

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090120\
 Data File : VX018179.D
 Acq On : 01 Sep 2020 10:05
 Operator : JC/SP
 Sample : VX0901WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901WBL01

Quant Time: Sep 02 02:46:59 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	5.62	168	479250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	762511	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	706983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	326786	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	334770	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
35) Dibromofluoromethane	5.46	113	266264	51.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.54%	
50) Toluene-d8	8.70	98	916797	47.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	11.12	95	329149	43.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.50%	

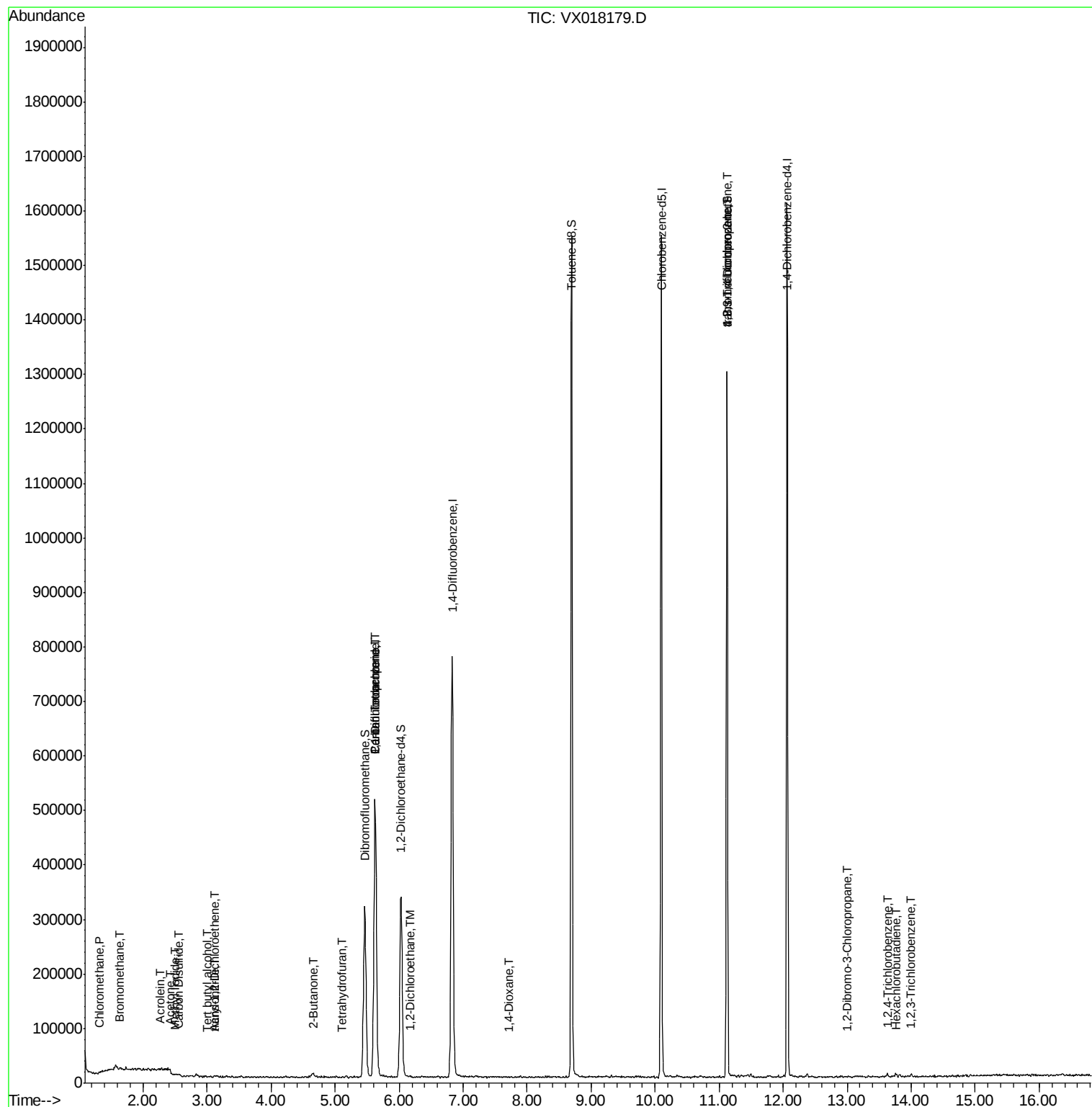
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1375	0.224	ug/l	93
5) Bromomethane	1.64	94	923	0.312	ug/l #	50
10) Methyl Iodide	2.50	142	2575	5.763	ug/l #	41
11) Tert butyl alcohol	3.01	59	504	0.390	ug/l #	91
13) Acrolein	2.26	56	814	1.518	ug/l #	82
15) Acrylonitrile	3.12	53	1457	0.497	ug/l #	49
16) Acetone	2.42	43	2207	0.851	ug/l #	88
17) Carbon Disulfide	2.55	76	3609	0.255	ug/l #	83
20) Methylene Chloride	2.83	84	1853	Below Cal	#	72
21) trans-1,2-Dichloroethene	3.13	96	1107	0.213	ug/l #	38
25) 2-Butanone	4.66	43	1876	0.440	ug/l	95
29) Tetrahydrofuran	5.09	42	772	0.285	ug/l #	66
36) 1,1-Dichloropropene	5.63	75	35912	5.106	ug/l #	52
38) Carbon Tetrachloride	5.63	117	49721	6.273	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	1595	0.201	ug/l	97
49) 1,4-Dioxane	7.71	88	94	0.790	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	168851	23.227	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	168851	62.733	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	585	0.308	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.63	180	1806	0.275	ug/l	97
94) Hexachlorobutadiene	13.77	225	1044	0.403	ug/l	87
96) 1,2,3-Trichlorobenzene	14.00	180	1429	0.220	ug/l	80

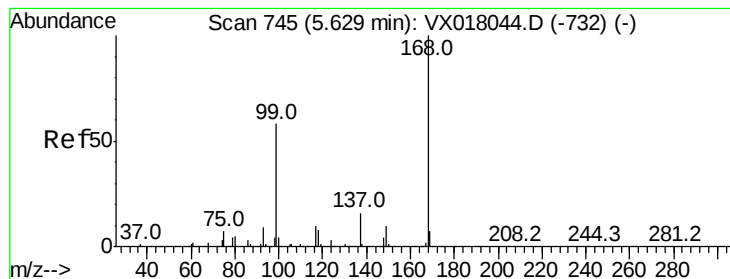
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090120\
Data File : VX018179.D
Acq On : 01 Sep 2020 10:05
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0901WBL01

Quant Time: Sep 02 02:46:59 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: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

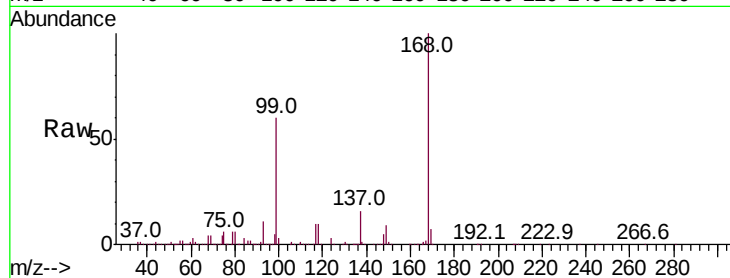
VX0901WBL01

Tot Ion:168 Resp: 479250

Ion Ratio Lower Upper

168 100

99 60.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

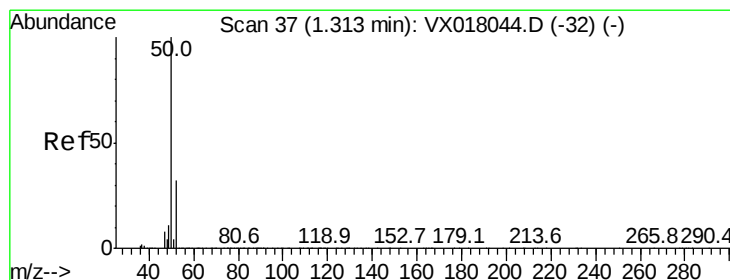
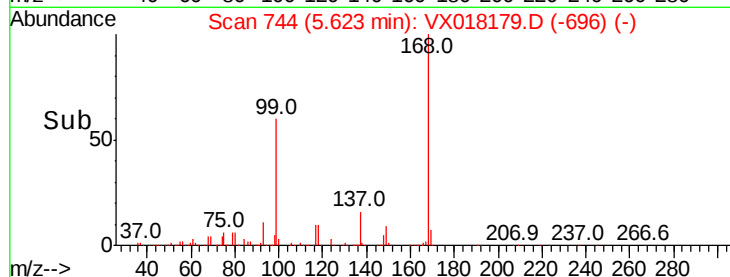
5.62

