

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
 Data File : VX018483.D
 Acq On : 18 Sep 2020 11:26
 Operator : JC/SP
 Sample : VX0918WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBL02

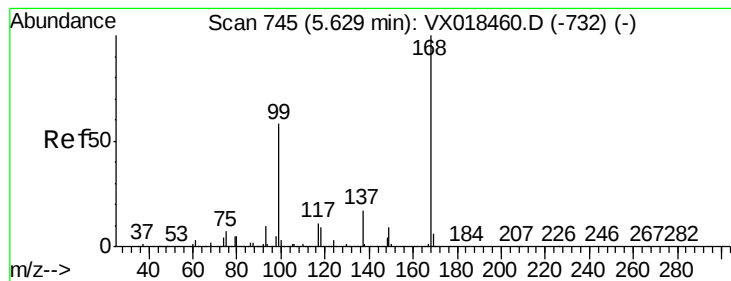
Quant Time: Sep 18 15:37:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	439534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	698515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	657623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	300925	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	311752	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
35) Dibromofluoromethane	5.46	113	240009	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
50) Toluene-d8	8.70	98	841211	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.12	95	298182	42.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	775	0.244	ug/l #	57
6) Chloroethane	1.74	64	638	0.216	ug/l #	84
10) Methyl Iodide	2.49	142	1407	5.157	ug/l #	63
11) Tert butyl alcohol	2.98	59	545	0.504	ug/l #	75
13) Acrolein	2.27	56	669	0.977	ug/l #	58
15) Acrylonitrile	3.12	53	647	0.251	ug/l #	58
16) Acetone	2.42	43	1395	0.587	ug/l	91
20) Methylene Chloride	2.83	84	1822	0.347	ug/l #	75
25) 2-Butanone	4.67	43	1486	0.401	ug/l #	87
36) 1,1-Dichloropropene	5.63	75	34537	5.094	ug/l #	52
38) Carbon Tetrachloride	5.63	117	47367	6.308	ug/l #	19
49) 1,4-Dioxane	7.73	88	65	0.673	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	159940	25.292	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	159940	64.810	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

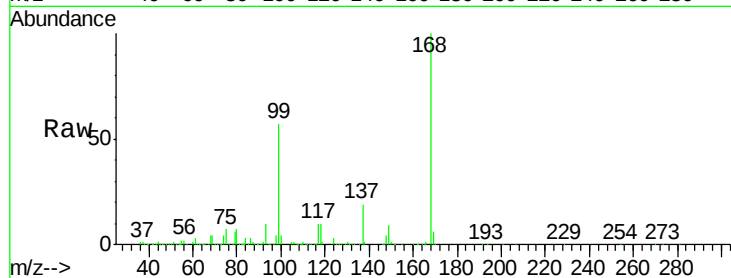
VX0918WBL02

Tgt Ion: 168 Resp: 439534

Ion Ratio Lower Upper

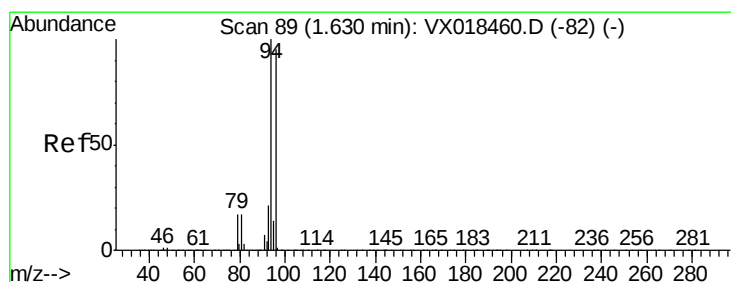
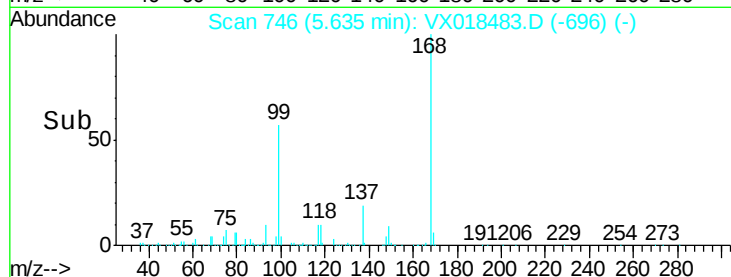
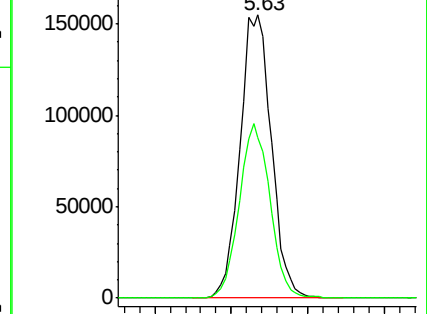
168 100

