

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018292.D
 Acq On : 08 Sep 2020 22:52
 Operator : JC/SP
 Sample : VX0908WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908WBL02

Quant Time: Sep 09 02:46:34 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	441357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	715748	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	674424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	346269	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	312721	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
35) Dibromofluoromethane	5.46	113	249027	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	8.70	98	863120	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.12	95	316478	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	

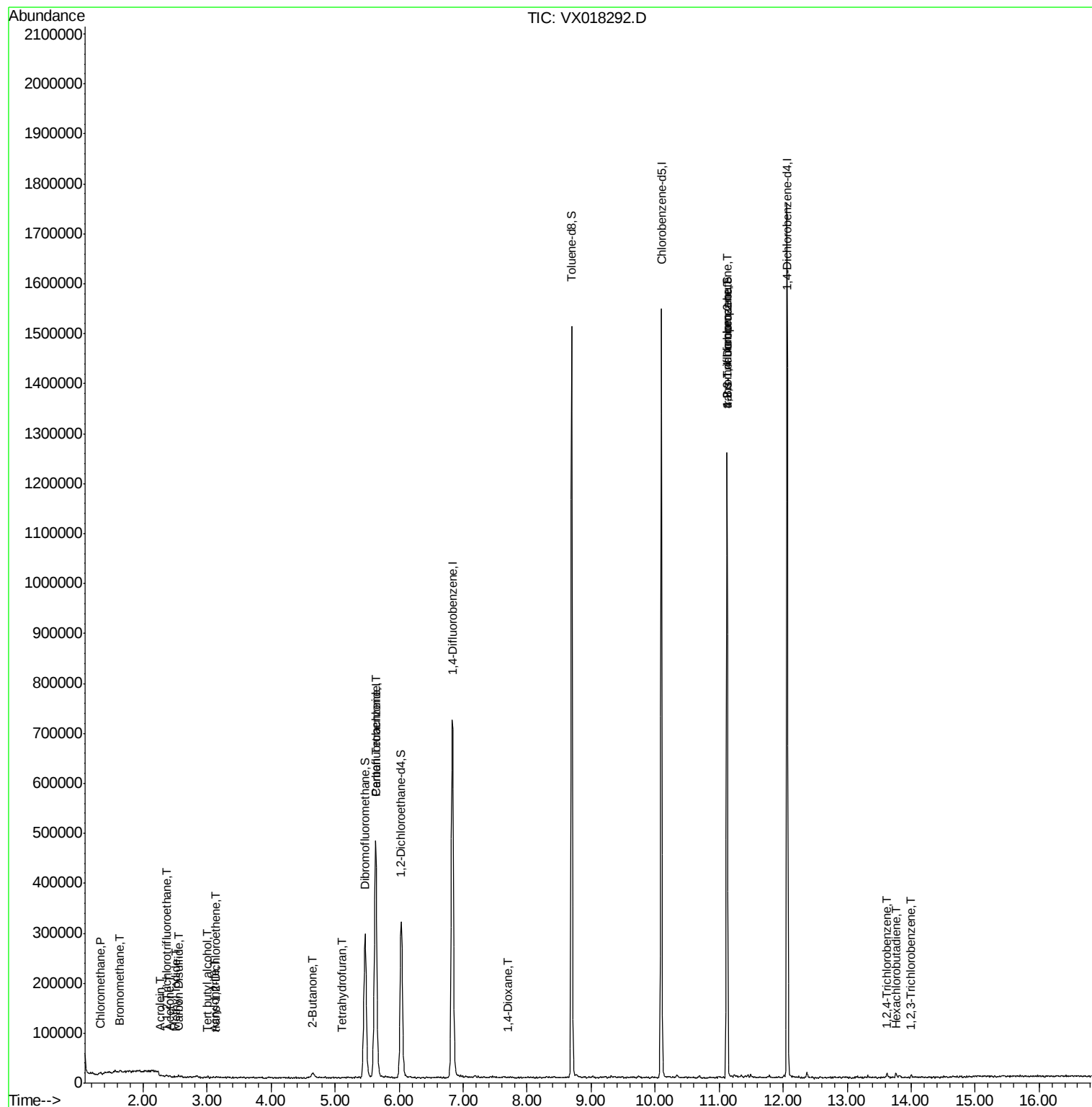
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1394	0.246	ug/l #	12
5) Bromomethane	1.64	94	995	0.366	ug/l #	33
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1002	0.241	ug/l #	80
10) Methyl Iodide	2.51	142	1406	5.569	ug/l #	94
11) Tert butyl alcohol	3.00	59	853	0.716	ug/l #	87
13) Acrolein	2.26	56	555	1.124	ug/l	86
15) Acrylonitrile	3.12	53	864	0.320	ug/l #	71
16) Acetone	2.42	43	3044	1.275	ug/l #	87
17) Carbon Disulfide	2.56	76	3985	0.306	ug/l #	71
20) Methylene Chloride	2.84	84	1612	Below Cal	#	57
21) trans-1,2-Dichloroethene	3.14	96	1189	0.249	ug/l #	50
25) 2-Butanone	4.64	43	1338	0.341	ug/l #	51
29) Tetrahydrofuran	5.12	42	621	0.249	ug/l #	56
38) Carbon Tetrachloride	5.63	117	46727	6.281	ug/l #	16
49) 1,4-Dioxane	7.70	88	187	1.675	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	167409	21.733	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	167409	58.698	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.62	180	2139	0.307	ug/l	87
94) Hexachlorobutadiene	13.77	225	1037	0.378	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1744	0.254	ug/l	85

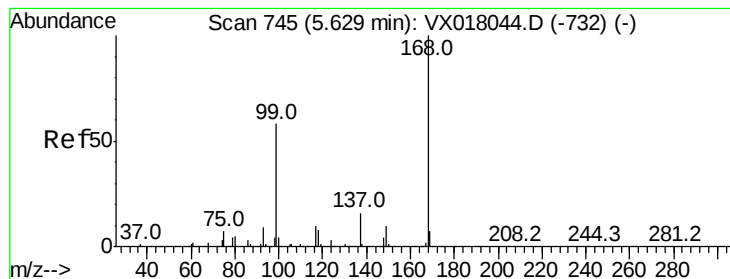
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090820\
Data File : VX018292.D
Acq On : 08 Sep 2020 22:52
Operator : JC/SP
Sample : VX0908WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0908WBL02

Quant Time: Sep 09 02:46:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

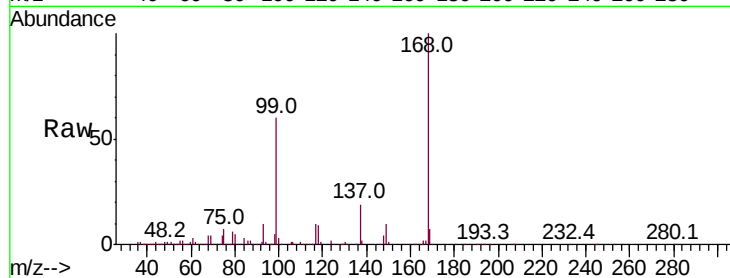
VX0908WBL02

Tot Ion:168 Resp: 441357

Ion Ratio Lower Upper

168 100

99 60.3 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

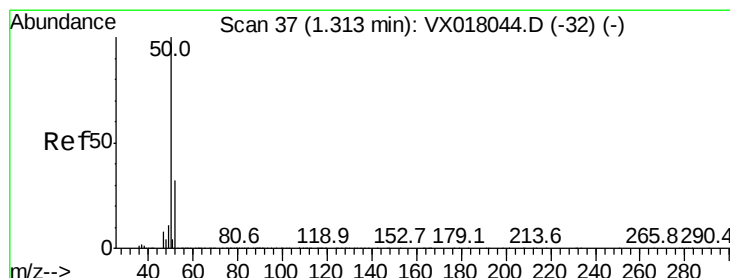
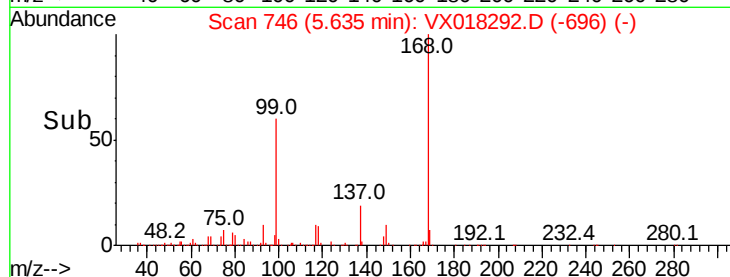
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.32 min Scan# 39

