

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091020\
 Data File : VX018335.D
 Acq On : 10 Sep 2020 11:42
 Operator : JC/SP
 Sample : VX0910WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBL01

Quant Time: Sep 11 06:51:14 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	423487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	689233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	646485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	298627	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	314359	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
35) Dibromofluoromethane	5.46	113	248909	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	8.70	98	835303	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.12	95	297415	43.24	ug/l	0.00
Spiked Amount			Recovery	=	86.48%	

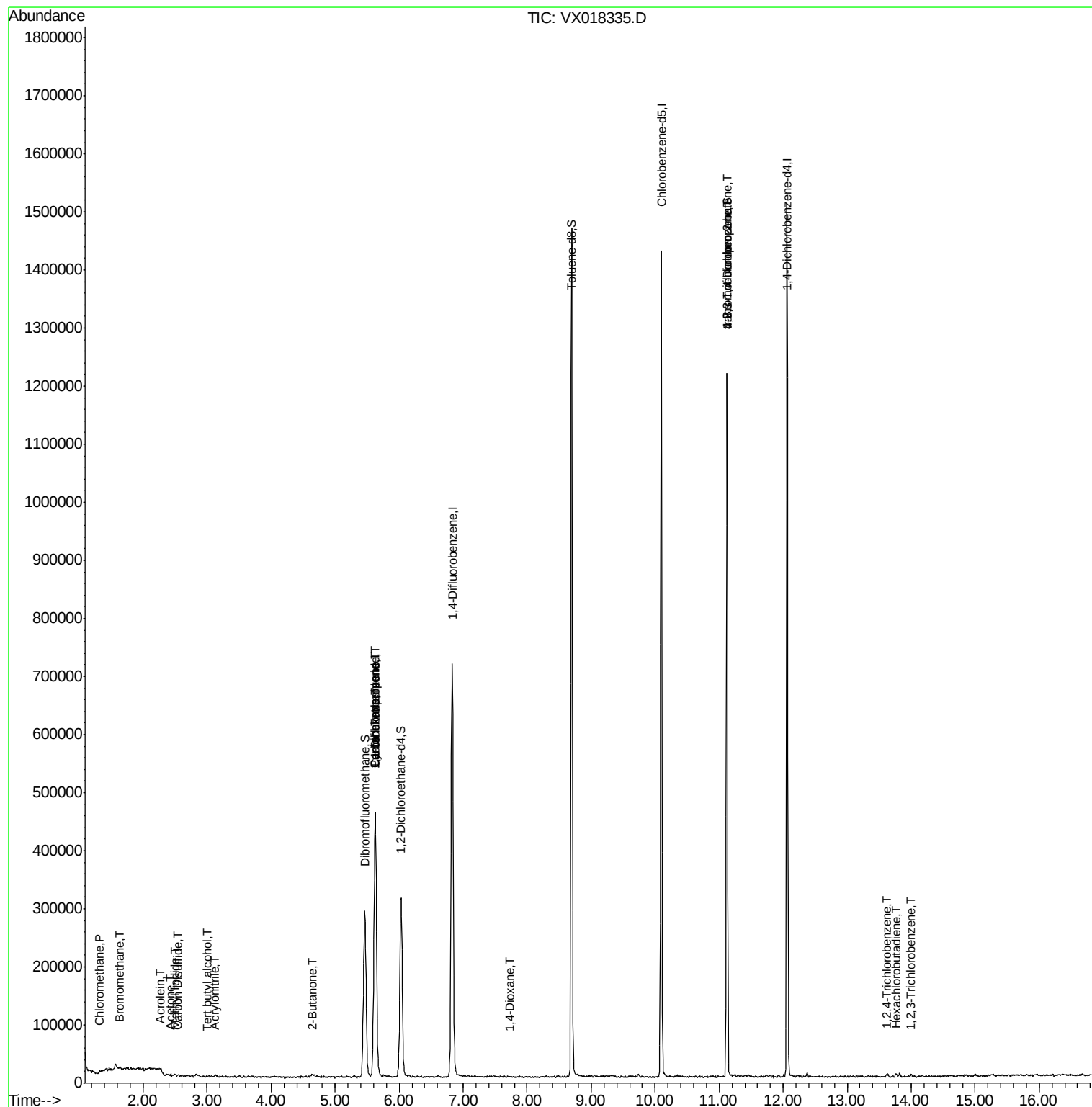
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1706	0.314	ug/l #	65
5) Bromomethane	1.64	94	2452	0.939	ug/l	95
10) Methyl Iodide	2.50	142	3720	6.066	ug/l	92
11) Tert butyl alcohol	3.00	59	359	0.314	ug/l #	1
13) Acrolein	2.27	56	627	1.323	ug/l #	56
15) Acrylonitrile	3.12	53	1381	0.533	ug/l #	52
16) Acetone	2.43	43	2724	1.189	ug/l #	73
17) Carbon Disulfide	2.55	76	2813	0.225	ug/l #	88
20) Methylene Chloride	2.84	84	1834	Below Cal	#	72
25) 2-Butanone	4.65	43	1172	0.311	ug/l #	51
31) Cyclohexane	5.63	56	11231	1.596	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	33470	5.265	ug/l #	42
38) Carbon Tetrachloride	5.62	117	44844	6.259	ug/l #	18
49) 1,4-Dioxane	7.72	88	462	4.296	ug/l #	75
76) 1,2,3-Trichloropropane	11.12	75	154861	23.312	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	154861	62.961	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1275	0.212	ug/l #	84
94) Hexachlorobutadiene	13.77	225	986	0.417	ug/l	84
96) 1,2,3-Trichlorobenzene	14.01	180	1753	0.296	ug/l	74

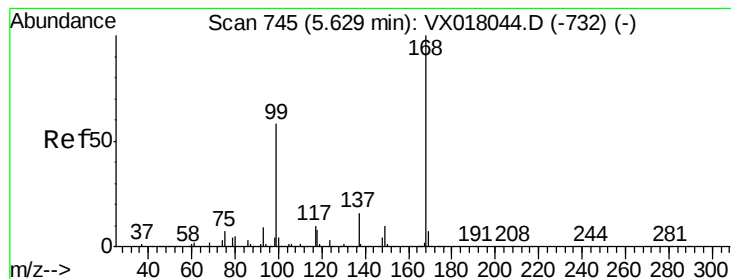
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091020\
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0910WBL01

Quant Time: Sep 11 06:51:14 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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

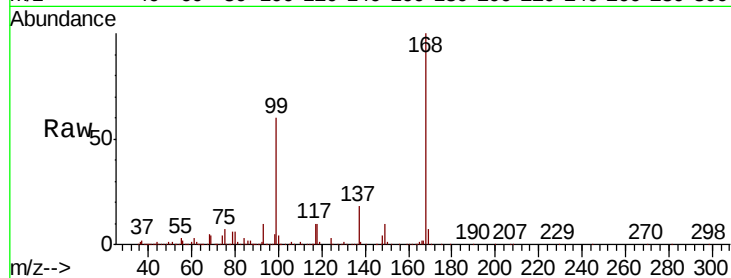
VX0910WBL01

Tot Ion:168 Resp: 423487

Ion Ratio Lower Upper

168 100

99 59.5 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

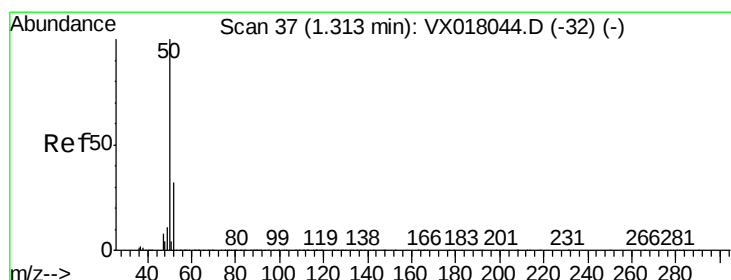
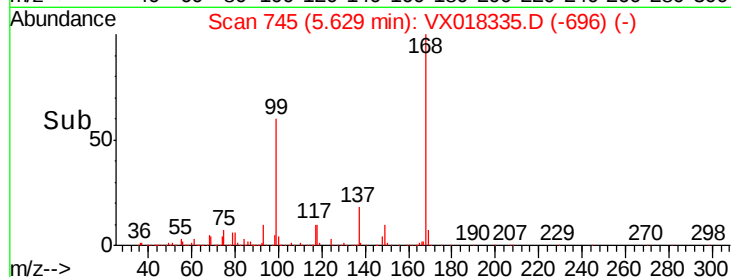
100000

50000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.314 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018335.D

