

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018424.D
 Acq On : 15 Sep 2020 21:49
 Operator : JC/SP
 Sample : L4007-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11929

Quant Time: Sep 16 03:40:42 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	421313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	682190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	671409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	335873	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	311146	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
35) Dibromofluoromethane	5.46	113	227567	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	8.70	98	844055	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.12	95	316166	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

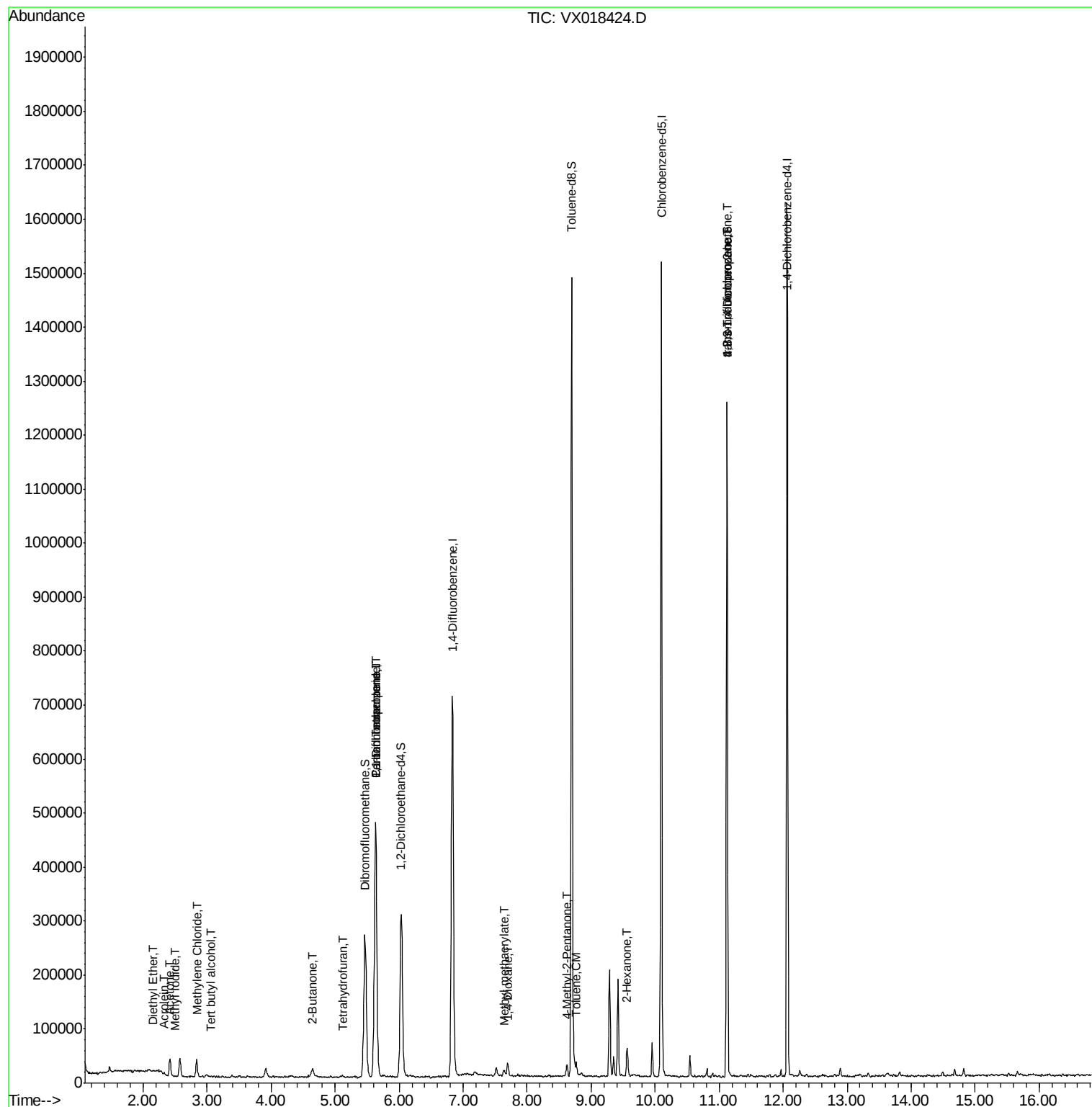
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.16	74	667	0.268	ug/l	76
10) Methyl Iodide	2.50	142	184	5.325	ug/l #	26
11) Tert butyl alcohol	3.06	59	576	0.506	ug/l #	1
13) Acrolein	2.31	56	98	0.208	ug/l #	1
16) Acetone	2.42	43	36299	15.927	ug/l #	87
20) Methylene Chloride	2.84	84	13808	1.838	ug/l	91
25) 2-Butanone	4.65	43	7299	1.949	ug/l #	88
29) Tetrahydrofuran	5.12	42	1082	0.454	ug/l	96
36) 1,1-Dichloropropene	5.64	75	33861	5.381	ug/l #	52
38) Carbon Tetrachloride	5.64	117	44110	6.221	ug/l #	17
48) Methyl methacrylate	7.65	41	9901	1.685	ug/l #	16
49) 1,4-Dioxane	7.71	88	264	2.480	ug/l #	23
51) 4-Methyl-2-Pentanone	8.62	43	17894	2.454	ug/l	90
52) Toluene	8.77	92	7852	0.670	ug/l	98
59) 2-Hexanone	9.56	43	7849	1.416	ug/l	68
76) 1,2,3-Trichloropropane	11.12	75	165052	22.091	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	165052	59.663	ug/l #	12

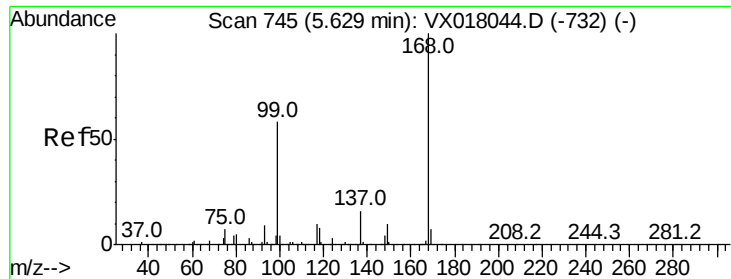
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampleId :

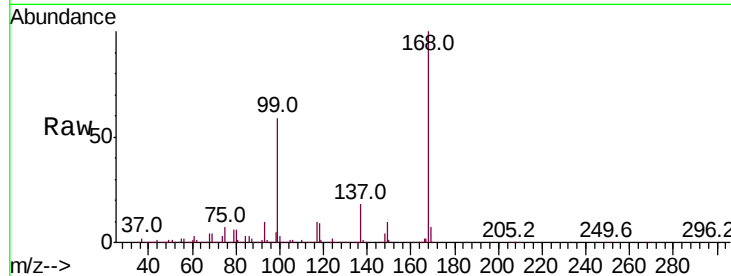
72-11929

Tot Ion:168 Resp: 421313

Ion Ratio Lower Upper

168 100

99 59.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

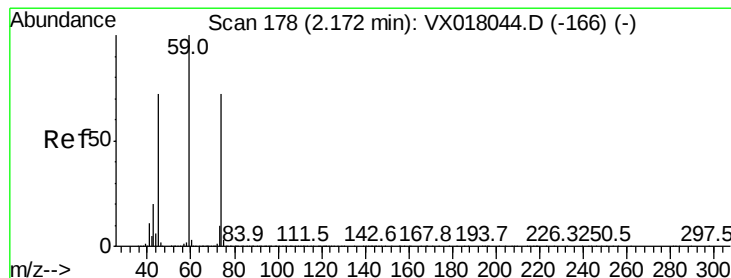
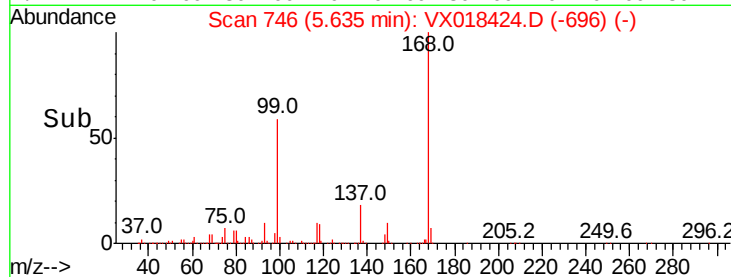
100000