99 56.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.244 ug/l

RT: 1.65 min Scan# 93

Delta R.T. 0.02 min

Lab File: VX018483.D

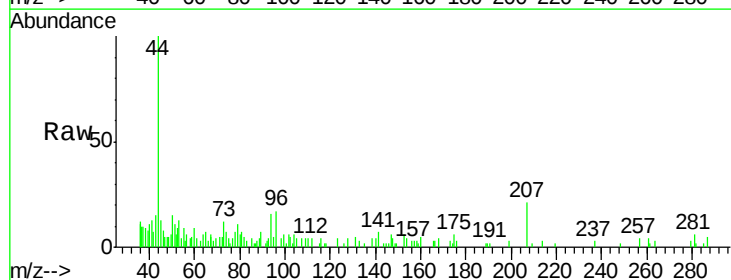
Acq: 18 Sep 2020 11:26

Tgt Ion: 94 Resp: 775

Ion Ratio Lower Upper

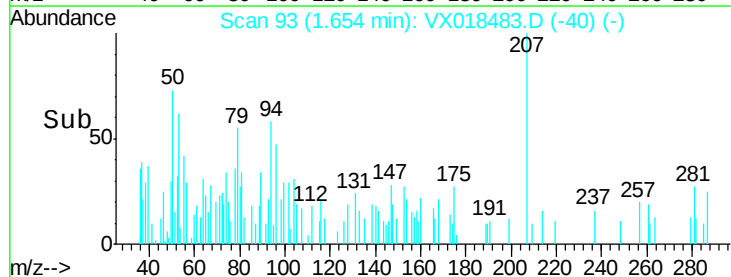
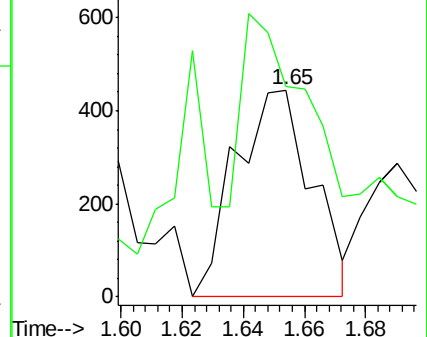
94 100

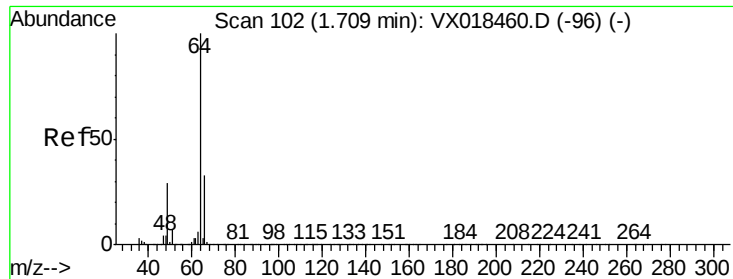
96 53.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.74 min Scan# 107

Delta R.T. 0.03 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Instrument :

MSVOA_X

ClientSampled :

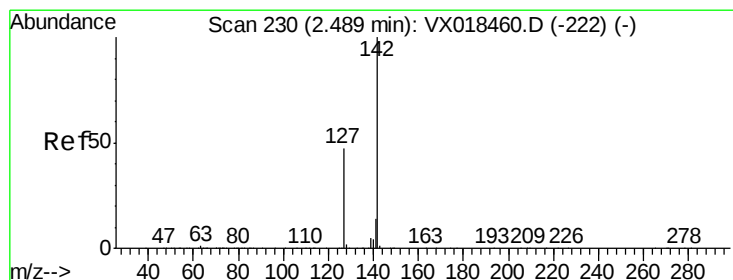
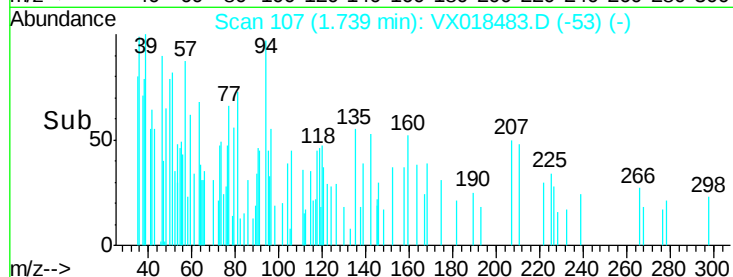
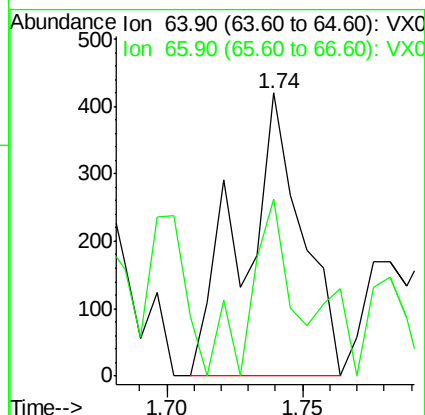
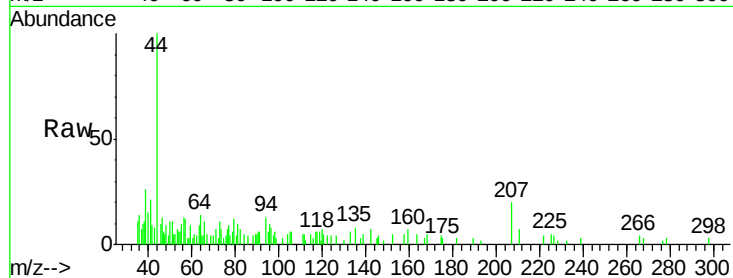
VX0918WBL02

