 04:45

Tgt Ion: 76 Resp: 4820

Ion Ratio Lower Upper

76 100

78 12.3 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

3000

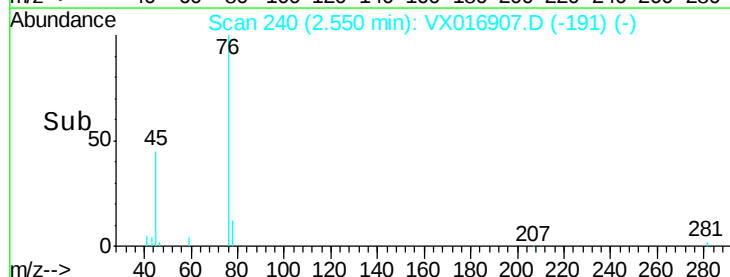
2000

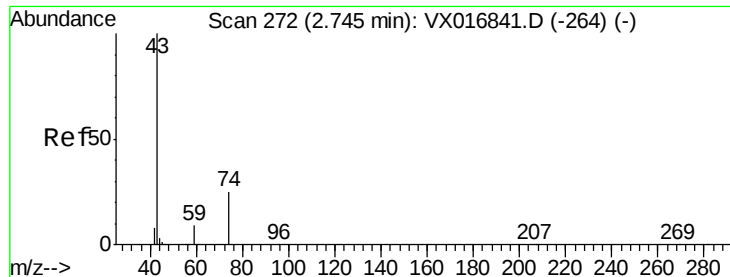
1000

0

2.50 2.55 2.60

Time-->

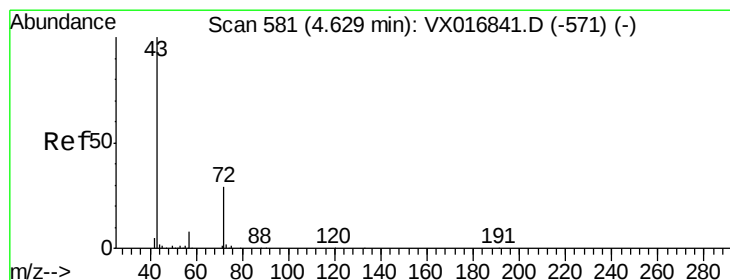
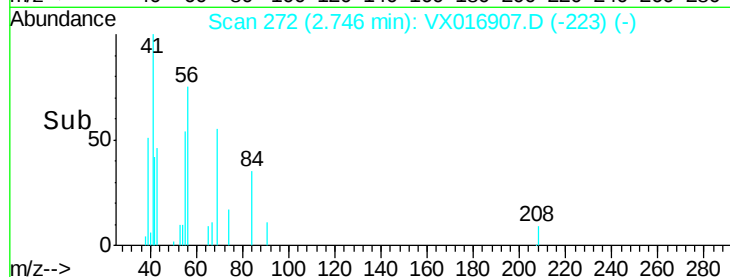
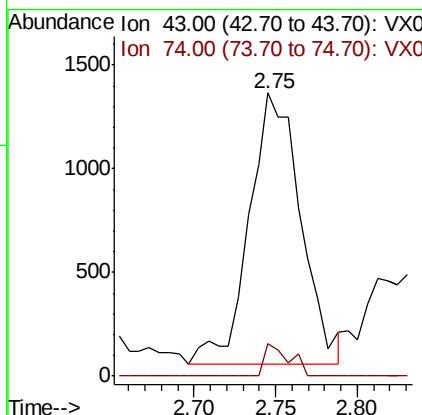
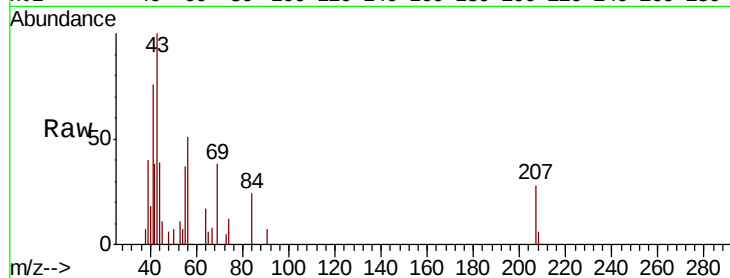




#18
Methvl Acetate
Concen: 0.802 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX016907.D
Acq: 20 Jun 2020 04:45

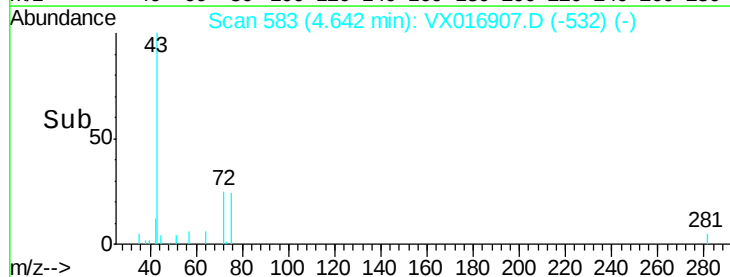
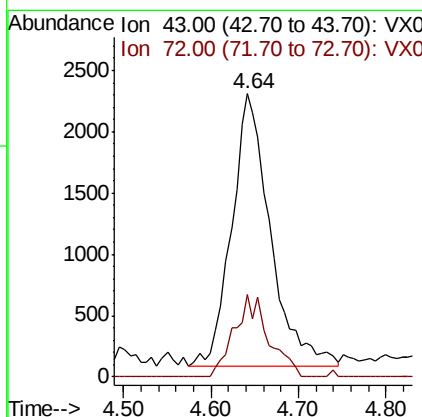
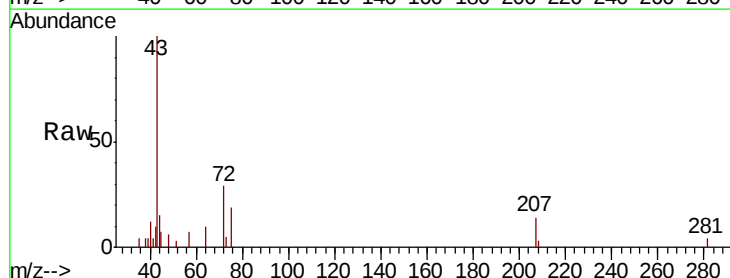
Instrument :
MSVOA_X
ClientSampled :
TW-6