Delta R.T. 0.01 min

Lab File: VX018292.D

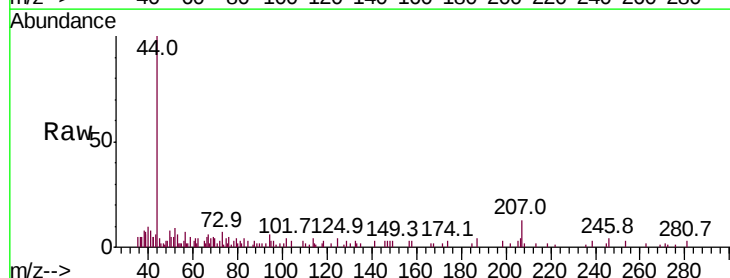
Acq: 08 Sep 2020 22:52

Tgt Ion: 50 Resp: 1394

Ion Ratio Lower Upper

50 100

52 80.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

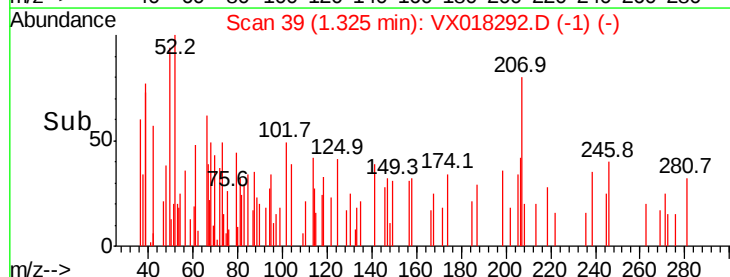
600

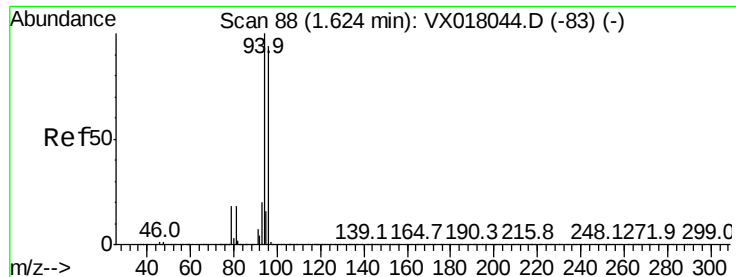
400

200

0

Time-->





#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

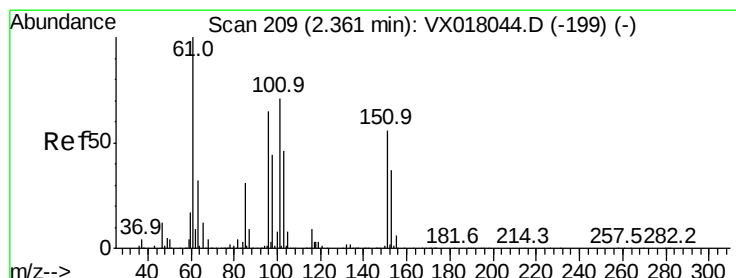
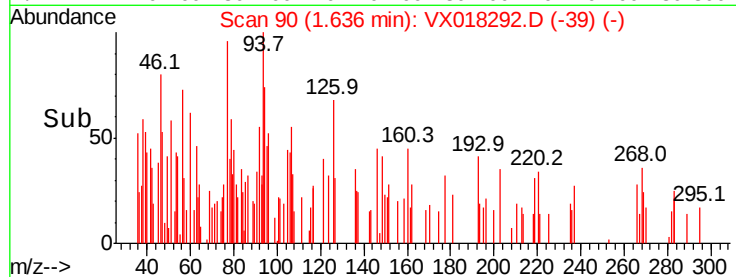
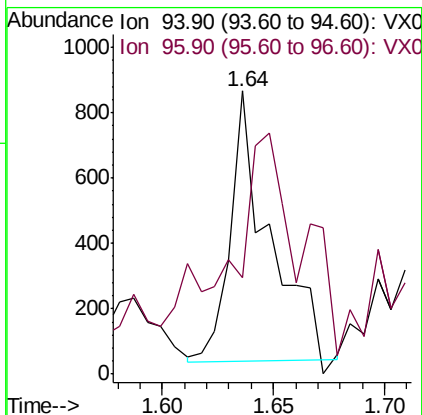
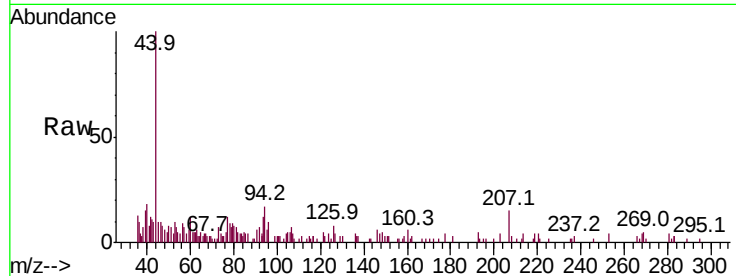
VX0908WBL02

Tot Ion: 94 Resp: 995

Ion Ratio Lower Upper

94 100

96 29.3 74.8 112.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.241 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

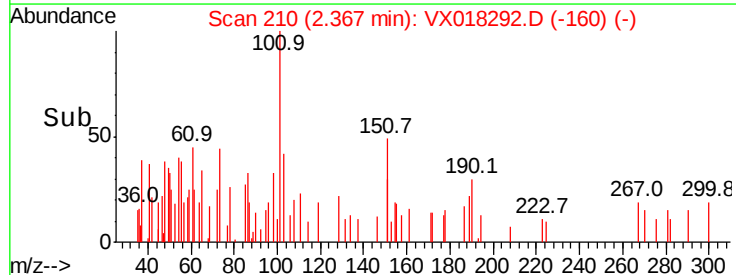
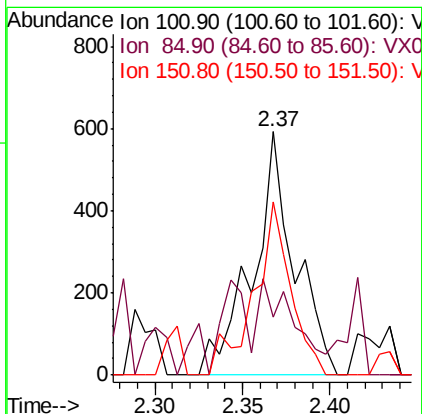
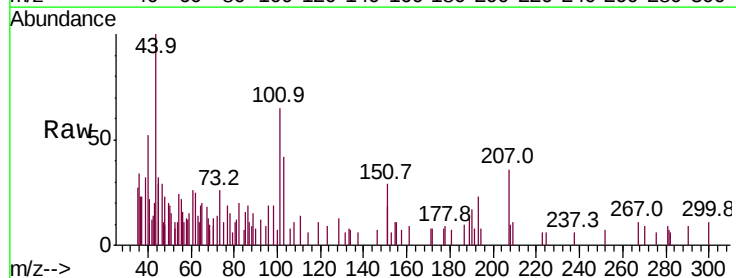
Tgt Ion: 101 Resp: 1002

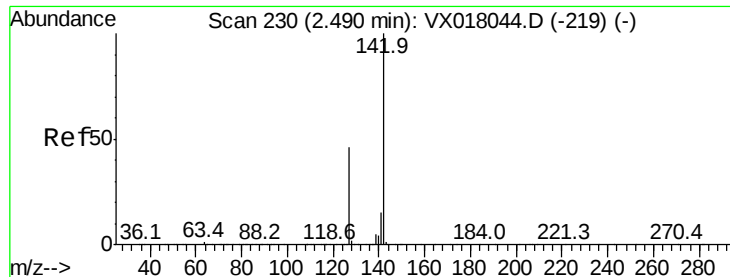
Ion Ratio Lower Upper

101 100

85 33.2 34.0 51.0#

151 61.2 65.2 97.8#





#10

Methyl Iodide

Concen: 5.569 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampled :

VX0908WBL02

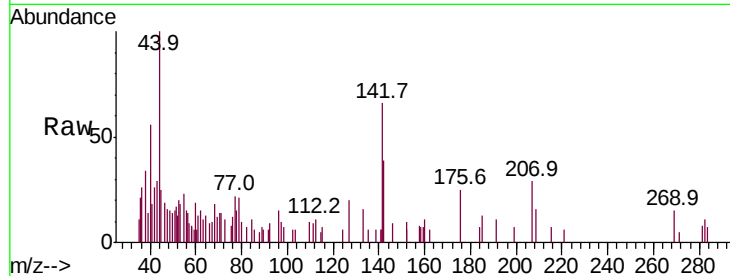
Tot Ion:142 Resp: 1406

Ion Ratio Lower Upper

142 100

127 45.2 37.0 55.6

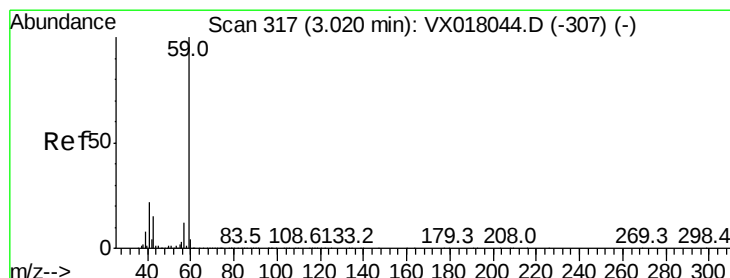
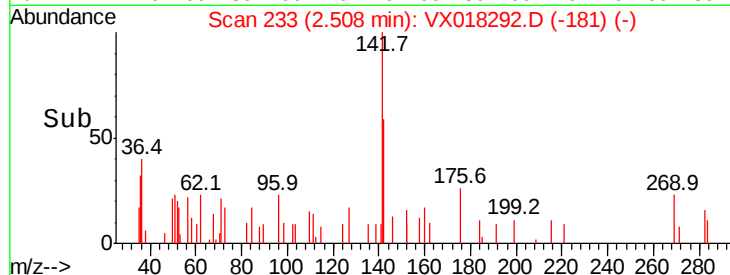
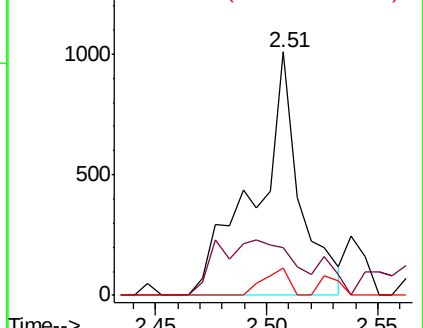
141 6.4 11.5 17.3#



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: 0.716 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX018292.D

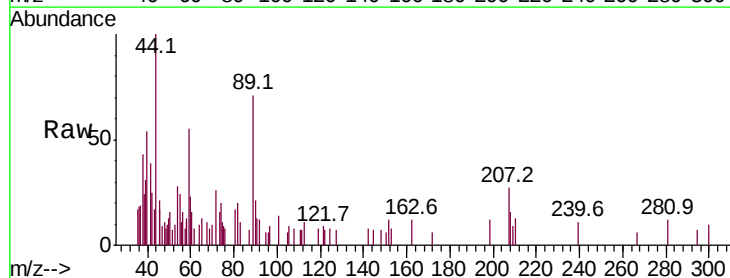
Acq: 08 Sep 2020 22:52

Tgt Ion: 59 Resp: 853

Ion Ratio Lower Upper

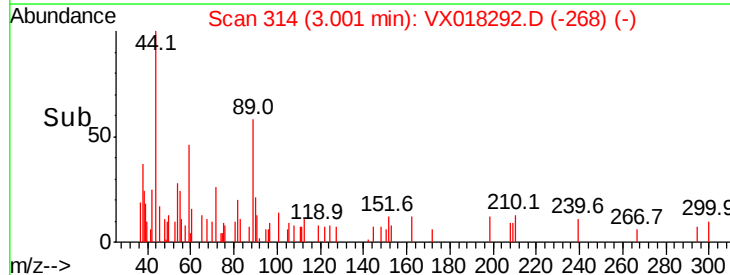
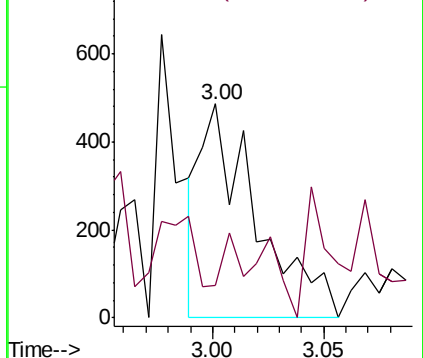
59 100