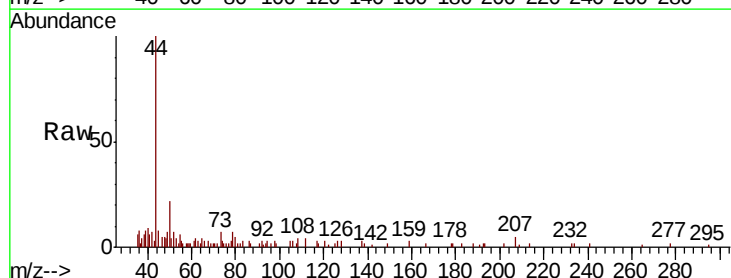
Acq: 10 Sep 2020 11:42

Tgt Ion: 50 Resp: 1706

Ion Ratio Lower Upper

50 100

52 12.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

600

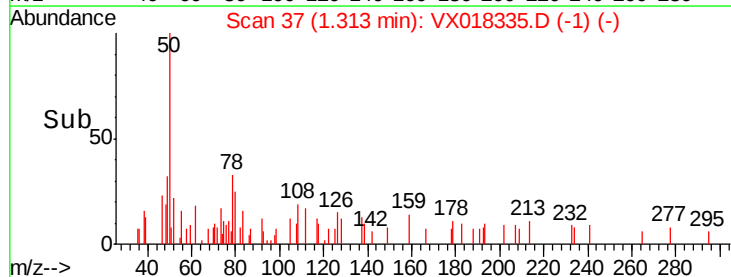
400

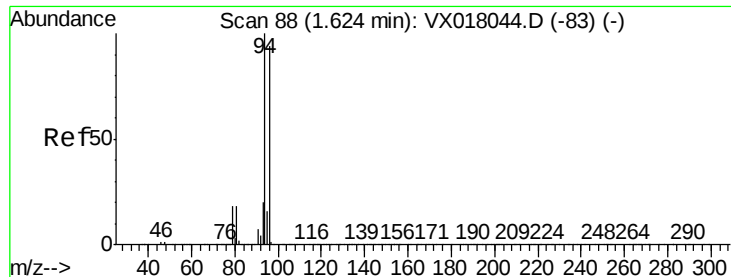
200

0

1.25 1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.939 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

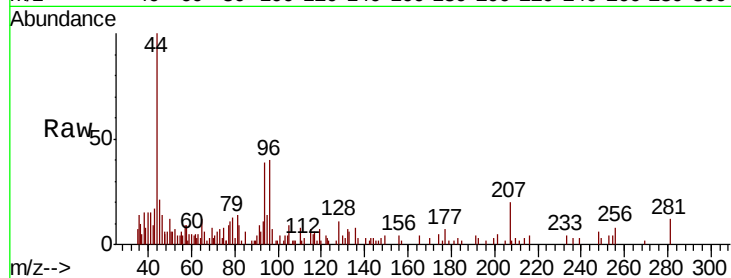
VX0910WBL01

Tot Ion: 94 Resp: 2452

Ion Ratio Lower Upper

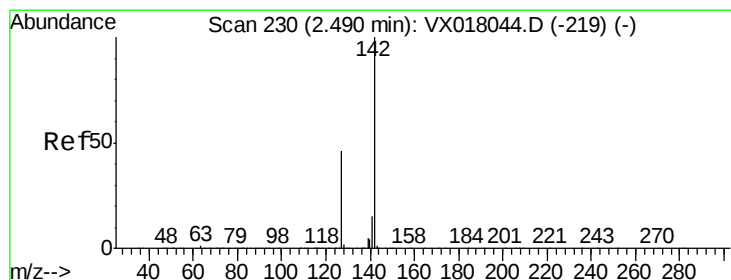
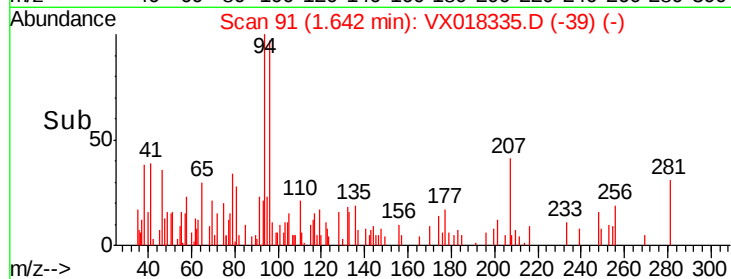
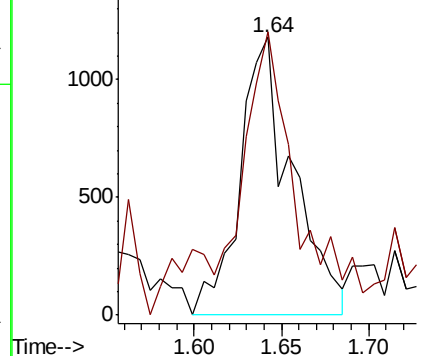
94 100

96 89.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 6.066 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

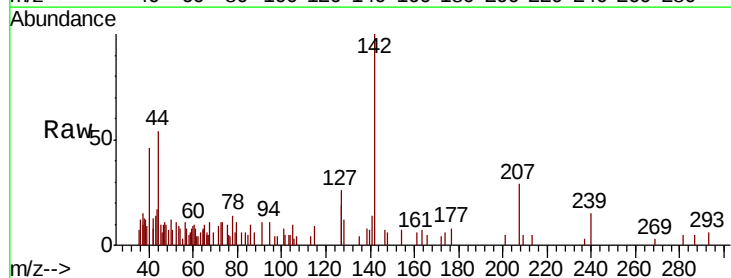
Tgt Ion: 142 Resp: 3720

Ion Ratio Lower Upper

142 100

127 53.4 37.0 55.6

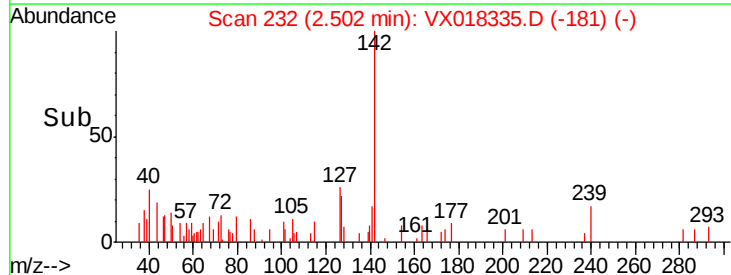
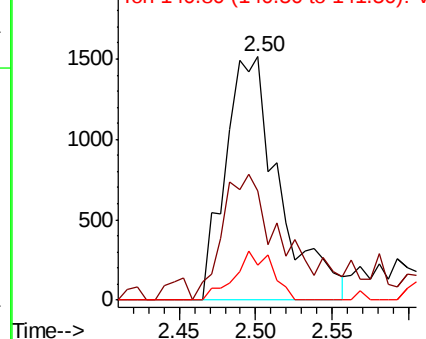
141 14.2 11.5 17.3

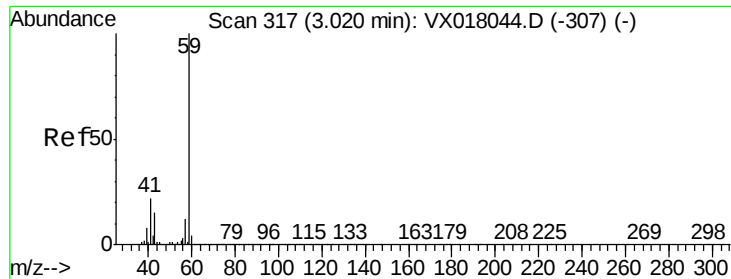


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

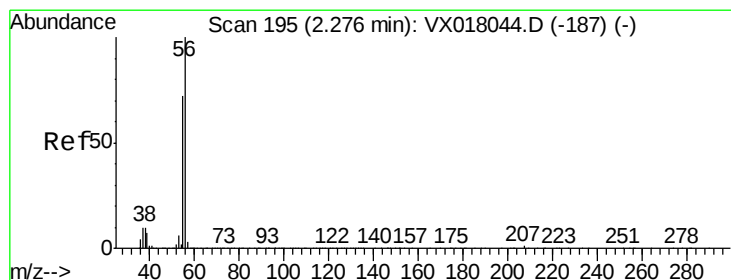
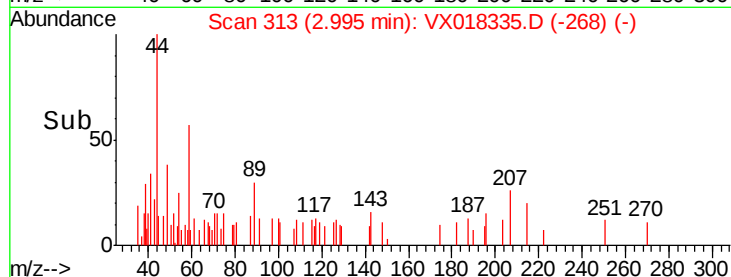
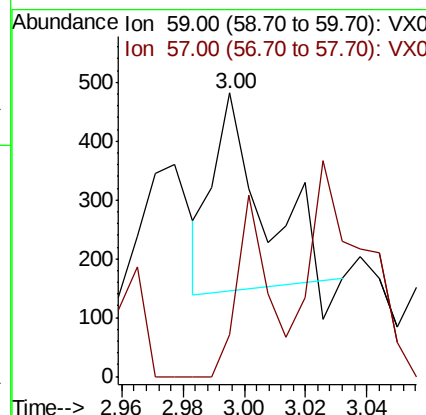
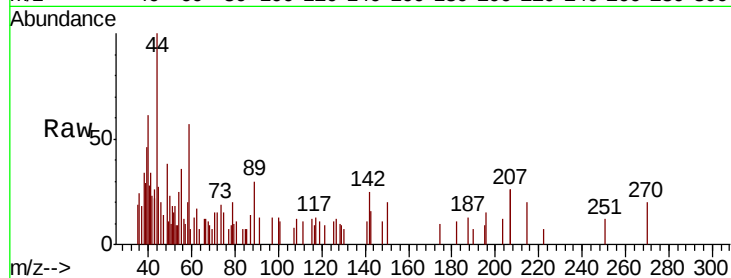




#11
Tert butyl alcohol
Concen: 0.314 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018335.D
Acq: 10 Sep 2020 11:42