Tgt Ion: 64 Resp: 638

Ion Ratio Lower Upper

64 100

66 41.7 26.2 39.4#



#10

Methyl Iodide

Concen: 5.157 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

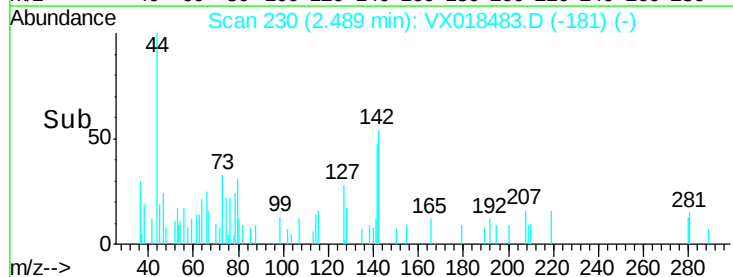
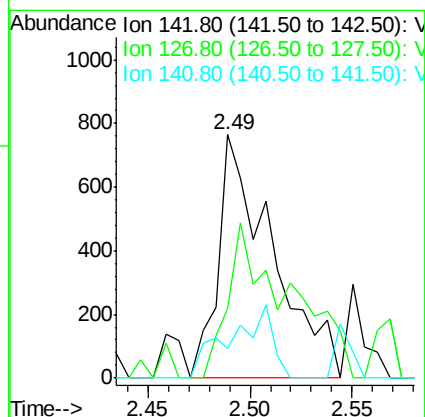
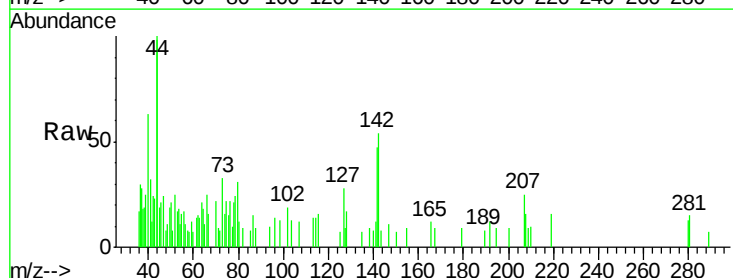
Tgt Ion: 142 Resp: 1407