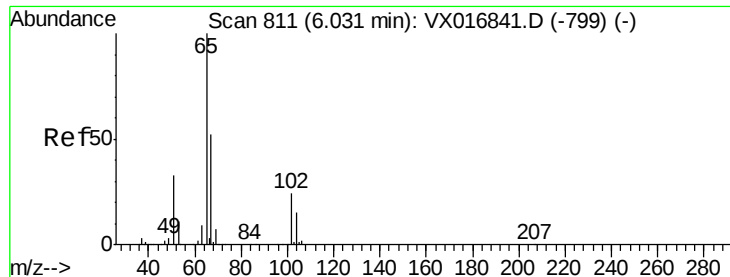
Tot Ion: 43 Resp: 2885
Ion Ratio Lower Upper
43 100
74 5.8 21.8 32.8#



#25
2-Butanone
Concen: 3.486 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016907.D
Acq: 20 Jun 2020 04:45

Tgt Ion: 43 Resp: 6787
Ion Ratio Lower Upper
43 100
72 30.3 23.5 35.3





#33

1,2-Dichloroethane-d4

Concen: 45.762 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

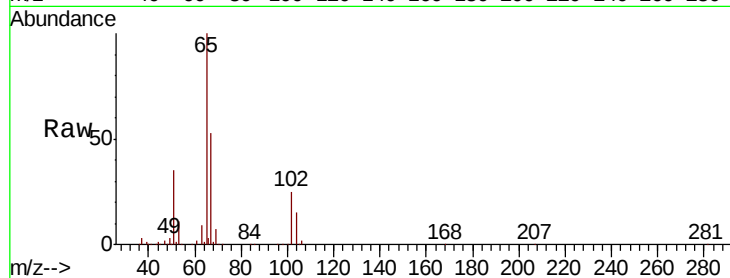
TW-6

Tot Ion: 65 Resp: 178338

Ion Ratio Lower Upper

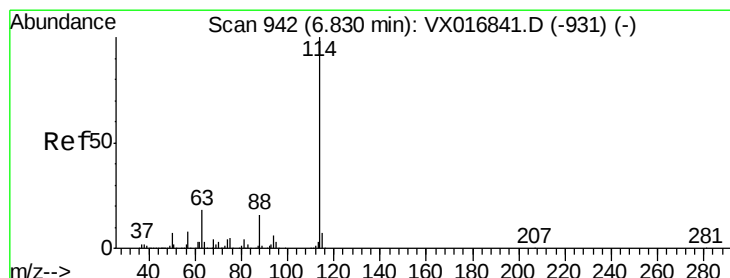
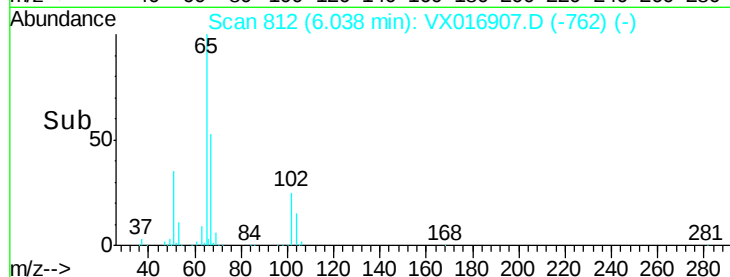
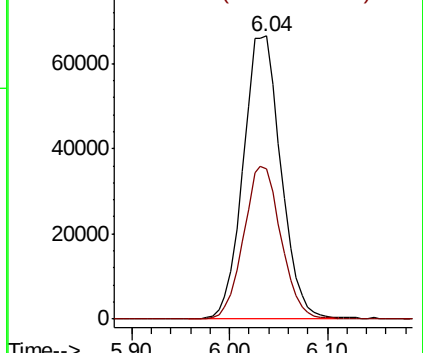
65 100

67 53.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

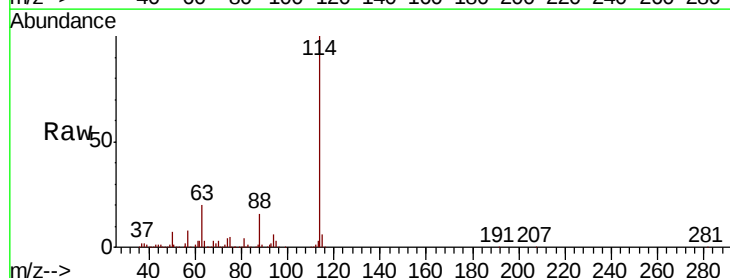
Tgt Ion: 114 Resp: 474084

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.0

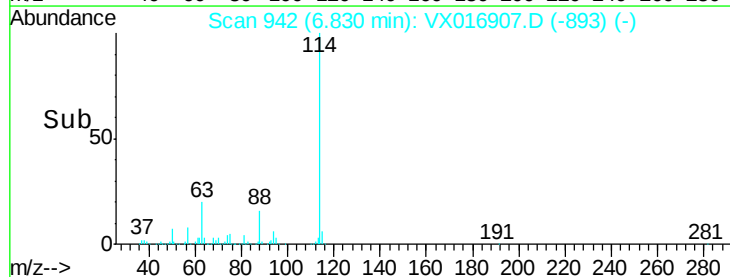
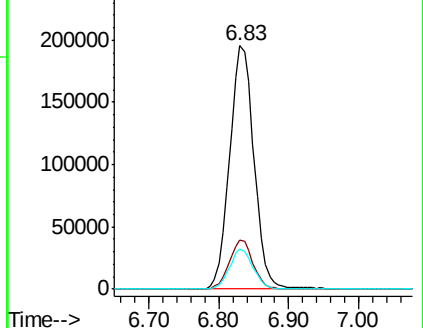
88 16.4 0.0 32.0

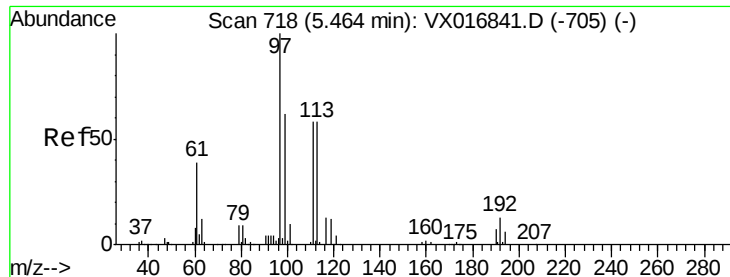


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 56.181 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