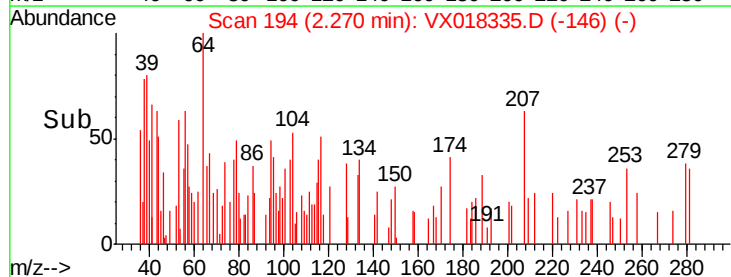
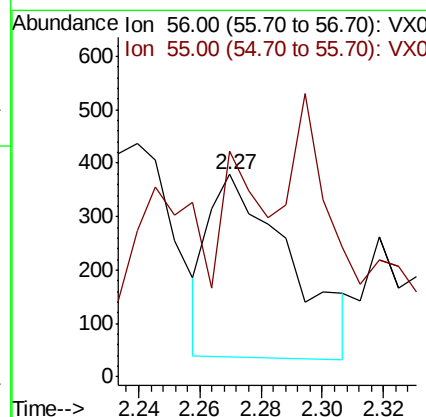
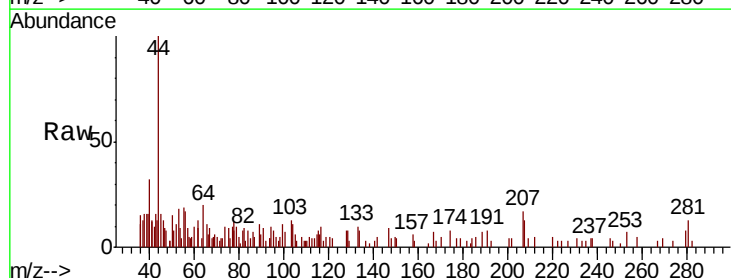
Instrument :
MSVOA_X
ClientSampled :
VX0910WBL01

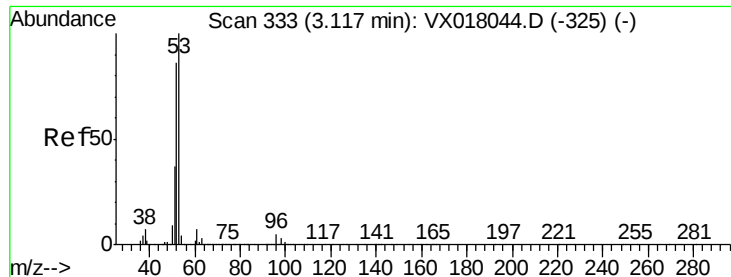
Tot Ion: 59 Resp: 359
Ion Ratio Lower Upper
59 100
57 59.9 8.9 13.3#



#13
Acrolein
Concen: 1.323 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018335.D
Acq: 10 Sep 2020 11:42

Tgt Ion: 56 Resp: 627
Ion Ratio Lower Upper
56 100
55 35.1 57.0 85.6#





#15

Acrylonitrile

Concen: 0.533 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBL01

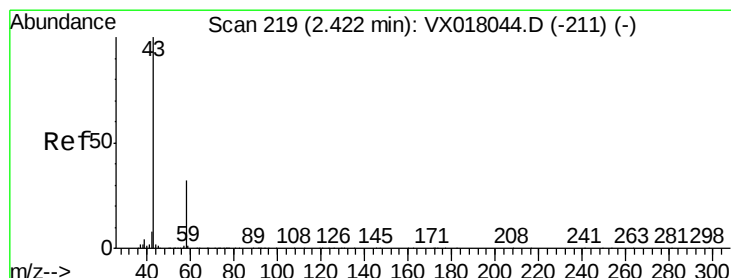
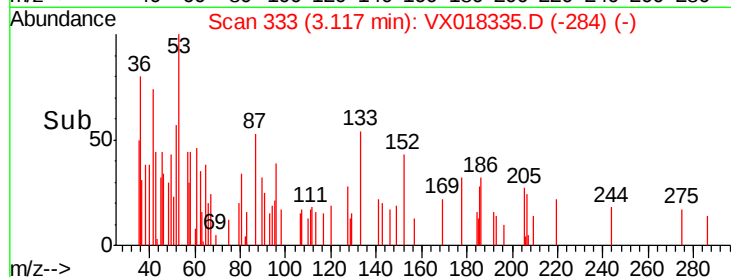
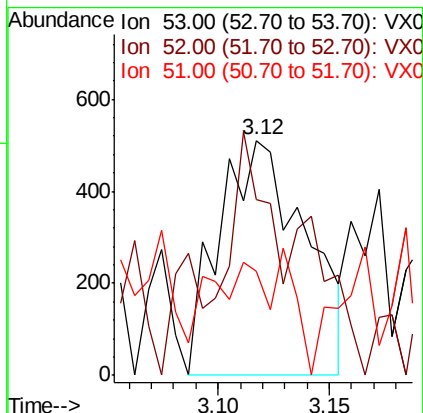
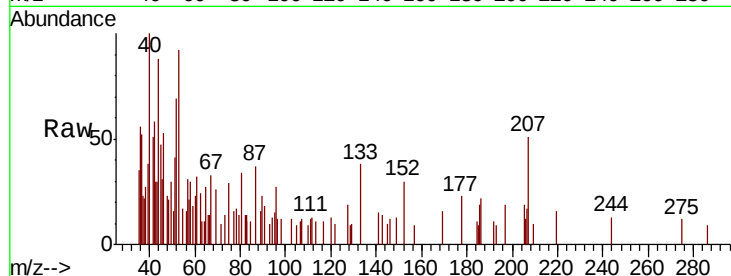
Tot Ion: 53 Resp: 1381

Ion Ratio Lower Upper

53 100

52 27.1 66.9 100.3#

51 43.6 28.7 43.1#



#16

Acetone

Concen: 1.189 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018335.D

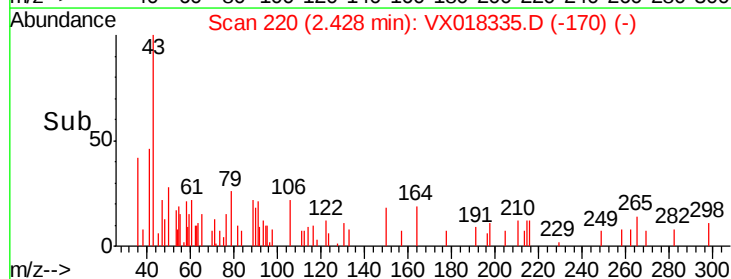
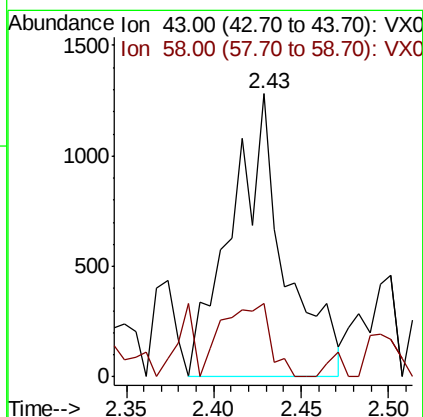
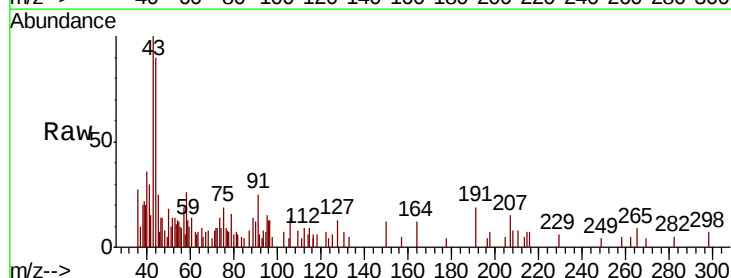
Acq: 10 Sep 2020 11:42

