

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018376.D
 Acq On : 14 Sep 2020 11:10
 Operator : JC/SP
 Sample : VX0914WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:08:57 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	460307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	727091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	675693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	319843	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	320901	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	5.46	113	252422	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.70	98	869369	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.12	95	310721	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	

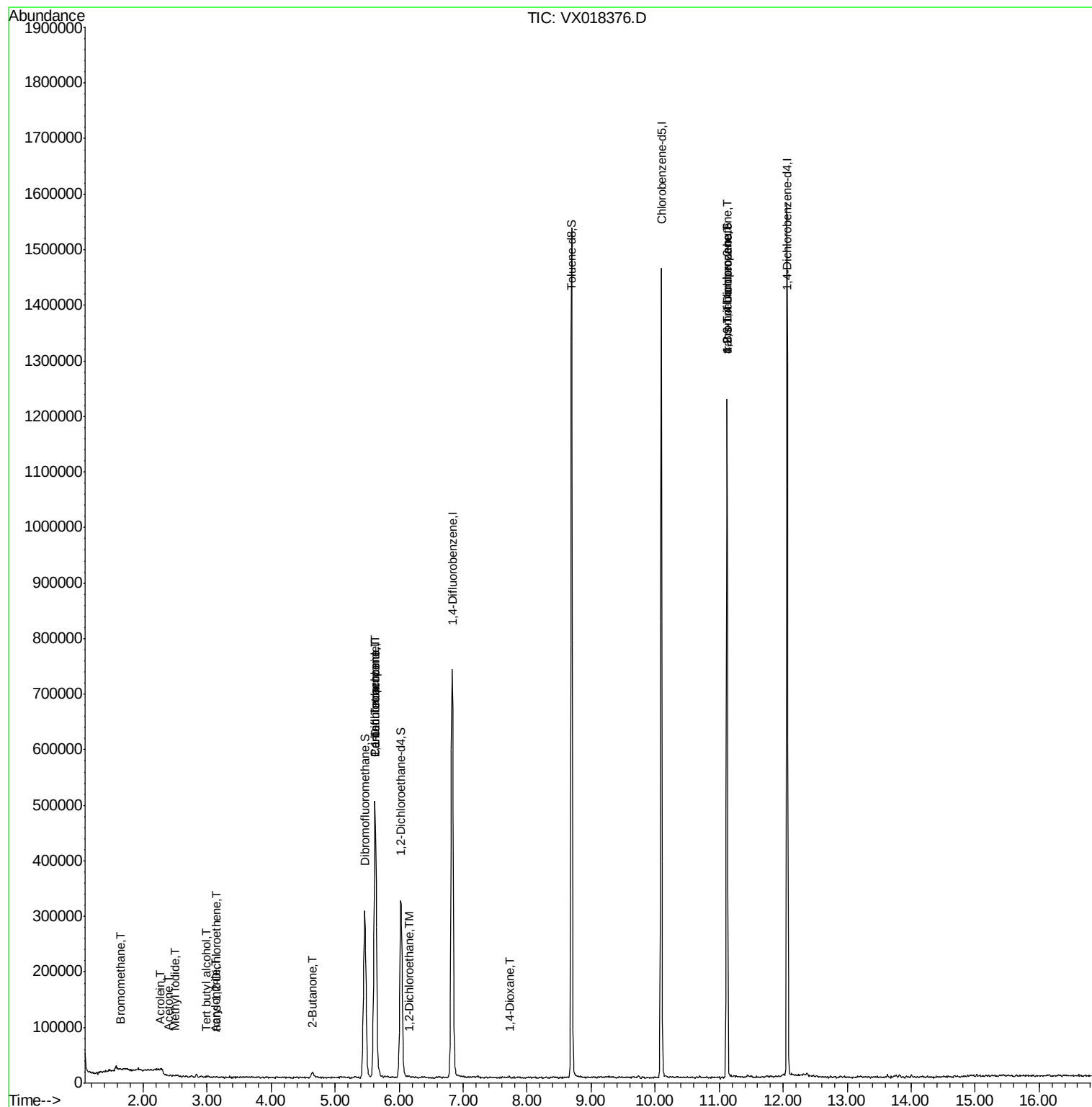
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1846	0.651	ug/l #	51
10) Methyl Iodide	2.49	142	2616	5.791	ug/l #	85
11) Tert butyl alcohol	2.98	59	666	0.536	ug/l #	1
13) Acrolein	2.26	56	891	1.729	ug/l #	1
15) Acrylonitrile	3.14	53	1530	0.543	ug/l #	82
16) Acetone	2.41	43	2058	0.826	ug/l #	75
20) Methylene Chloride	2.83	84	2301	Below Cal	#	83
21) trans-1,2-Dichloroethene	3.15	96	1036	0.208	ug/l #	43
25) 2-Butanone	4.64	43	1234	0.302	ug/l #	51
36) 1,1-Dichloropropene	5.62	75	36612	5.459	ug/l #	53
38) Carbon Tetrachloride	5.62	117	48194	6.377	ug/l #	17
42) 1,2-Dichloroethane	6.15	62	1536	0.203	ug/l	91
49) 1,4-Dioxane	7.71	88	207	1.825	ug/l #	21
76) 1,2,3-Trichloropropane	11.12	75	164357	23.100	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	164357	62.389	ug/l #	12

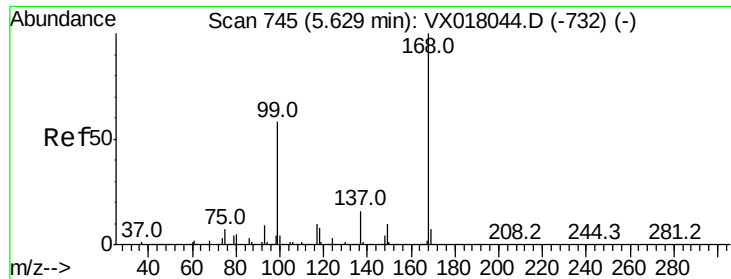
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

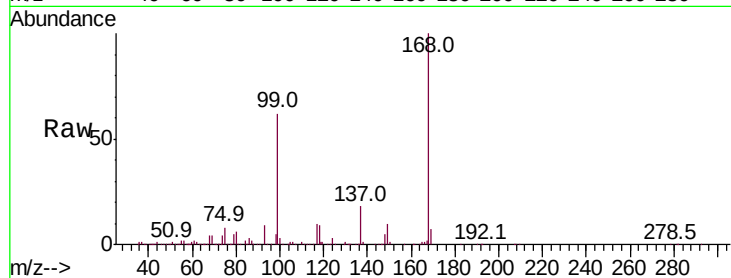
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 460307

Ion Ratio Lower Upper

168 100

99 62.0 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

150000

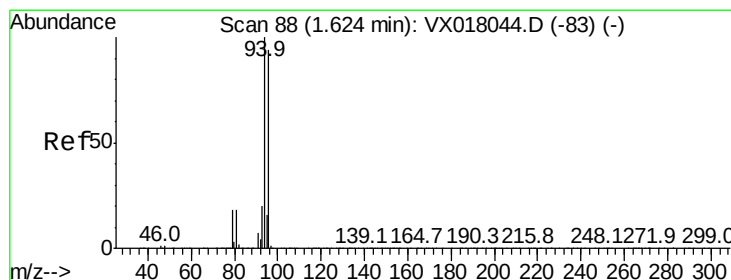
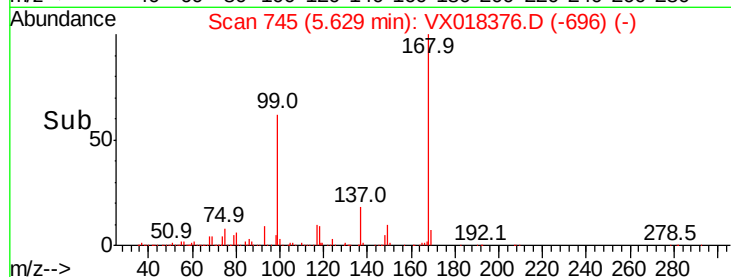
100000

50000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: 0.651 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018376.D