50000

0

5.50 5.60 5.70

Time-->



#8

Diethyl Ether

Concen: 0.268 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX018424.D

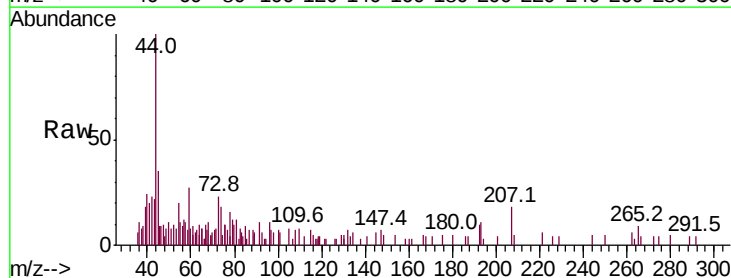
Acq: 15 Sep 2020 21:49

Tgt Ion: 74 Resp: 667

Ion Ratio Lower Upper

74 100

45 125.9 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

600

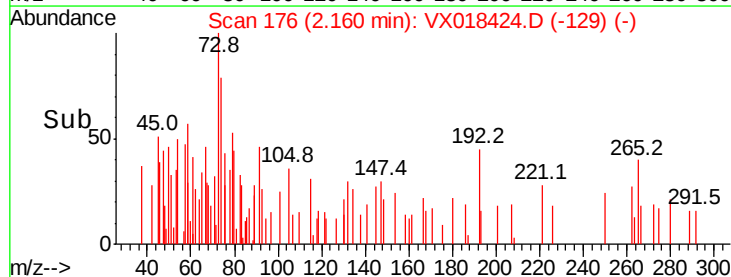
400

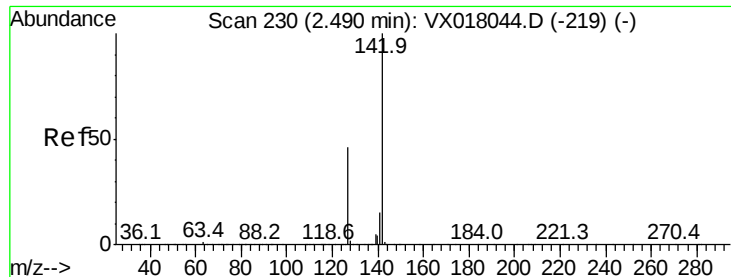
200

0

2.15 2.20

Time-->





#10

Methyl Iodide

Concen: 5.325 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampled :

72-11929

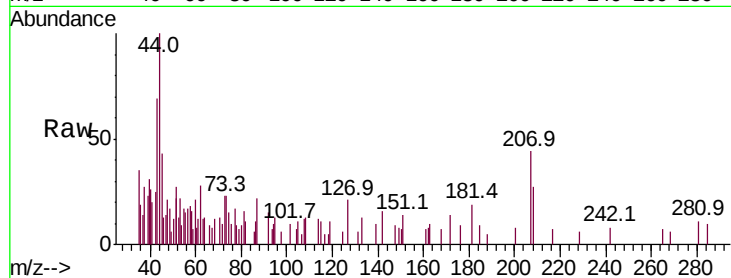
Tot Ion:142 Resp: 184

Ion Ratio Lower Upper

142 100

127 108.7 37.0 55.6#

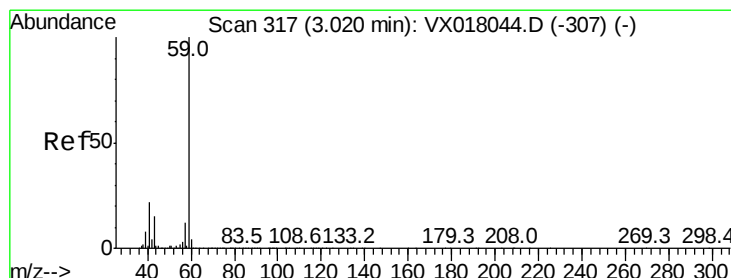
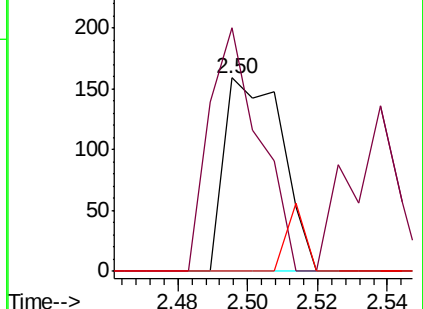
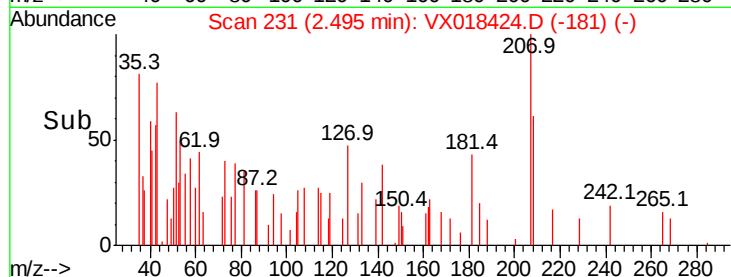
141 10.9 11.5 17.3#



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



#11

Tert butyl alcohol

Concen: 0.506 ug/l

RT: 3.06 min Scan# 323

Delta R.T. 0.04 min

Lab File: VX018424.D

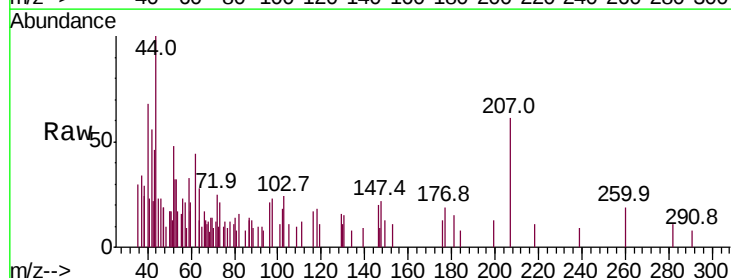
Acq: 15 Sep 2020 21:49

Tgt Ion: 59 Resp: 576

Ion Ratio Lower Upper

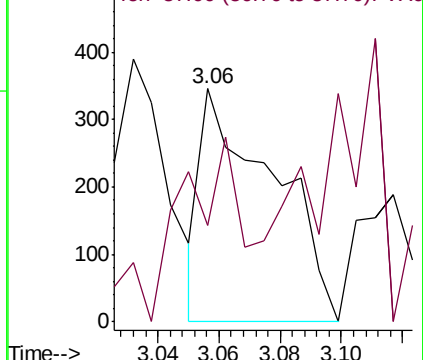
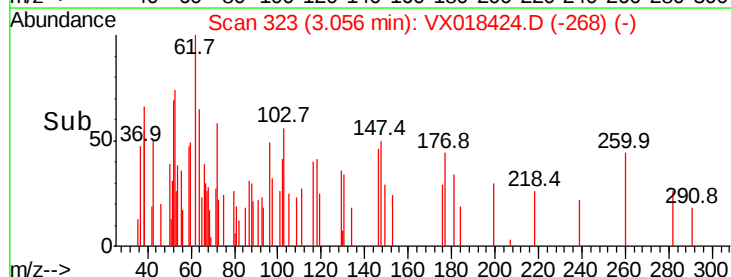
59 100

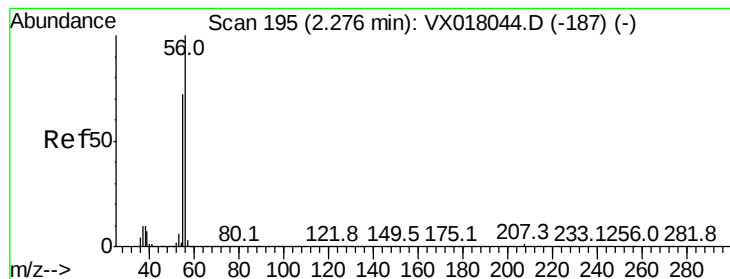
57 65.6 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.208 ug/l

RT: 2.31 min Scan# 201

Delta R.T. 0.04 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampleId :

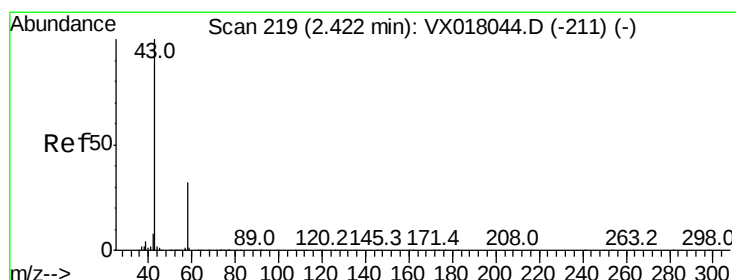
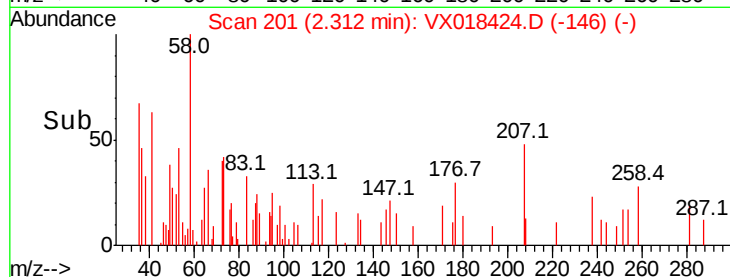
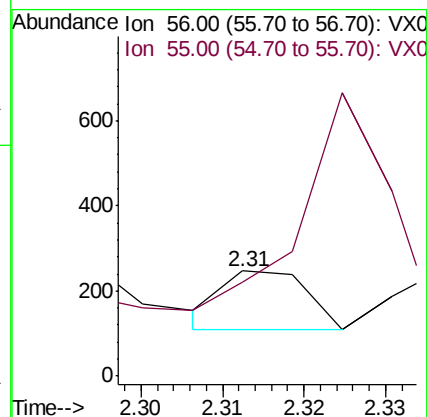
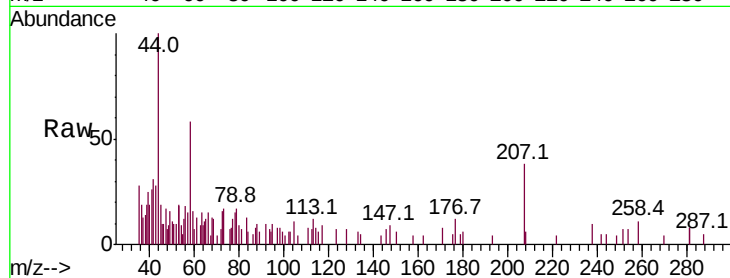
72-11929