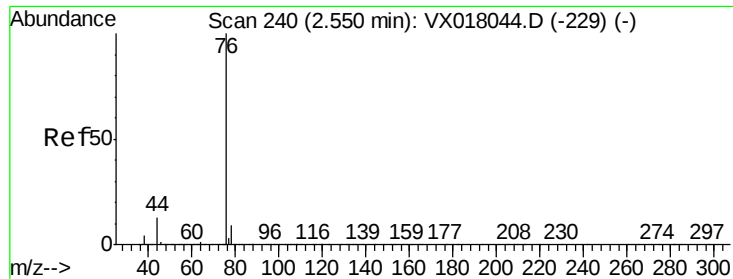
Tgt Ion: 43 Resp: 2724

Ion Ratio Lower Upper

43 100

58 17.1 25.5 38.3#

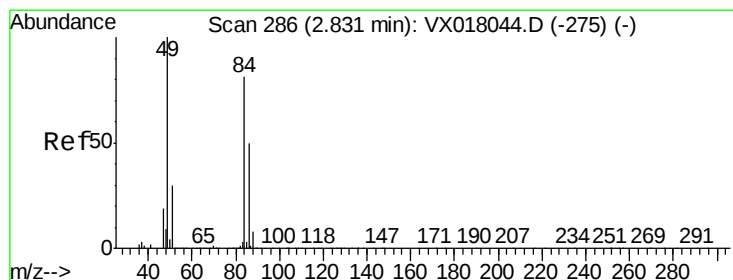
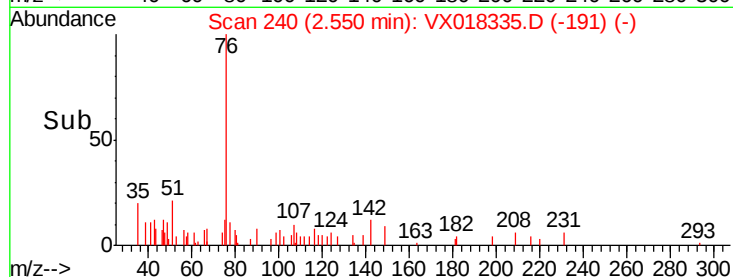
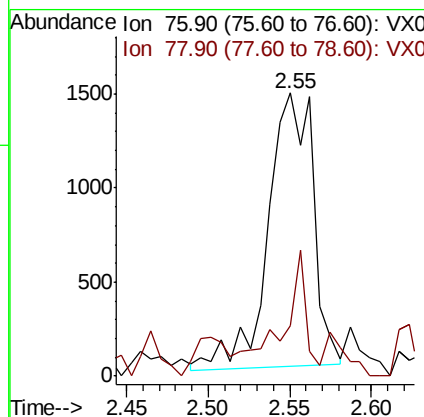
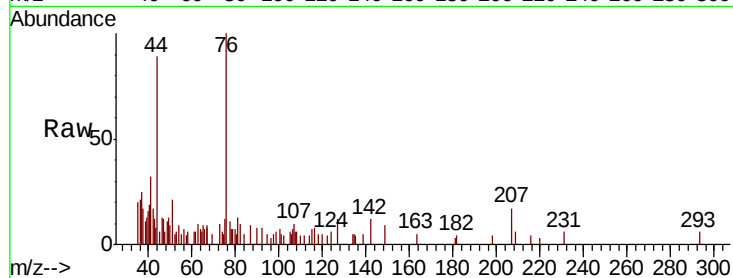




#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018335.D
Acq: 10 Sep 2020 11:42

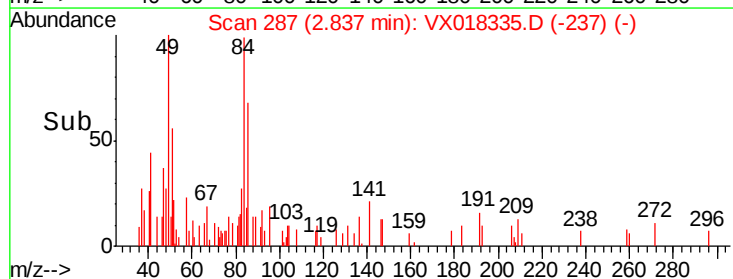
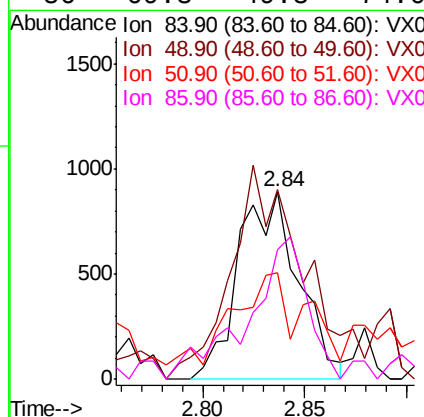
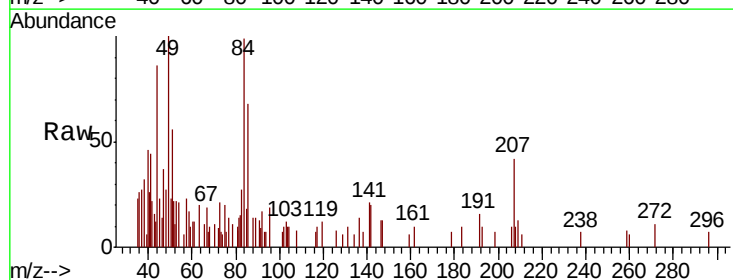
Instrument :
MSVOA_X
ClientSampleId :
VX0910WBL01

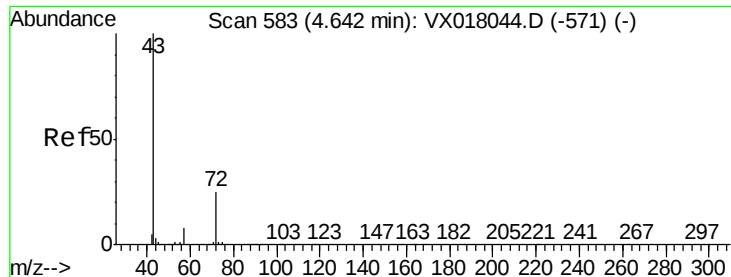
Tot Ion: 76 Resp: 2813
Ion Ratio Lower Upper
76 100
78 13.5 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018335.D
Acq: 10 Sep 2020 11:42

Tgt Ion: 84 Resp: 1834
Ion Ratio Lower Upper
84 100
49 89.6 98.6 148.0#
51 69.2 29.6 44.4#
86 69.3 49.8 74.6





#25

2-Butanone

Concen: 0.311 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

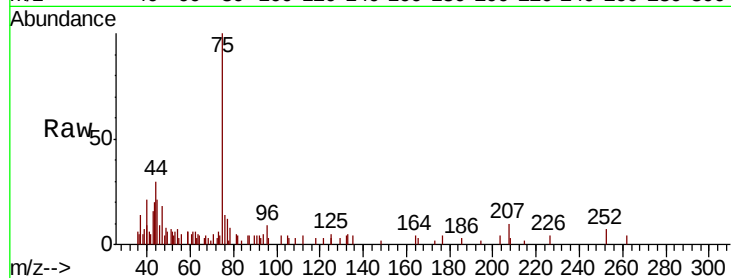
VX0910WBL01

Tot Ion: 43 Resp: 1172

Ion Ratio Lower Upper

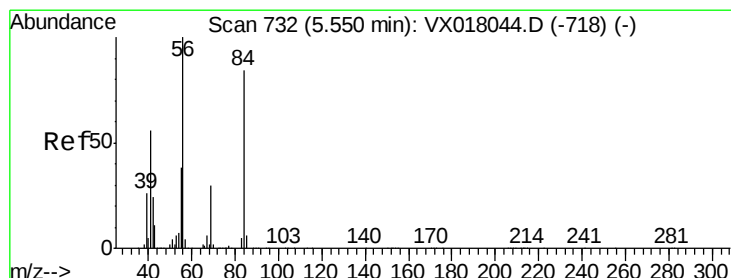
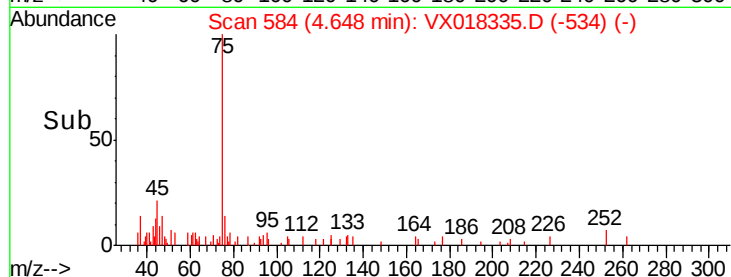
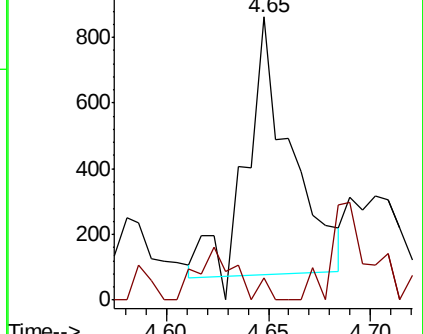
43 100

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



#31

Cyclohexane

Concen: 1.596 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

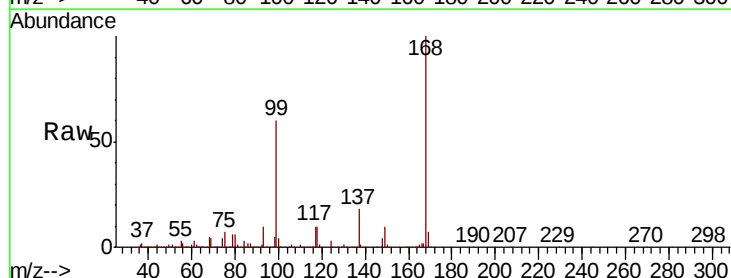
Tgt Ion: 56 Resp: 11231

Ion Ratio Lower Upper

56 100

69 163.6 23.9 35.9#

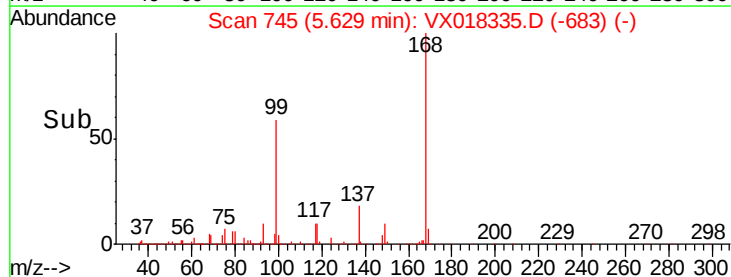
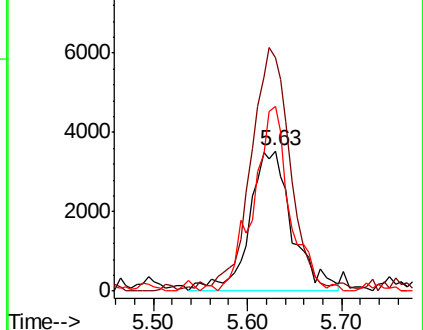
84 128.0 67.0 100.4#