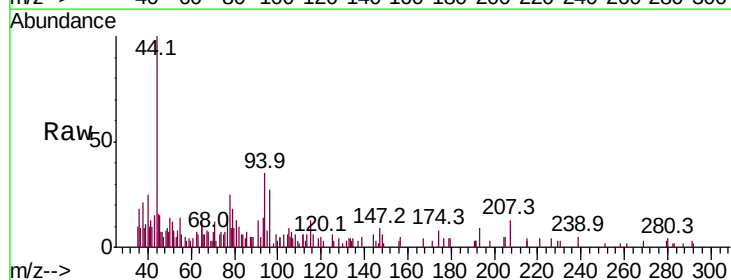
Acq: 14 Sep 2020 11:10

Tgt Ion: 94 Resp: 1846

Ion Ratio Lower Upper

94 100

96 46.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

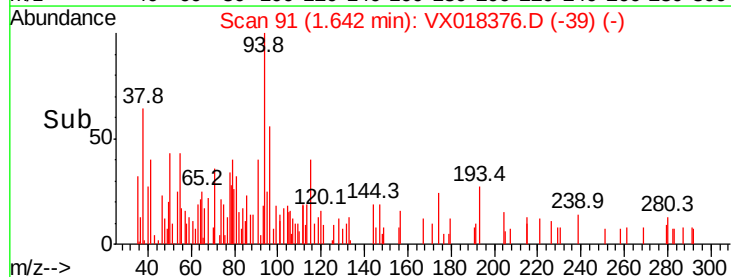
400

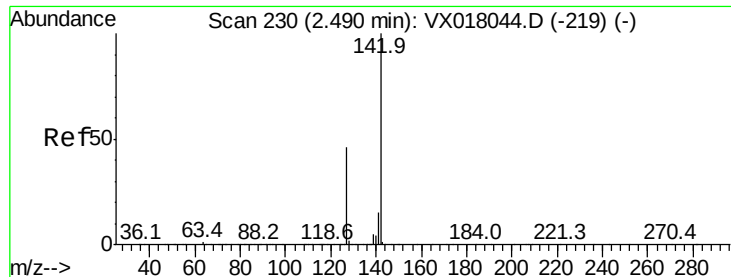
200

0

1.60 1.65 1.70

Time-->





#10

Methvl Iodide

Concen: 5.791 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

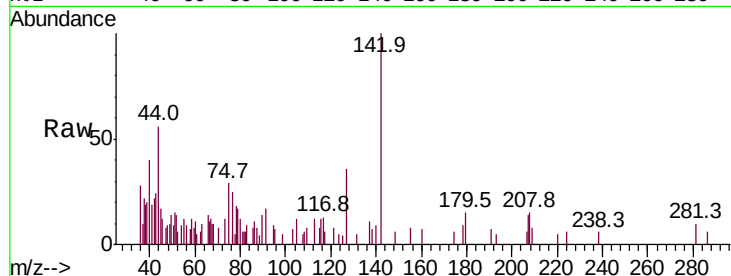
Tot Ion:142 Resp: 2616

Ion Ratio Lower Upper

142 100

127 38.4 37.0 55.6

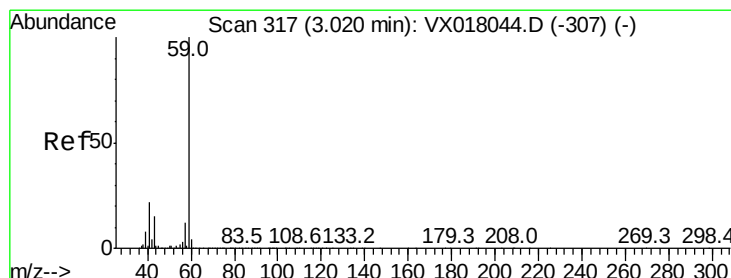
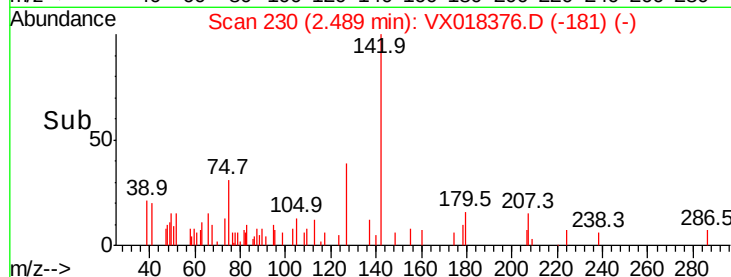
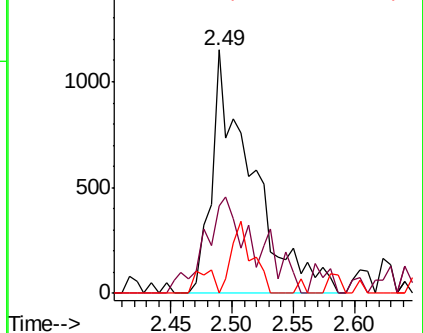
141 4.2 11.5 17.3#



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: 0.536 ug/l

RT: 2.98 min Scan# 311

Delta R.T. -0.04 min

Lab File: VX018376.D

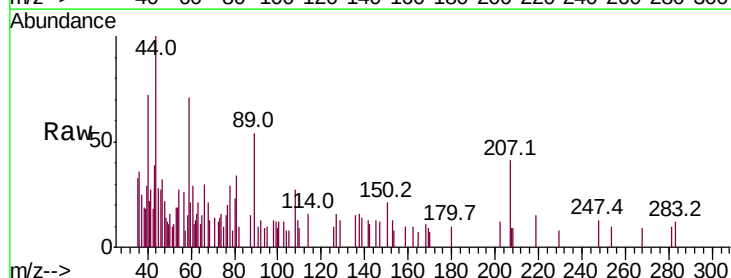
Acq: 14 Sep 2020 11:10

Tgt Ion: 59 Resp: 666

Ion Ratio Lower Upper

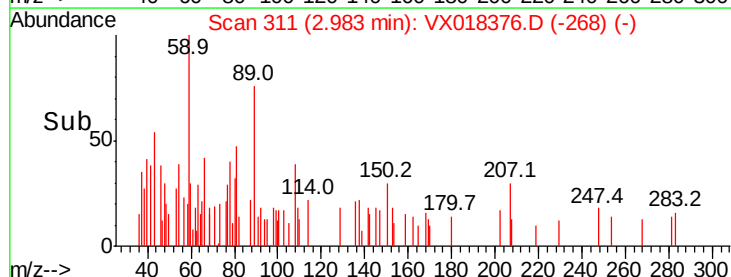
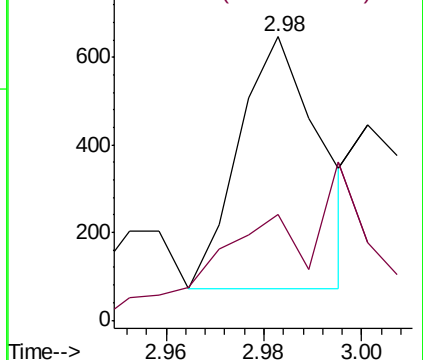
59 100

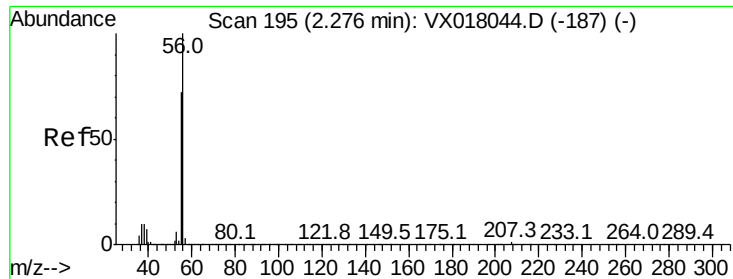
57 84.5 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.729 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :

MSVOA_X

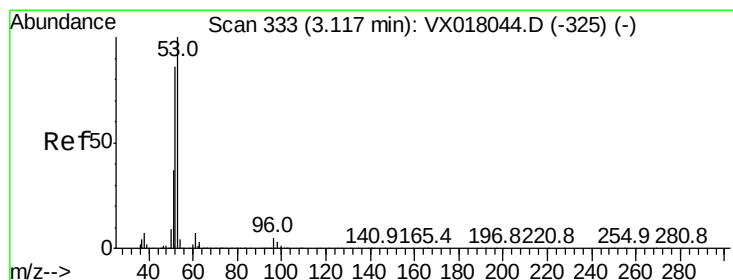
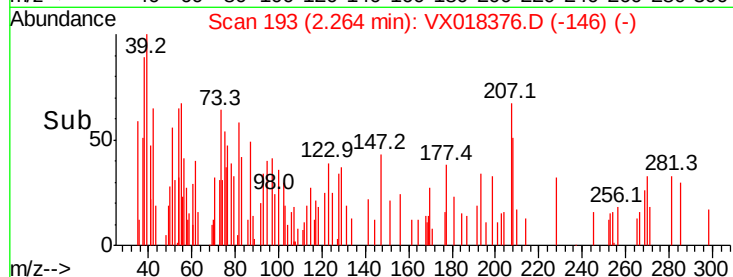
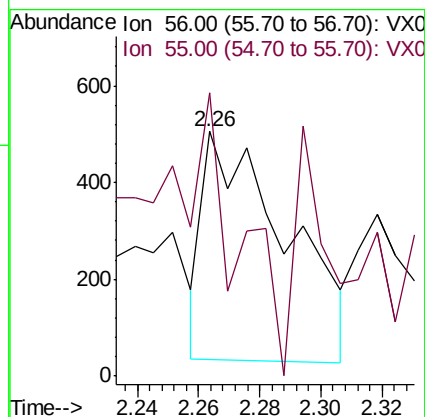
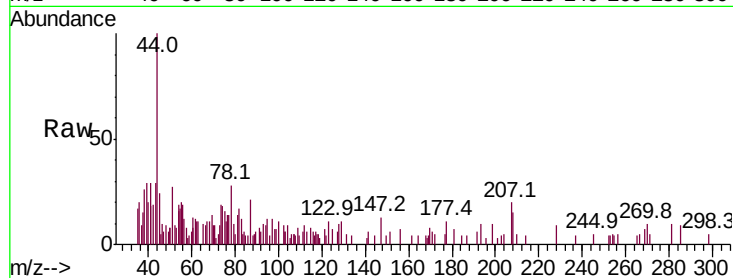
ClientSampled :

Tot Ion: 56 Resp: 891

Ion Ratio Lower Upper

56 100

55 156.8 57.0 85.6#



#15

Acrylonitrile

Concen: 0.543 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.02 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

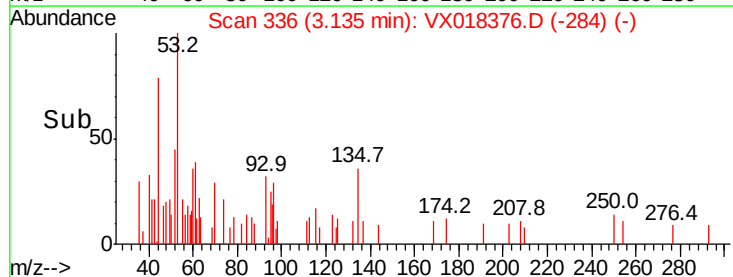
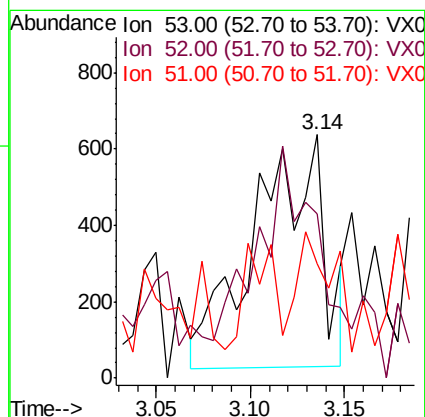
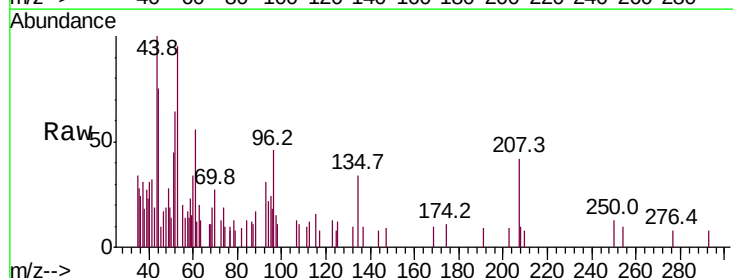
Tgt Ion: 53 Resp: 1530

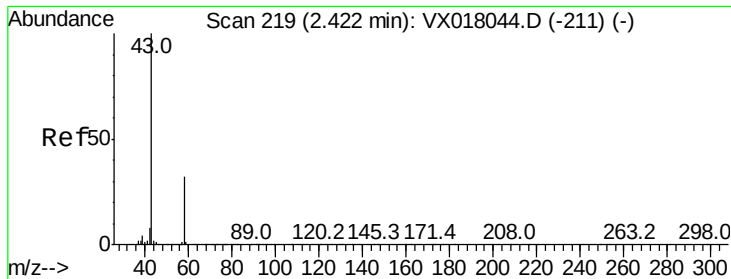
Ion Ratio Lower Upper

53 100

52 101.0 66.9 100.3#

51 27.3 28.7 43.1#

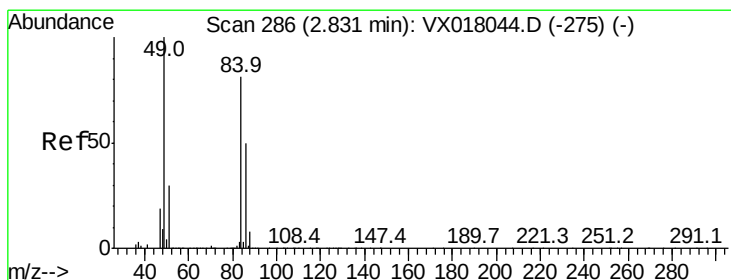
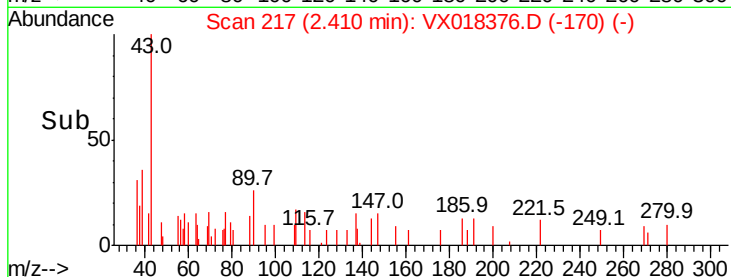
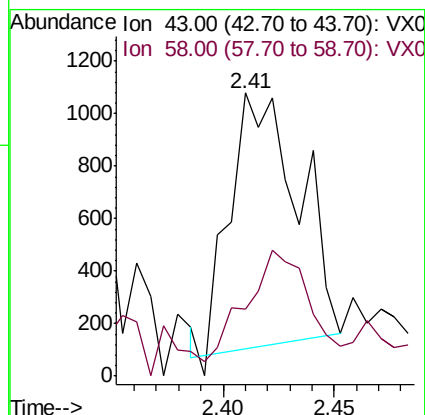
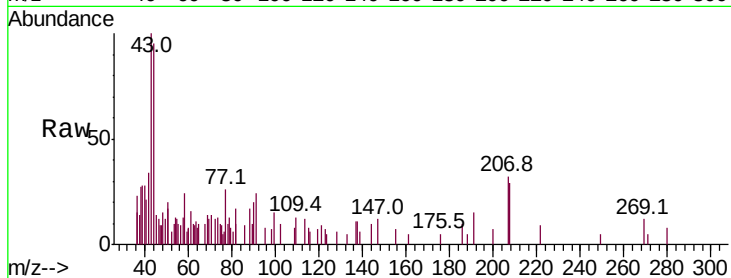




#16
Acetone
Concen: 0.826 ug/l
RT: 2.41 min Scan# 217
Delta R.T. -0.01 min
Lab File: VX018376.D
Acq: 14 Sep 2020 11:10