5.50

5.60

5.70

Time-->



#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018179.D

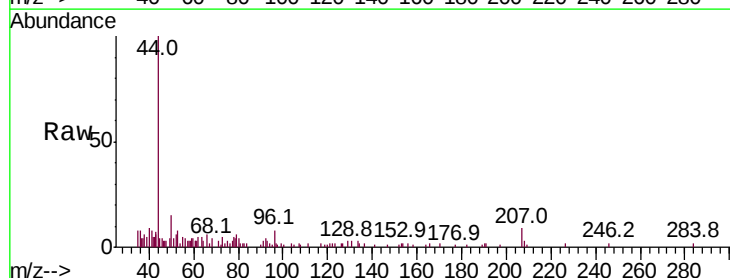
Acq: 01 Sep 2020 10:05

Tgt Ion: 50 Resp: 1375

Ion Ratio Lower Upper

50 100

52 27.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

600

400

200

0

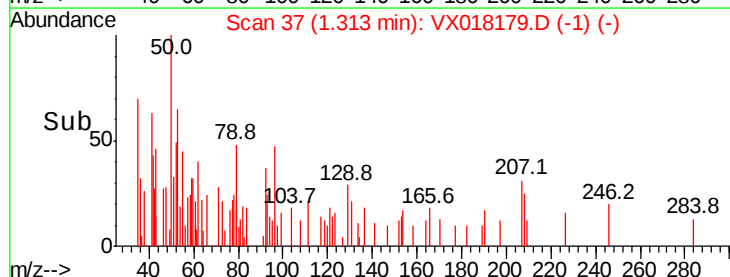
1.31

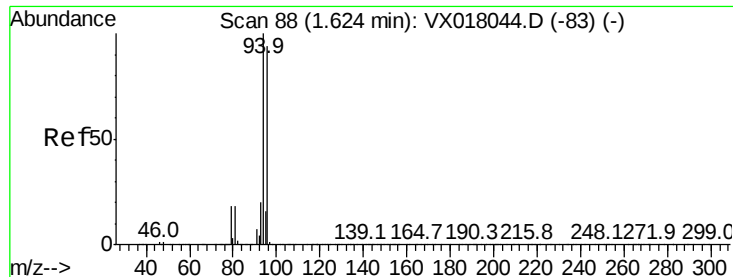
1.25

1.30

1.35

Time-->





#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

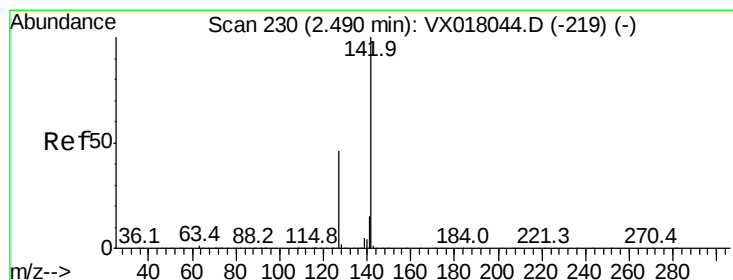
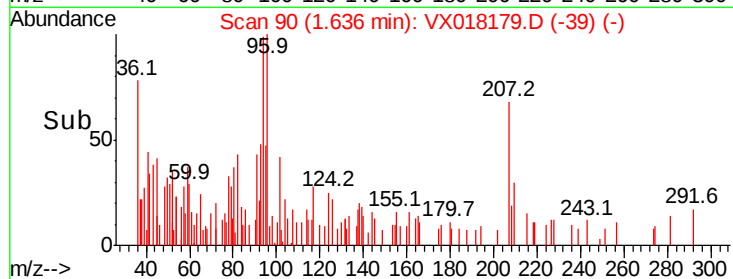
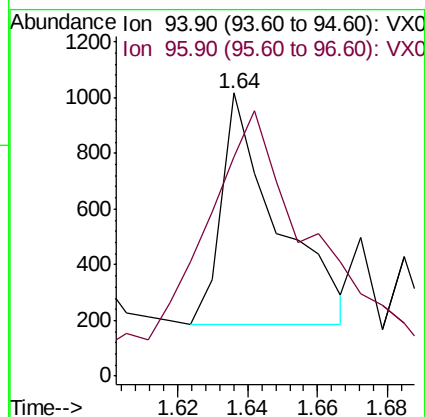
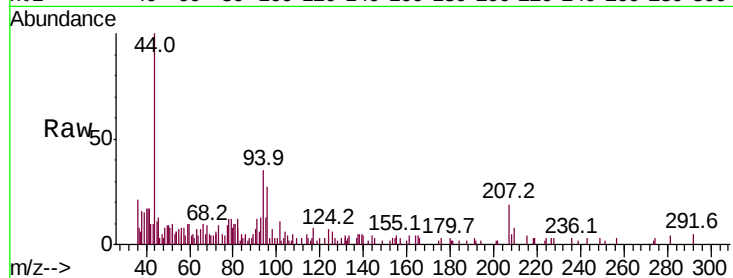
VX0901WBL01

Tot Ion: 94 Resp: 923

Ion Ratio Lower Upper

94 100

96 45.5 74.8 112.2#



#10

Methyl Iodide

Concen: 5.763 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

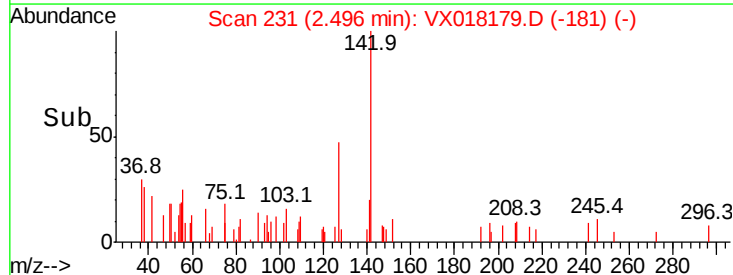
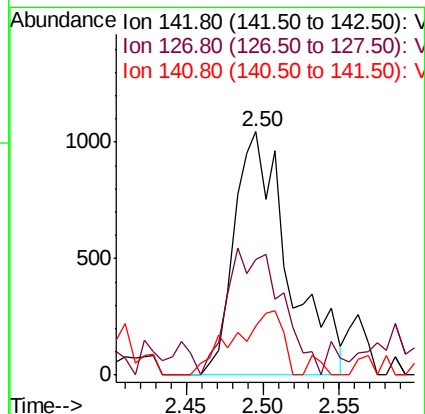
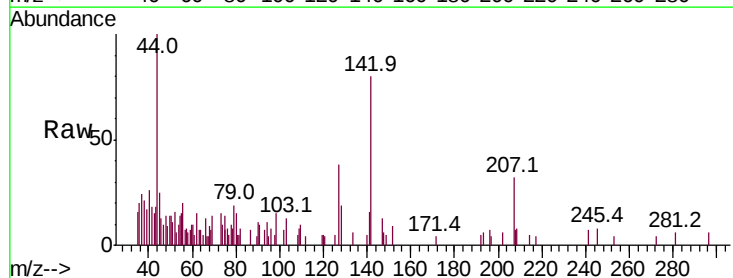
Tgt Ion: 142 Resp: 2575

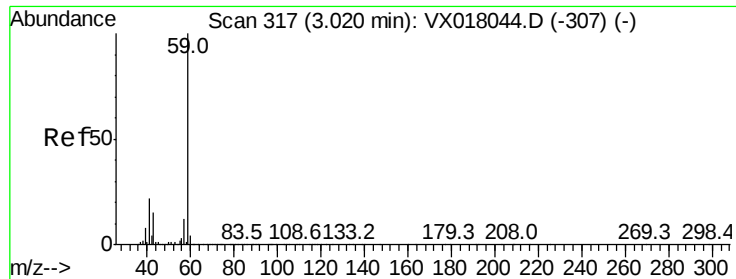
Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 23.8 11.5 17.3#

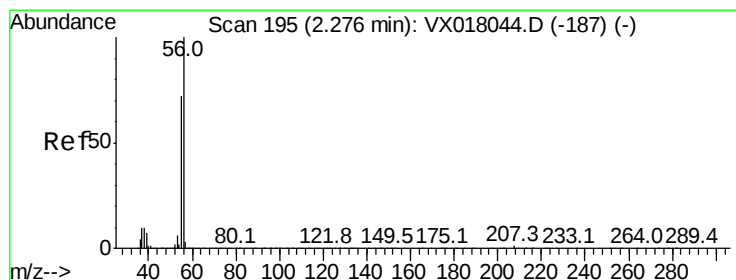
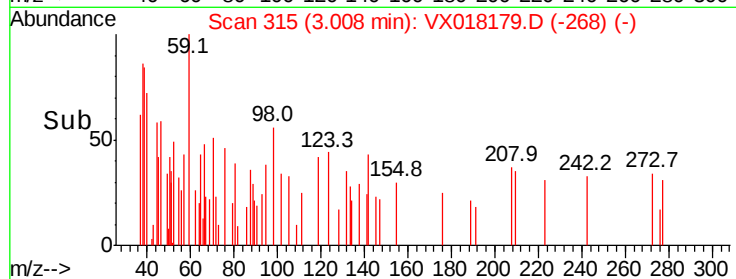
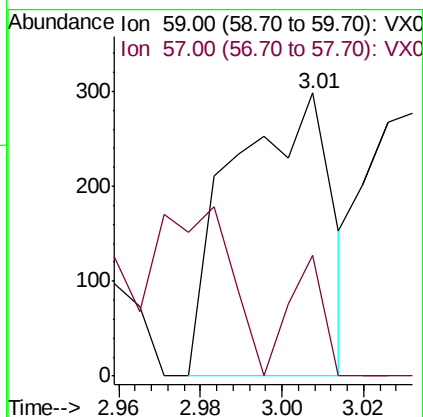
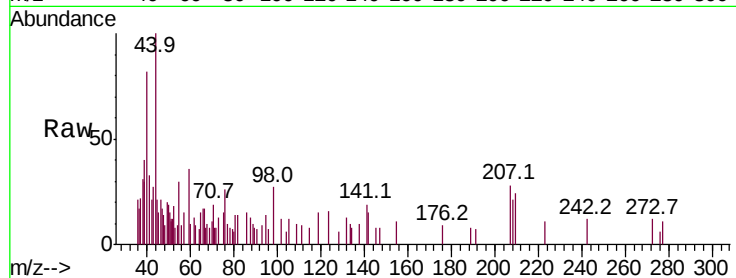




#11
Tert butyl alcohol
Concen: 0.390 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018179.D
Acq: 01 Sep 2020 10:05

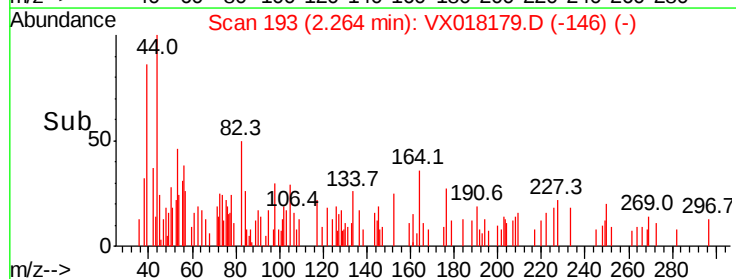
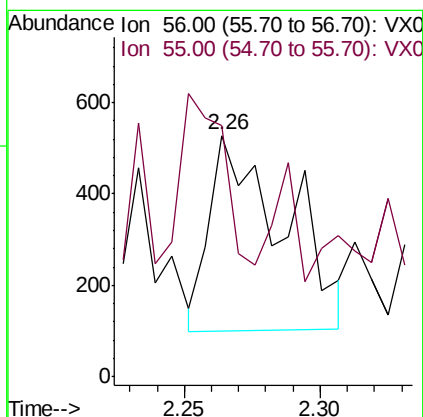
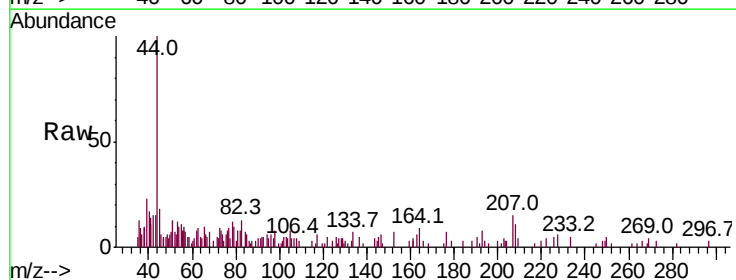
Instrument :
MSVOA_X
ClientSampleId :
VX0901WBL01