TW-6

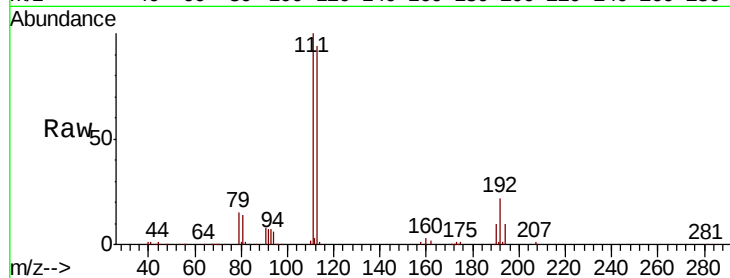
Tot Ion:113 Resp: 170380

Ion Ratio Lower Upper

113 100

111 103.6 81.0 121.4

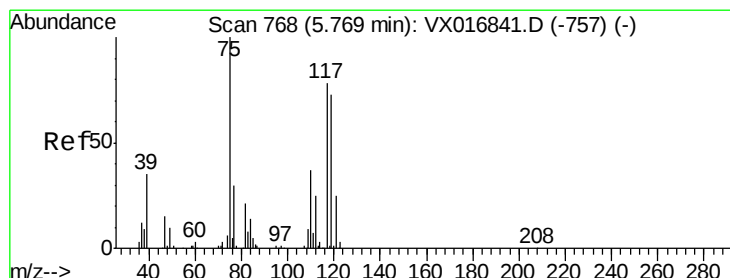
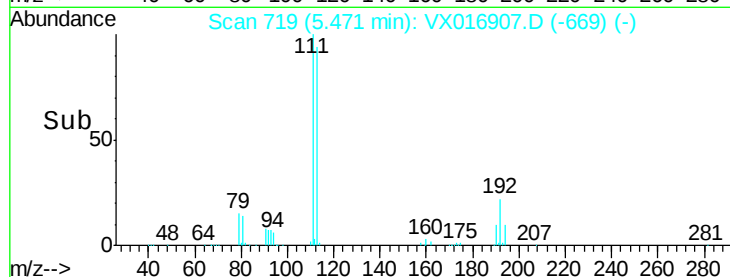
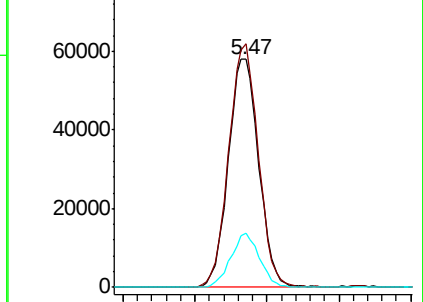
192 22.4 18.5 27.7



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: 5.237 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

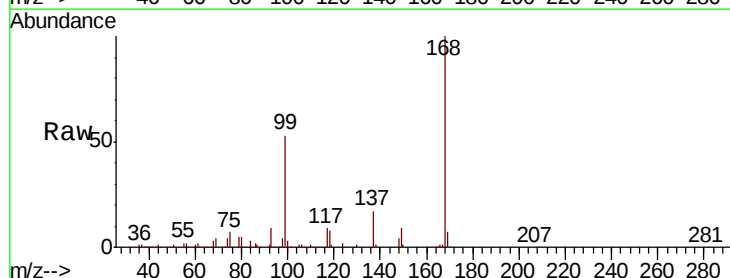
Tgt Ion: 75 Resp: 22923

Ion Ratio Lower Upper

75 100

110 9.2 18.9 56.9#

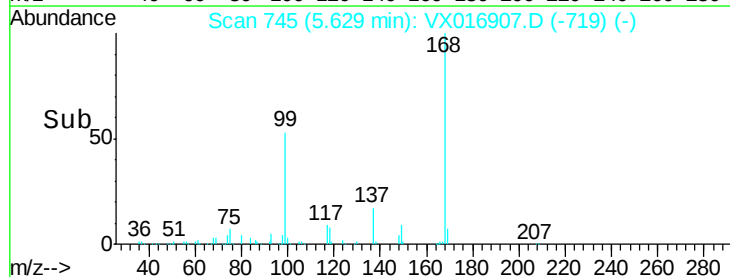
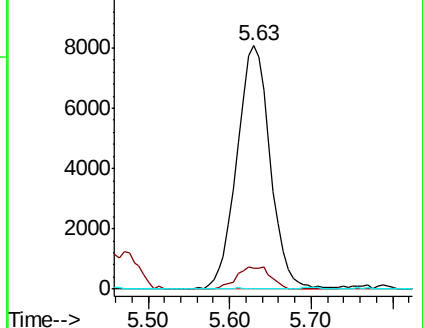
77 0.0 25.6 38.4#