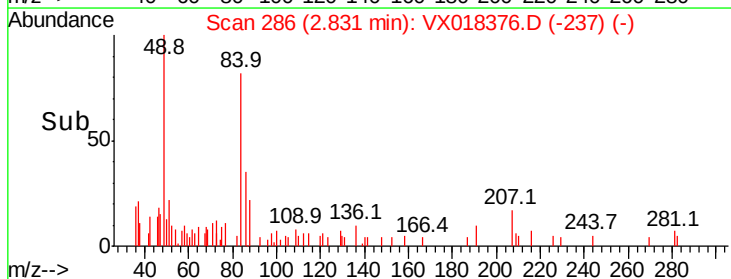
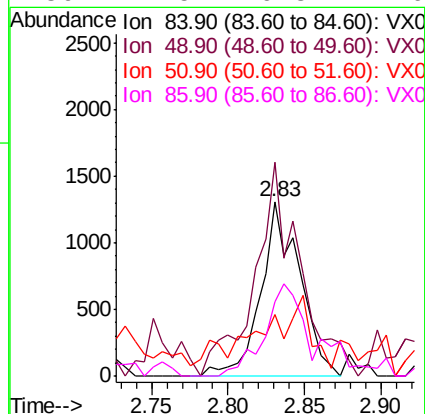
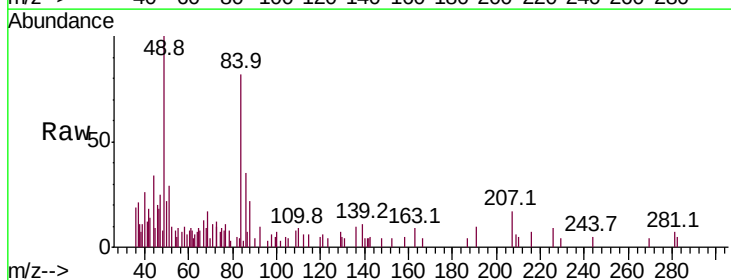
Instrument :
MSVOA_X
ClientSampled :

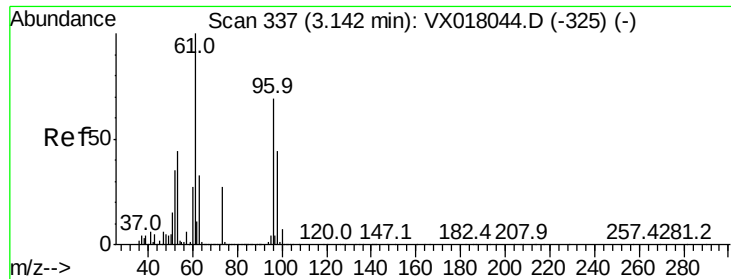
Tot Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
58 17.7 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018376.D
Acq: 14 Sep 2020 11:10

Tgt Ion: 84 Resp: 2301
Ion Ratio Lower Upper
84 100
49 112.8 98.6 148.0
51 20.2 29.6 44.4#
86 42.5 49.8 74.6#





#21

trans-1,2-Dichloroethene

Concen: 0.208 ug/l

RT: 3.15 min Scan# 339

Delta R.T. 0.01 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :
MSVOA_X
ClientSampleId :

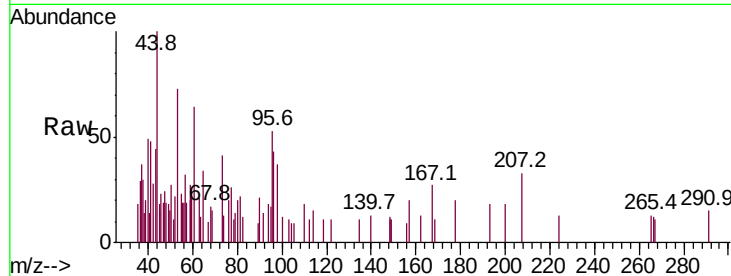
Tot Ion: 96 Resp: 1036

Ion Ratio Lower Upper

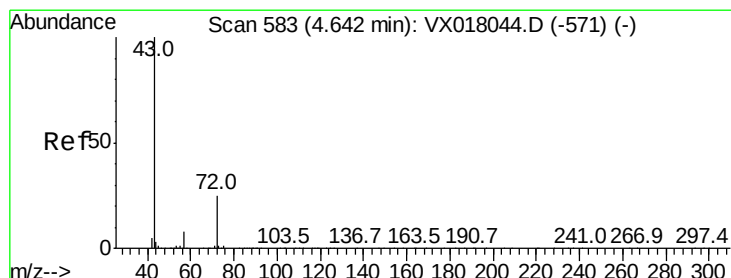
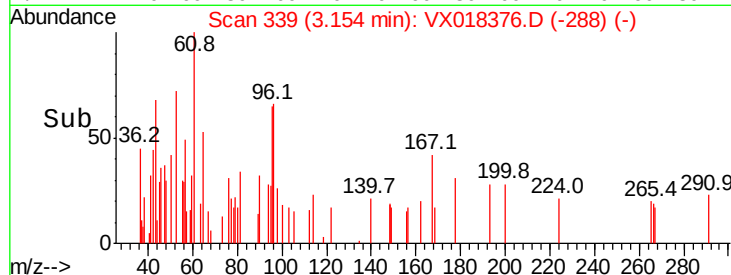
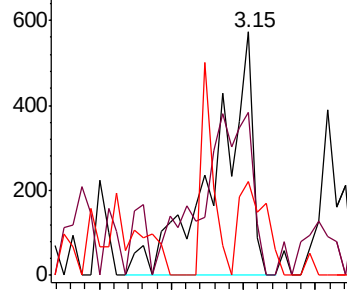
96 100

61 66.8 115.4 173.0#

98 28.4 51.1 76.7#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.302 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX018376.D

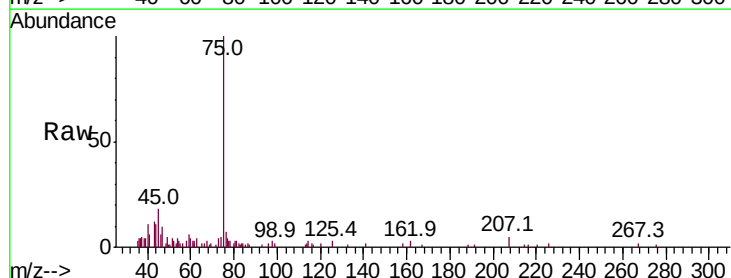
Acq: 14 Sep 2020 11:10

Tgt Ion: 43 Resp: 1234

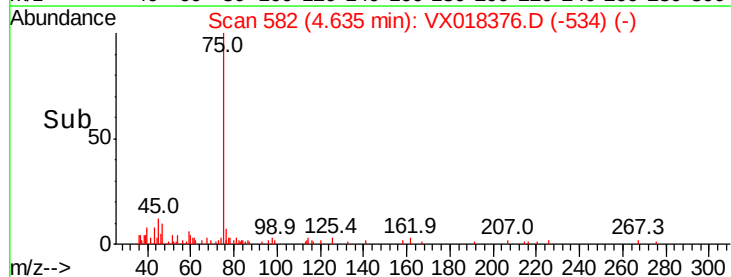
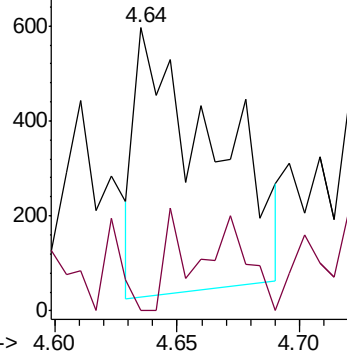
Ion Ratio Lower Upper

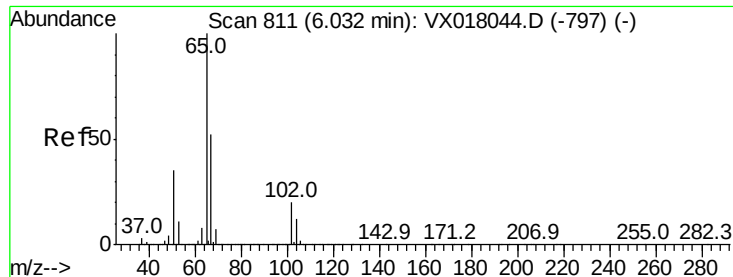
43 100

72 0.0 19.8 29.6#



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





#33

1,2-Dichloroethane-d4

Concen: 50.217 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :

MSVOA_X

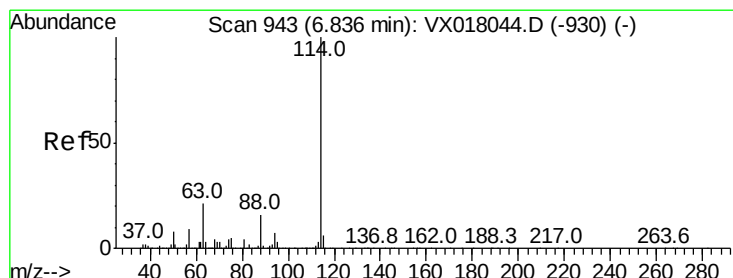
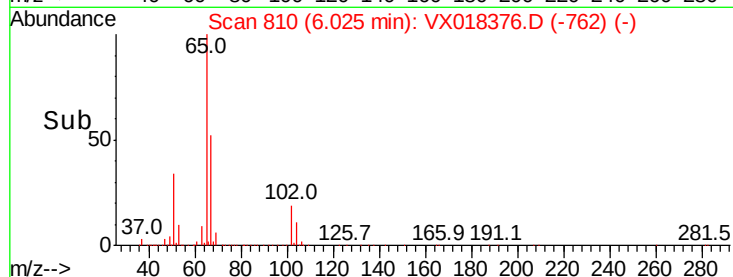
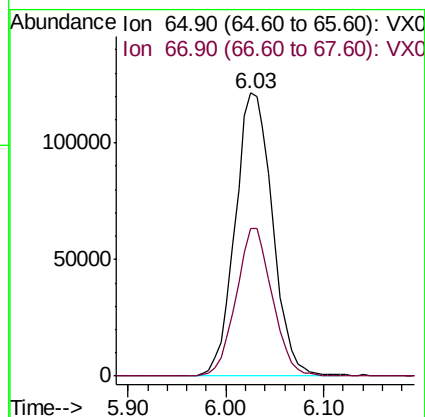
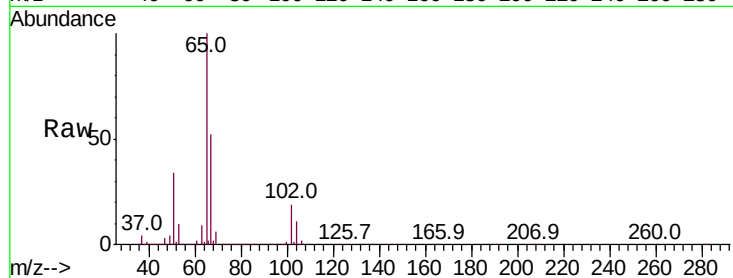
ClientSampleId :

Tot Ion: 65 Resp: 320901

Ion Ratio Lower Upper

65 100

67 50.6 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: VX018376.D

Acq: 14 Sep 2020 11:10

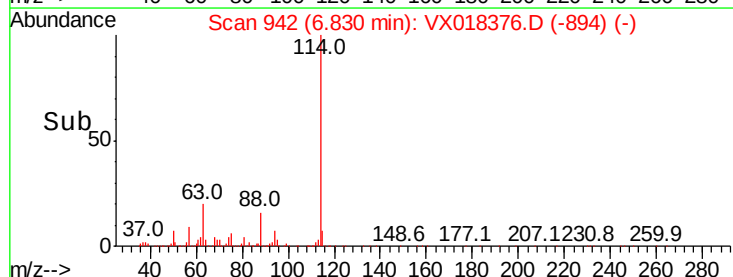
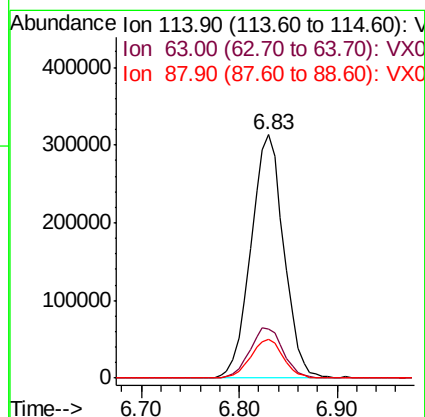
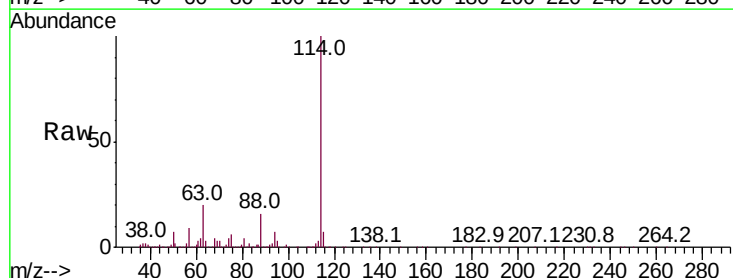
Tgt Ion: 114 Resp: 727091

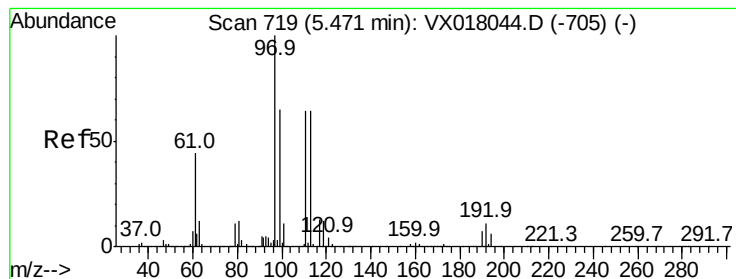
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.975 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

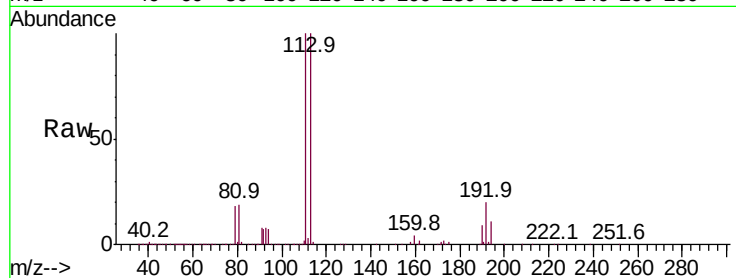
Tot Ion:113 Resp: 252422

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

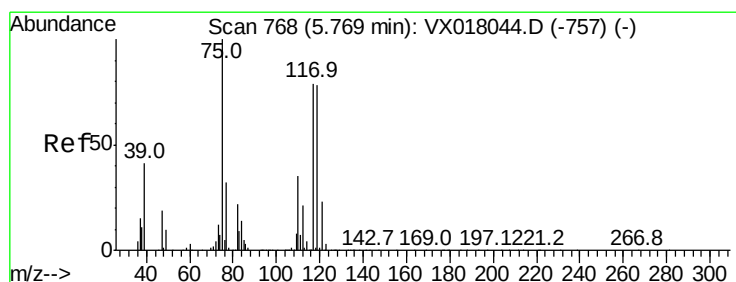
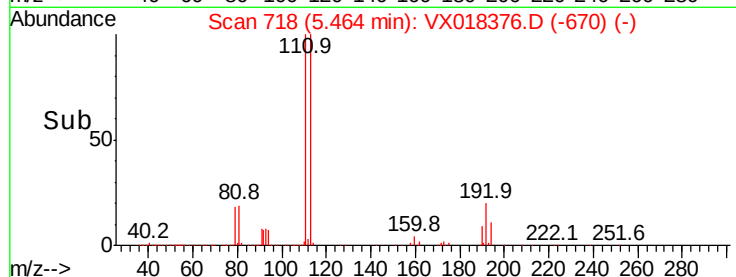
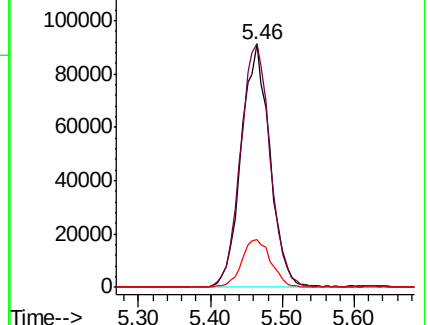
192 20.1 15.8 23.8



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: 5.459 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