Tot Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 455.1 57.0 85.6#



#16

Acetone

Concen: 15.927 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018424.D

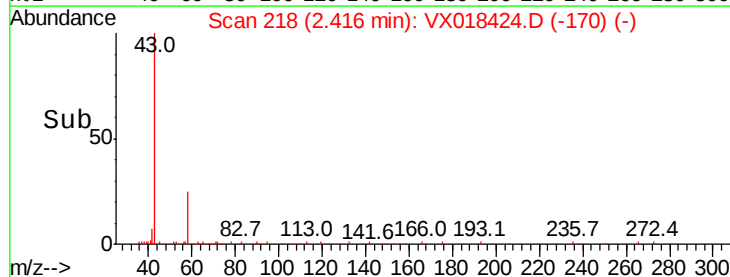
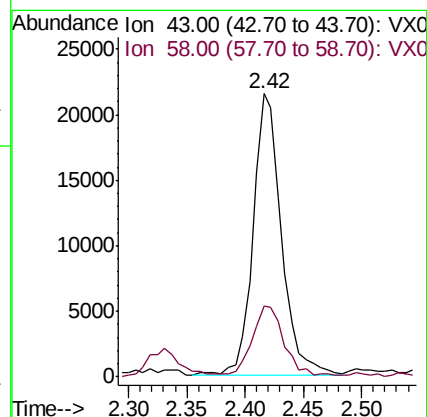
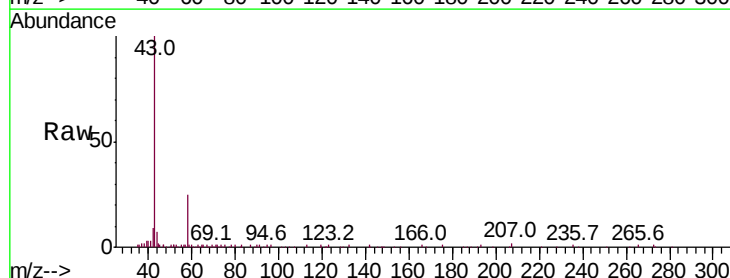
Acq: 15 Sep 2020 21:49

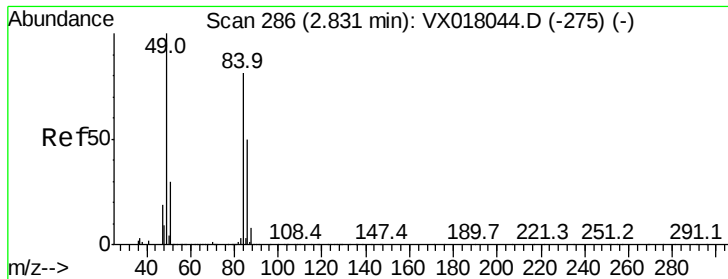
Tgt Ion: 43 Resp: 36299

Ion Ratio Lower Upper

43 100

58 24.8 25.5 38.3#

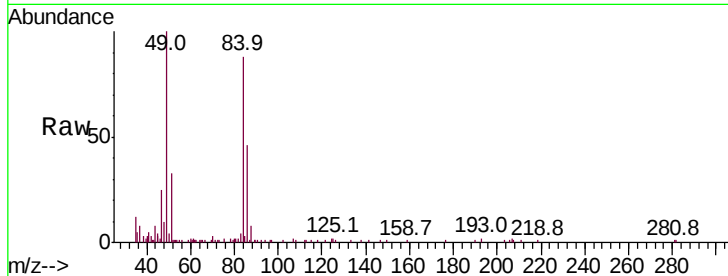




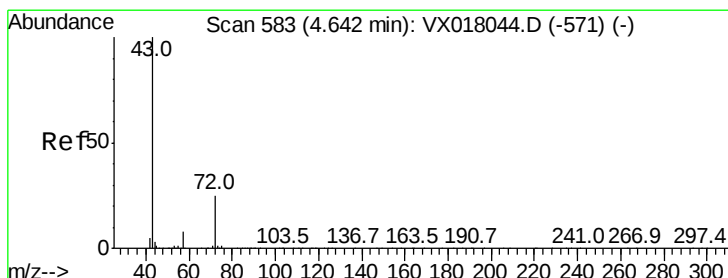
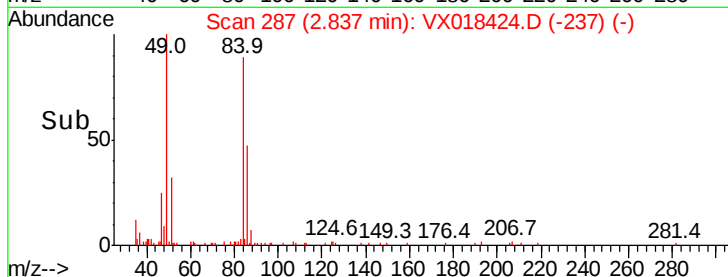
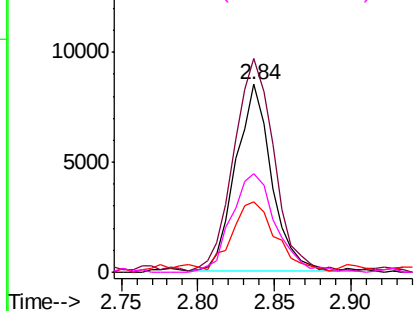
#20
Methvlene Chloride
Concen: 1.838 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018424.D
Acq: 15 Sep 2020 21:49

Instrument :
MSVOA_X
ClientSampleId :
72-11929

Tot Ion:	84	Resp:	13808
Ion	Ratio	Lower	Upper
84	100		
49	113.5	98.6	148.0
51	35.6	29.6	44.4
86	52.8	49.8	74.6

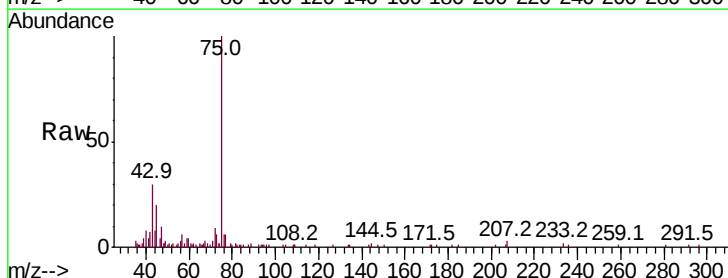


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

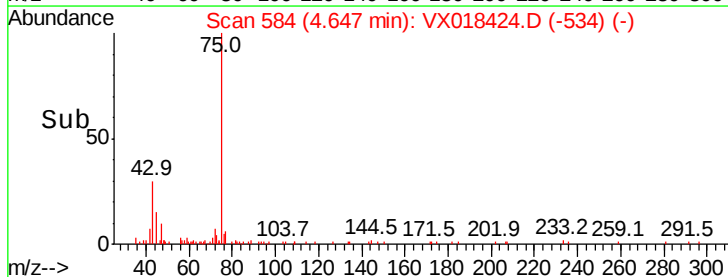
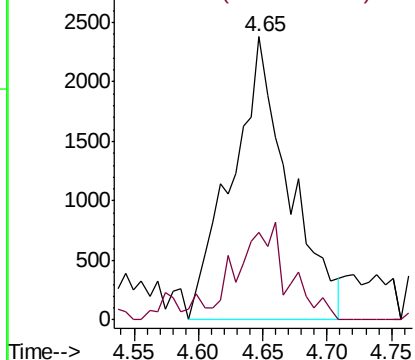


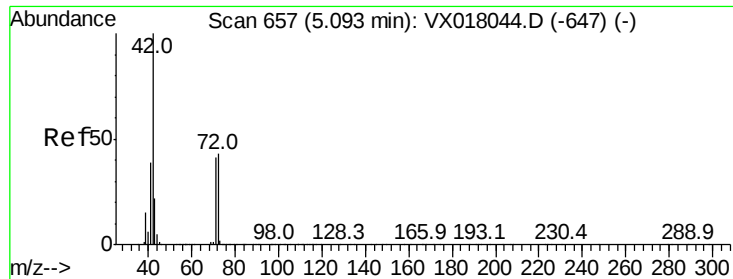
#25
2-Butanone
Concen: 1.949 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018424.D
Acq: 15 Sep 2020 21:49