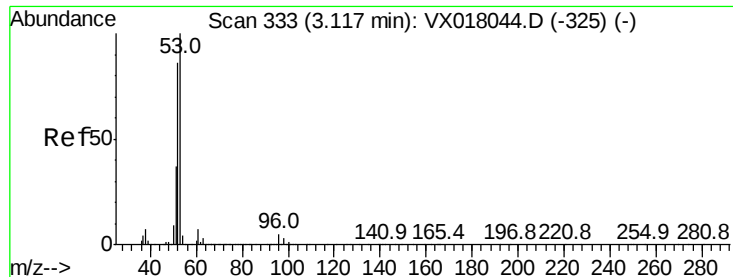
Tot Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 14.7 8.9 13.3#



#13
Acrolein
Concen: 1.518 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018179.D
Acq: 01 Sep 2020 10:05

Tgt Ion: 56 Resp: 814
Ion Ratio Lower Upper
56 100
55 56.4 57.0 85.6#





#15

Acrylonitrile

Concen: 0.497 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampled :

VX0901WBL01

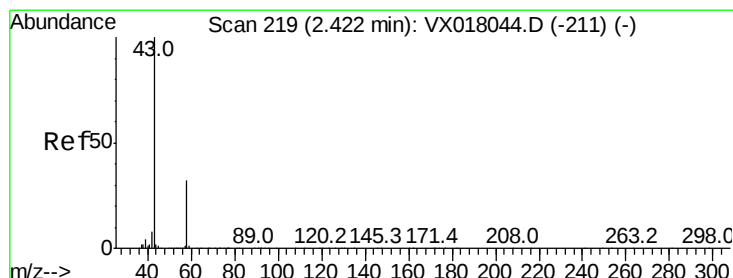
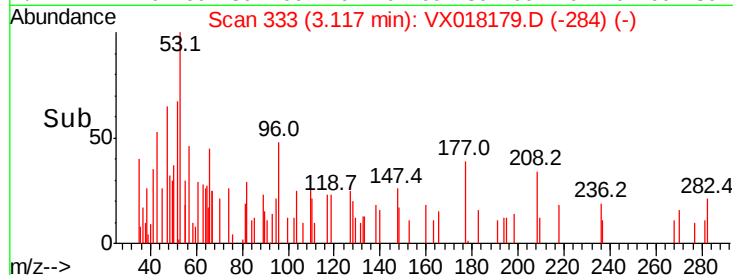
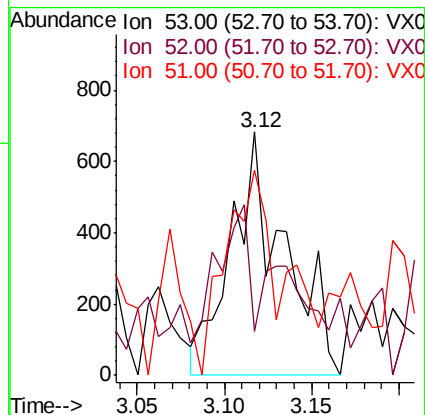
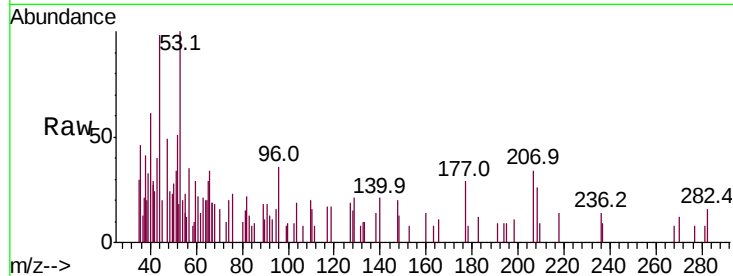
Tot Ion: 53 Resp: 1457

Ion Ratio Lower Upper

53 100

52 37.0 66.9 100.3#

51 65.9 28.7 43.1#



#16

Acetone

Concen: 0.851 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018179.D

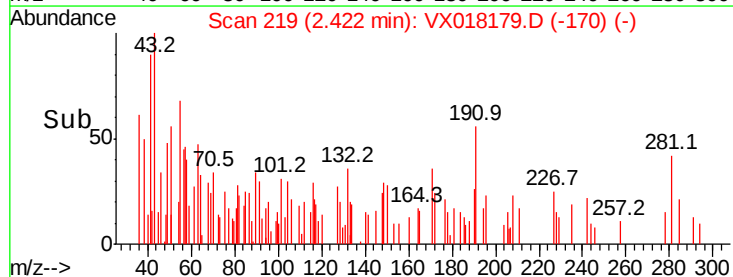
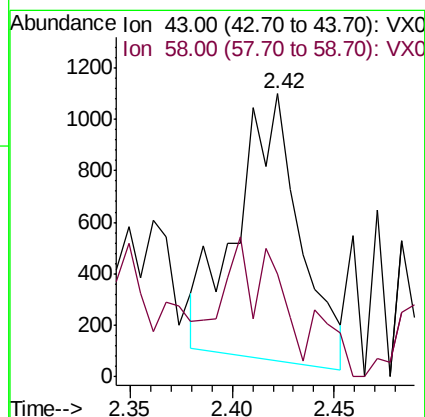
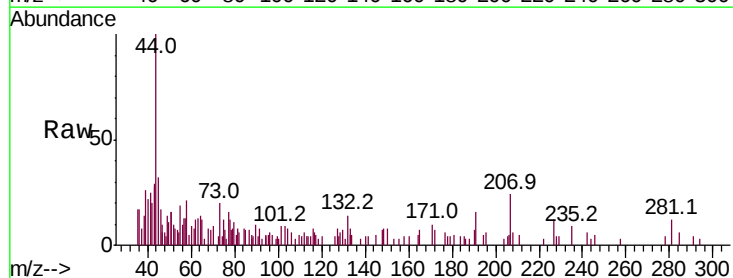
Acq: 01 Sep 2020 10:05

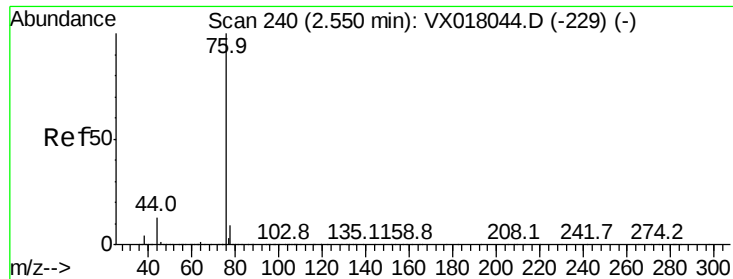
Tgt Ion: 43 Resp: 2207

Ion Ratio Lower Upper

43 100

58 25.2 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.255 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

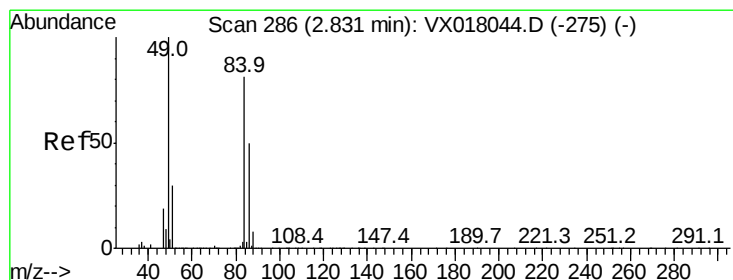
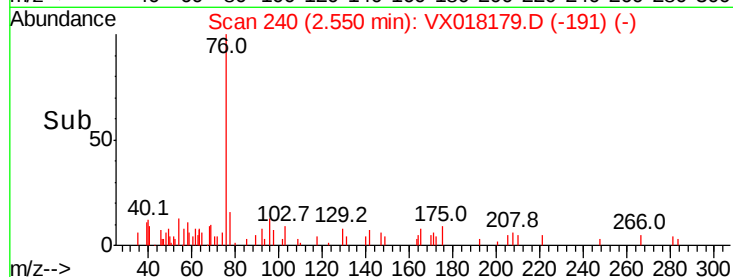
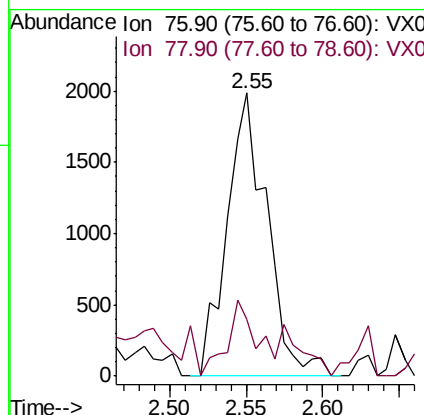
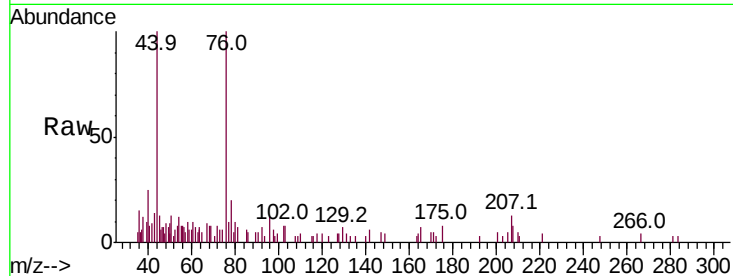
Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :
MSVOA_X
ClientSampleId :
VX0901WBL01

Tot Ion: 76 Resp: 3609

Ion	Ratio	Lower	Upper
76	100		
78	15.4	7.4	11.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