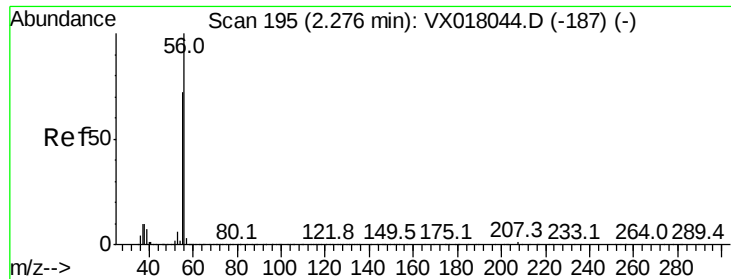
57 6.3 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

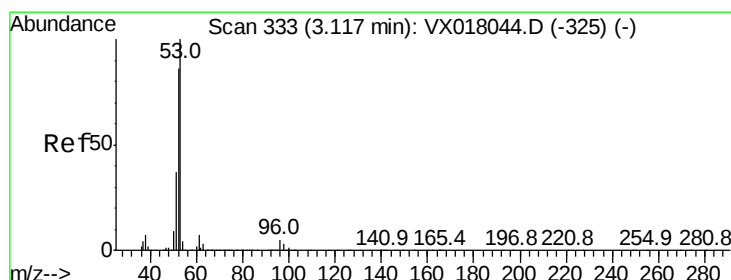
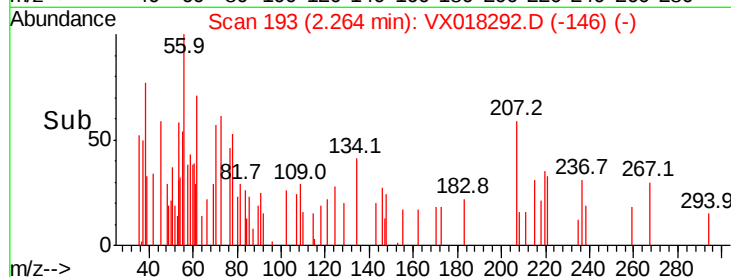
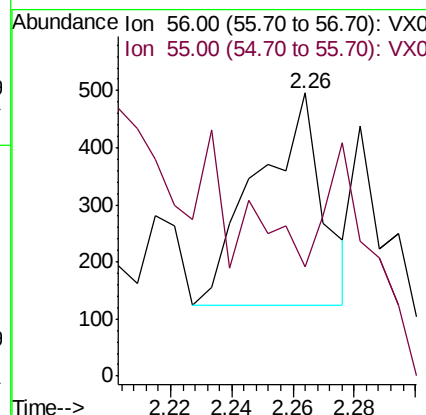
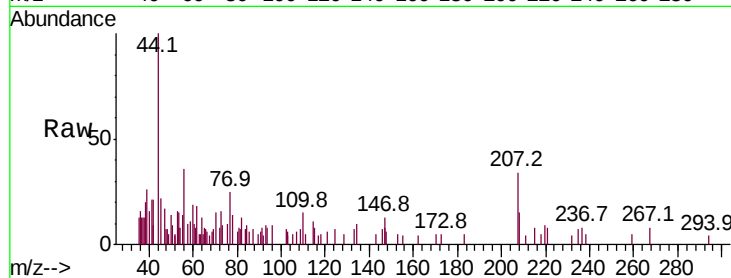




#13
Acrolein
Concen: 1.124 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018292.D
Acq: 08 Sep 2020 22:52

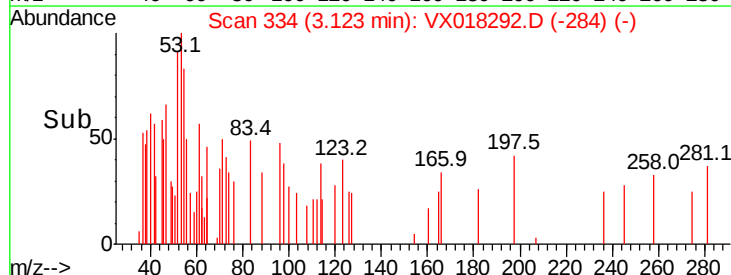
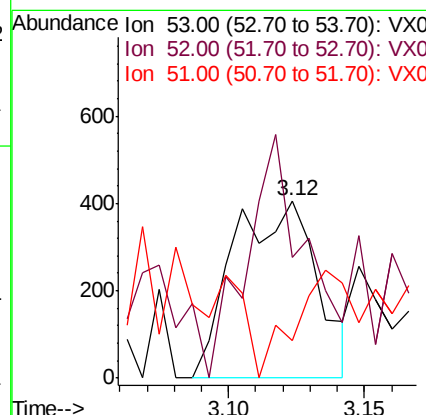
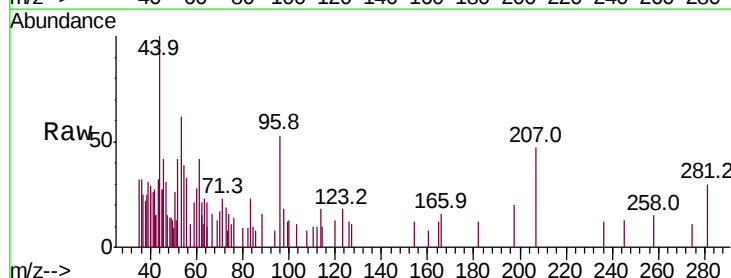
Instrument :
MSVOA_X
ClientSampled :
VX0908WBL02

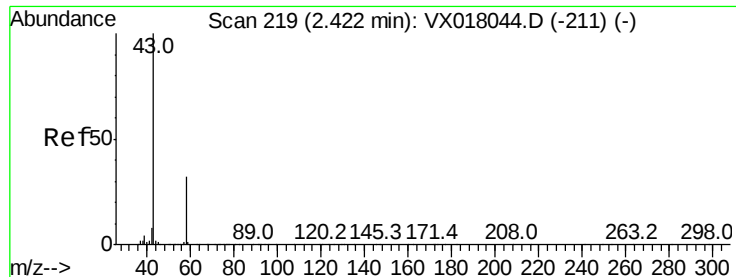
Tot Ion: 56 Resp: 555
Ion Ratio Lower Upper
56 100
55 82.7 57.0 85.6



#15
Acrylonitrile
Concen: 0.320 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX018292.D
Acq: 08 Sep 2020 22:52

Tgt Ion: 53 Resp: 864
Ion Ratio Lower Upper
53 100
52 97.6 66.9 100.3
51 0.0 28.7 43.1#





#16

Acetone

Concen: 1.275 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

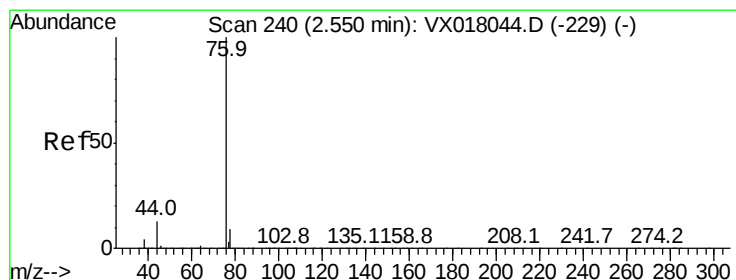
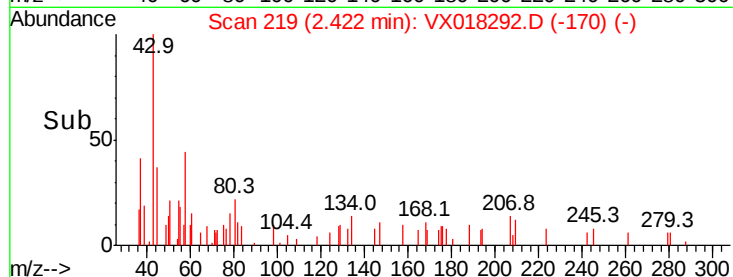
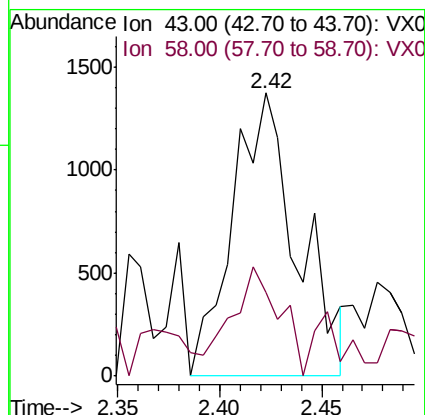
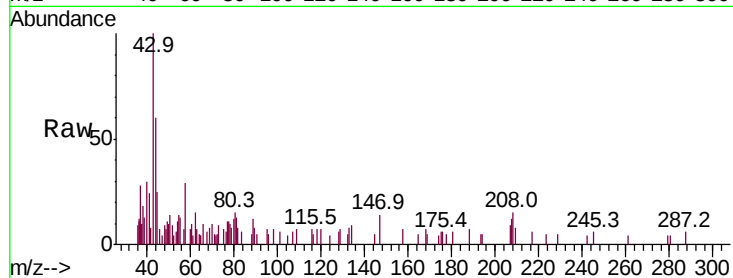
VX0908WBL02