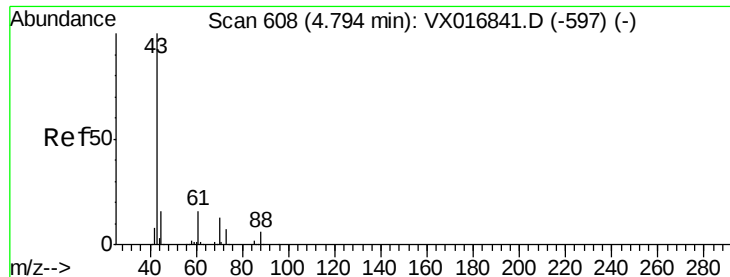


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

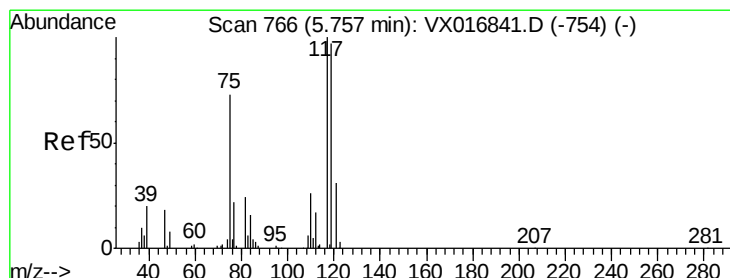
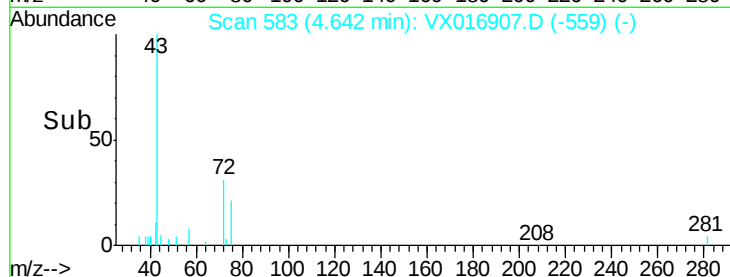
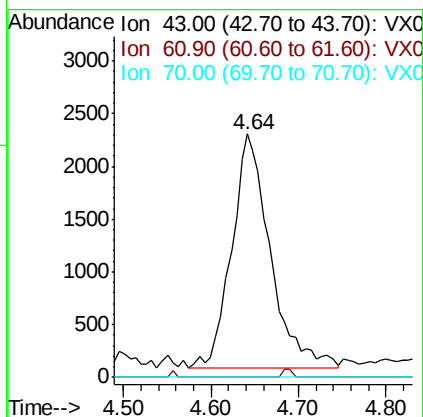
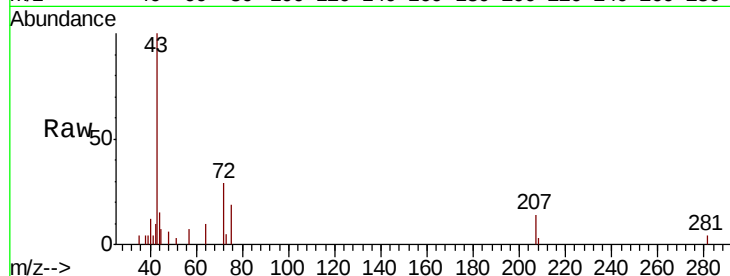




#37
Ethyl Acetate
Concen: 1.755 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.15 min
Lab File: VX016907.D
Acq: 20 Jun 2020 04:45

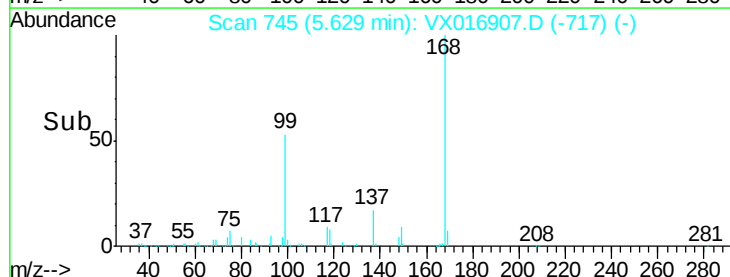
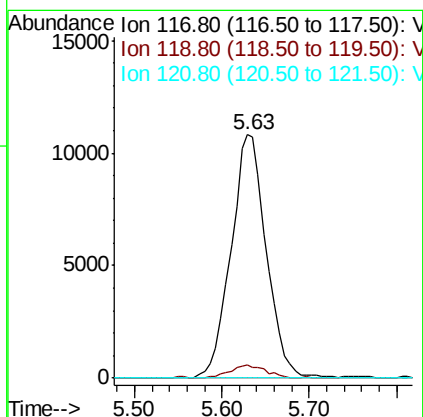
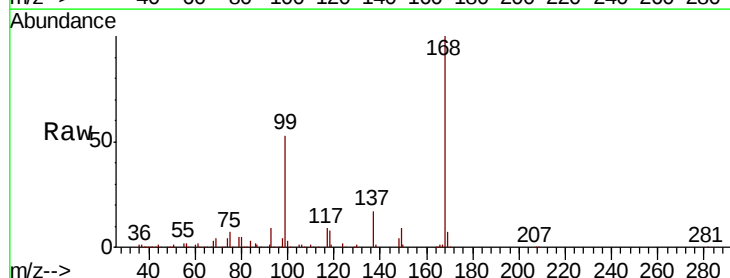
Instrument :
MSVOA_X
ClientSampleId :
TW-6

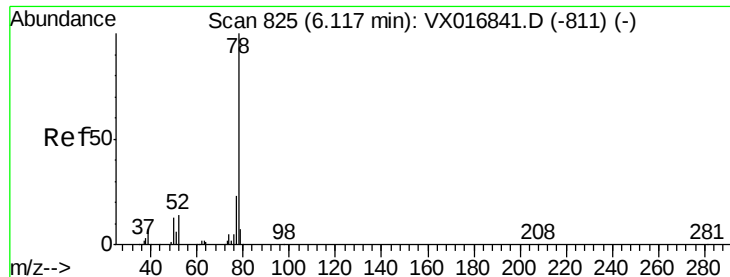
Tot Ion: 43 Resp: 6787
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 6.169 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016907.D
Acq: 20 Jun 2020 04:45

Tgt Ion: 117 Resp: 30301
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.2#
121 0.0 24.7 37.1#





#40

Benzene

Concen: 0.448 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

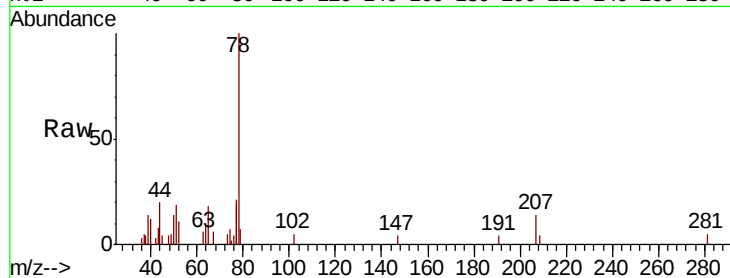
TW-6

Tot Ion: 78 Resp: 5886

Ion Ratio Lower Upper

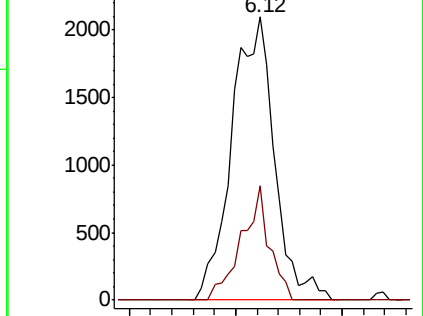
78 100

77 40.2 18.6 27.8#

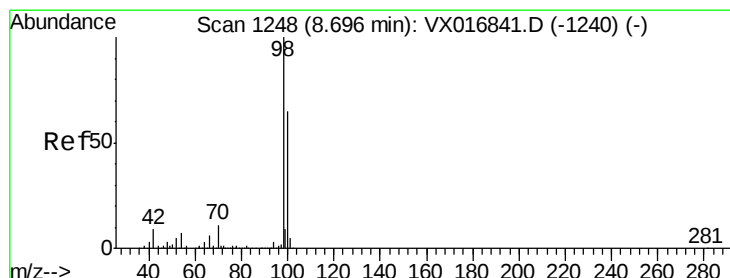
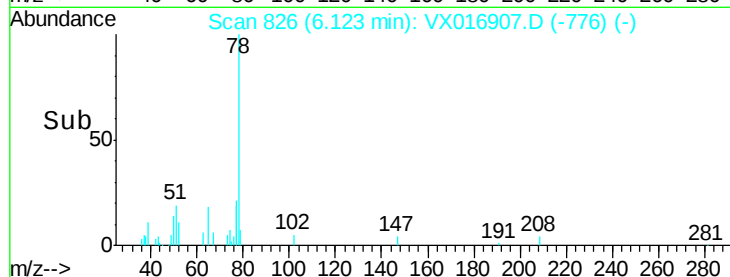