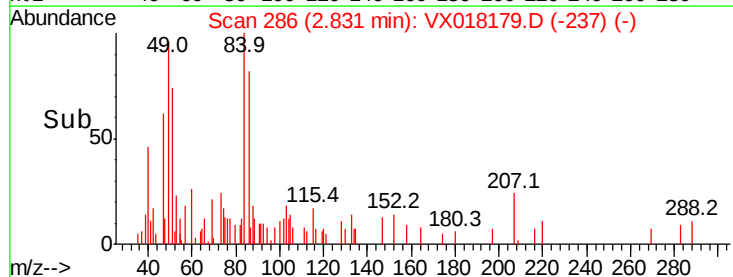
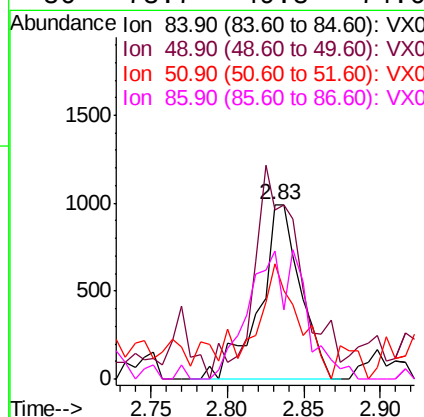
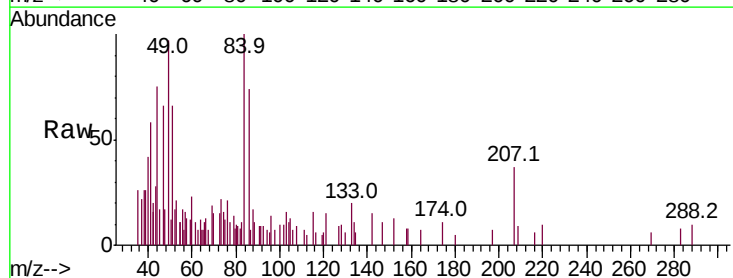
Delta R.T. 0.00 min

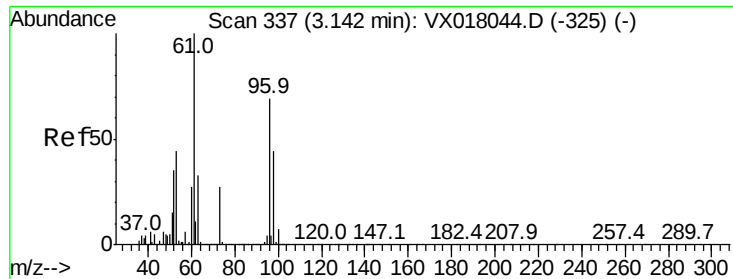
Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Tgt Ion: 84 Resp: 1853

Ion	Ratio	Lower	Upper
84	100		
49	87.6	98.6	148.0#
51	59.1	29.6	44.4#
86	73.7	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 0.213 ug/l

RT: 3.13 min Scan# 335

Delta R.T. -0.01 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

VX0901WBL01

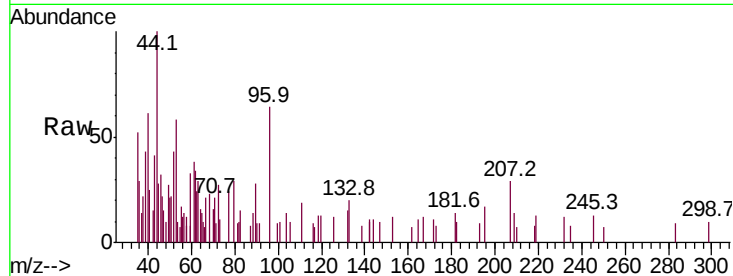
Tot Ion: 96 Resp: 1107

Ion Ratio Lower Upper

96 100

61 78.8 115.4 173.0#

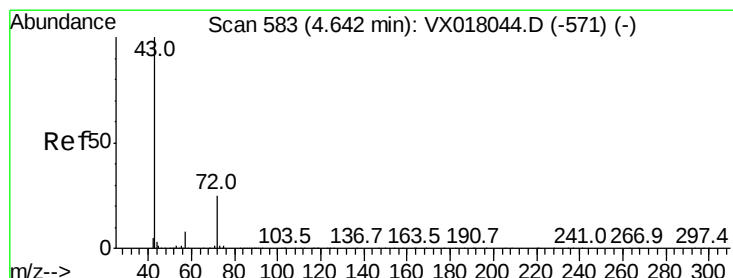
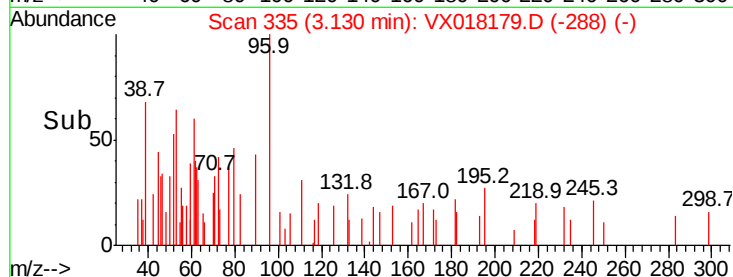
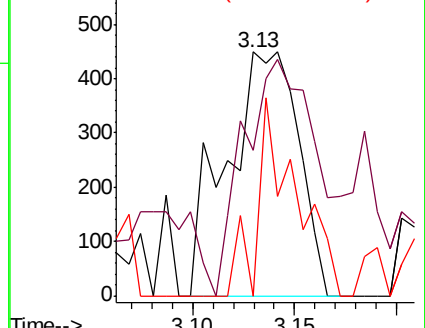
98 0.0 51.1 76.7#



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: 0.440 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX018179.D

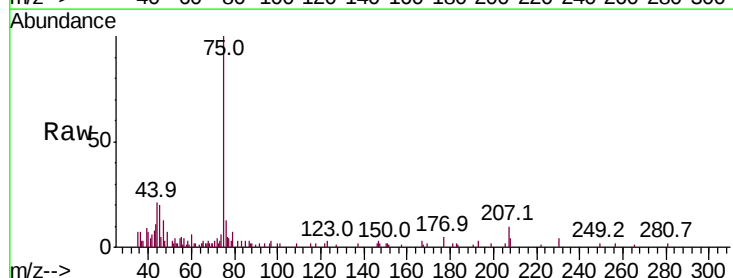
Acq: 01 Sep 2020 10:05

Tgt Ion: 43 Resp: 1876

Ion Ratio Lower Upper

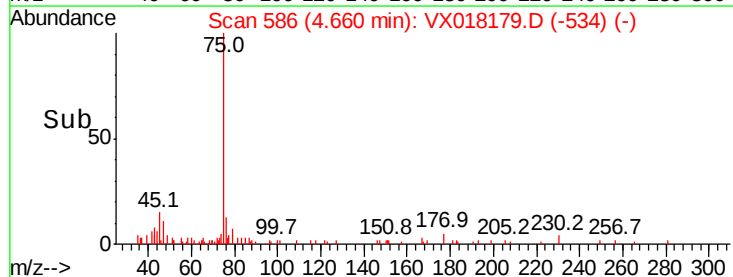
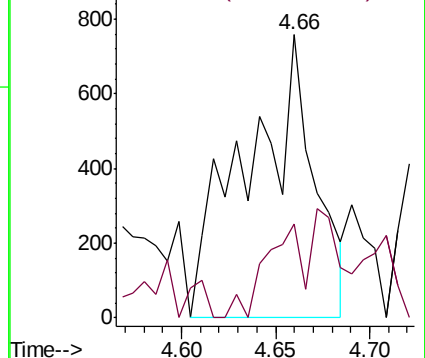
43 100

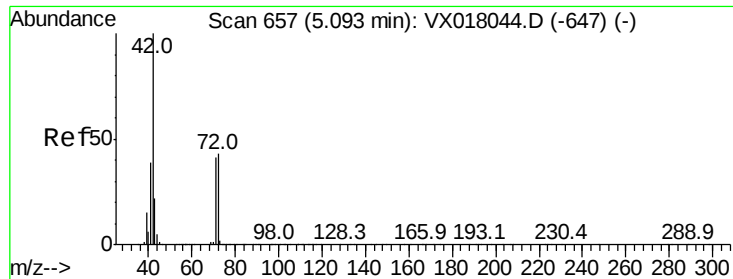
72 22.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.285 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampled :

VX0901WBL01

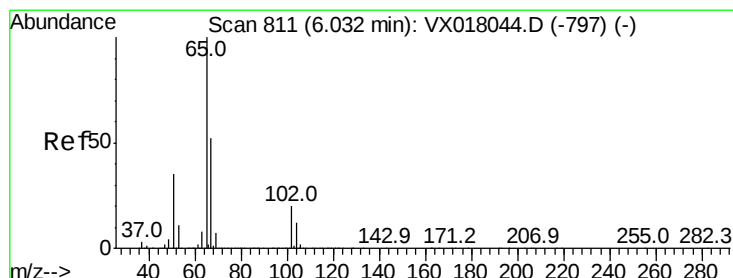
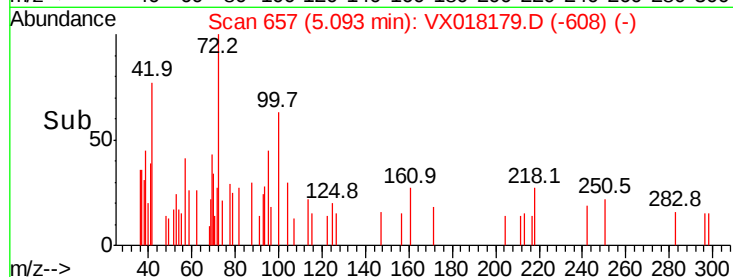
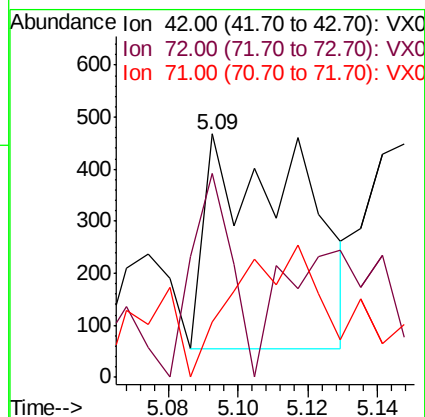
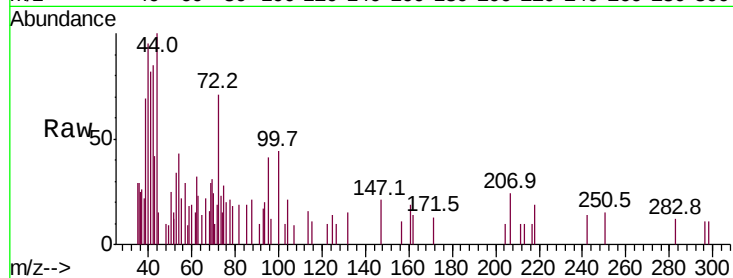
Tot Ion: 42 Resp: 772

Ion Ratio Lower Upper

42 100

72 39.9 34.2 51.4

71 0.0 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 50.317 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018179.D