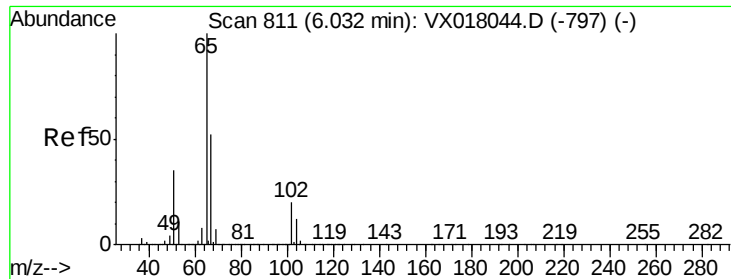


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

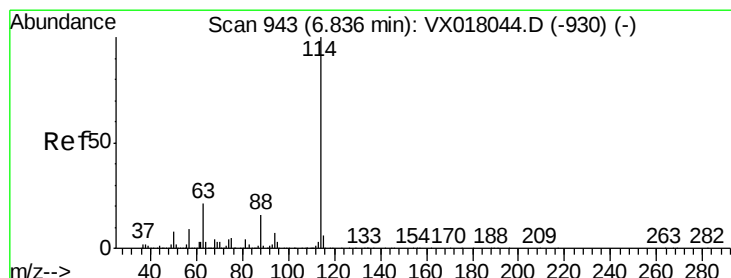
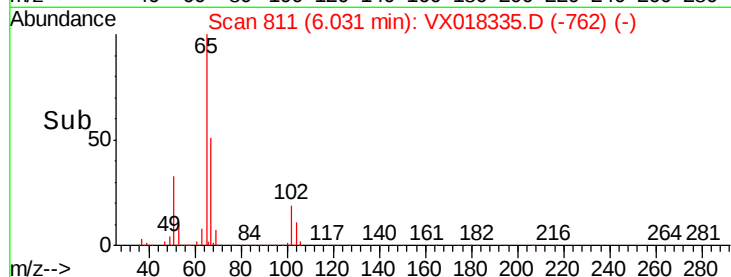
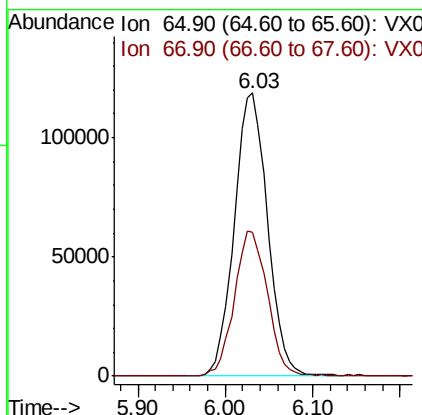
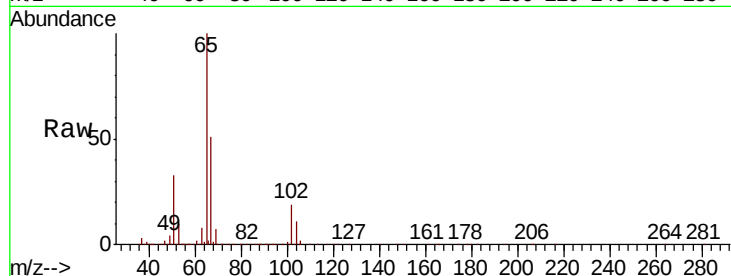




#33
 1,2-Dichloroethane-d4
 Concen: 53.471 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018335.D
 Acq: 10 Sep 2020 11:42

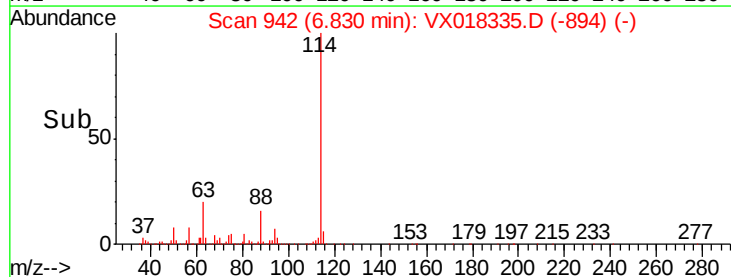
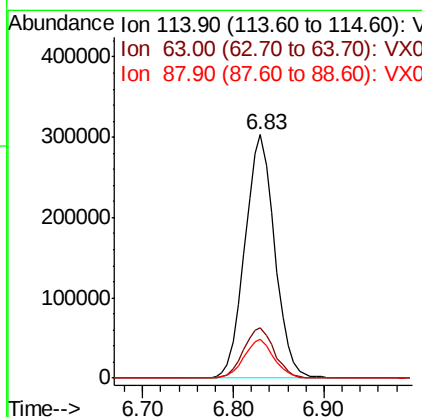
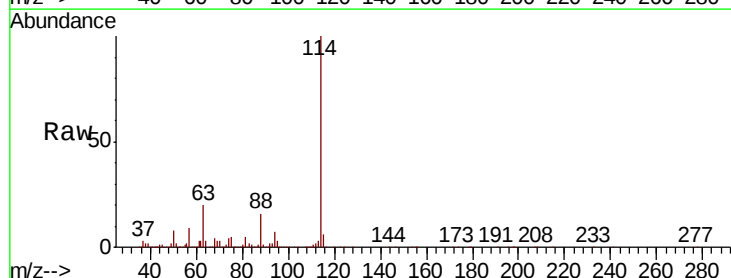
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBL01

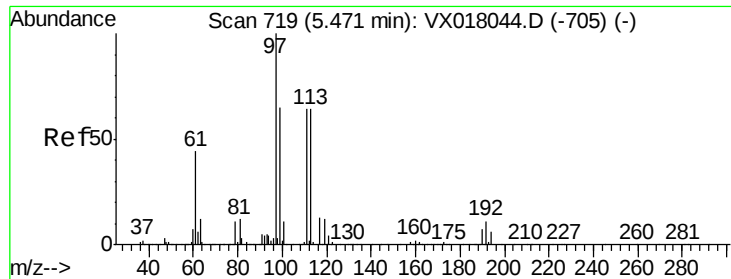
Tot Ion: 65 Resp: 314359
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018335.D
 Acq: 10 Sep 2020 11:42

Tgt Ion: 114 Resp: 689233
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.6
 88 15.7 0.0 31.8

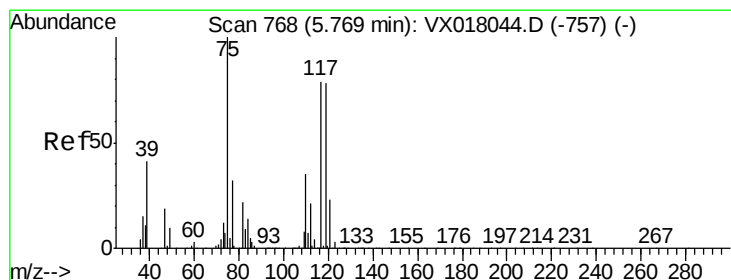
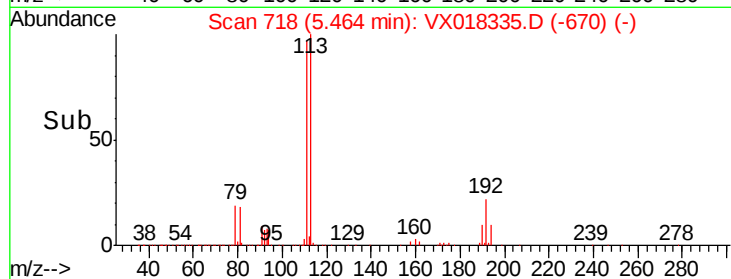
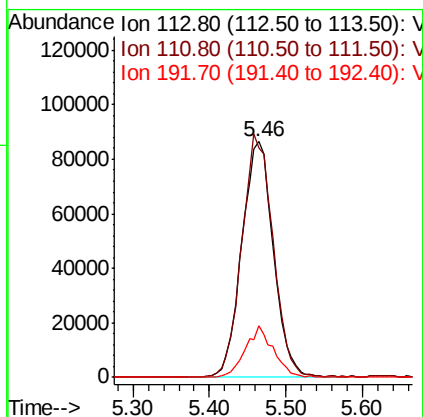
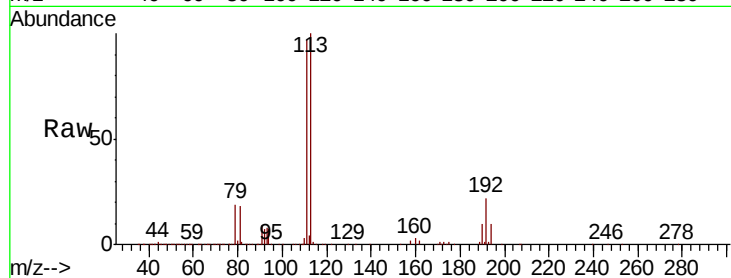




#35
 Dibromofluoromethane
 Concen: 53.027 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018335.D
 Acq: 10 Sep 2020 11:42