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 47.801 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016907.D

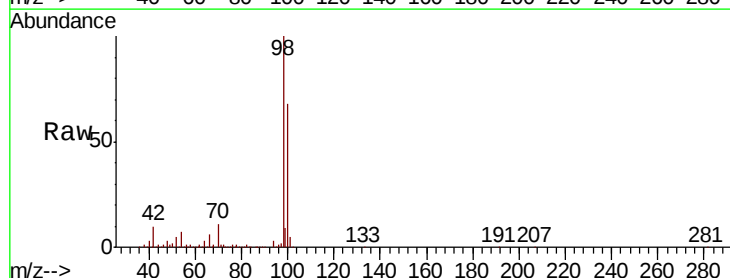
Acq: 20 Jun 2020 04:45

Tgt Ion: 98 Resp: 579989

Ion Ratio Lower Upper

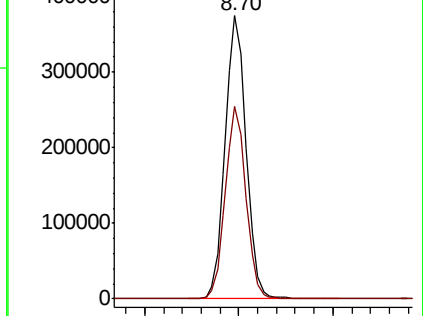
98 100

100 67.1 54.0 81.0

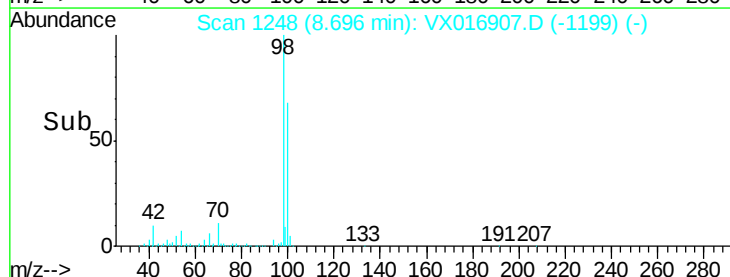


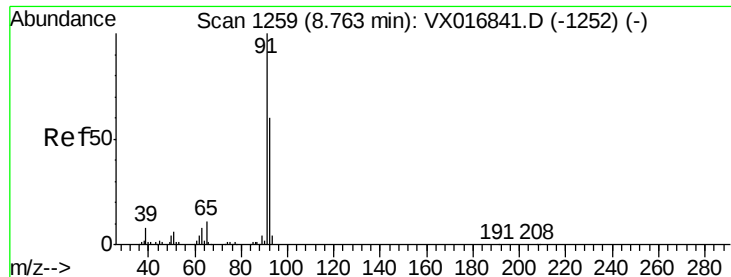
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#52

Toluene

Concen: 0.630 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampled :

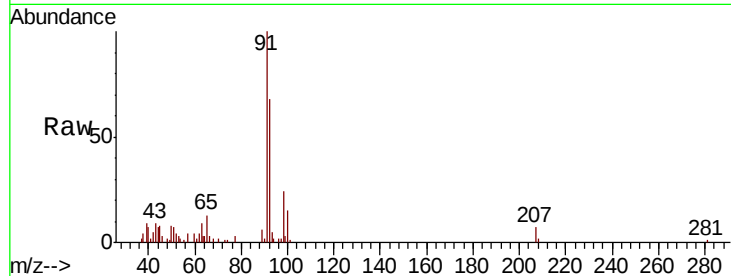
TW-6

Tot Ion: 92 Resp: 5489

Ion Ratio Lower Upper

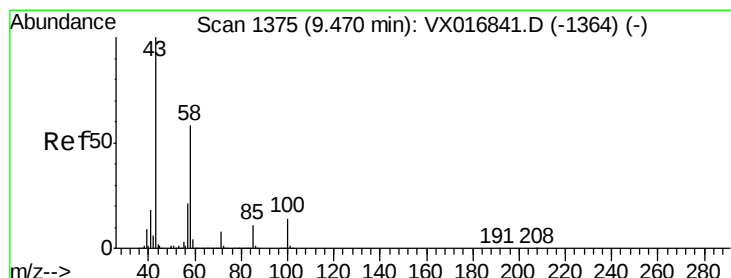
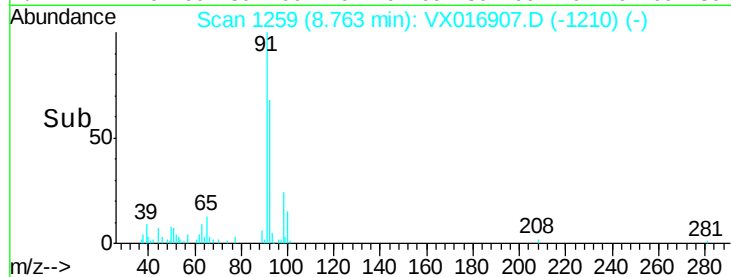
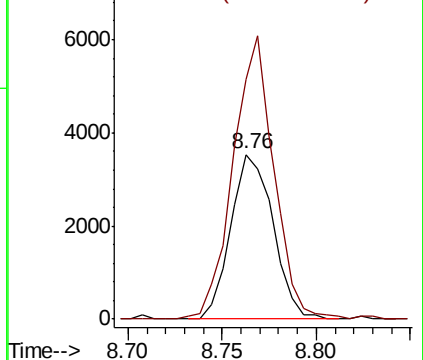
92 100