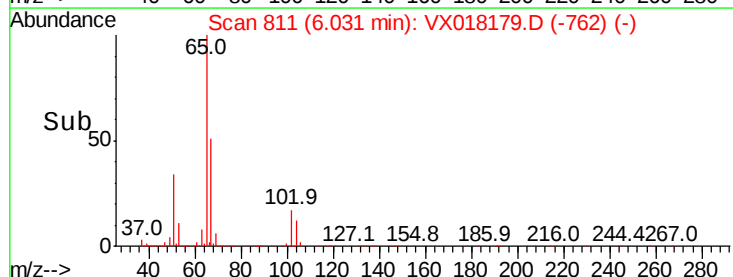
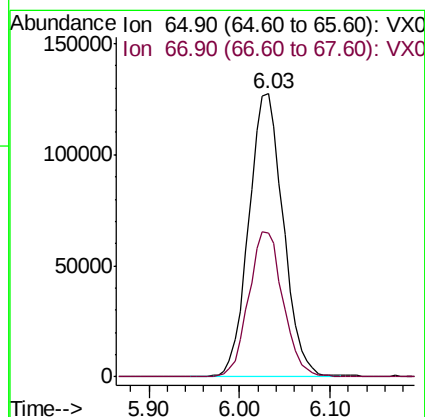
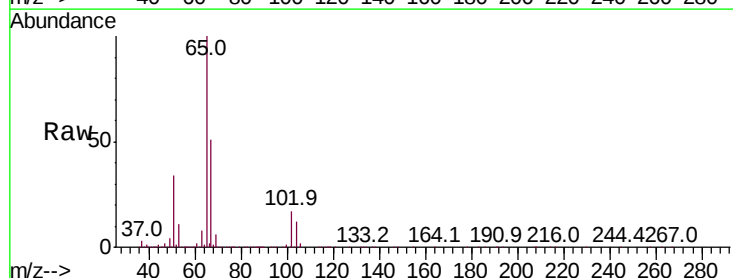
Acq: 01 Sep 2020 10:05

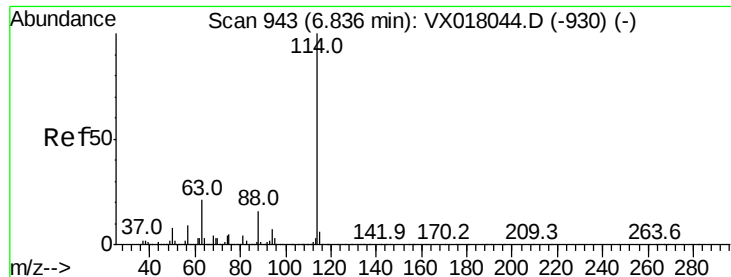
Tgt Ion: 65 Resp: 334770

Ion Ratio Lower Upper

65 100

67 51.3 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: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

VX0901WBL01

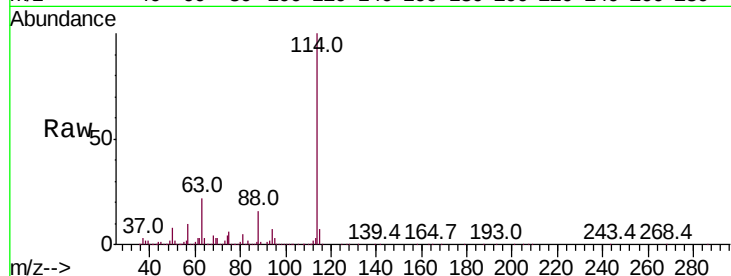
Tot Ion:114 Resp: 762511

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

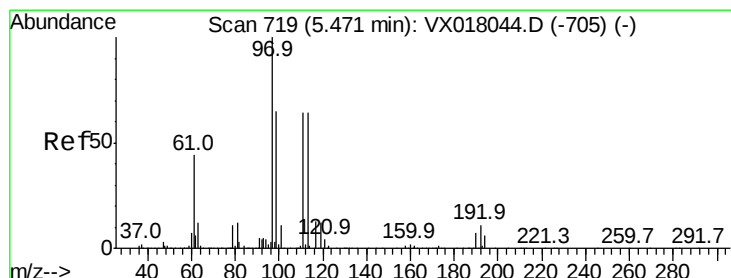
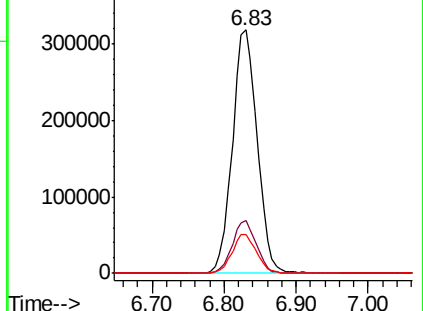
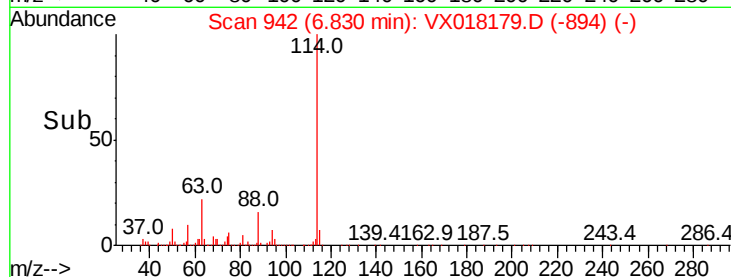
88 15.9 0.0 31.8



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: 51.273 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

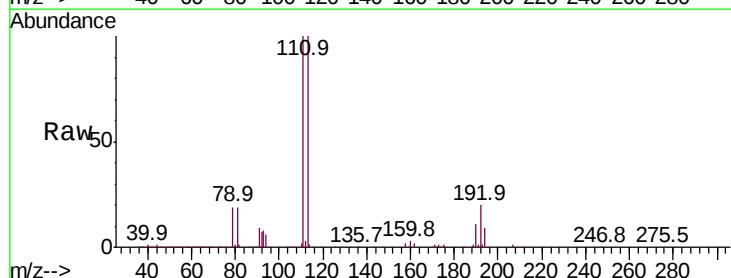
Tgt Ion:113 Resp: 266264

Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

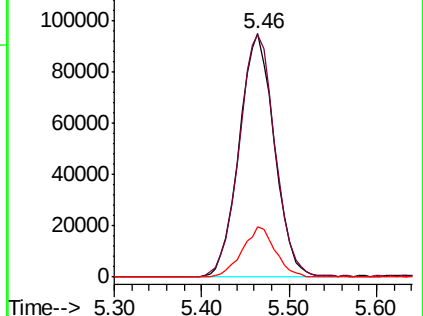
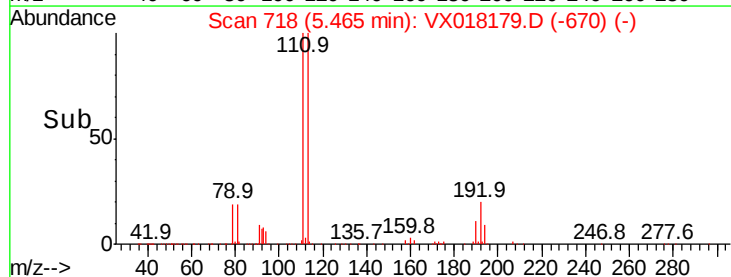
192 19.3 15.8 23.8

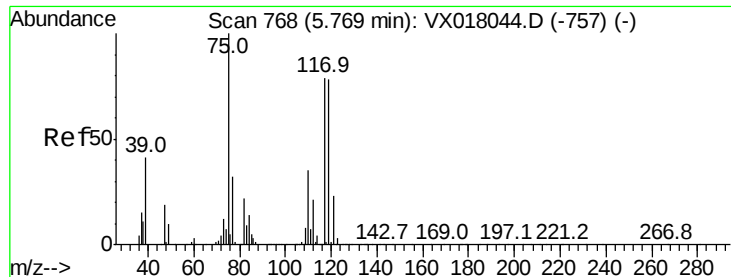


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.106 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

VX0901WBL01

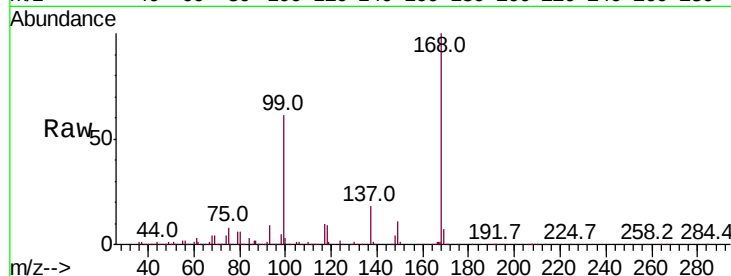
Tot Ion: 75 Resp: 35912

Ion Ratio Lower Upper

75 100

110 11.5 18.0 54.0#

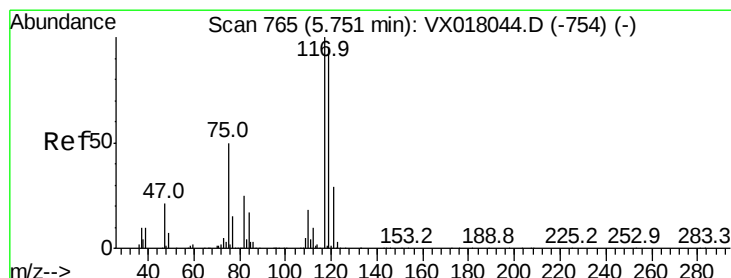
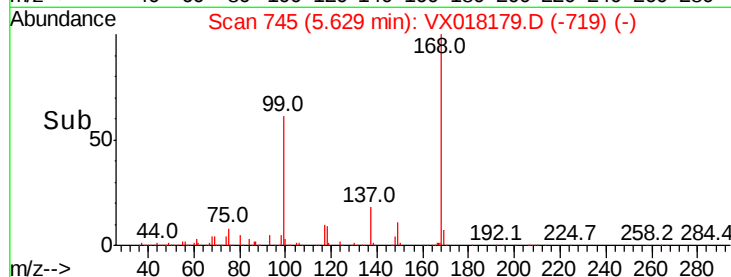
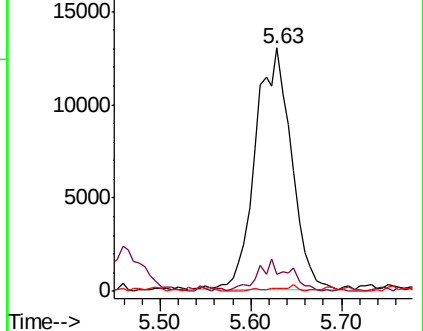
77 0.0 24.4 36.6#



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: 6.273 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