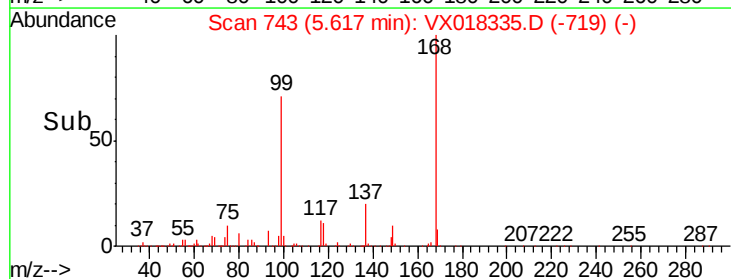
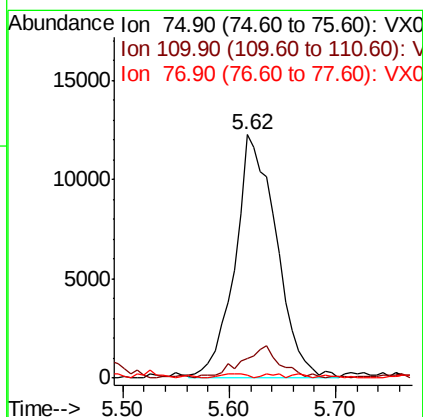
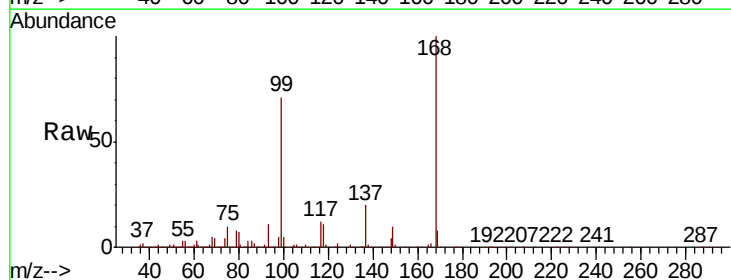
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBL01

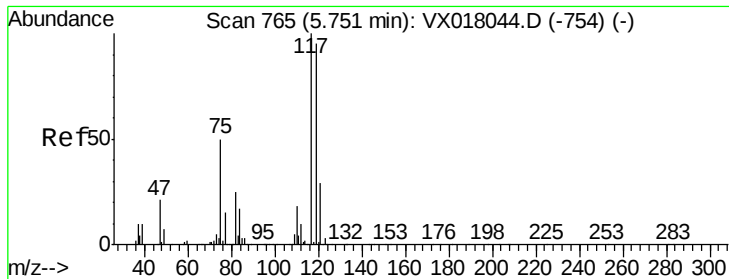
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.6	122.4
192	19.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.265 ug/l
 RT: 5.62 min Scan# 743
 Delta R.T. -0.15 min
 Lab File: VX018335.D
 Acq: 10 Sep 2020 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.0	54.0#
77	1.2	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.259 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBL01

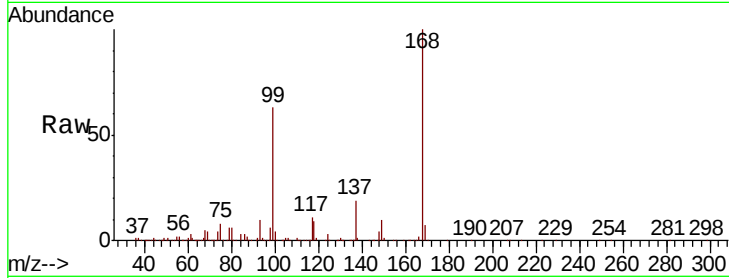
Tot Ion:117 Resp: 44844

Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.6#

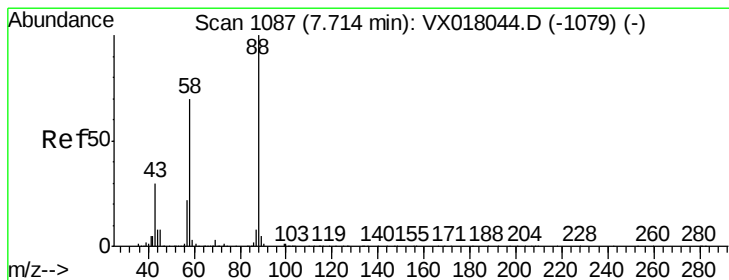
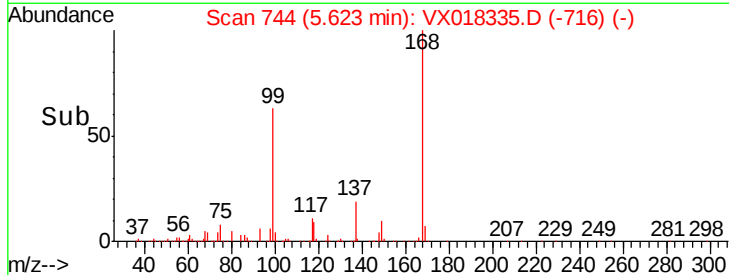
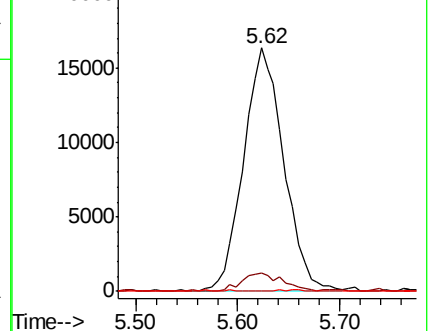
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 4.296 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

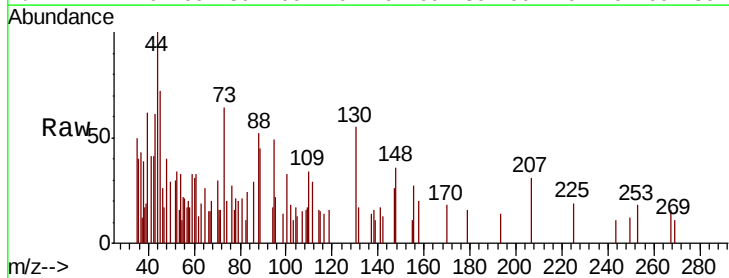
Tgt Ion: 88 Resp: 462

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

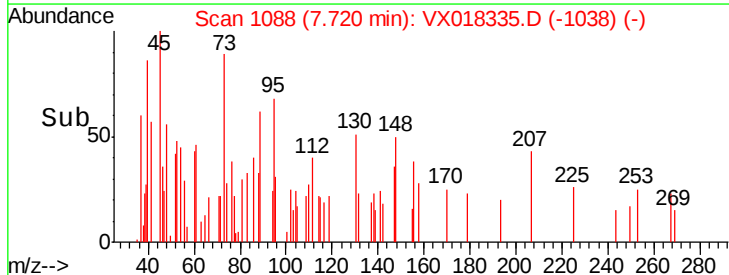
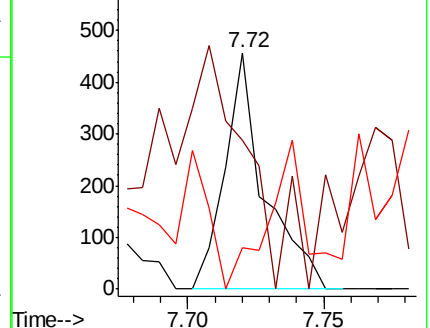
58 63.9 56.4 84.6

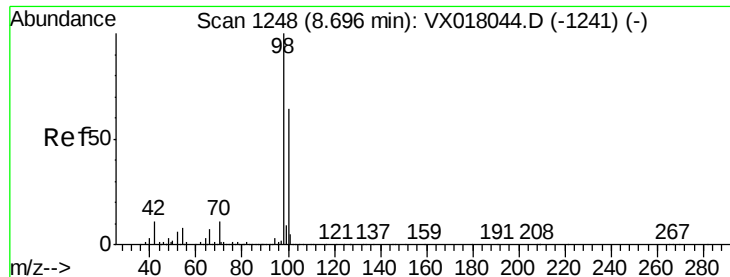


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.778 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

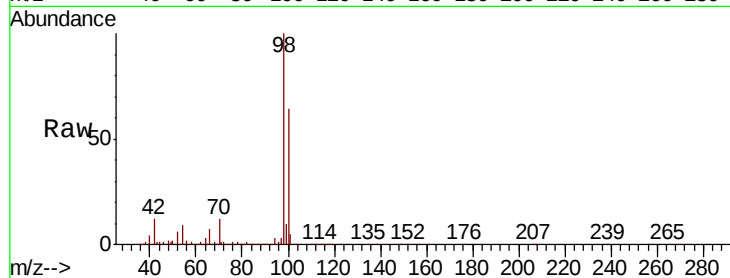
VX0910WBL01

Tot Ion: 98 Resp: 835303

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

600000

500000

400000

300000

200000

100000

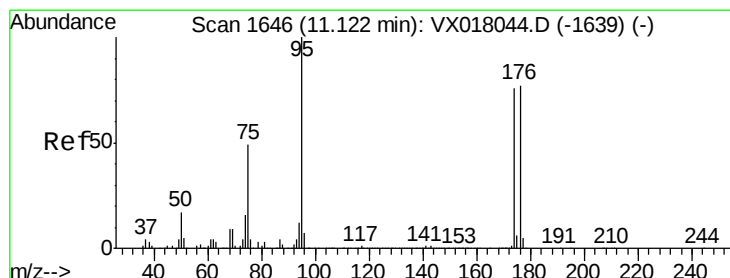
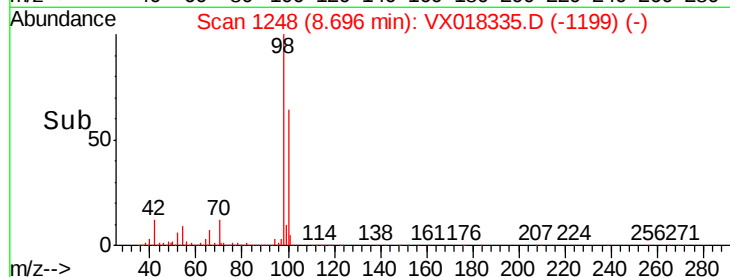
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 43.238 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