Tgt Ion:	43	Resp:	7299
Ion	Ratio	Lower	Upper
43	100		
72	30.9	19.8	29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.454 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampleId :

72-11929

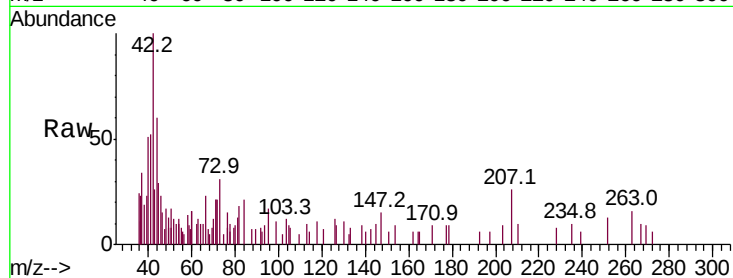
Tot Ion: 42 Resp: 1082

Ion Ratio Lower Upper

42 100

72 43.8 34.2 51.4

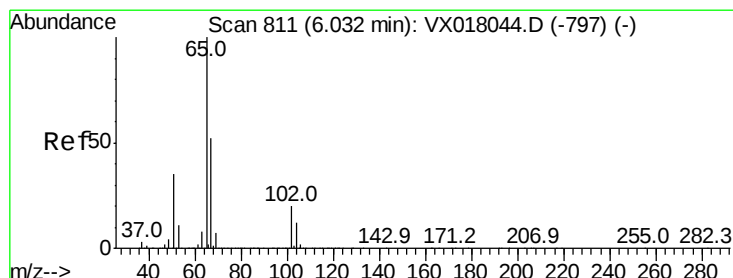
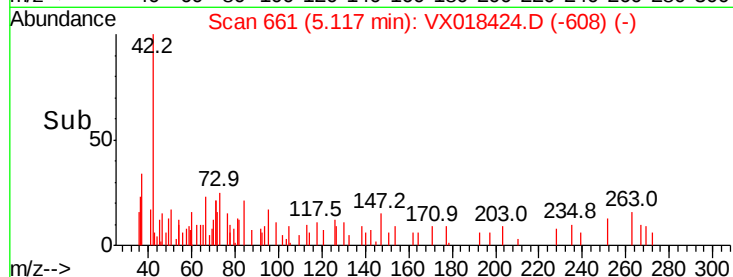
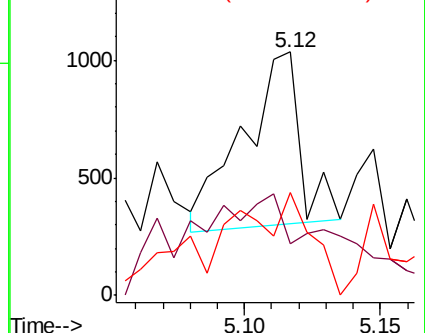
71 36.6 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.197 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018424.D

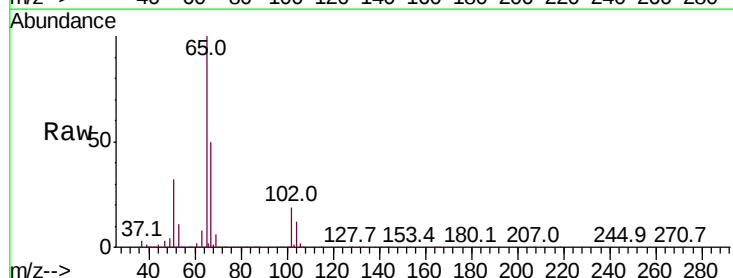
Acq: 15 Sep 2020 21:49

Tgt Ion: 65 Resp: 311146

Ion Ratio Lower Upper

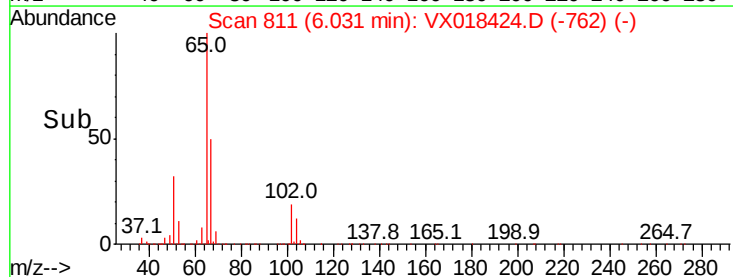
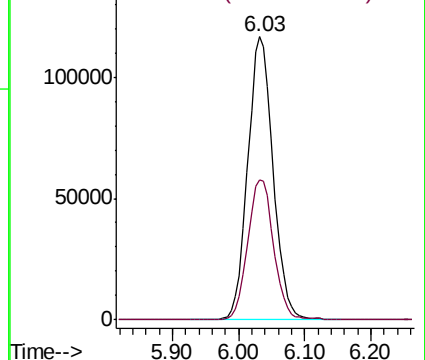
65 100

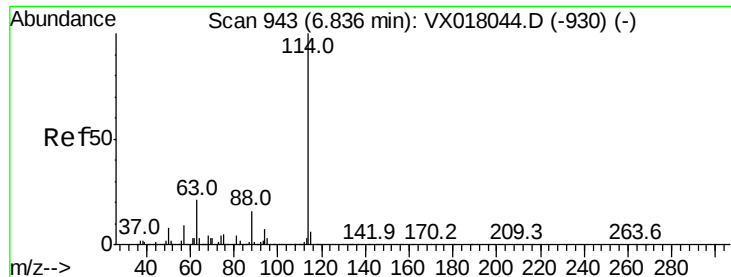
67 50.6 0.0 105.8



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. -0.01 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

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ClientSampleId :

72-11929

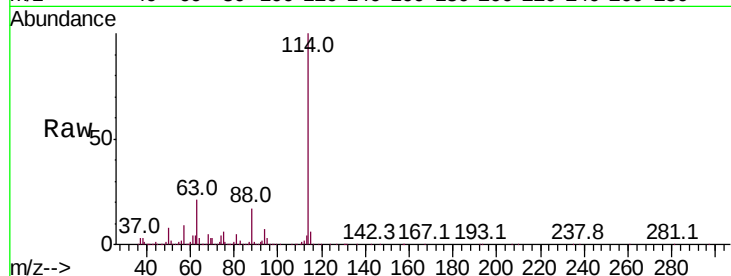
Tot Ion:114 Resp: 682190

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

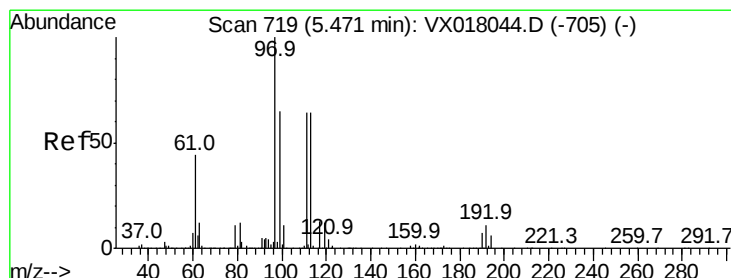
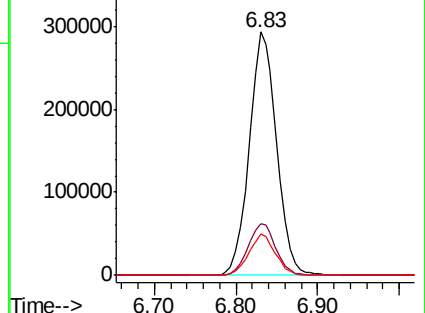
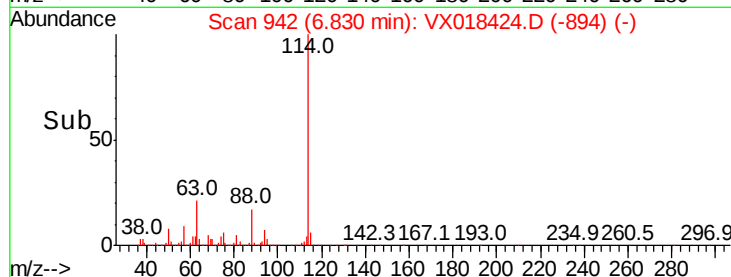
88 16.9 0.0 31.8



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: 48.981 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