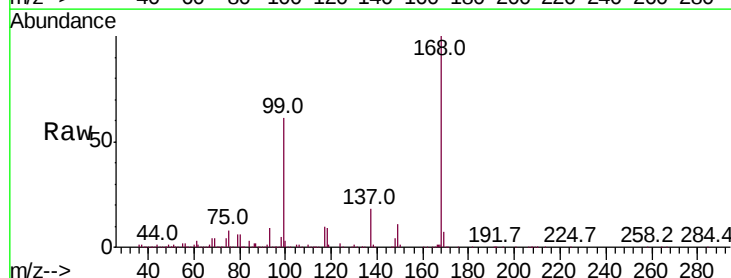
Tgt Ion: 117 Resp: 49721

Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.6#

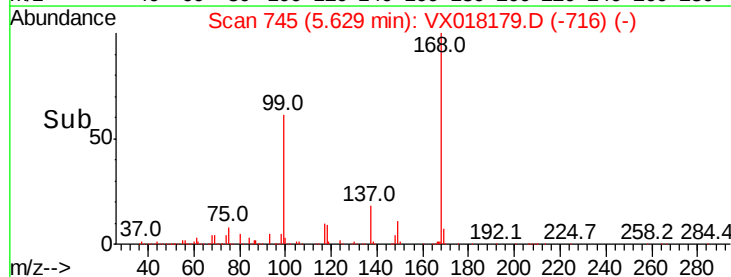
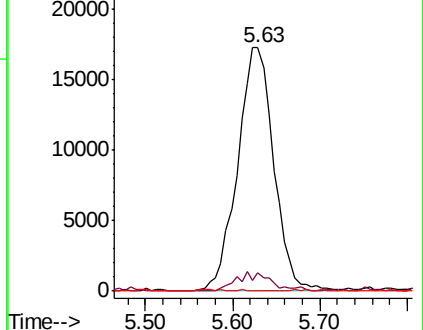
121 0.0 23.4 35.0#

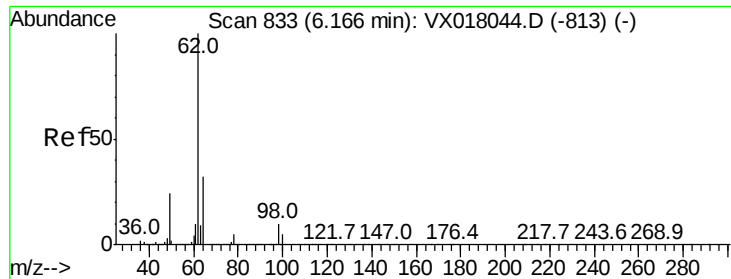


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 0.201 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

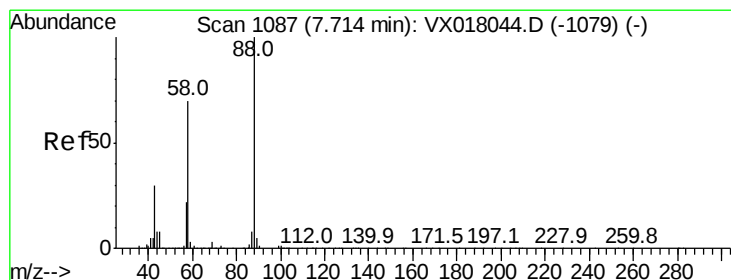
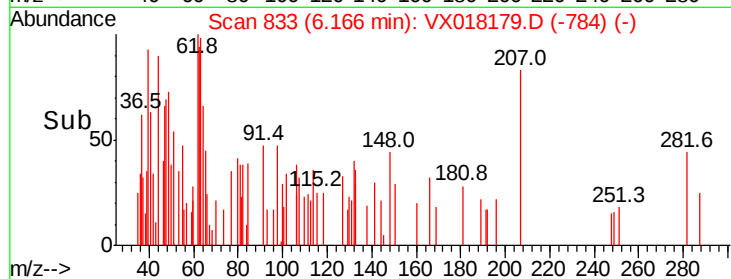
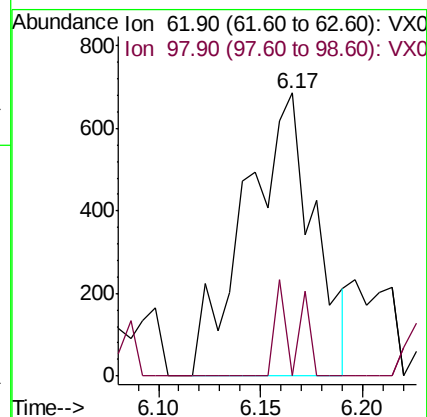
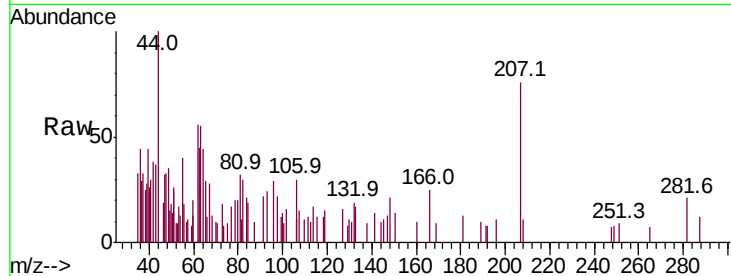
VX0901WBL01

Tot Ion: 62 Resp: 1595

Ion Ratio Lower Upper

62 100

98 10.1 0.0 18.2



#49

1,4-Dioxane

Concen: 0.790 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

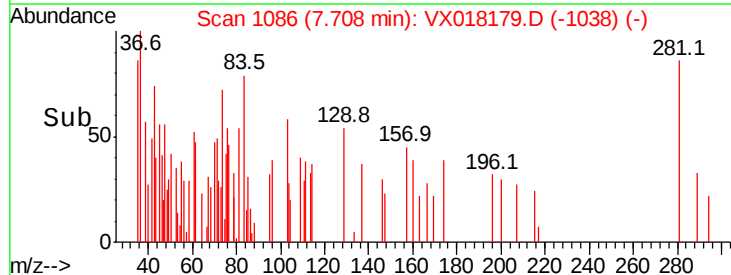
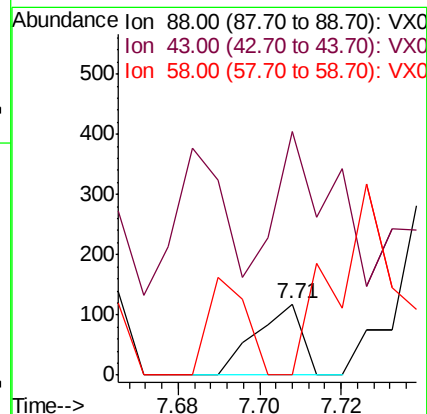
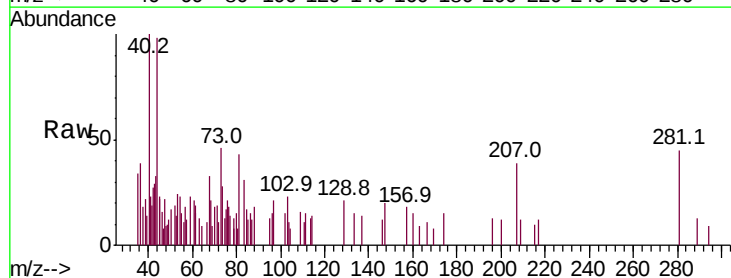
Tgt Ion: 88 Resp: 94

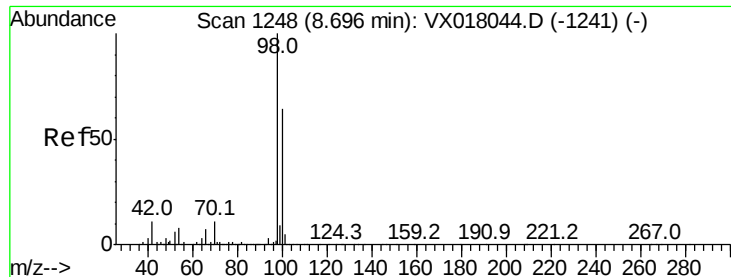
Ion Ratio Lower Upper

88 100

43 252.1 27.4 41.0#

58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 47.400 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

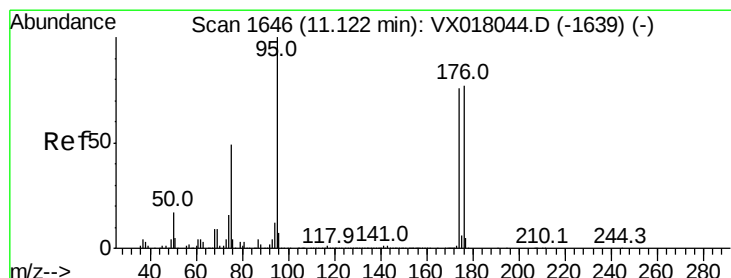
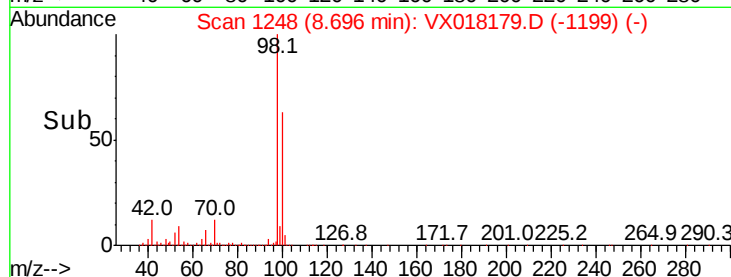
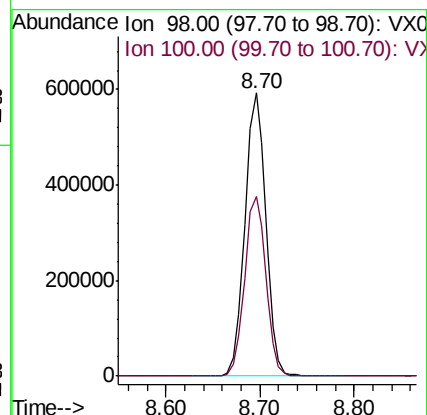
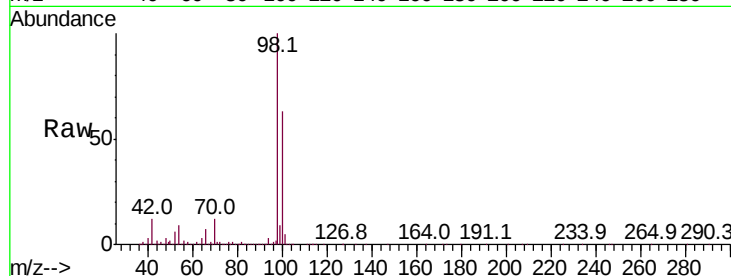
VX0901WBL01