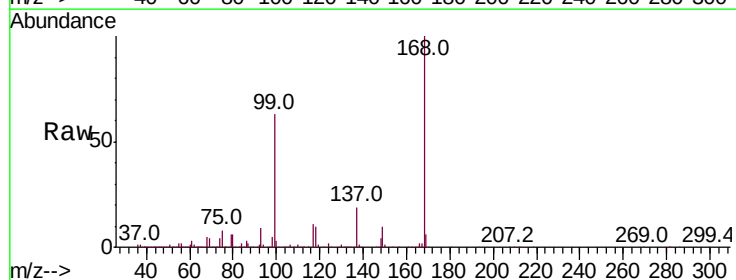
Tgt Ion: 75 Resp: 36612

Ion Ratio Lower Upper

75 100

110 10.8 18.0 54.0#

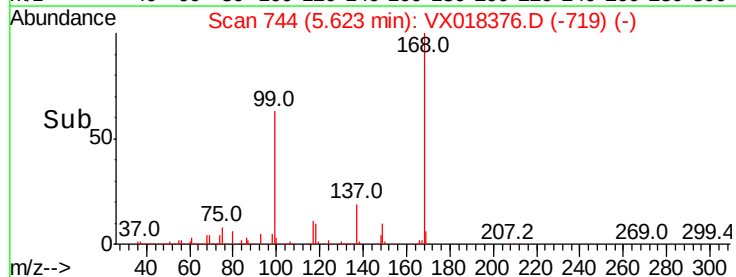
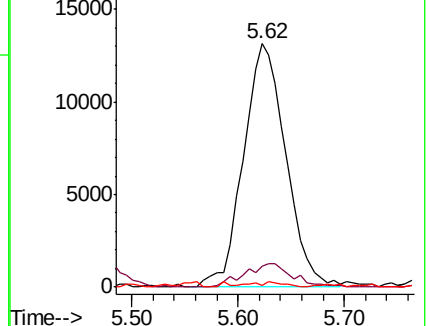
77 1.7 24.4 36.6#

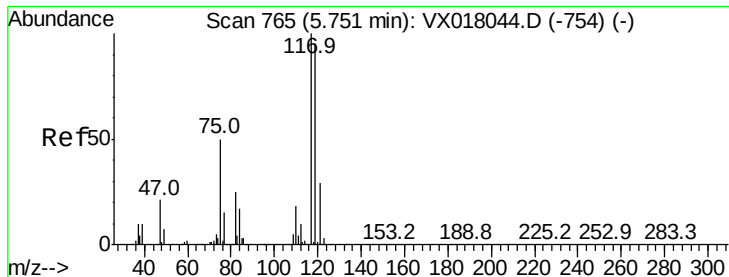


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.377 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :

MSVOA_X

ClientSampled :

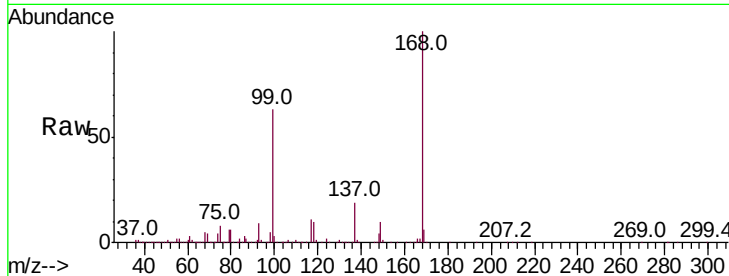
Tot Ion:117 Resp: 48194

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

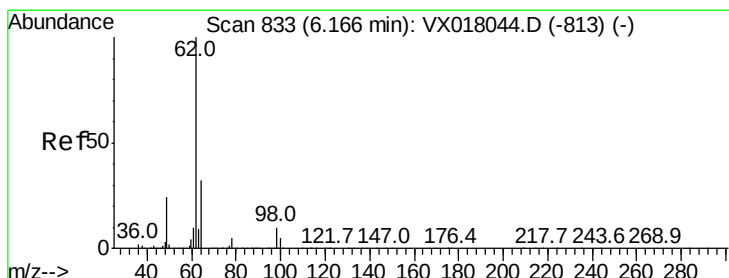
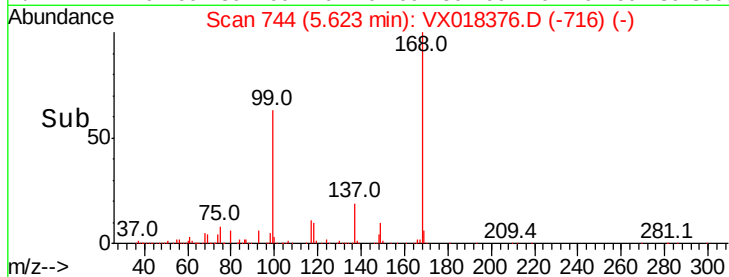
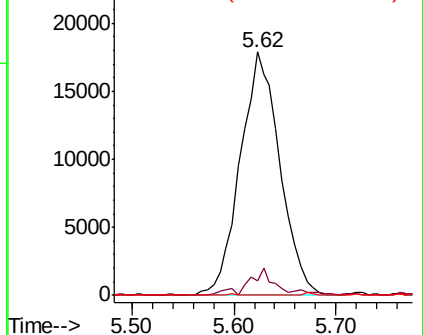
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.203 ug/l

RT: 6.15 min Scan# 830

Delta R.T. -0.02 min

Lab File: VX018376.D

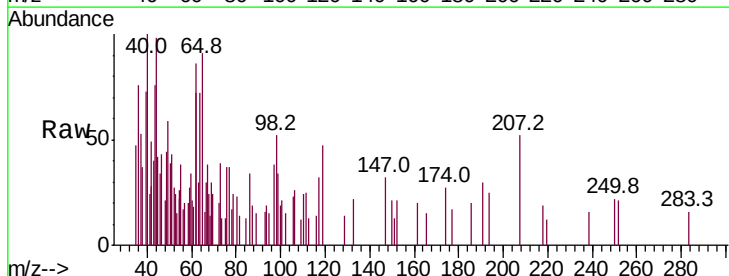
Acq: 14 Sep 2020 11:10

Tgt Ion: 62 Resp: 1536

Ion Ratio Lower Upper

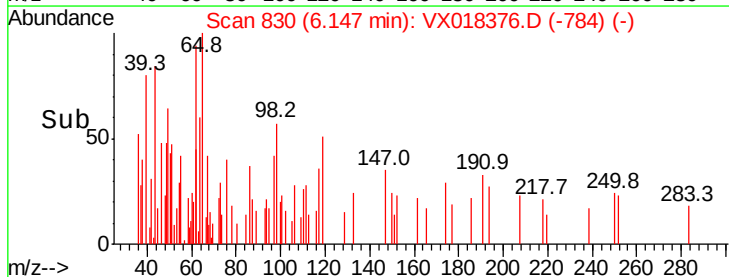
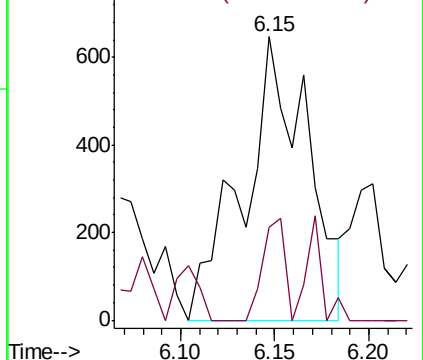
62 100

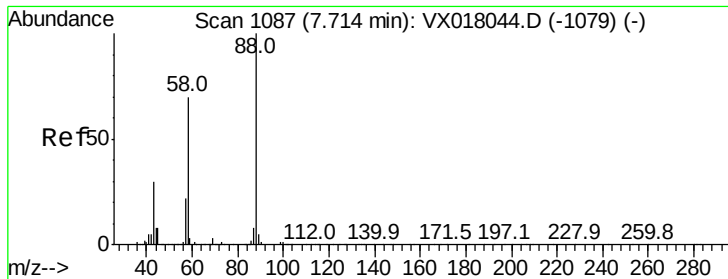
98 12.3 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 1.825 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :
MSVOA_X
ClientSampled :