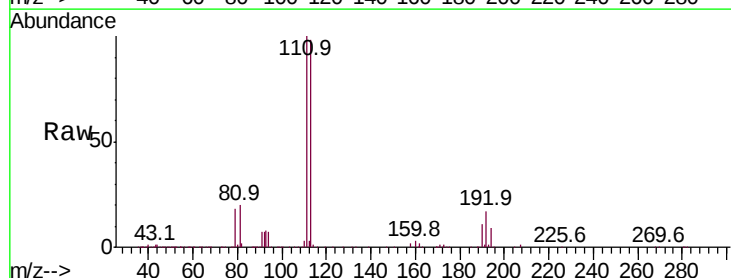
Tgt Ion:113 Resp: 227567

Ion Ratio Lower Upper

113 100

111 103.7 81.6 122.4

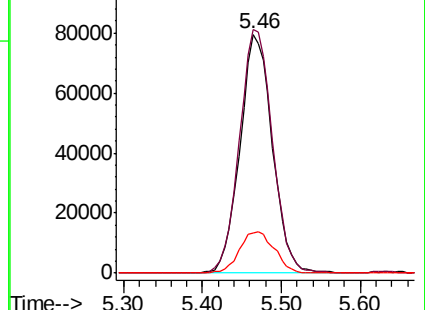
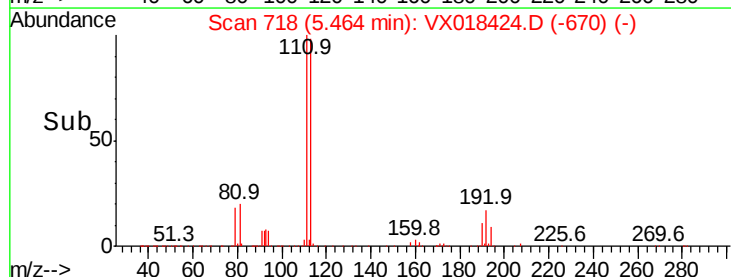
192 18.8 15.8 23.8

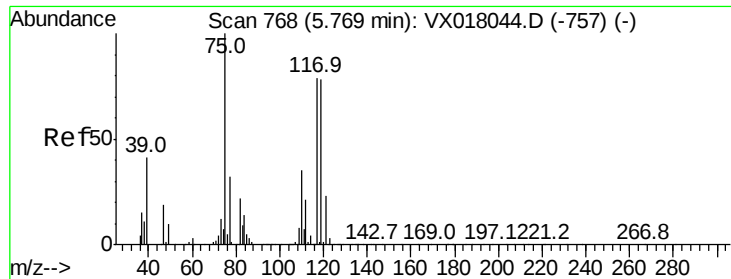


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.381 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

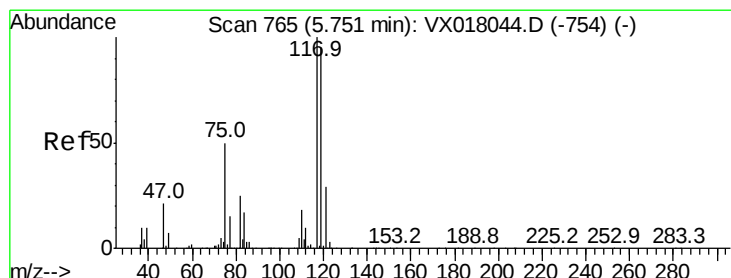
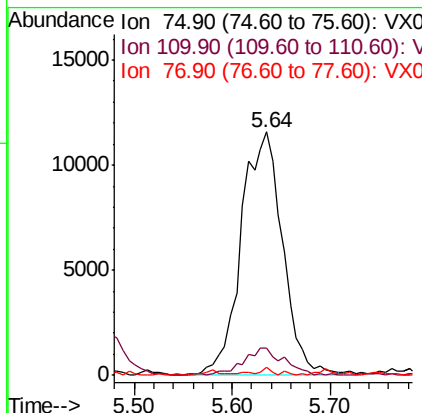
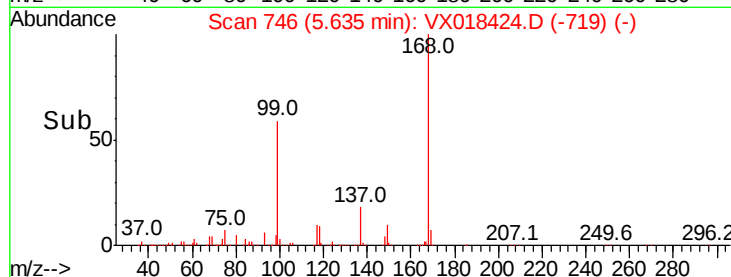
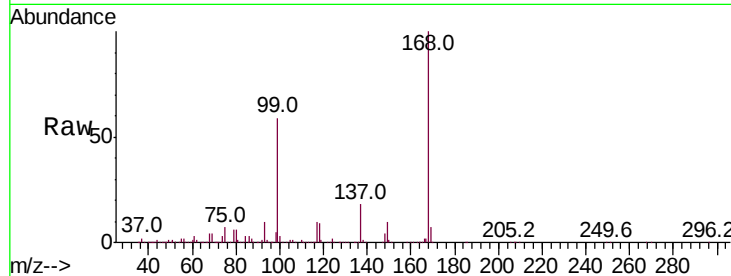
Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :
MSVOA_X
ClientSampleId :
72-11929

Tot Ion: 75 Resp: 33861

Ion	Ratio	Lower	Upper
75	100		
110	11.0	18.0	54.0#
77	0.7	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.221 ug/l

RT: 5.64 min Scan# 746

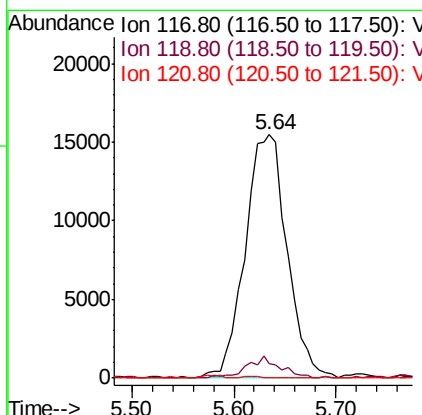
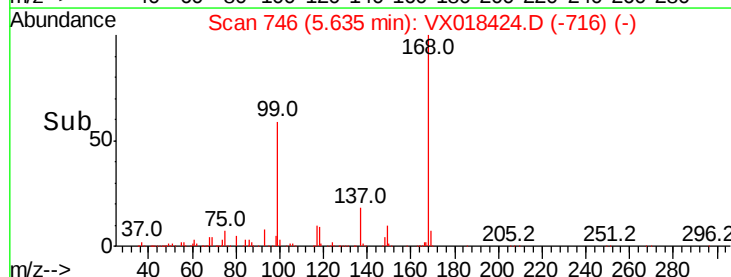
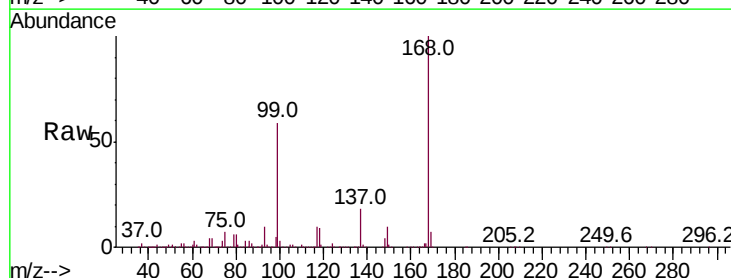
Delta R.T. -0.12 min

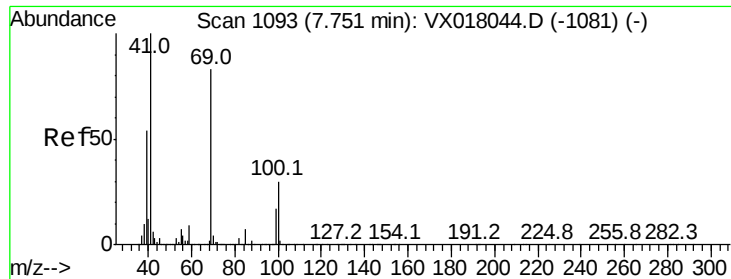
Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Tgt Ion: 117 Resp: 44110

Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.8	113.6#
121	0.0	23.4	35.0#

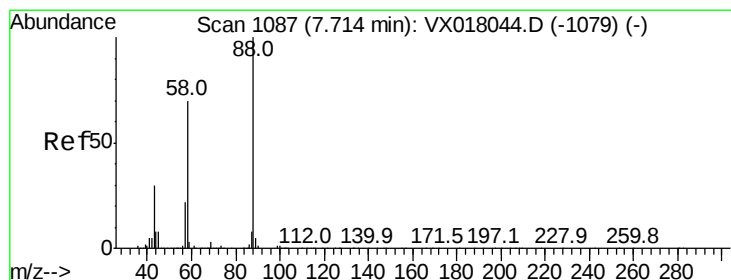
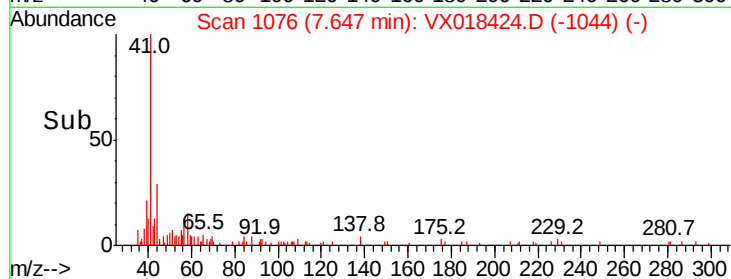
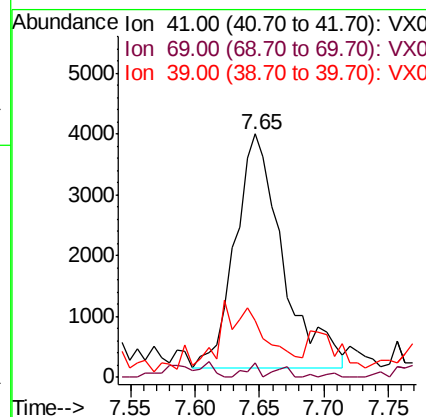
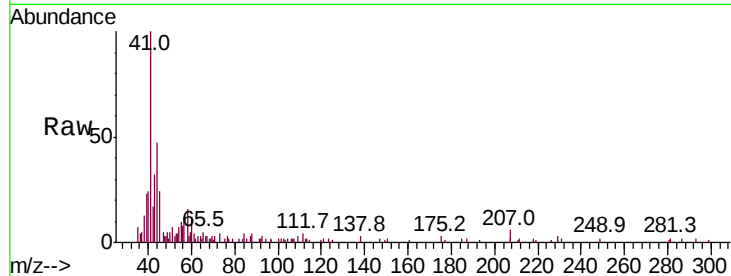