Tot Ion: 98 Resp: 916797

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 43.253 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

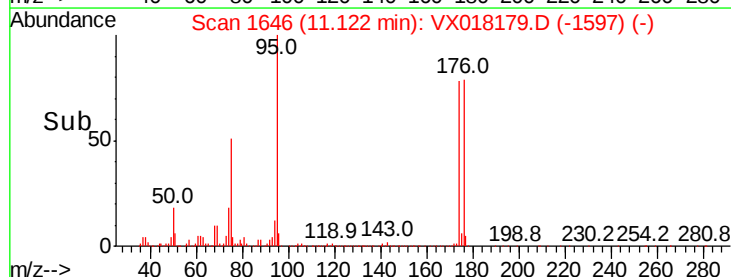
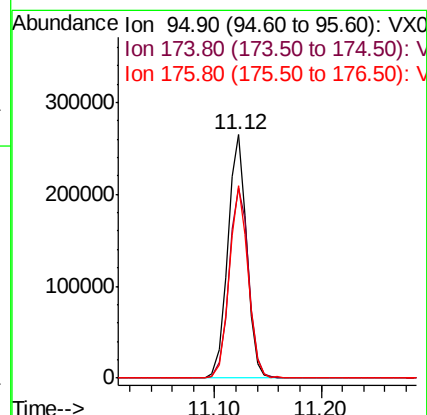
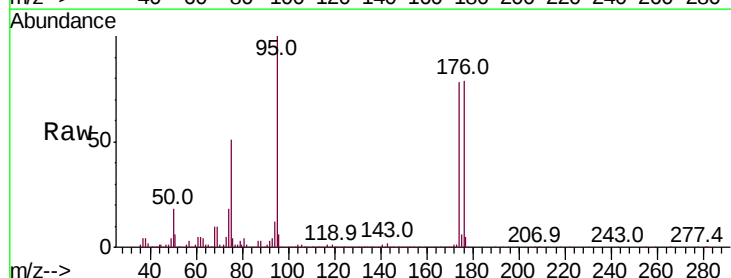
Tgt Ion: 95 Resp: 329149

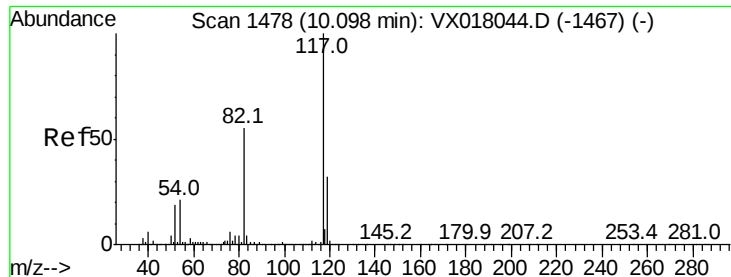
Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.2

176 78.3 0.0 155.8

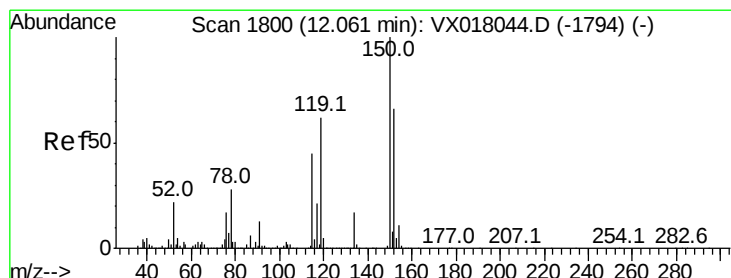
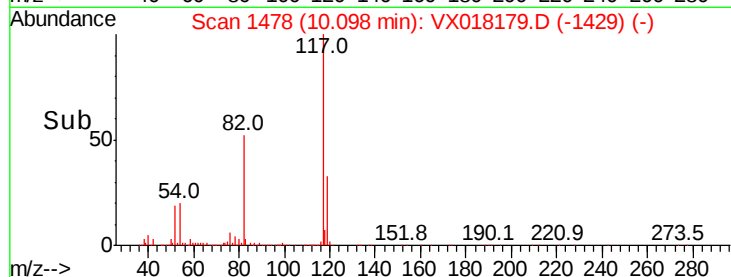
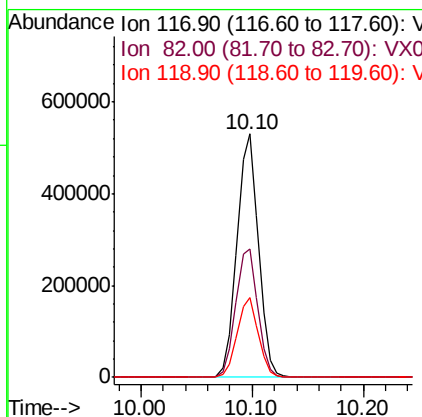
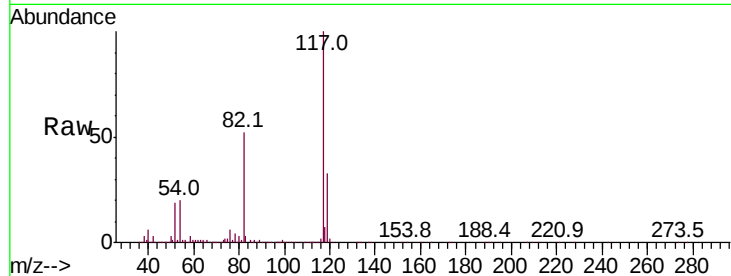




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018179.D
Acq: 01 Sep 2020 10:05

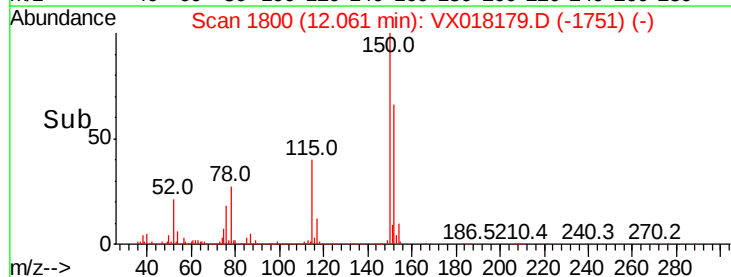
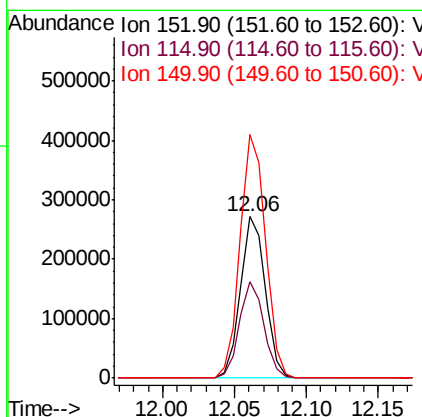
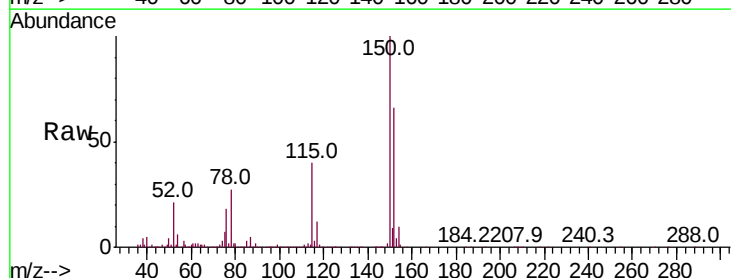
Instrument :
MSVOA_X
ClientSampleId :
VX0901WBL01

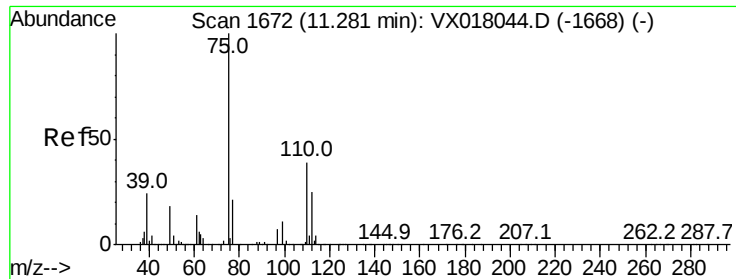
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	44.2	66.2
119	32.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018179.D
Acq: 01 Sep 2020 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.5	124.5
150	154.3	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.227 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

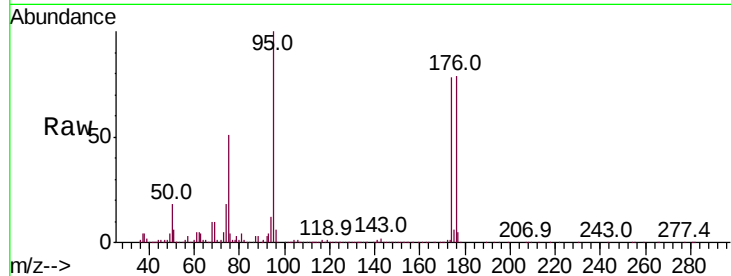
VX0901WBL01

Tot Ion: 75 Resp: 168851

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

11.12

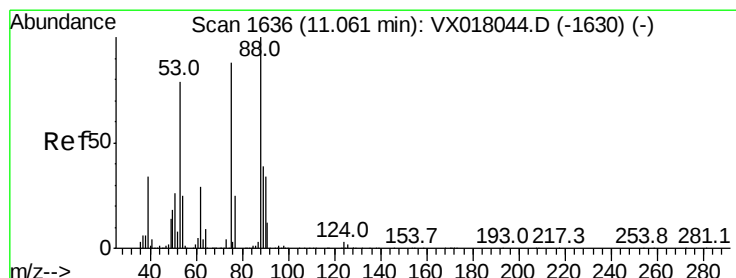
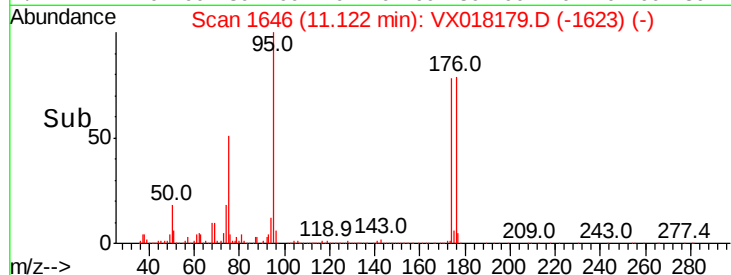
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.733 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