91 166.0 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.350 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX016907.D

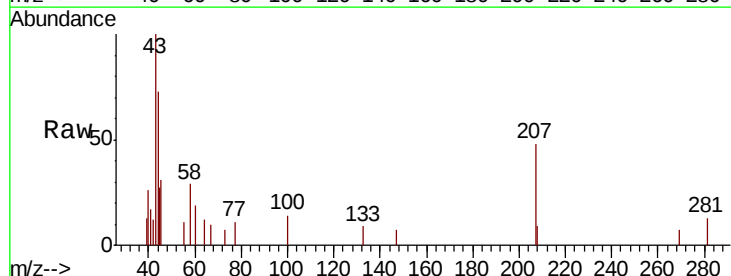
Acq: 20 Jun 2020 04:45

Tgt Ion: 43 Resp: 1030

Ion Ratio Lower Upper

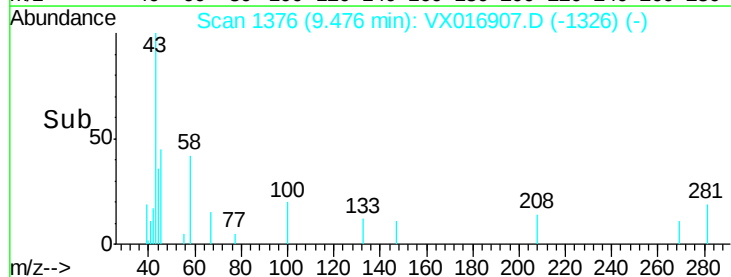
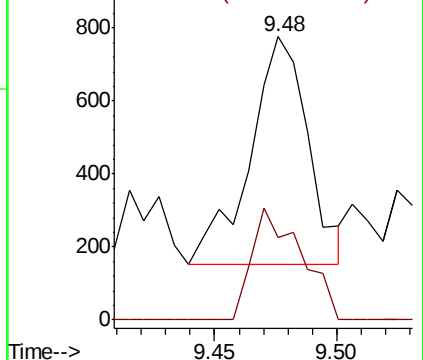
43 100

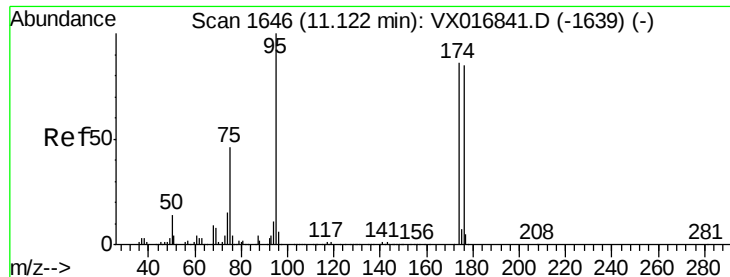
58 42.0 29.8 89.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 62.726 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

TW-6

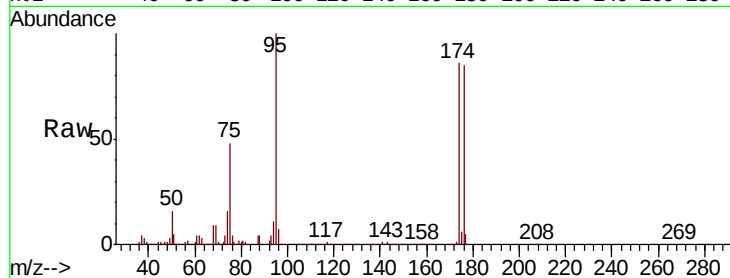
Tot Ion: 95 Resp: 291602

Ion Ratio Lower Upper

95 100

174 85.0 0.0 174.2

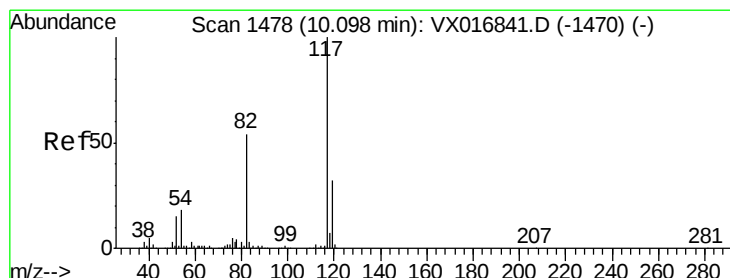
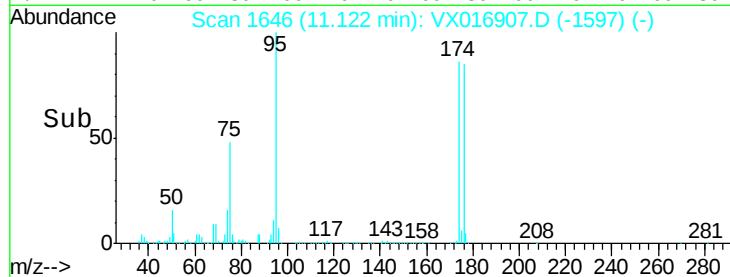
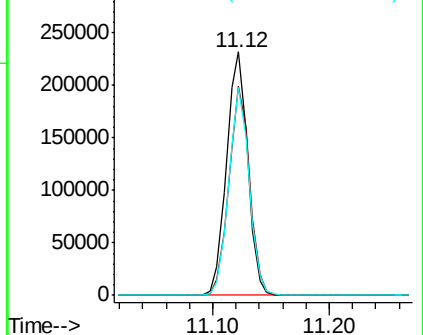
176 82.5 0.0 170.0



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: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