Tot Ion: 43 Resp: 3044

Ion Ratio Lower Upper

43 100

58 24.4 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.306 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018292.D

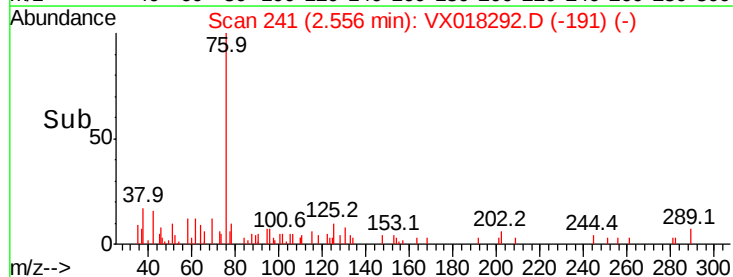
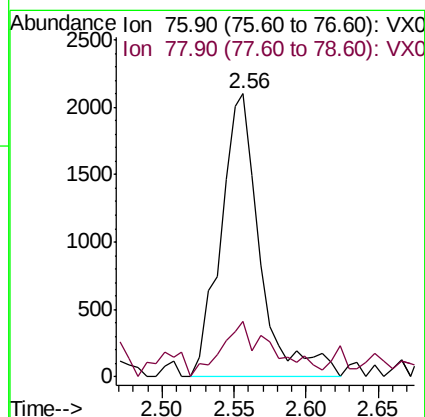
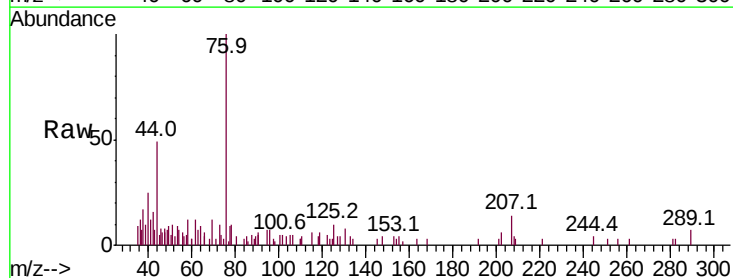
Acq: 08 Sep 2020 22:52

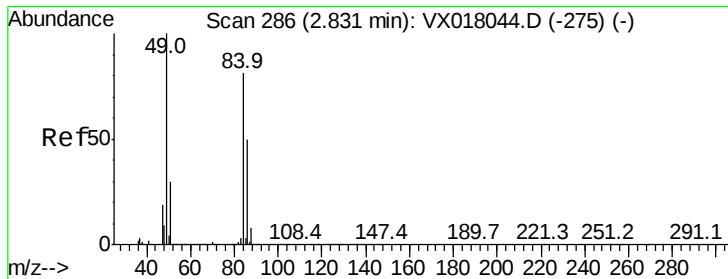
Tgt Ion: 76 Resp: 3985

Ion Ratio Lower Upper

76 100

78 19.7 7.4 11.0#

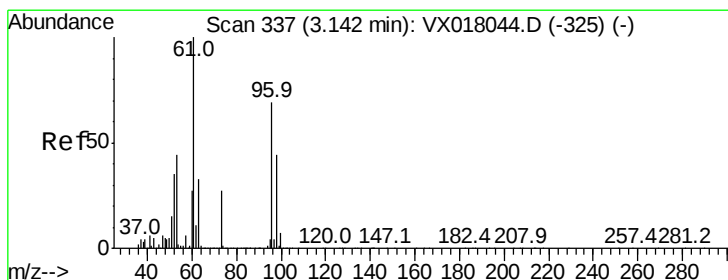
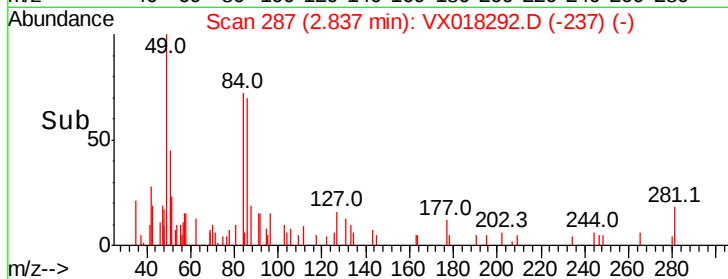
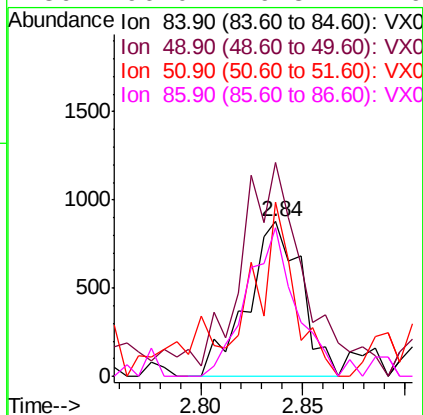
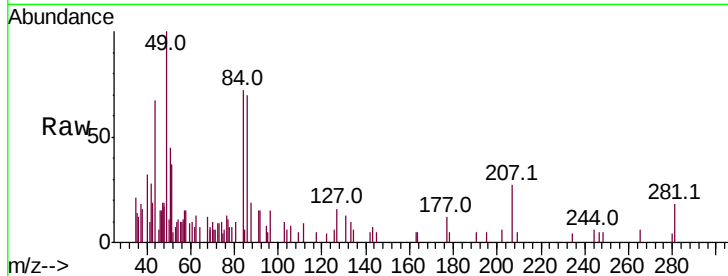




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018292.D
Acq: 08 Sep 2020 22:52

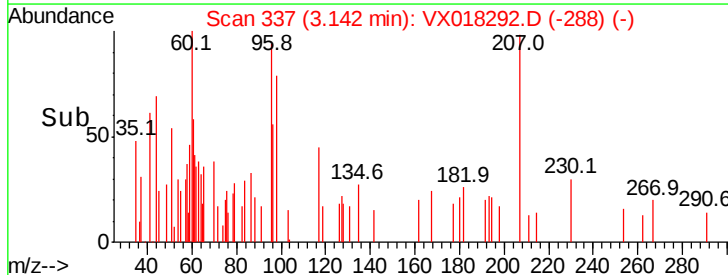
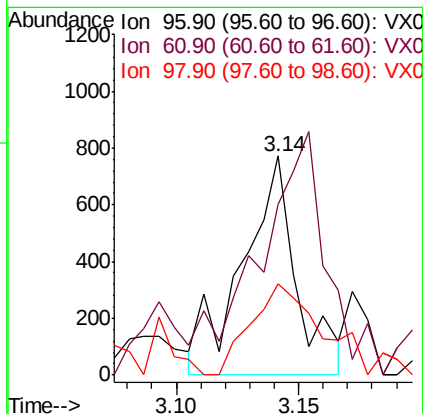
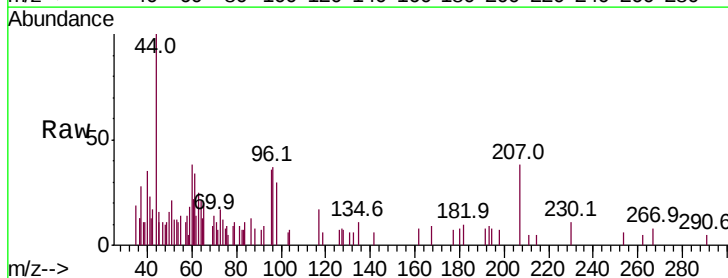
Instrument :
MSVOA_X
ClientSampleId :
VX0908WBL02

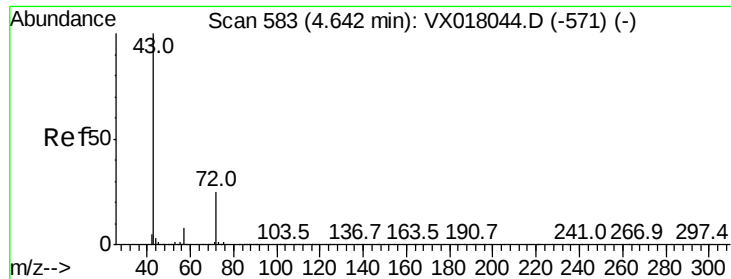
Tot Ion: 84 Resp: 1612
Ion Ratio Lower Upper
84 100
49 104.4 98.6 148.0
51 112.4 29.6 44.4#
86 96.0 49.8 74.6#



#21
trans-1,2-Dichloroethene
Concen: 0.249 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018292.D
Acq: 08 Sep 2020 22:52

Tgt Ion: 96 Resp: 1189
Ion Ratio Lower Upper
96 100
61 71.7 115.4 173.0#
98 38.7 51.1 76.7#





#25

2-Butanone

Concen: 0.341 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

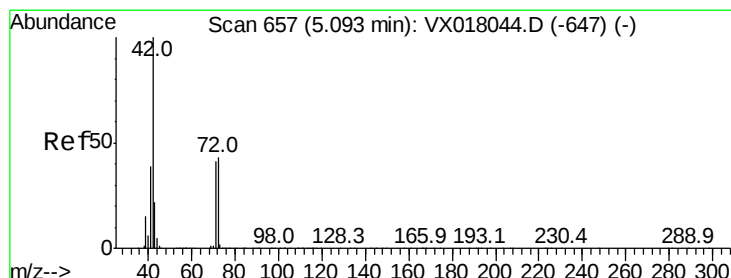
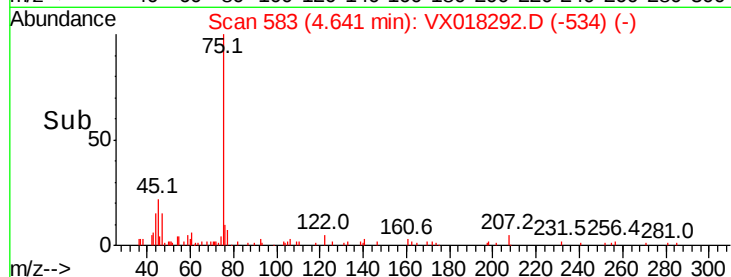
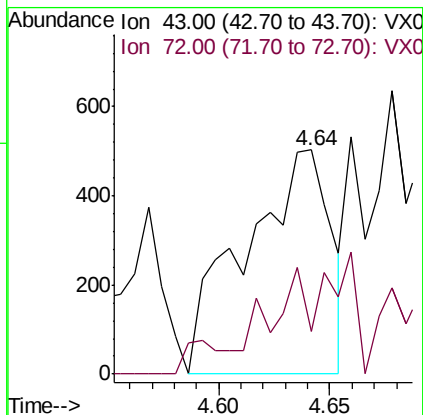
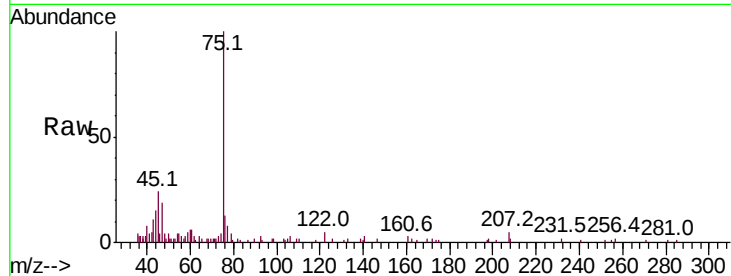
VX0908WBL02