#48
Methyl methacrylate
Concen: 1.685 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX018424.D
Acq: 15 Sep 2020 21:49

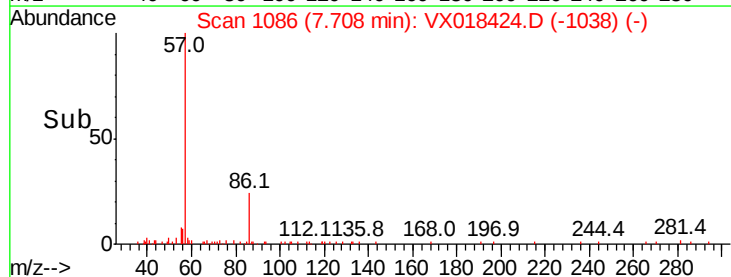
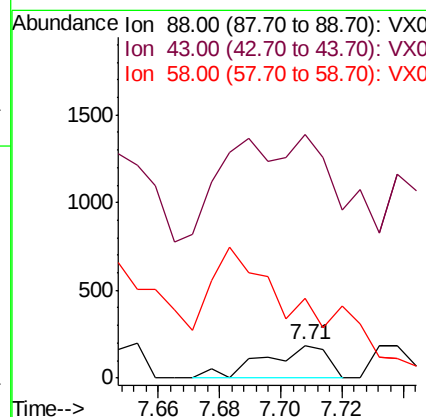
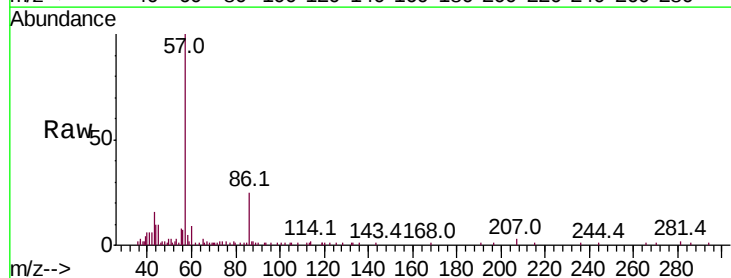
Instrument :
MSVOA_X
ClientSampled :
72-11929

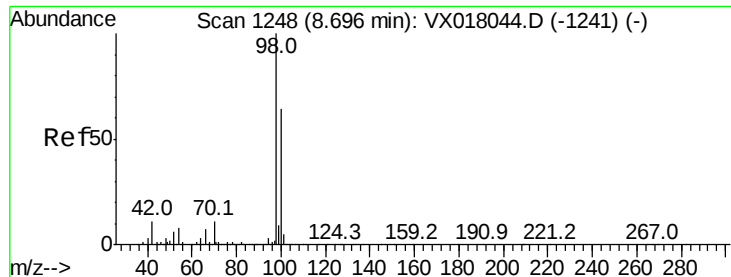
Tot Ion	Ratio	Lower	Upper
41	100		
69	1.6	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 2.480 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX018424.D
Acq: 15 Sep 2020 21:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	0.0	56.4	84.6#





#50

Toluene-d8

Concen: 48.777 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampleId :

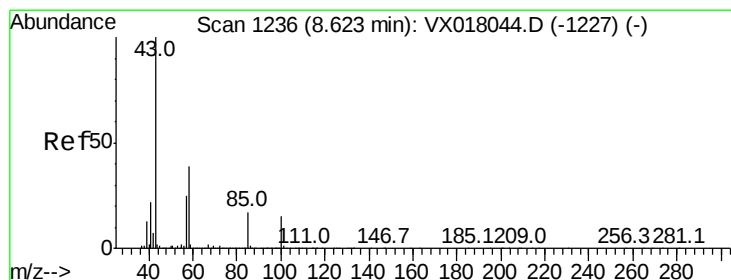
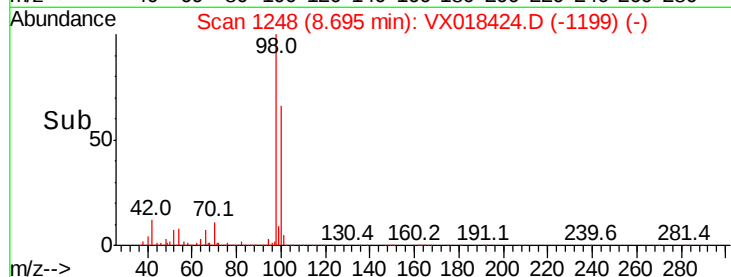
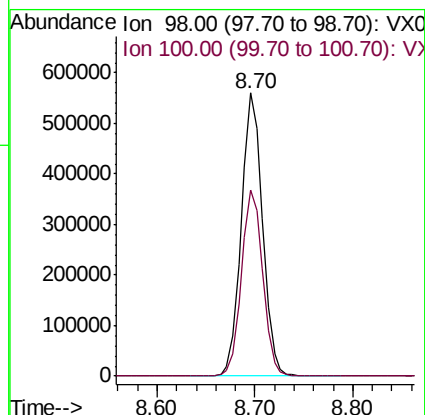
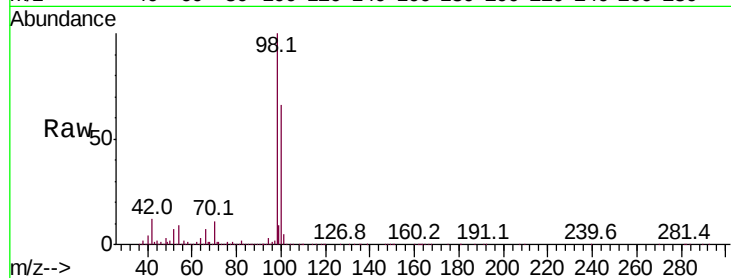
72-11929

Tot Ion: 98 Resp: 844055

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 2.454 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018424.D

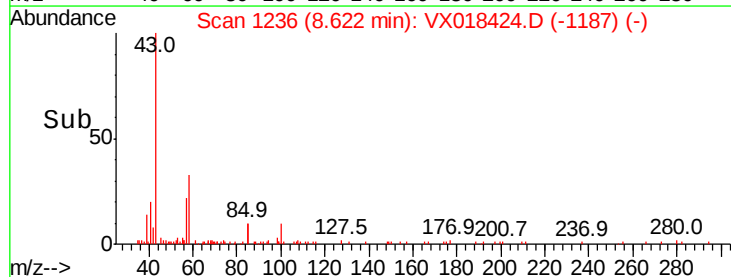
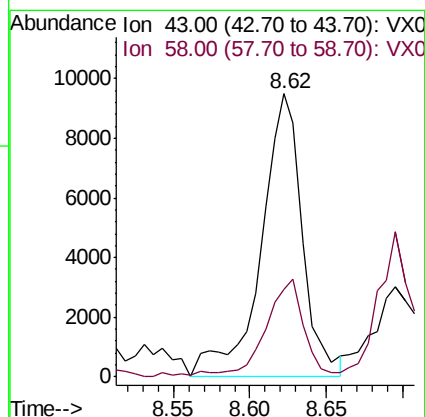
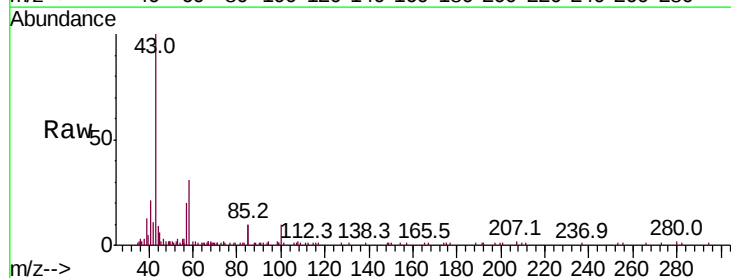
Acq: 15 Sep 2020 21:49