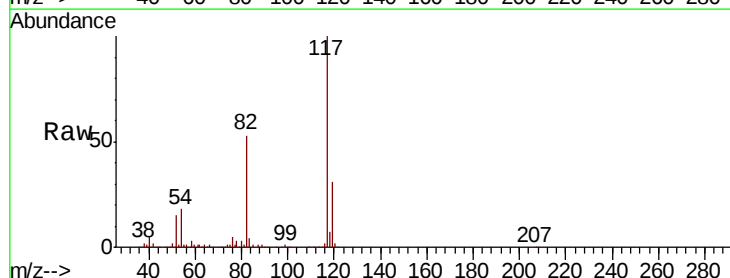
Tgt Ion: 117 Resp: 484464

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

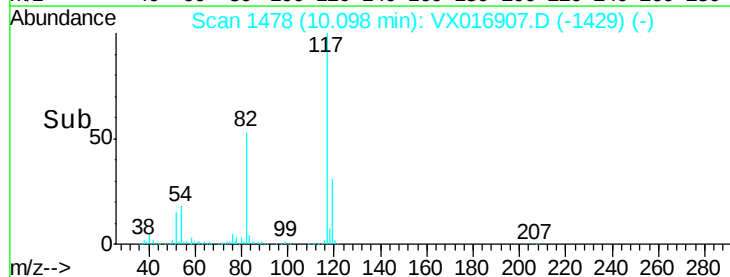
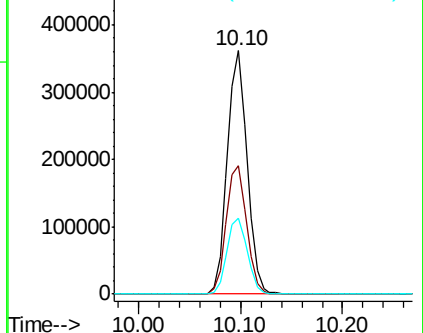
119 31.3 25.7 38.5

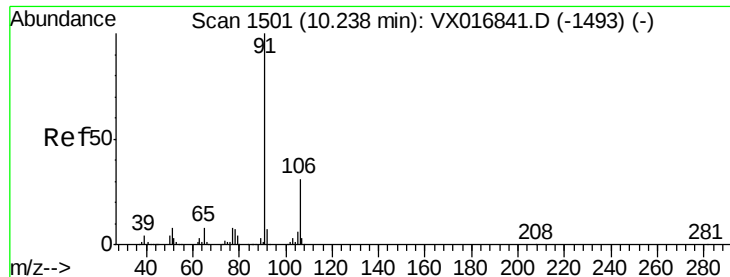


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.202 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

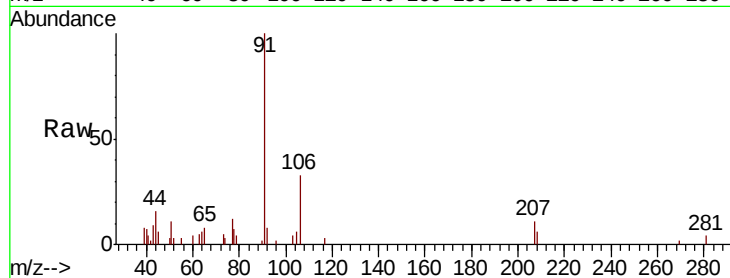
TW-6

Tot Ion: 91 Resp: 3336

Ion Ratio Lower Upper

91 100

106 33.5 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016841.D (-1493) (-)

Ion 106.00 (105.70 to 106.70): VX016841.D (-1493) (-)

10.24

2500

2000

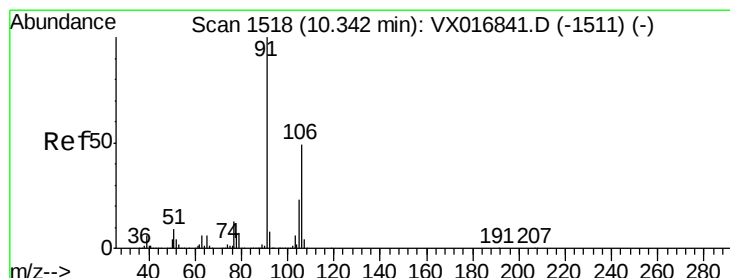
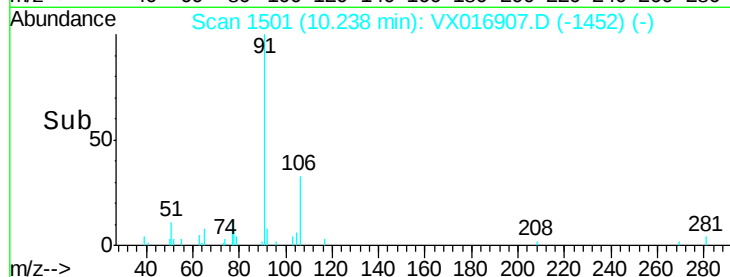
1500

1000

500

0

Time-->



#68

m/p-Xylenes

Concen: 0.295 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016907.D

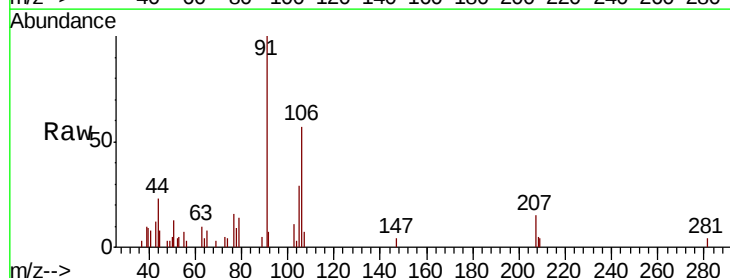
Acq: 20 Jun 2020 04:45

Tgt Ion: 106 Resp: 1902

Ion Ratio Lower Upper

106 100

91 198.6 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VX016841.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX016841.D (-1511) (-)