Tot Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

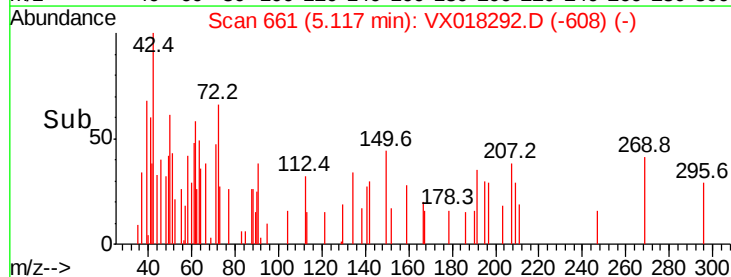
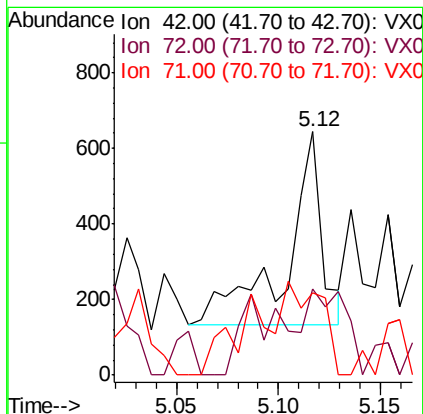
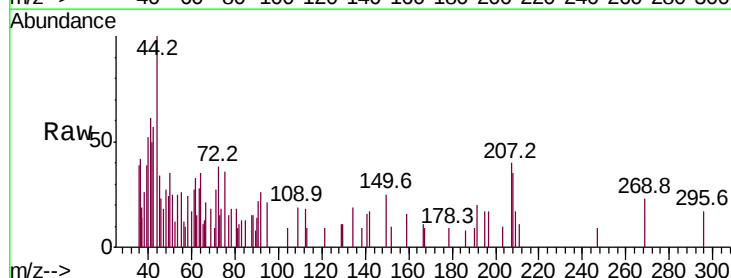
Tgt Ion: 42 Resp: 621

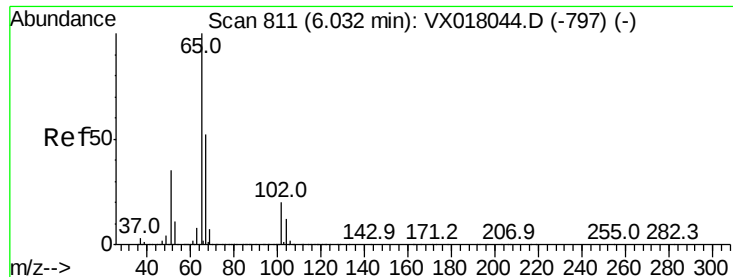
Ion Ratio Lower Upper

42 100

72 45.6 34.2 51.4

71 93.6 32.1 48.1#

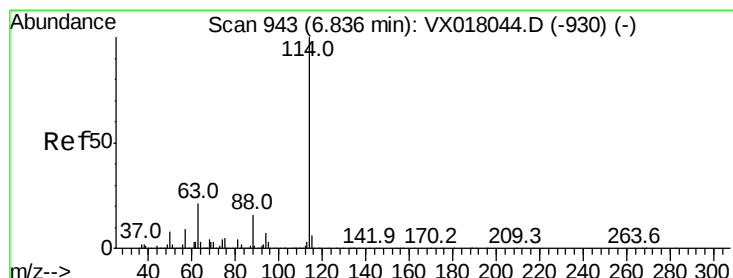
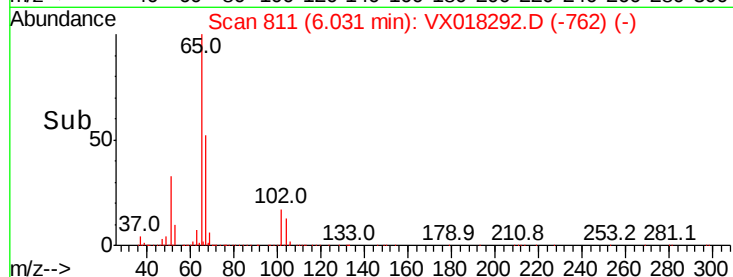
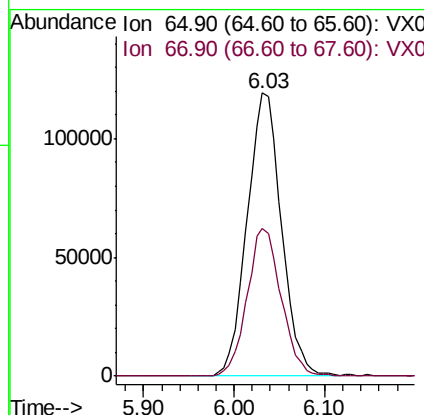
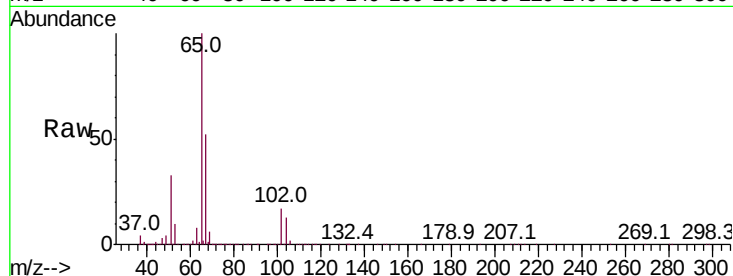




#33
 1,2-Dichloroethane-d4
 Concen: 51.038 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018292.D
 Acq: 08 Sep 2020 22:52

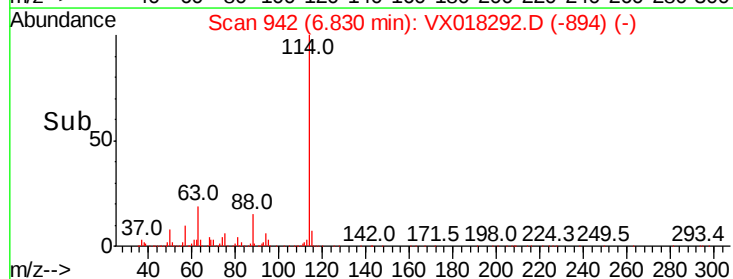
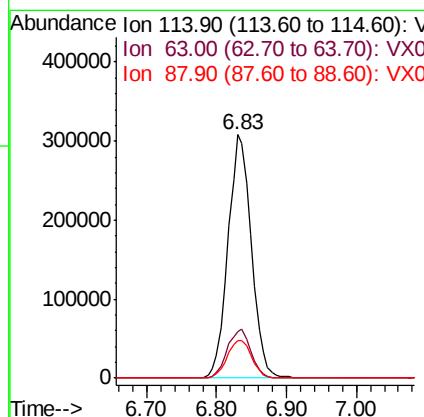
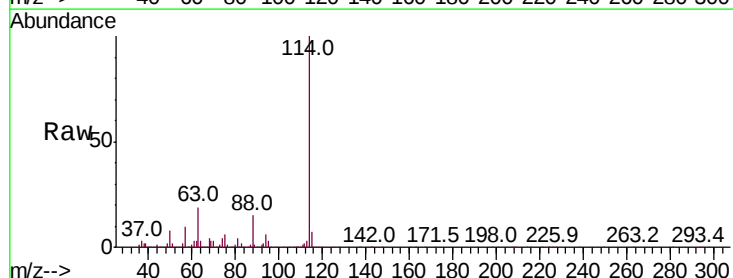
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908WBL02

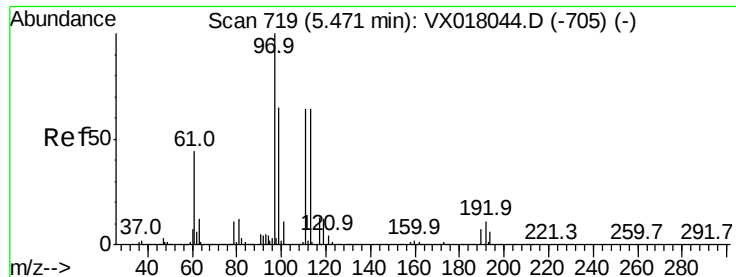
Tot Ion: 65 Resp: 312721
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018292.D
 Acq: 08 Sep 2020 22:52

Tgt Ion:114 Resp: 715748
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.6
 88 15.4 0.0 31.8