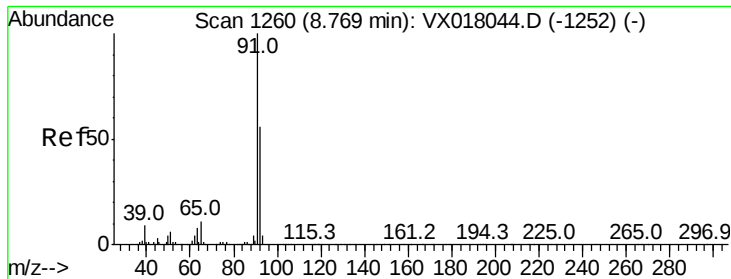
Tgt Ion: 43 Resp: 17894

Ion Ratio Lower Upper

43 100

58 32.4 30.7 46.1





#52

Toluene

Concen: 0.670 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampleId :

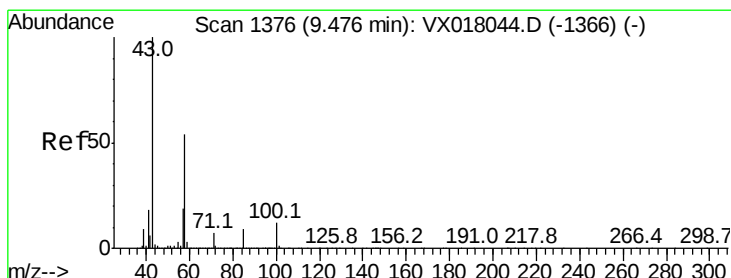
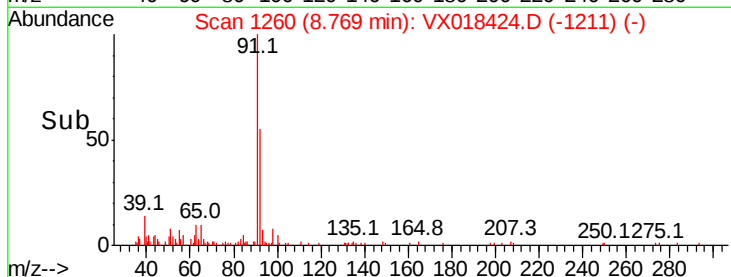
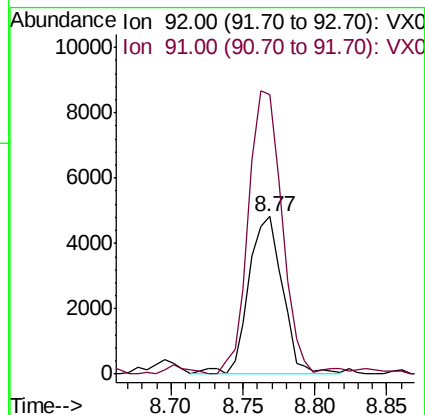
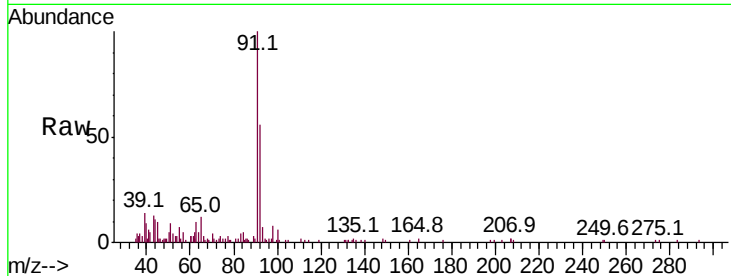
72-11929

Tot Ion: 92 Resp: 7852

Ion Ratio Lower Upper

92 100

91 177.6 140.3 210.5



#59

2-Hexanone

Concen: 1.416 ug/l

RT: 9.56 min Scan# 1389

Delta R.T. 0.08 min

Lab File: VX018424.D

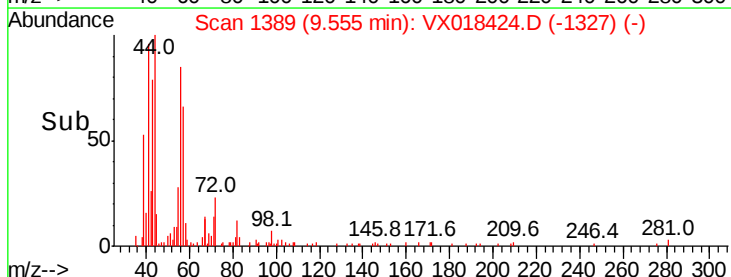
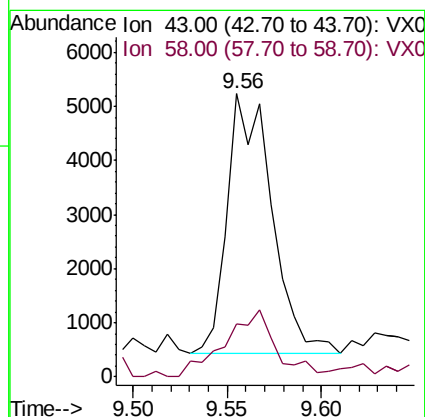
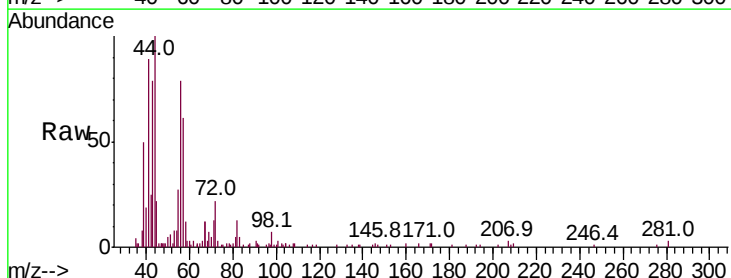
Acq: 15 Sep 2020 21:49

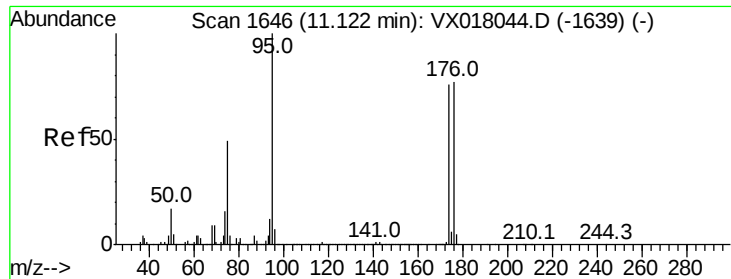
Tgt Ion: 43 Resp: 7849

Ion Ratio Lower Upper

43 100

58 30.4 26.6 79.7

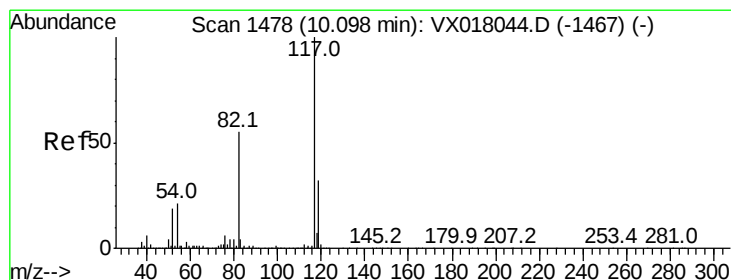
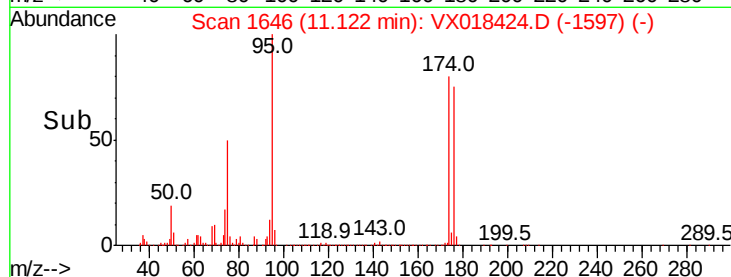
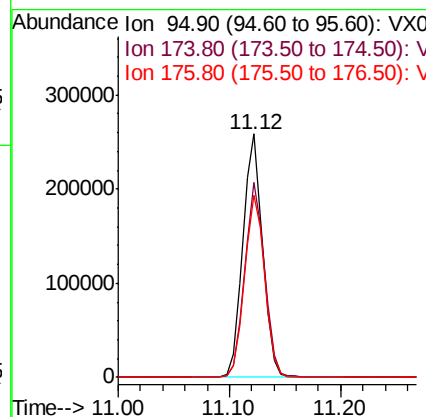
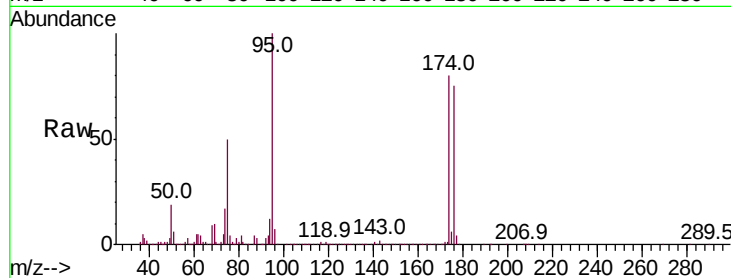