10.34

2500

2000

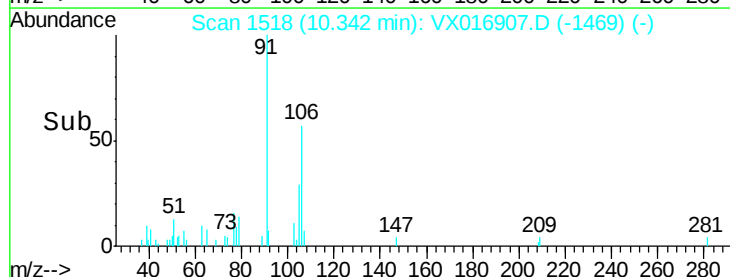
1500

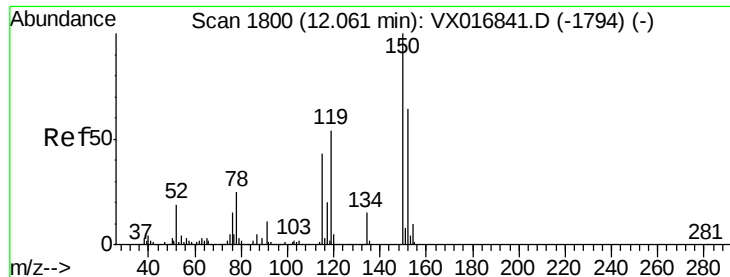
1000

500

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

TW-6

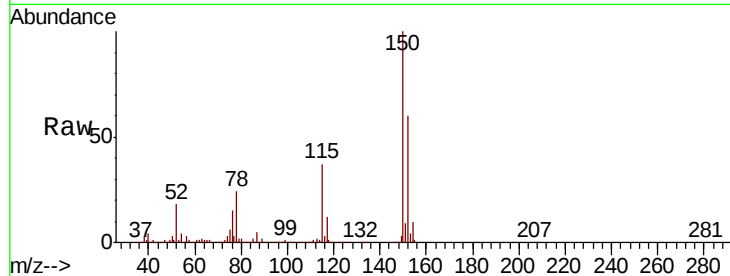
Tot Ion:152 Resp: 302431

Ion Ratio Lower Upper

152 100

115 59.2 40.9 122.8

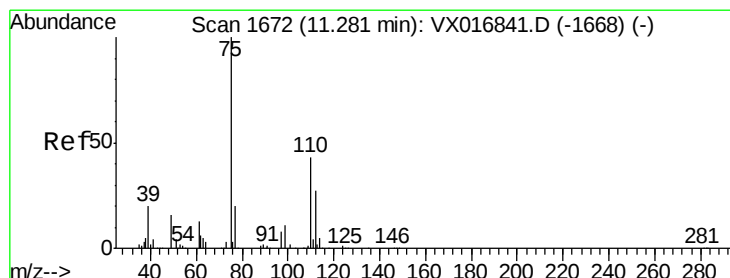
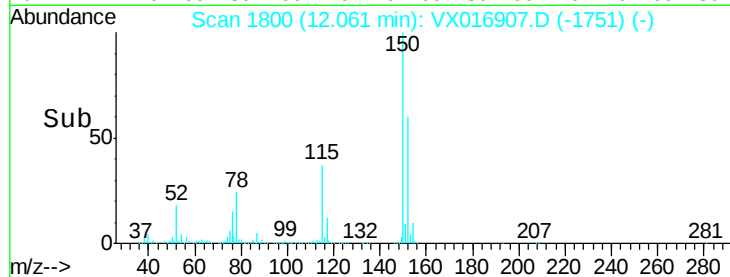
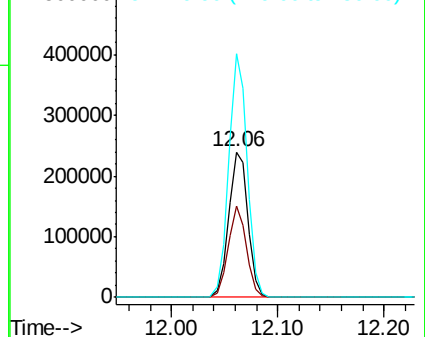
150 160.7 0.0 344.2



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: 25.344 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016907.D

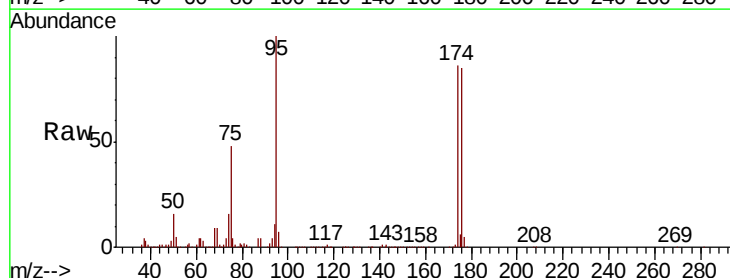
Acq: 20 Jun 2020 04:45

Tgt Ion: 75 Resp: 139983

Ion Ratio Lower Upper

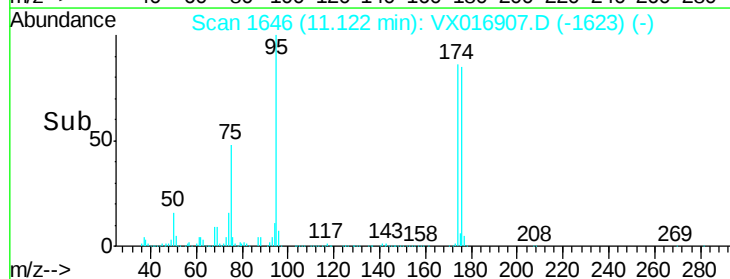
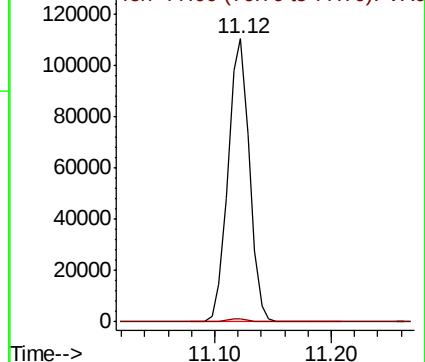
75 100

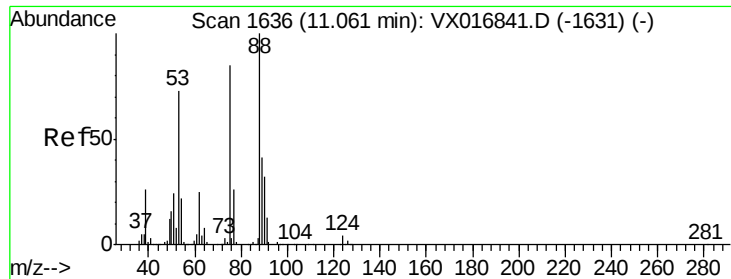
77 1.3 20.5 61.5#



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: 62.063 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016907.D

Acq: 20 Jun 2020 04:45

Instrument :

MSVOA_X

ClientSampleId :

TW-6

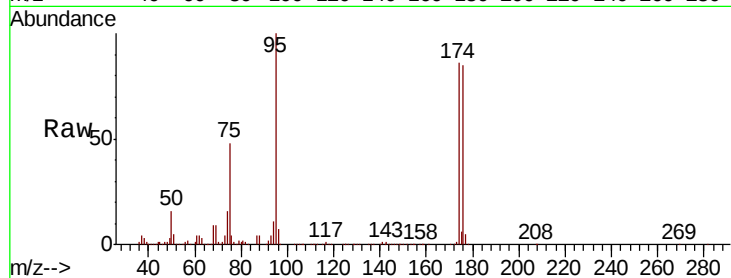
Tot Ion: 75 Resp: 139983

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.0 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

150000 Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