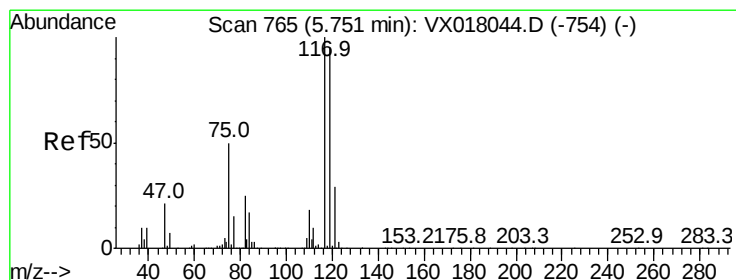
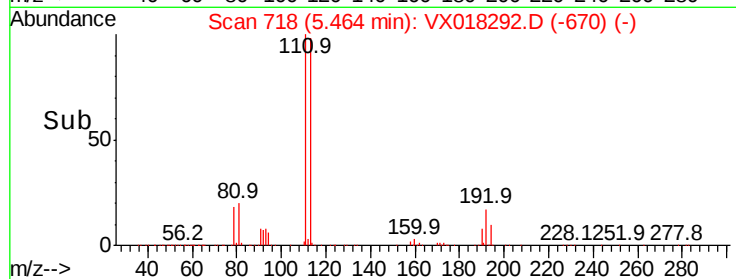
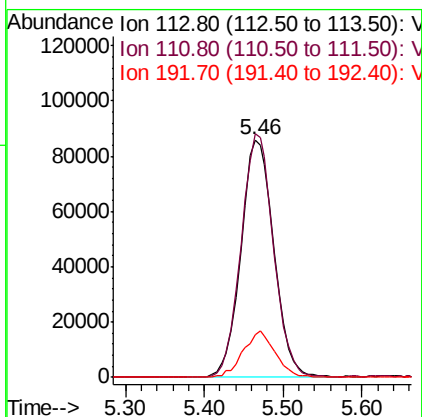
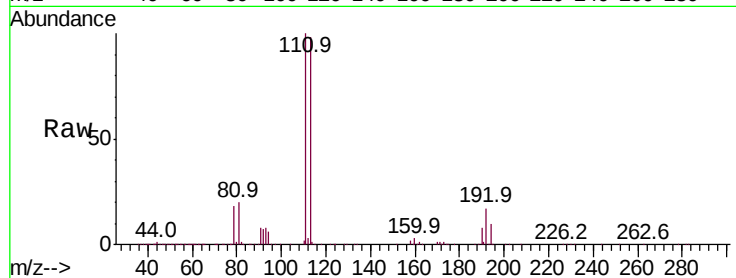




#35
Dibromofluoromethane
Concen: 51.087 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018292.D
Acq: 08 Sep 2020 22:52

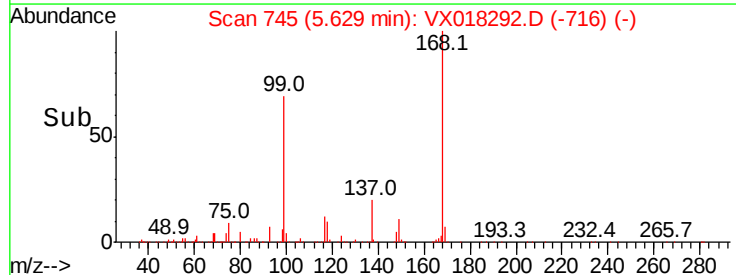
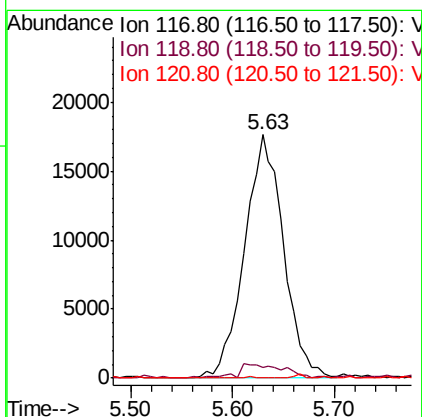
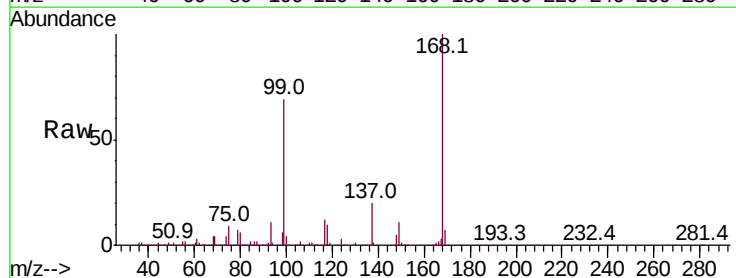
Instrument :
MSVOA_X
ClientSampleId :
VX0908WBL02

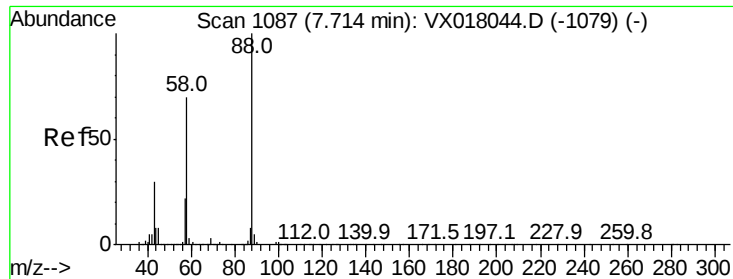
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.6	122.4
192	19.0	15.8	23.8



#38
Carbon Tetrachloride
Concen: 6.281 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX018292.D
Acq: 08 Sep 2020 22:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.8	113.6#
121	0.0	23.4	35.0#





#49

1,4-Dioxane

Concen: 1.675 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

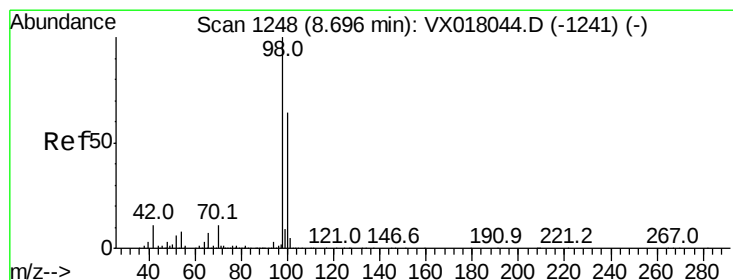
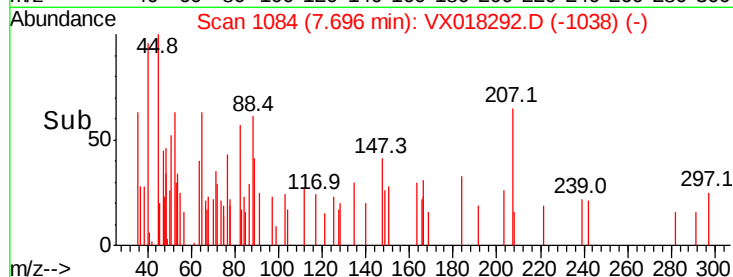
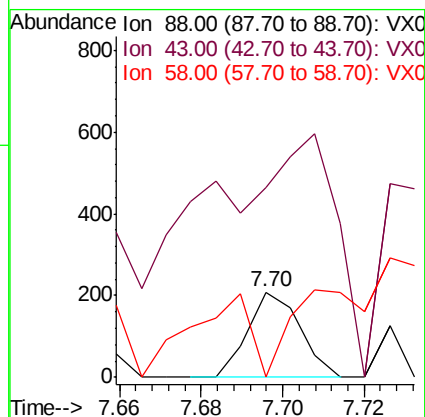
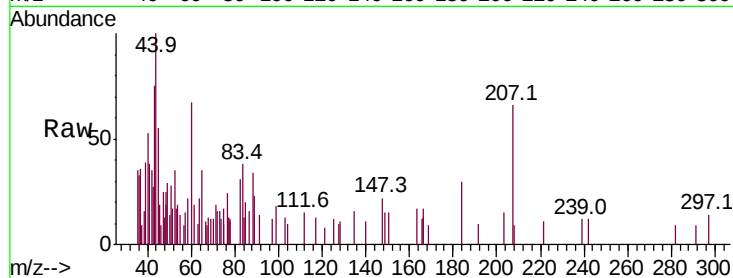
Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
VX0908WBL02

Tot Ion: 88 Resp: 187

Ion	Ratio	Lower	Upper
88	100		
43	711.2	27.4	41.0#
58	110.2	56.4	84.6#



#50

Toluene-d8

Concen: 47.540 ug/l

RT: 8.70 min Scan# 1248

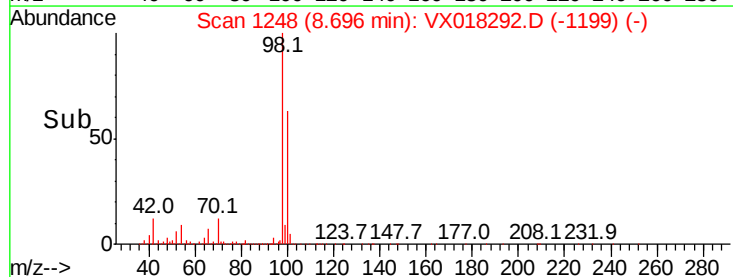
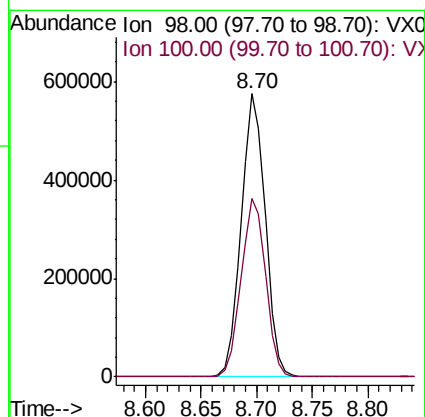
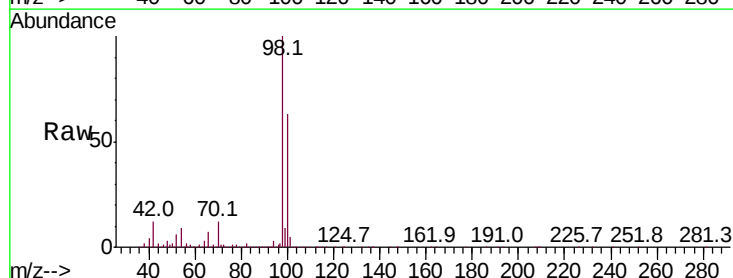
Delta R.T. -0.00 min