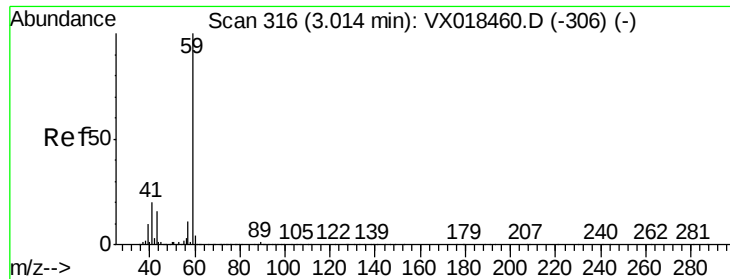
Ion Ratio Lower Upper

142 100

127 72.6 36.0 54.0#

141 24.0 11.9 17.9#

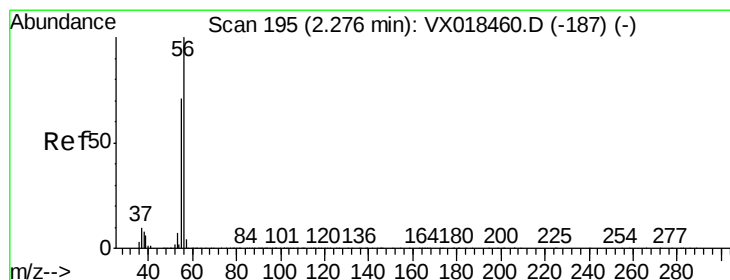
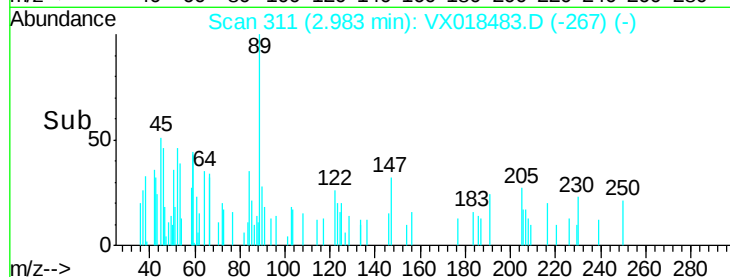
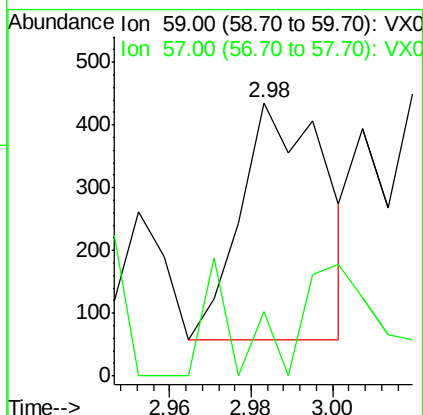
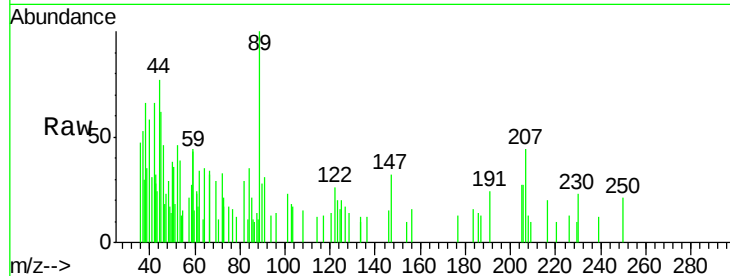




#11
Tert butyl alcohol
Concen: 0.504 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX018483.D
Acq: 18 Sep 2020 11:26

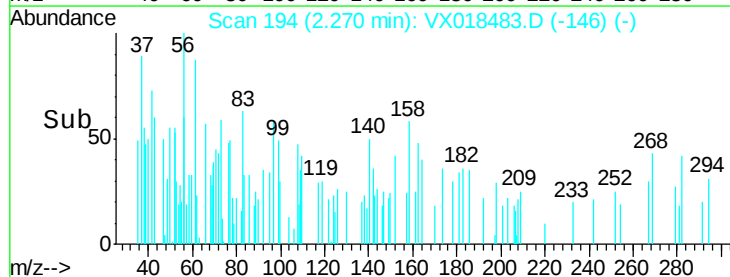
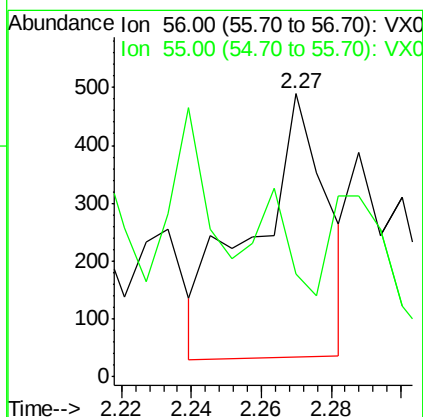
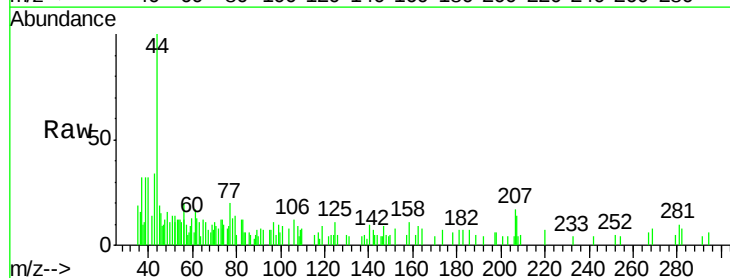
Instrument :
MSVOA_X
ClientSampled :
VX0918WBL02