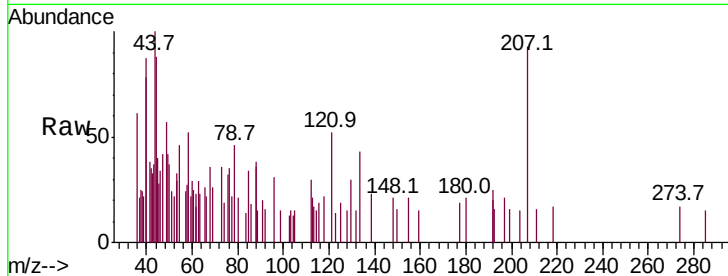
Tot Ion: 88 Resp: 207

Ion Ratio Lower Upper

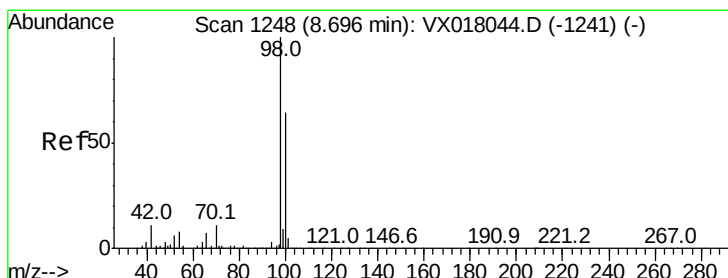
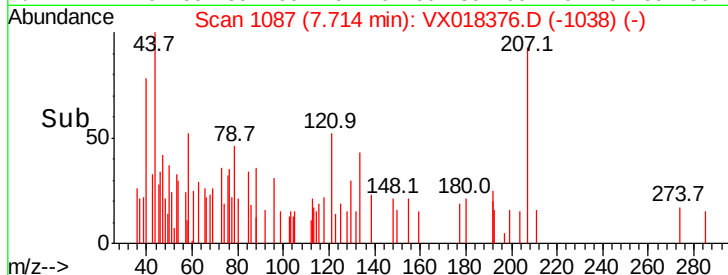
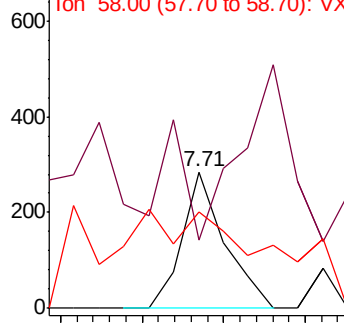
88 100

43 72.5 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: 47.137 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018376.D

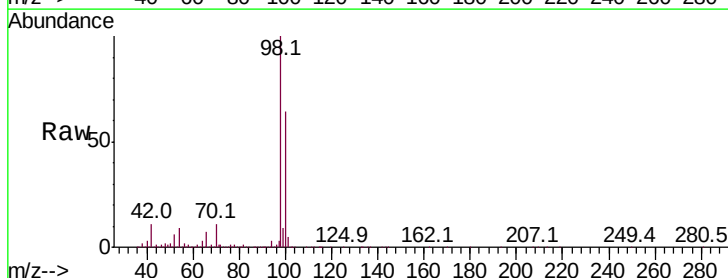
Acq: 14 Sep 2020 11:10

Tgt Ion: 98 Resp: 869369

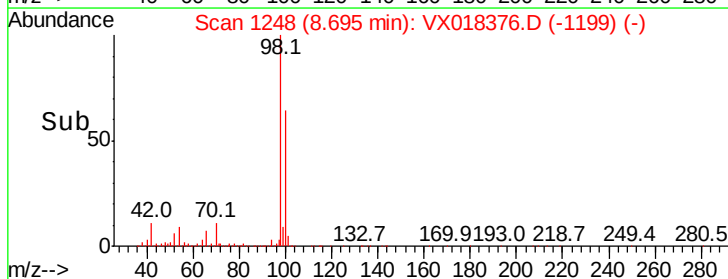
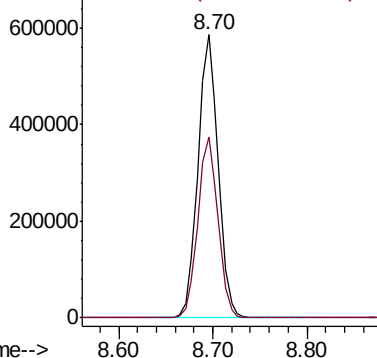
Ion Ratio Lower Upper

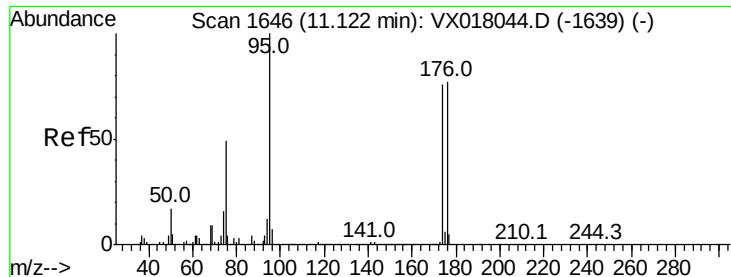
98 100

100 63.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

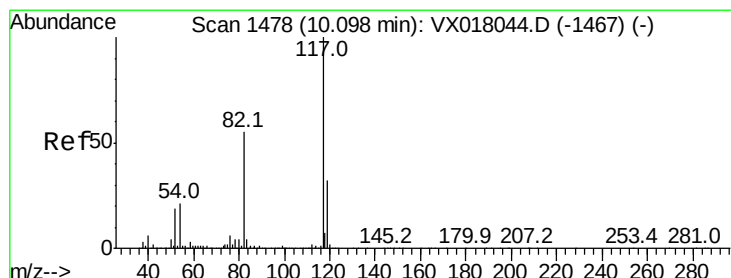
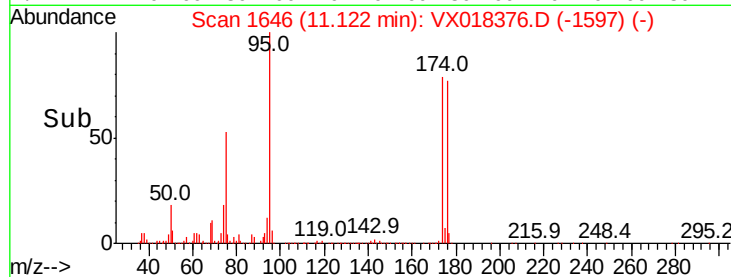
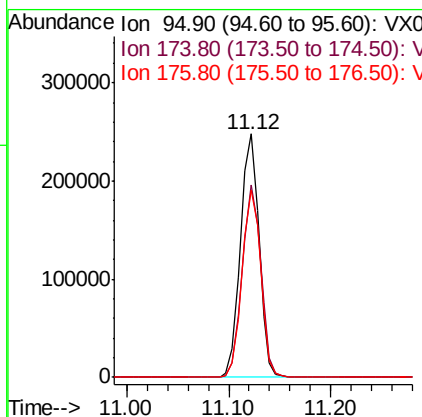
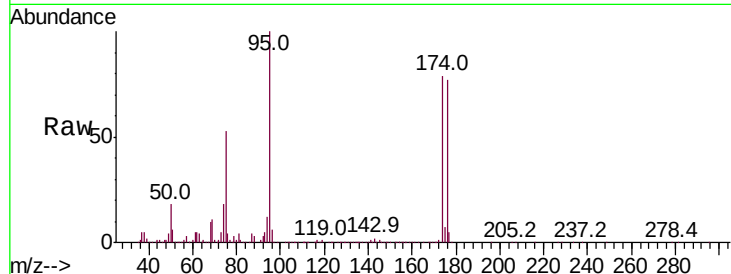




#62
 4-Bromofluorobenzene
 Concen: 42.820 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018376.D
 Acq: 14 Sep 2020 11:10