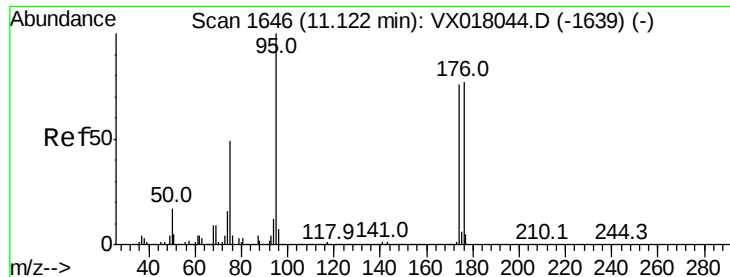
Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Tgt Ion: 98 Resp: 863120

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 44.305 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

VX0908WBL02

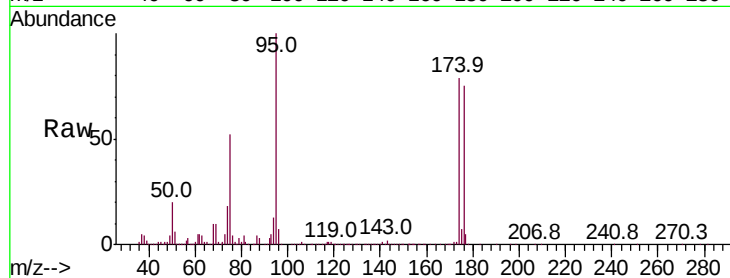
Tot Ion: 95 Resp: 316478

Ion Ratio Lower Upper

95 100

174 79.7 0.0 160.2

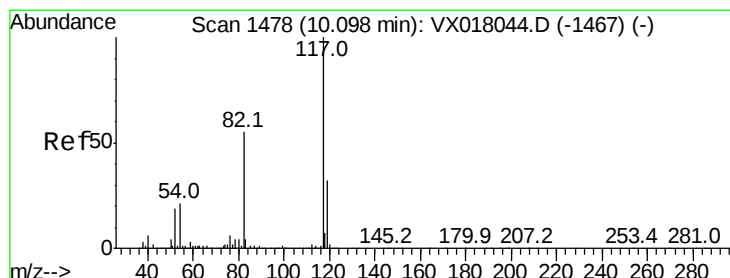
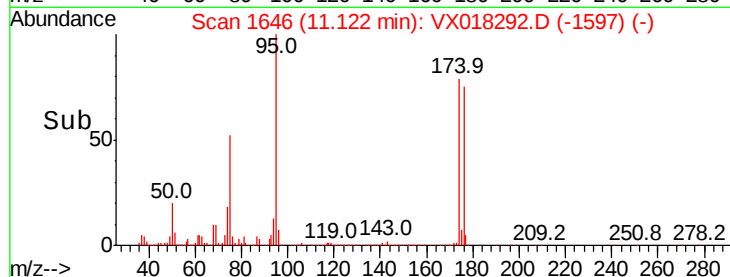
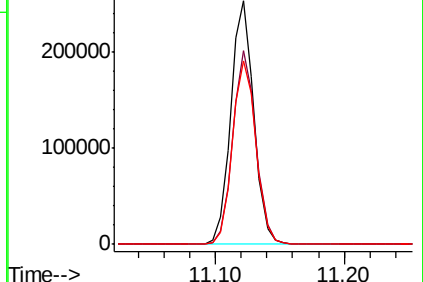
176 77.0 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

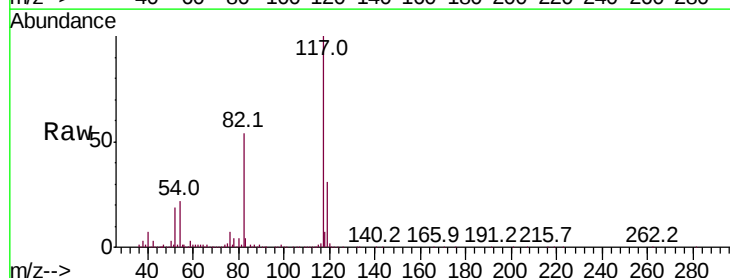
Tgt Ion: 117 Resp: 674424

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

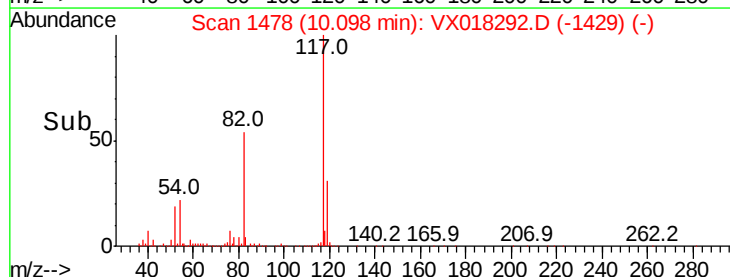
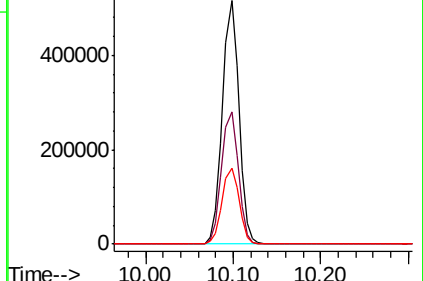
119 31.2 25.7 38.5

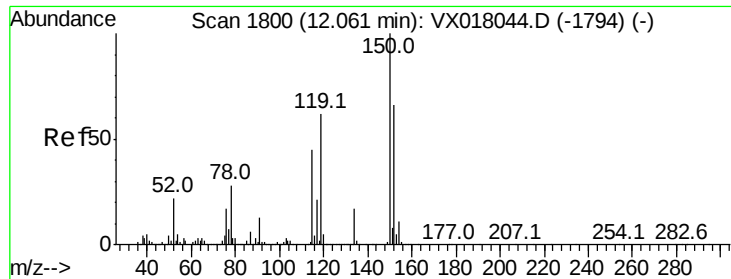


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

VX0908WBL02

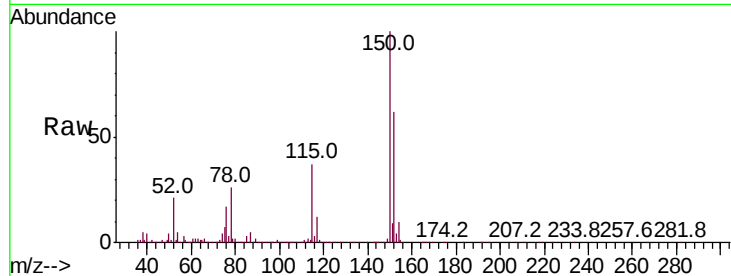
Tot Ion:152 Resp: 346269

Ion Ratio Lower Upper

152 100

115 59.1 41.5 124.5

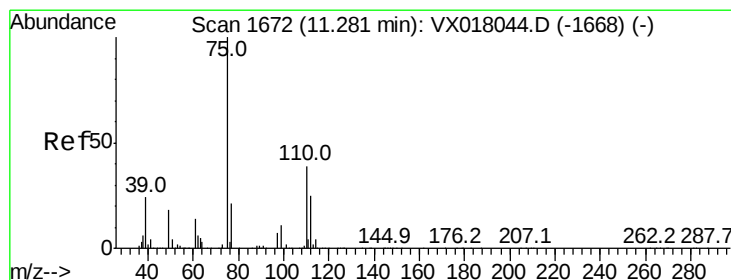
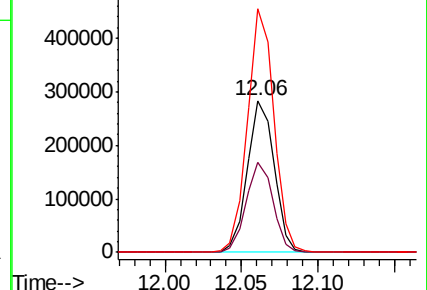
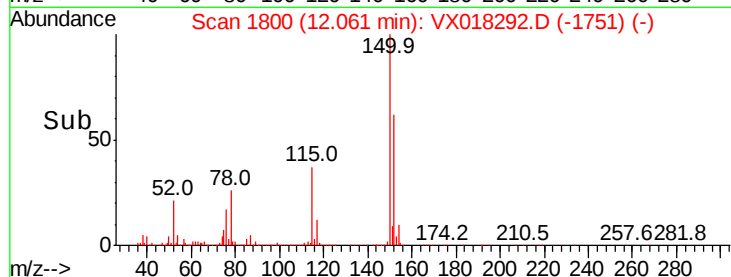
150 157.3 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.733 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018292.D

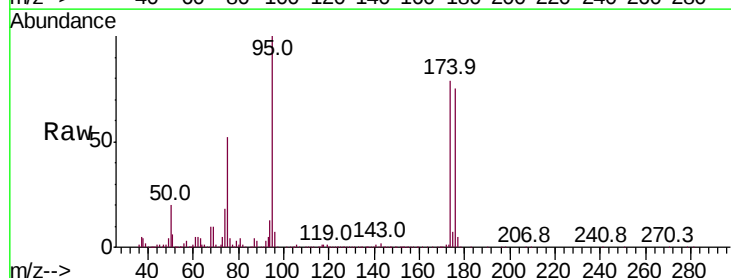
Acq: 08 Sep 2020 22:52

Tgt Ion: 75 Resp: 167409

Ion Ratio Lower Upper

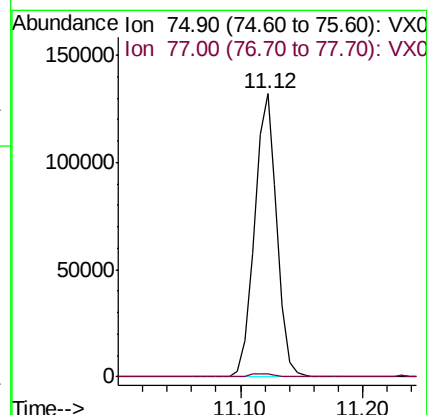
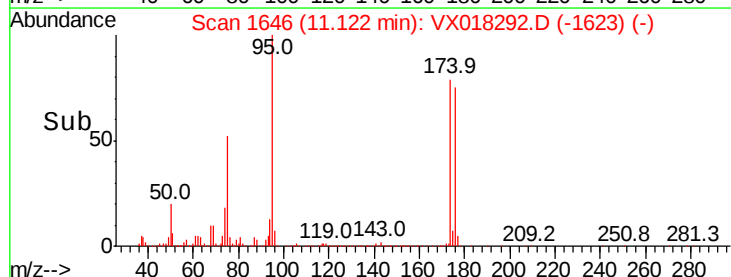
75 100