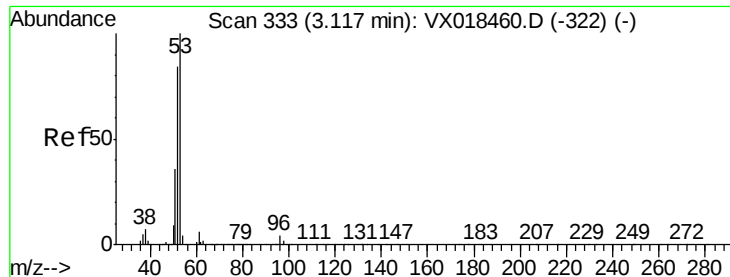
Tgt Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
57 19.6 8.2 12.4#



#13
Acrolein
Concen: 0.977 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018483.D
Acq: 18 Sep 2020 11:26

Tgt Ion: 56 Resp: 669
Ion Ratio Lower Upper
56 100
55 38.0 58.2 87.4#





#15

Acrylonitrile

Concen: 0.251 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBL02

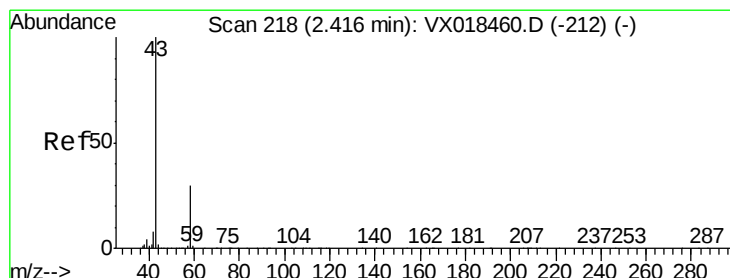
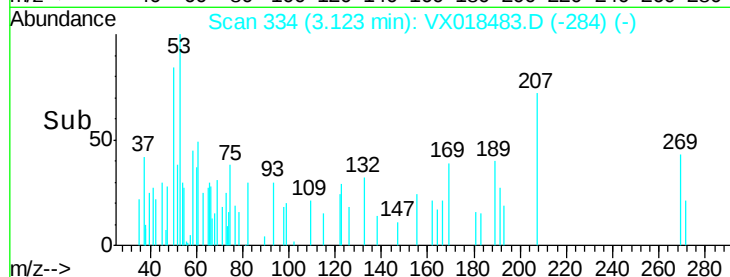
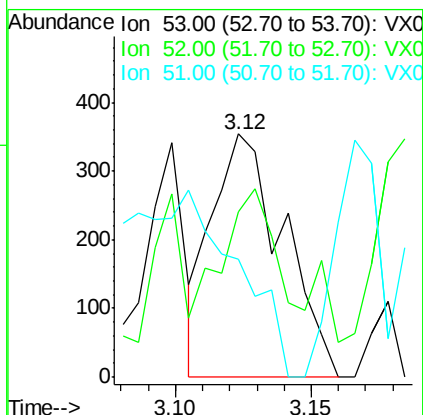
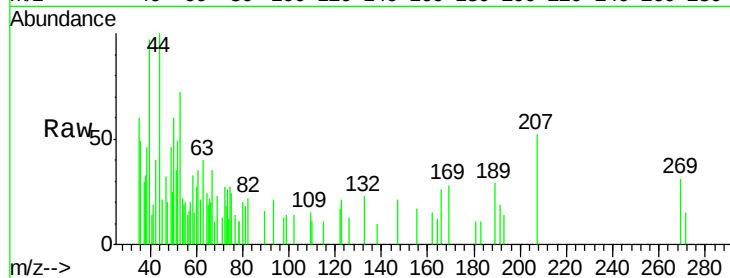
Tgt Ion: 53 Resp: 647