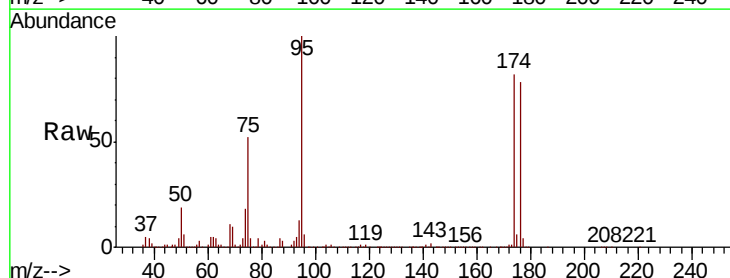
Tgt Ion: 95 Resp: 297415

Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.2

176 74.5 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

200000

100000

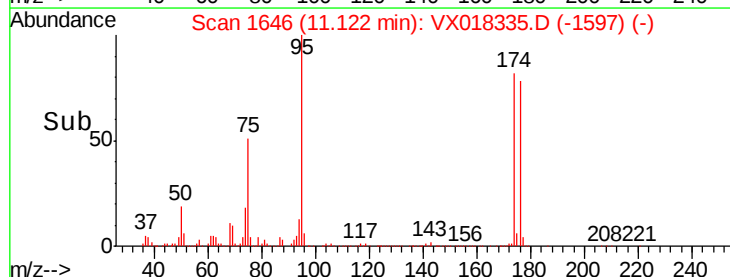
0

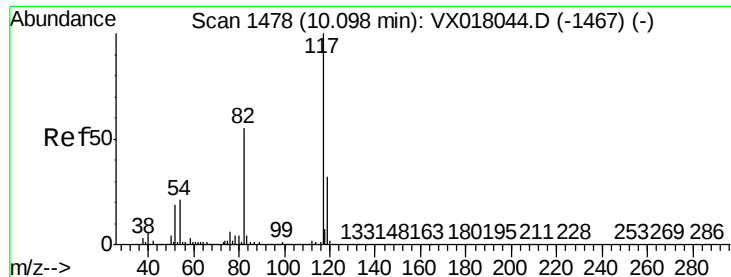
11.00

11.10

11.20

Time-->

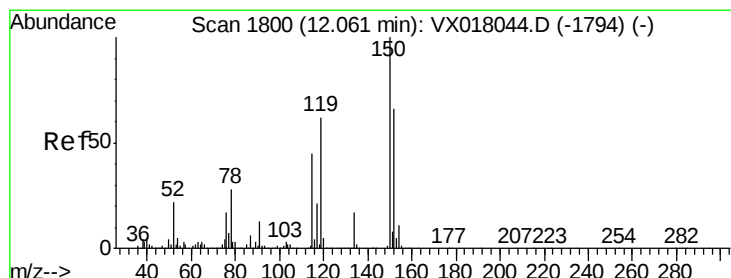
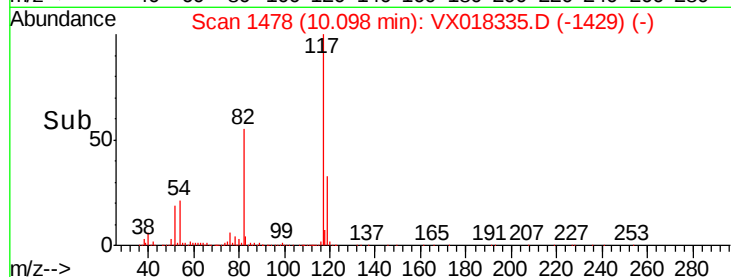
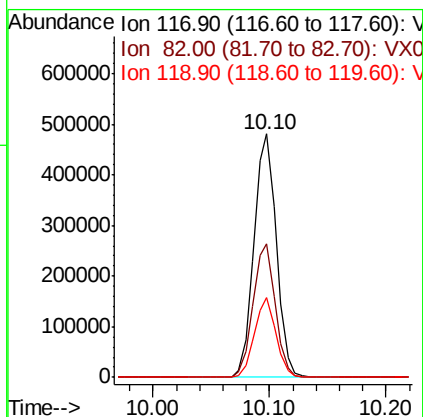
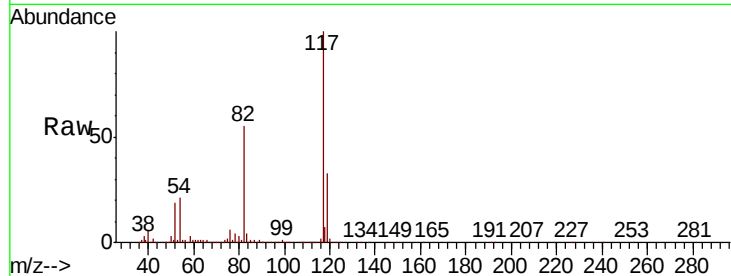




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018335.D
Acq: 10 Sep 2020 11:42

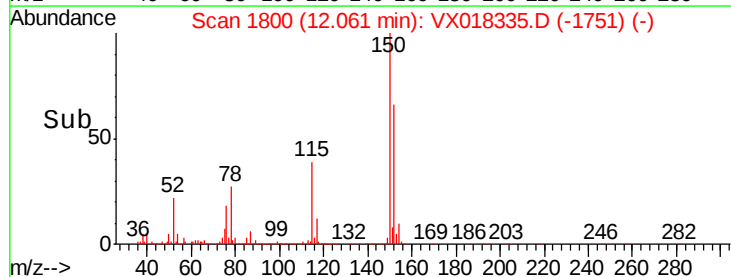
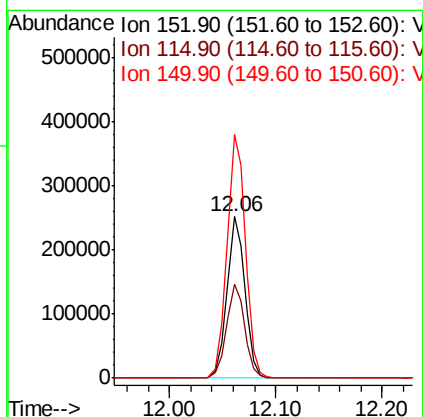
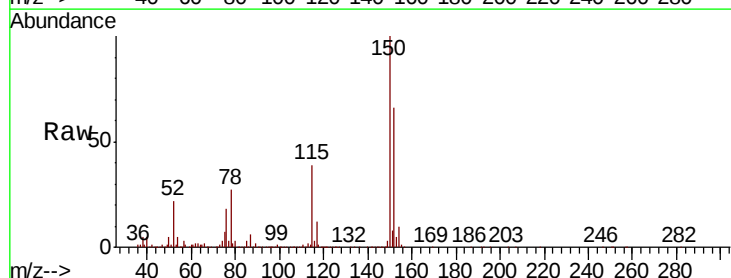
Instrument :
MSVOA_X
ClientSampleId :
VX0910WBL01

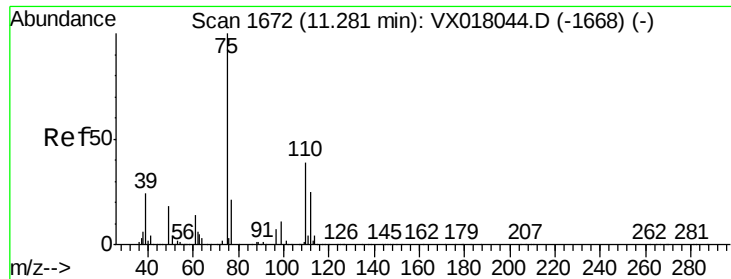
Tot Ion:117 Resp: 646485
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018335.D
Acq: 10 Sep 2020 11:42

Tgt Ion:152 Resp: 298627
Ion Ratio Lower Upper
152 100
115 58.9 41.5 124.5
150 154.4 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 23.312 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

Instrument :

MSVOA_X

ClientSampled :

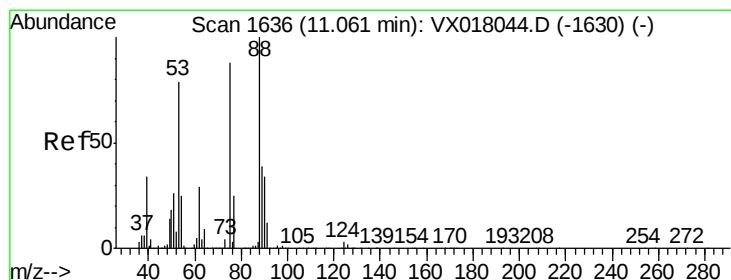
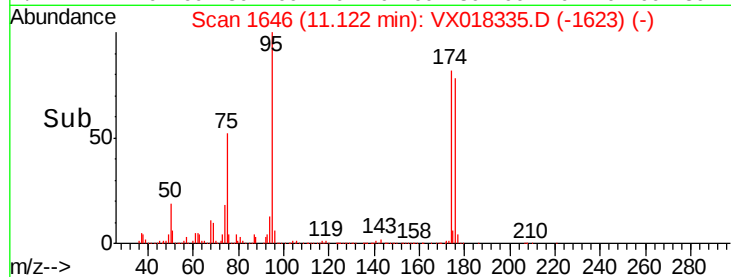
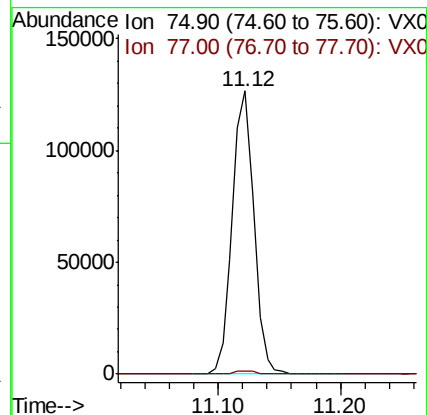
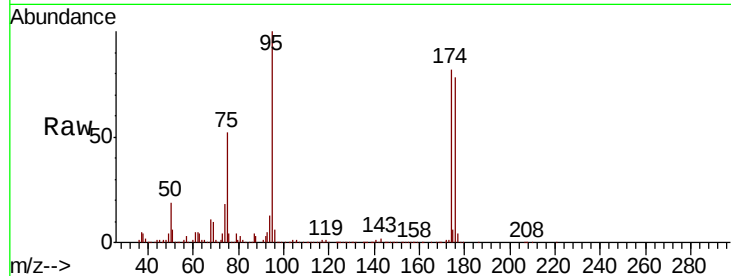
VX0910WBL01