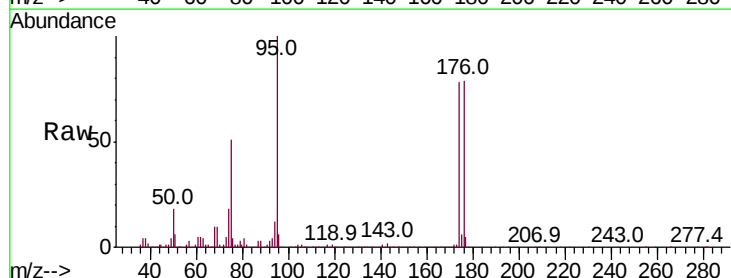
Tgt Ion: 75 Resp: 168851

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.0 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

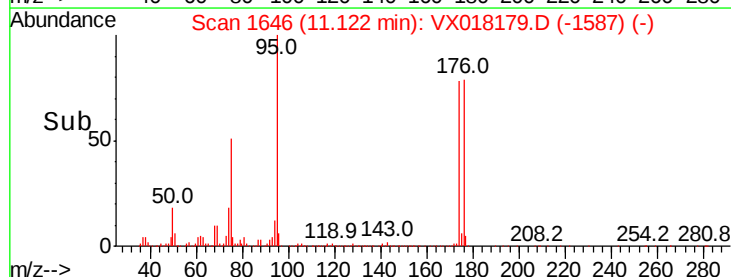
150000

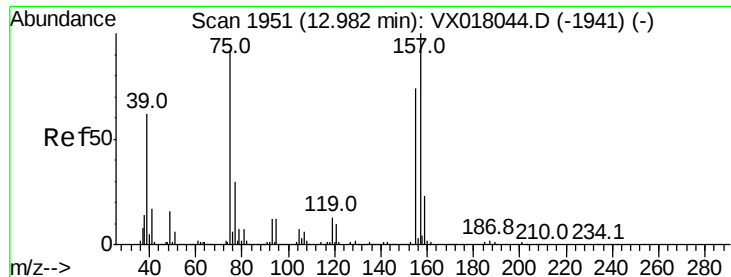
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.308 ug/l

RT: 12.99 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Instrument :

MSVOA_X

ClientSampleId :

VX0901WBL01

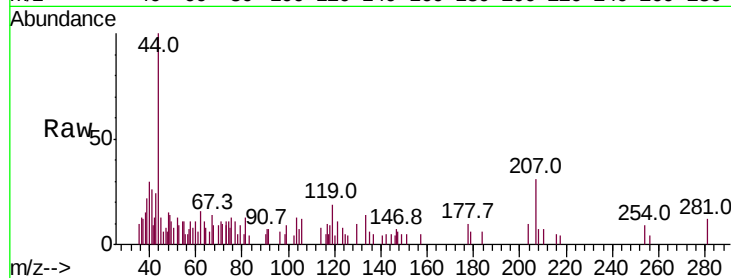
Tot Ion: 75 Resp: 585

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 7.7 55.0 165.2#

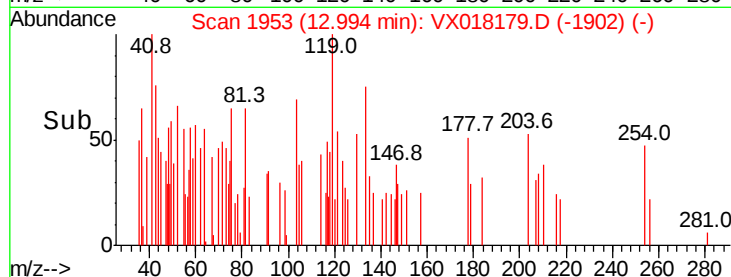


Abundance Ion 74.90 (74.60 to 75.60): VX018044.D (-1941) (-)

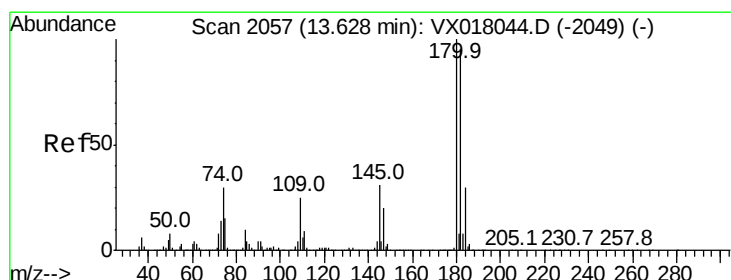
Ion 154.80 (154.50 to 155.50): VX018044.D (-1941) (-)

Ion 156.80 (156.50 to 157.50): VX018044.D (-1941) (-)

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.275 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

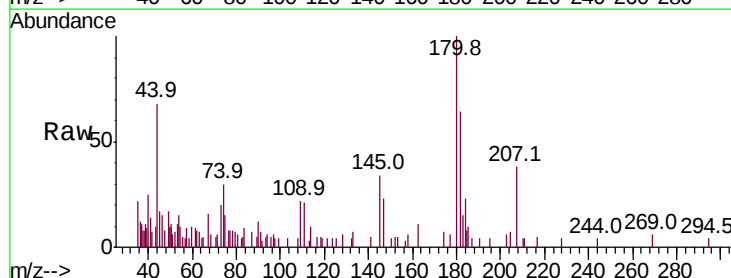
Tgt Ion: 180 Resp: 1806

Ion Ratio Lower Upper

180 100

182 92.5 47.5 142.6

145 29.0 15.7 47.1

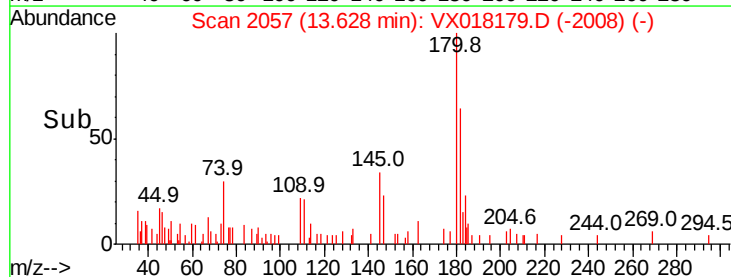


Abundance Ion 179.80 (179.50 to 180.50): VX018044.D (-2049) (-)

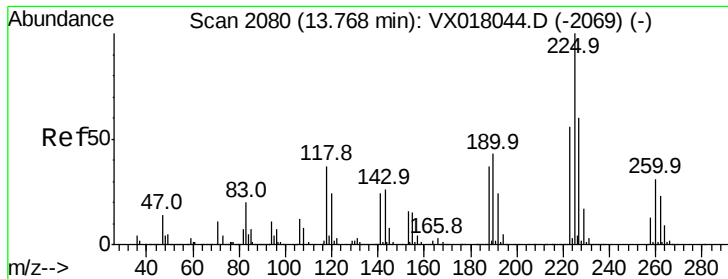
Ion 181.80 (181.50 to 182.50): VX018044.D (-2049) (-)

Ion 144.80 (144.50 to 145.50): VX018044.D (-2049) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 0.403 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

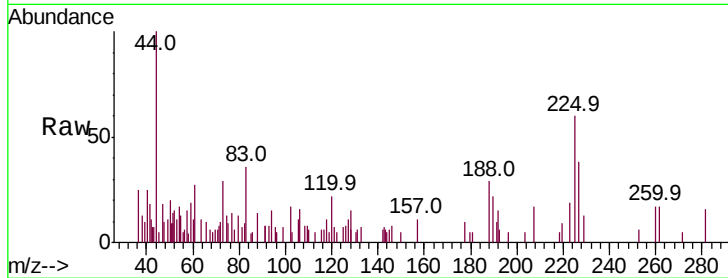
Instrument :

MSVOA_X

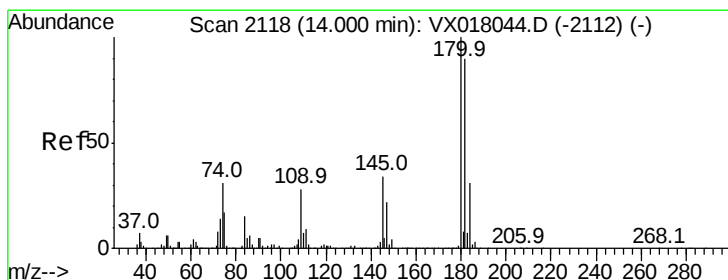
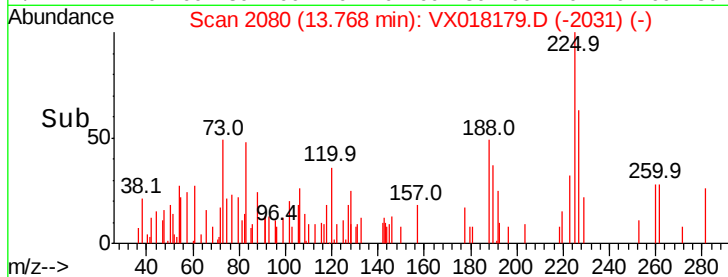
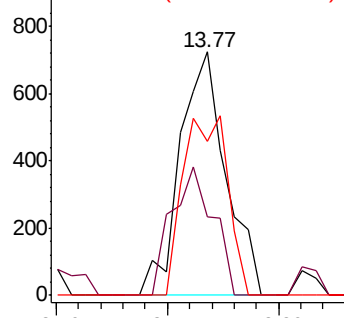
ClientSampled :

VX0901WBL01

Tot Ion:	225	Resp:	1044
Ion	Ratio	Lower	Upper
225	100		
223	47.3	30.7	92.1
227	71.5	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: 0.220 ug/l

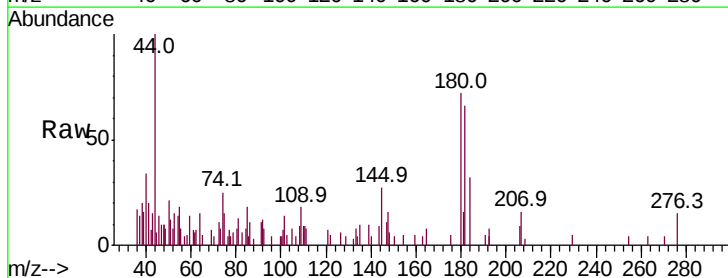
RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX018179.D

Acq: 01 Sep 2020 10:05

Tgt Ion:	180	Resp:	1429
Ion	Ratio	Lower	Upper
180	100		
182	113.6	47.3	142.0
145	48.1	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