Ion Ratio Lower Upper

53 100

52 52.1 65.8 98.8#

51 0.0 29.2 43.8#



#16

Acetone

Concen: 0.587 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018483.D

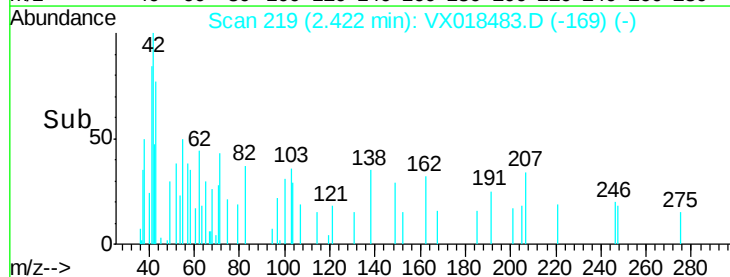
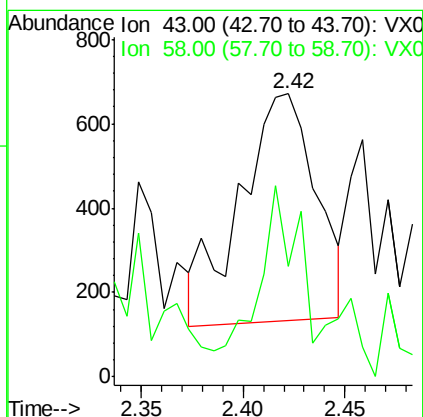
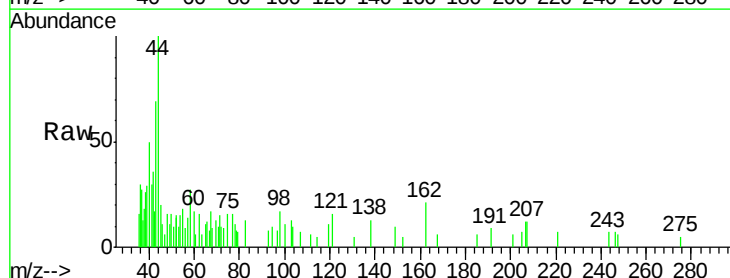
Acq: 18 Sep 2020 11:26

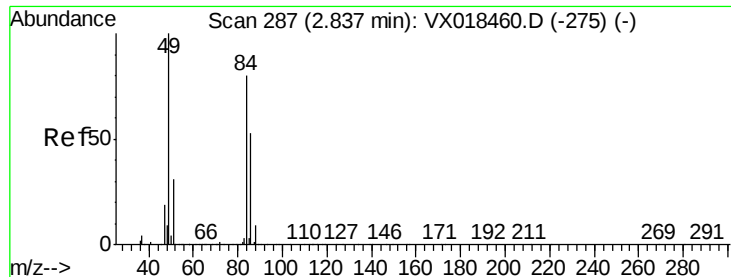
Tgt Ion: 43 Resp: 1395

Ion Ratio Lower Upper

43 100

58 35.1 24.0 36.0

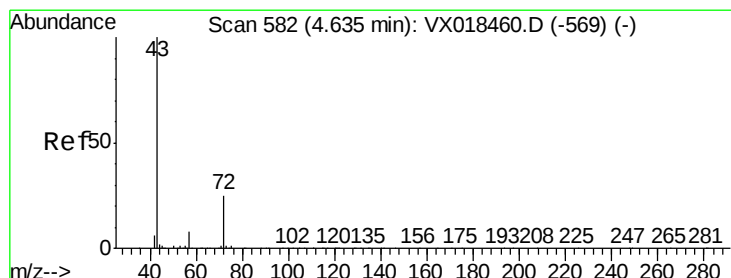
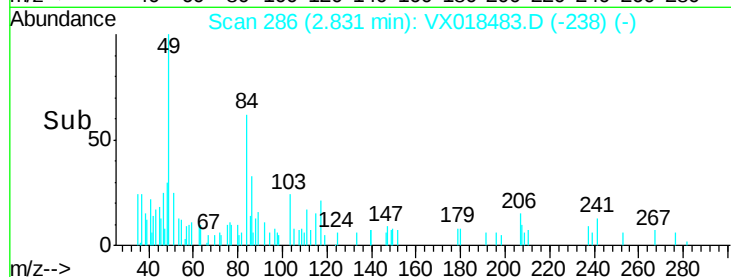
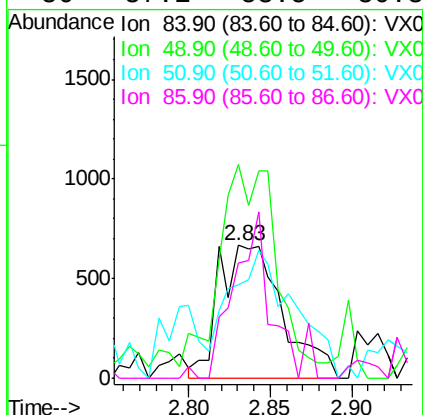
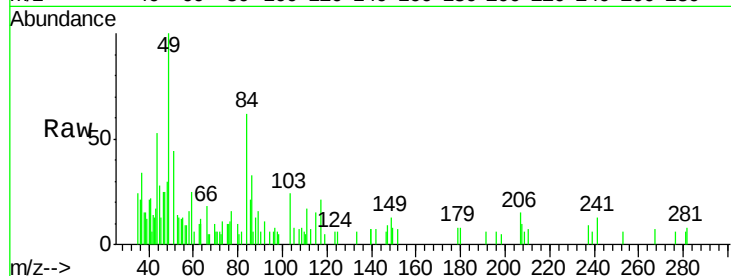