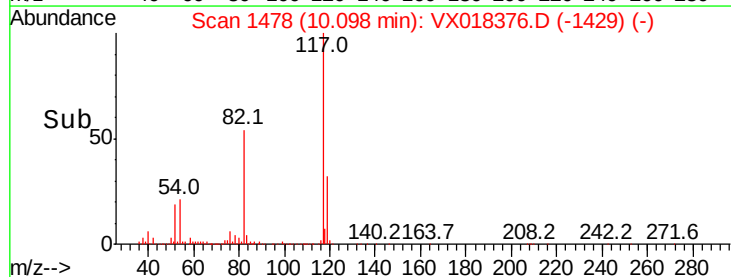
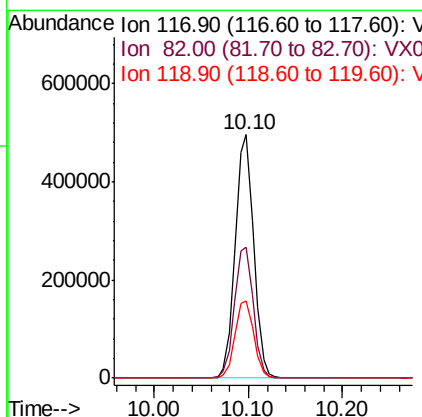
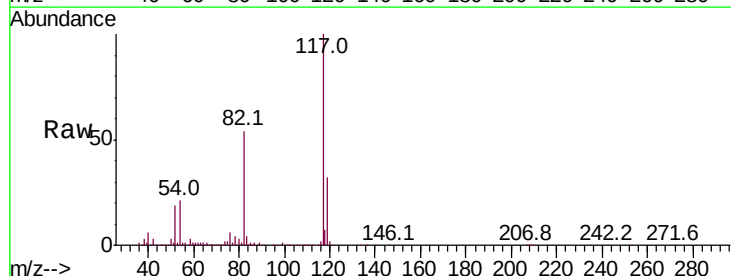
Instrument :
 MSVOA_X
 ClientSampleId :

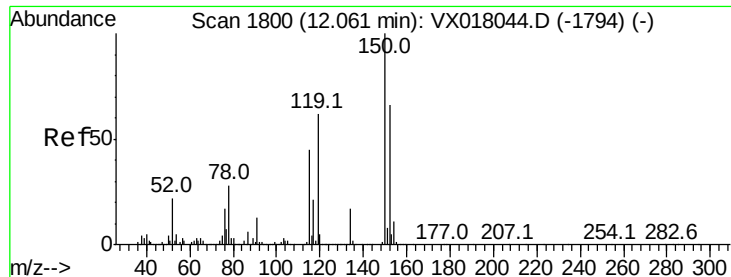
Tot Ion:	95	Resp:	310721
Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	160.2
176	77.5	0.0	155.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX018376.D
 Acq: 14 Sep 2020 11:10

Tgt Ion:	117	Resp:	675693
Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	31.6	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: VX018376.D

Acq: 14 Sep 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

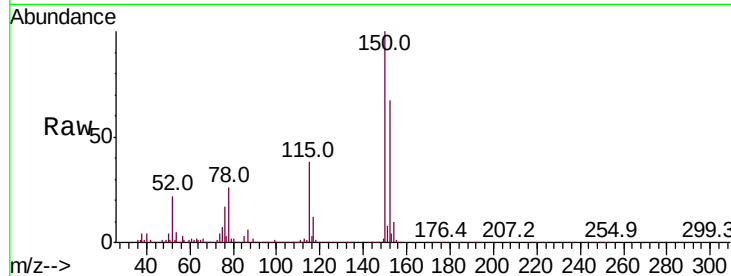
Tot Ion:152 Resp: 319843

Ion Ratio Lower Upper

152 100

115 57.8 41.5 124.5

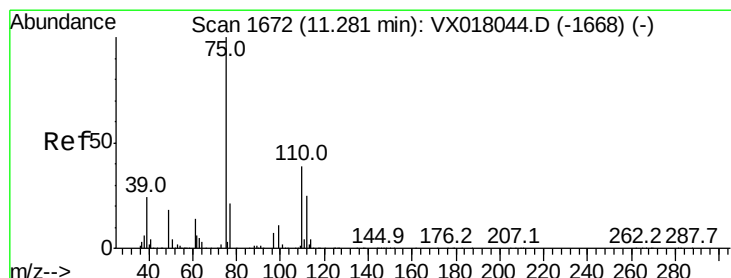
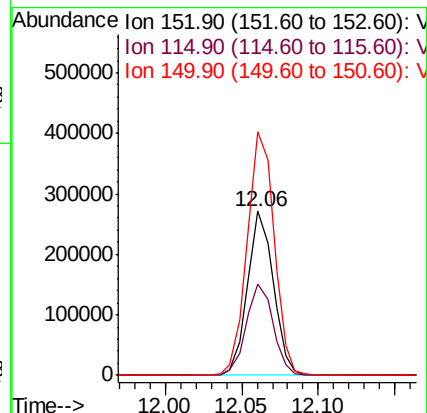
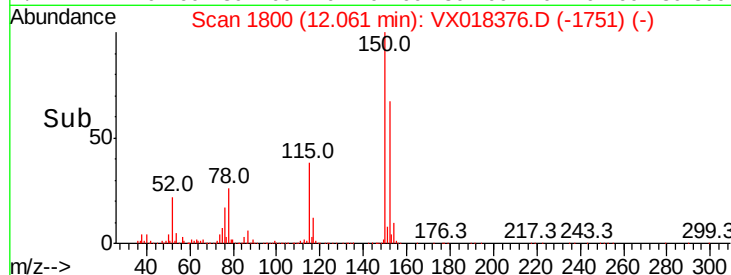
150 155.0 0.0 343.8



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: 23.100 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018376.D

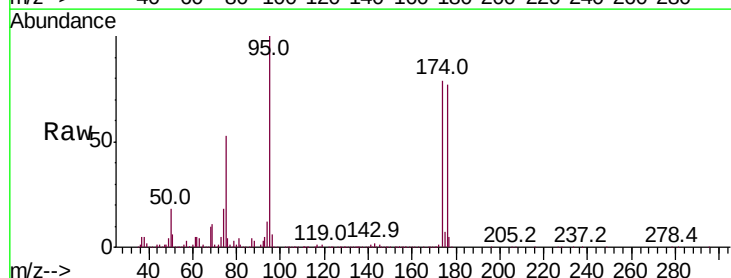
Acq: 14 Sep 2020 11:10

Tgt Ion: 75 Resp: 164357

Ion Ratio Lower Upper

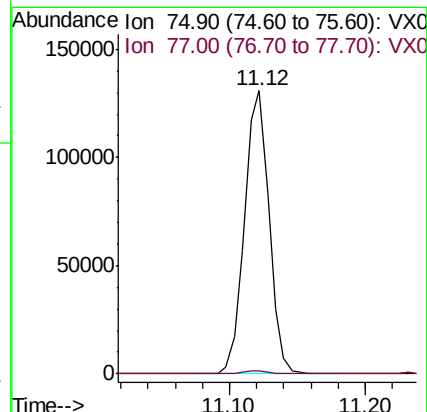
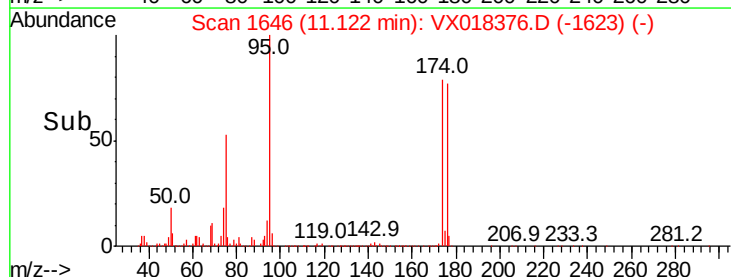
75 100

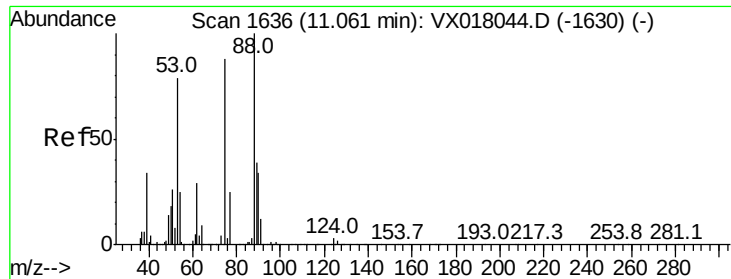
77 1.1 20.8 62.2#



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: 62.389 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018376.D
 Acq: 14 Sep 2020 11:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 164357
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.7 112.1#
 89 0.1 36.6 54.8#