#62
4-Bromofluorobenzene
Concen: 46.439 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018424.D
Acq: 15 Sep 2020 21:49

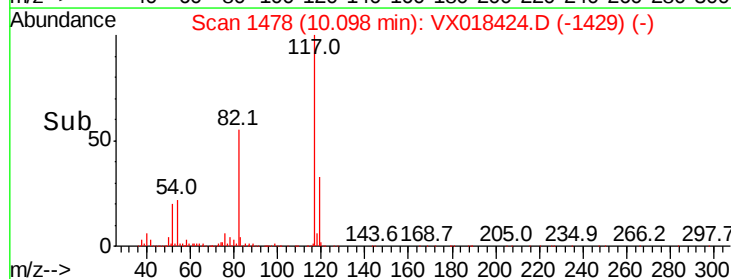
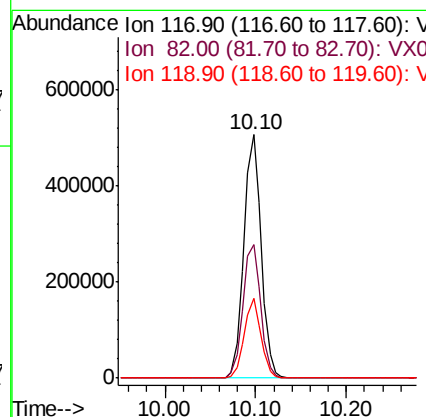
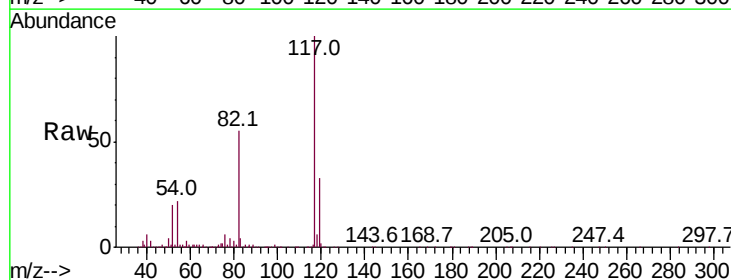
Instrument :
MSVOA_X
ClientSampleId :
72-11929

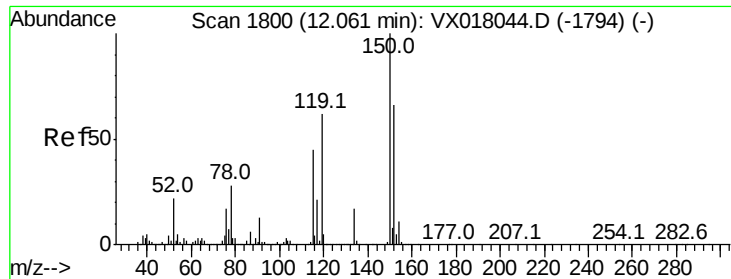
Tot Ion: 95 Resp: 316166
Ion Ratio Lower Upper
95 100
174 80.9 0.0 160.2
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018424.D
Acq: 15 Sep 2020 21:49

Tgt Ion: 117 Resp: 671409
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.5 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampleId :

72-11929

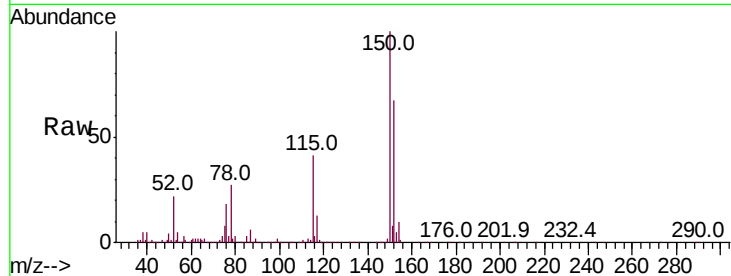
Tot Ion:152 Resp: 335873

Ion Ratio Lower Upper

152 100

115 58.6 41.5 124.5

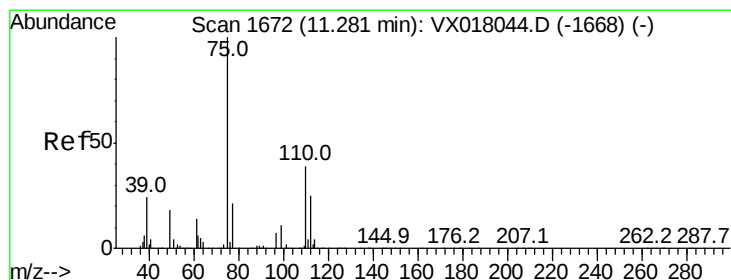
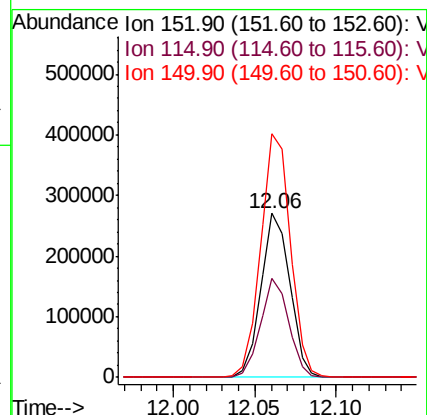
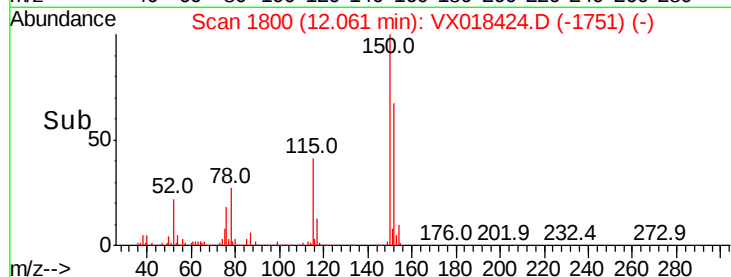
150 152.3 0.0 343.8



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: 22.091 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018424.D

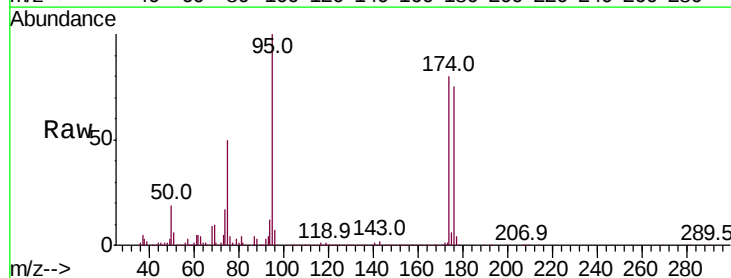
Acq: 15 Sep 2020 21:49

Tgt Ion: 75 Resp: 165052

Ion Ratio Lower Upper

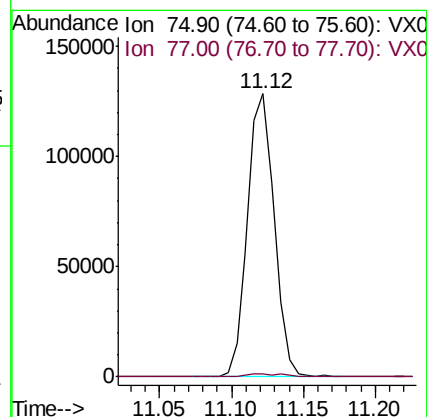
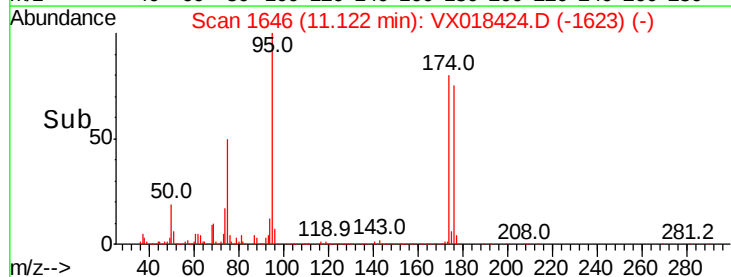
75 100

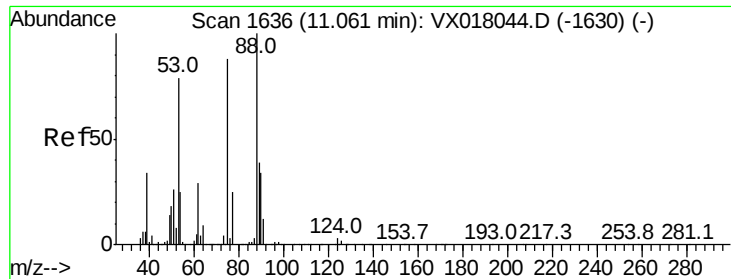
77 1.7 20.8 62.2#



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: 59.663 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018424.D

Acq: 15 Sep 2020 21:49

Instrument :

MSVOA_X

ClientSampleId :

72-11929

Tot Ion: 75 Resp: 165052

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.1 36.6 54.8#