#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018483.D
Acq: 18 Sep 2020 11:26

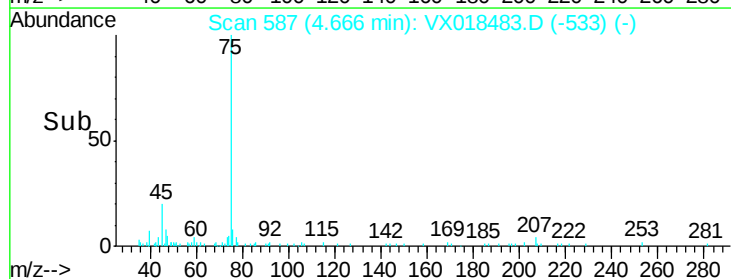
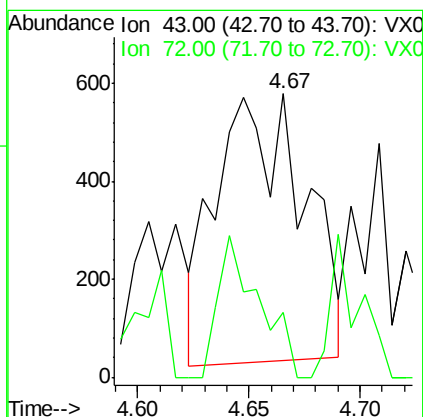
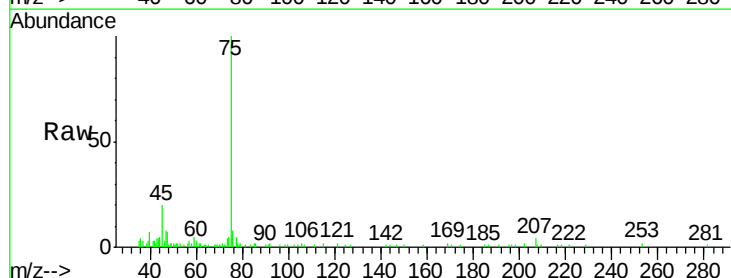
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL02

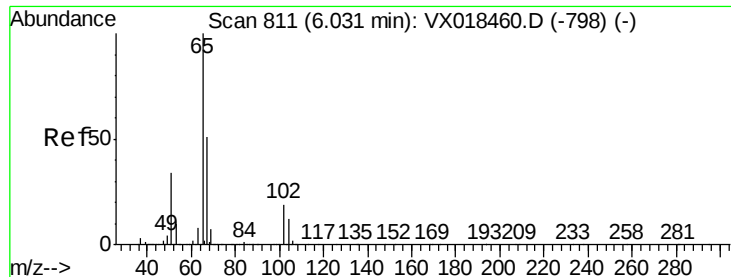
Tgt Ion:	84	Resp:	1822
Ion	Ratio	Lower	Upper
84	100		
49	144.3	100.6	151.0
51	70.7	30.9	46.3#
86	87.1	53.5	80.3#



#25
2-Butanone
Concen: 0.401 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.03 min
Lab File: VX018483.D
Acq: 18 Sep 2020 11:26

Tgt Ion:	43	Resp:	1486
Ion	Ratio	Lower	Upper
43	100		
72	31.7	20.2	30.4#





#33

1,2-Dichloroethane-d4

Concen: 50.138 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Instrument :

MSVOA_X

ClientSampled :