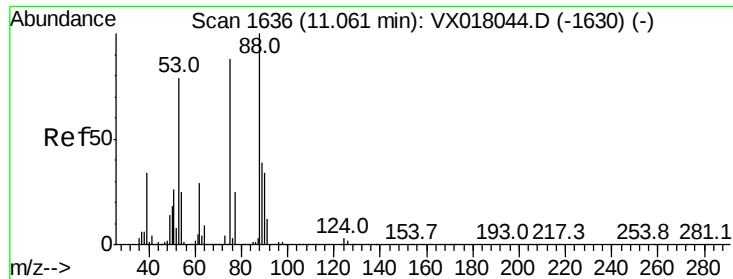
77 1.5 20.8 62.2#



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: 58.698 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

VX0908WBL02

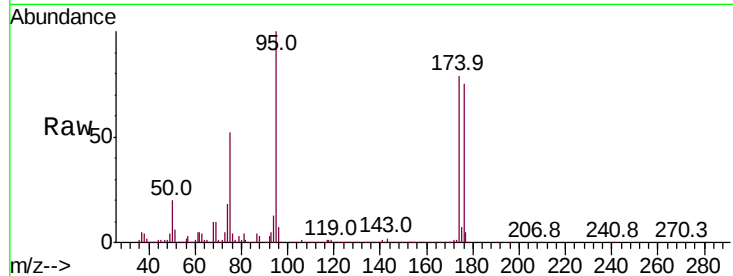
Tot Ion: 75 Resp: 167409

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

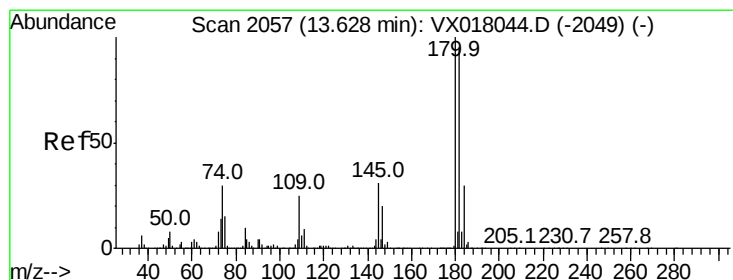
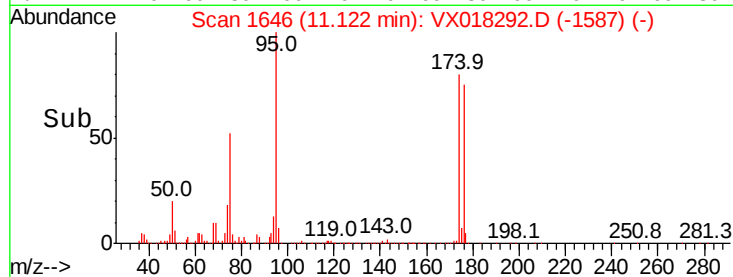
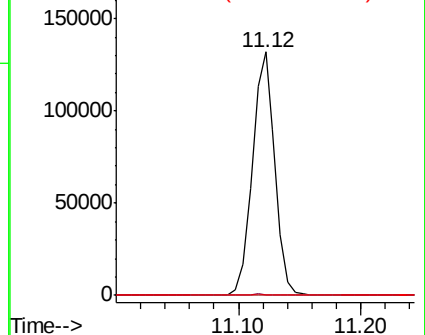
89 0.1 36.6 54.8#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.307 ug/l

RT: 13.62 min Scan# 2056

Delta R.T. -0.01 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

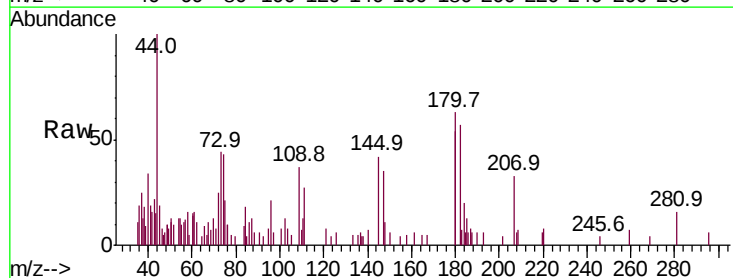
Tgt Ion: 180 Resp: 2139

Ion Ratio Lower Upper

180 100

182 86.6 47.5 142.6

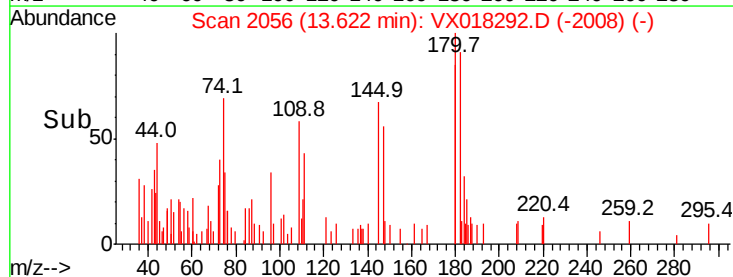
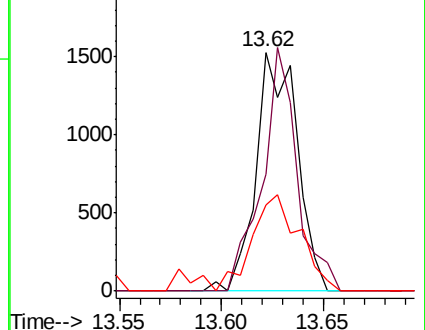
145 46.8 15.7 47.1

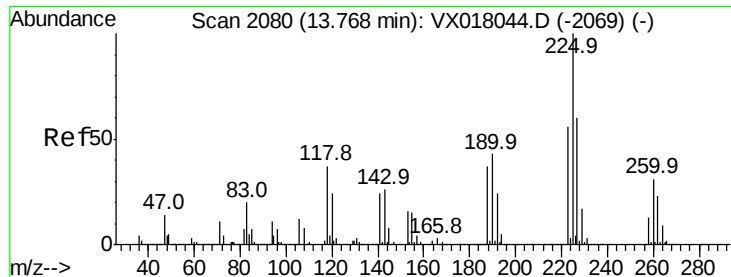


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.378 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

VX0908WBL02

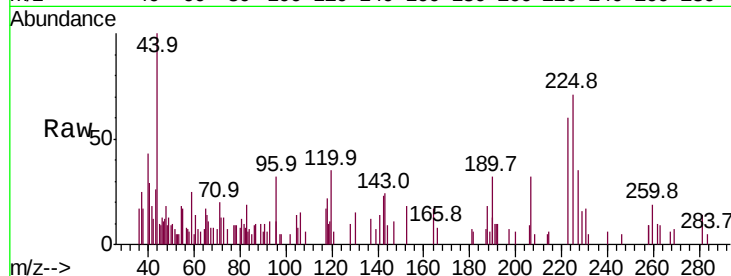
Tot Ion:225 Resp: 1037

Ion Ratio Lower Upper

225 100

223 65.9 30.7 92.1

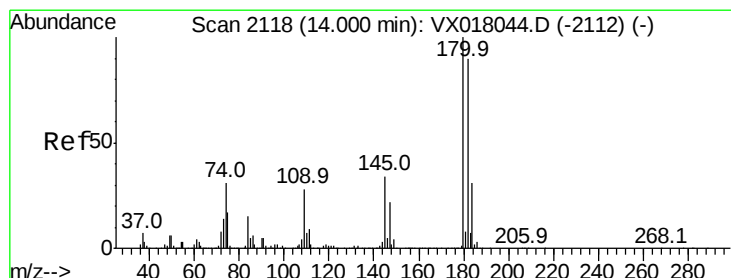
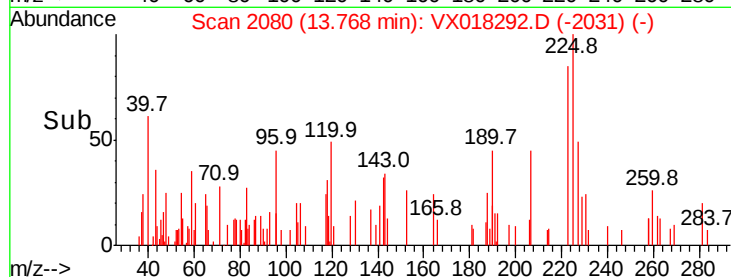
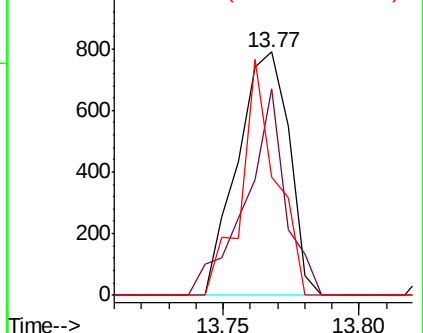
227 64.9 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.254 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018292.D

Acq: 08 Sep 2020 22:52

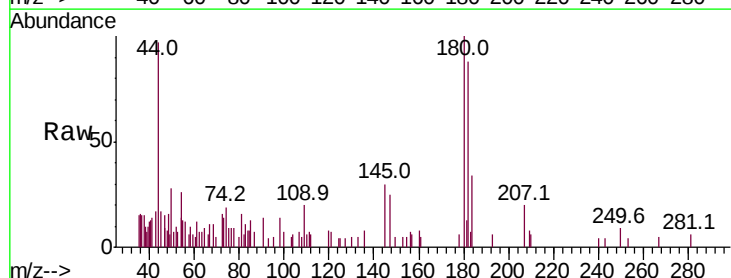
Tgt Ion:180 Resp: 1744

Ion Ratio Lower Upper

180 100

182 80.2 47.3 142.0

145 43.6 17.5 52.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