Tot Ion: 75 Resp: 154861

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.961 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018335.D

Acq: 10 Sep 2020 11:42

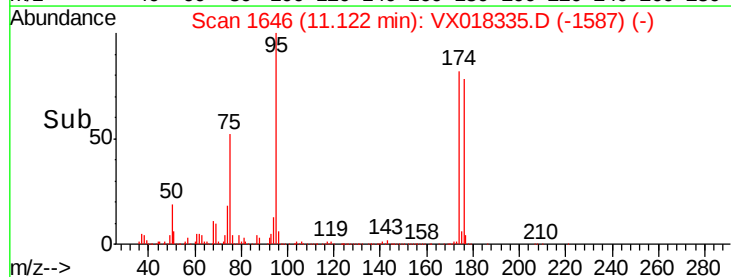
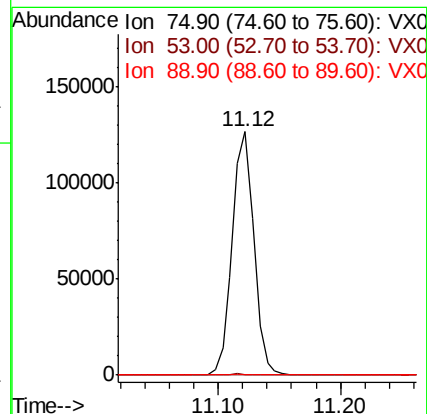
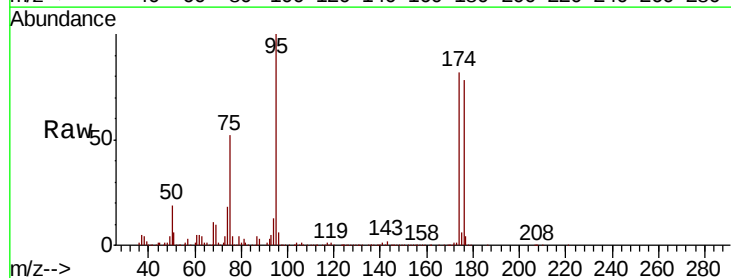
Tgt Ion: 75 Resp: 154861

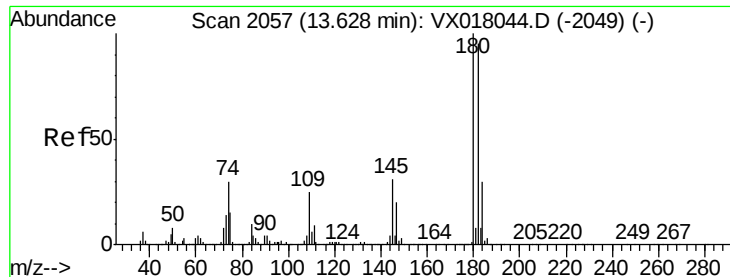
Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.1 36.6 54.8#

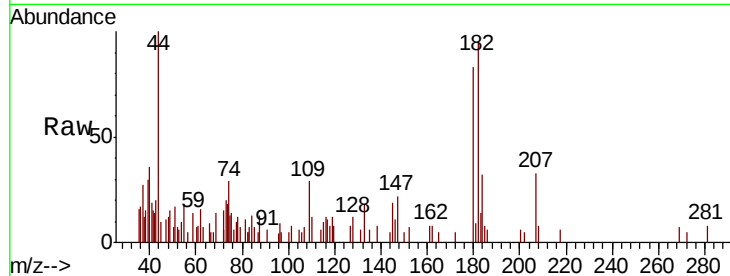




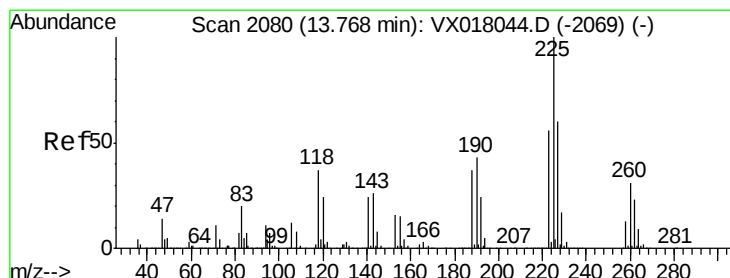
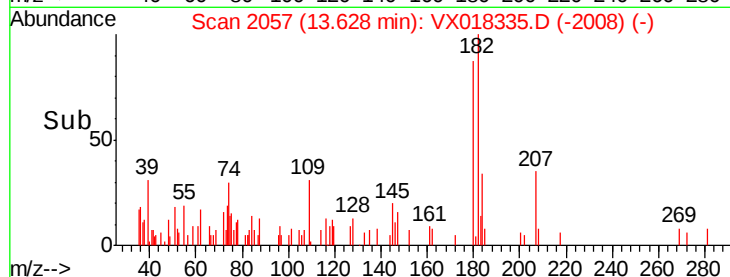
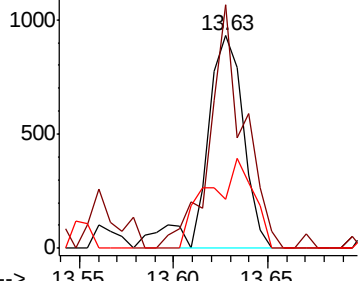
#93
 1,2,4-Trichlorobenzene
 Concen: 0.212 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018335.D
 Acq: 10 Sep 2020 11:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0910WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.5	47.5	142.6
145	51.6	15.7	47.1#

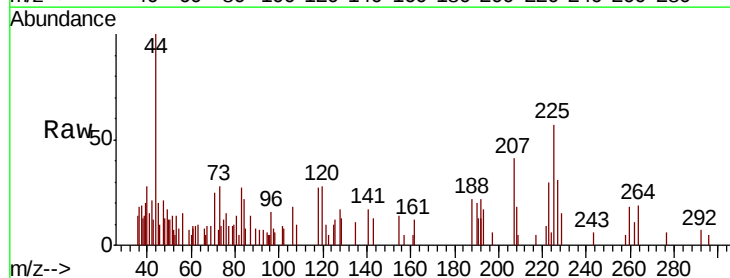


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

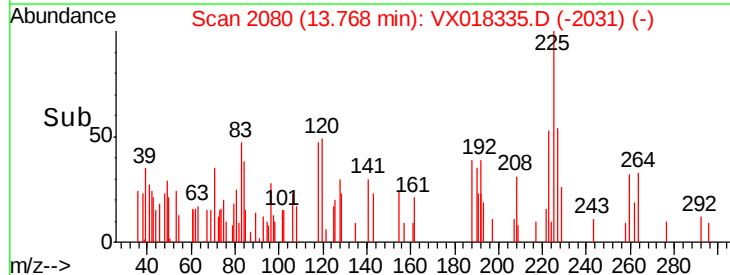
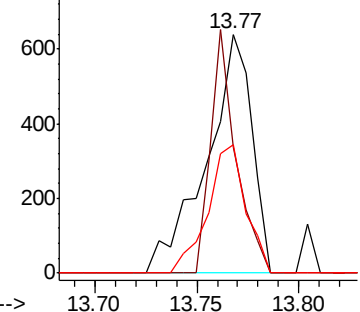


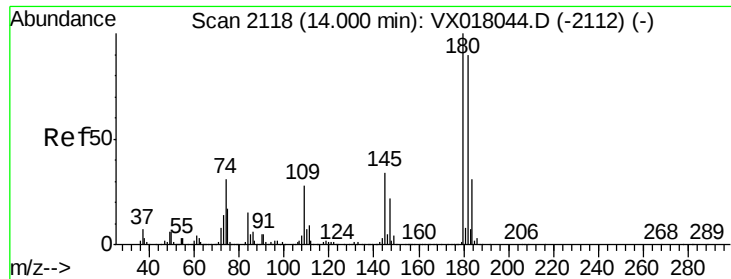
#94
 Hexachlorobutadiene
 Concen: 0.417 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX018335.D
 Acq: 10 Sep 2020 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.3	30.7	92.1
227	45.2	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

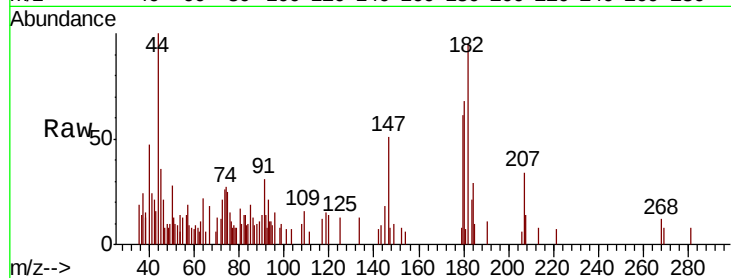




#96
 1,2,3-Trichlorobenzene
 Concen: 0.296 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018335.D
 Acq: 10 Sep 2020 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	68.9	47.3	142.0
145	20.5	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