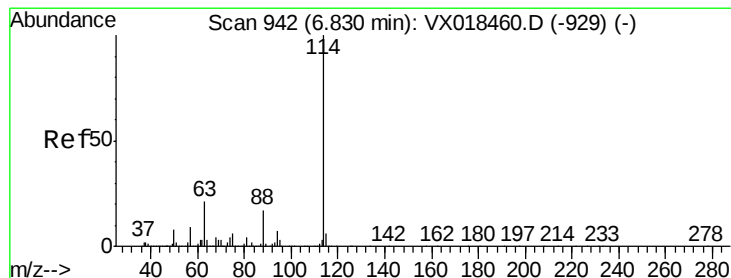
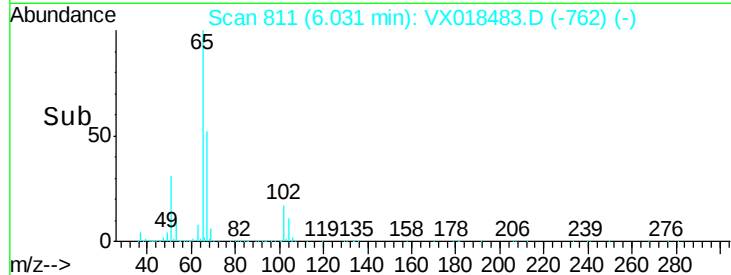
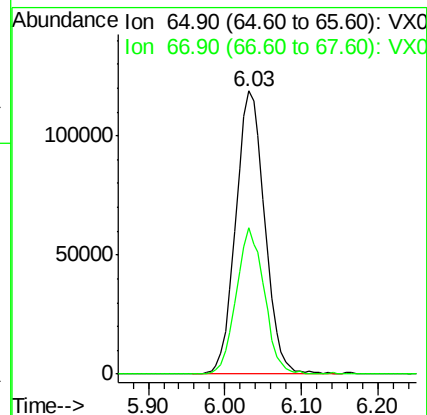
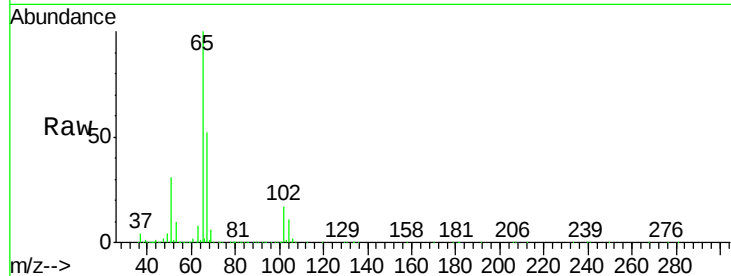
VX0918WBL02

Tgt Ion: 65 Resp: 311752

Ion Ratio Lower Upper

65 100

67 50.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

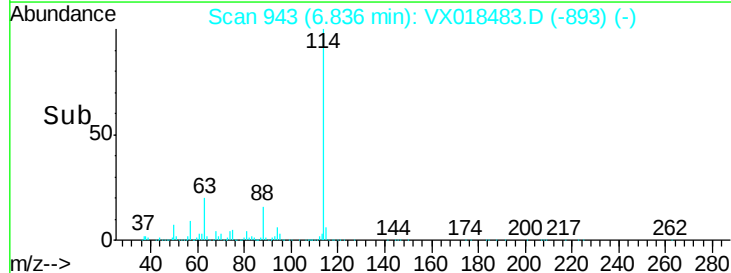
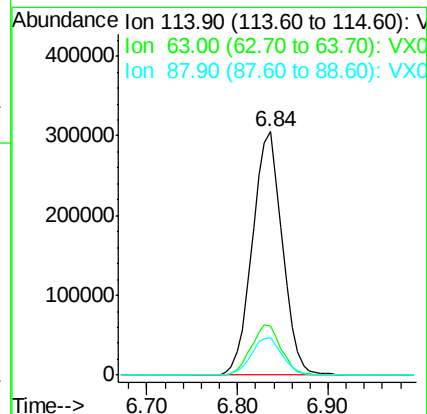
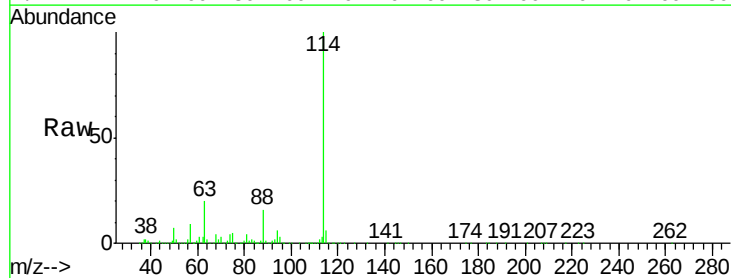
Tgt Ion: 114 Resp: 698515

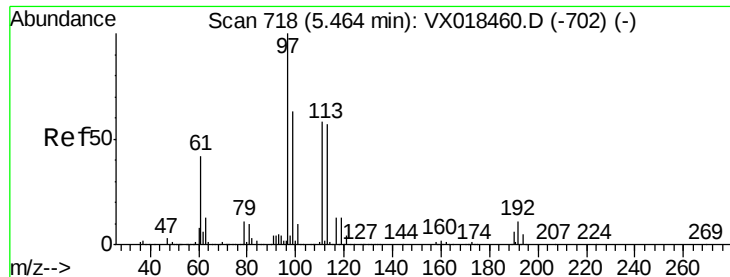
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

88 15.6 0.0 33.6

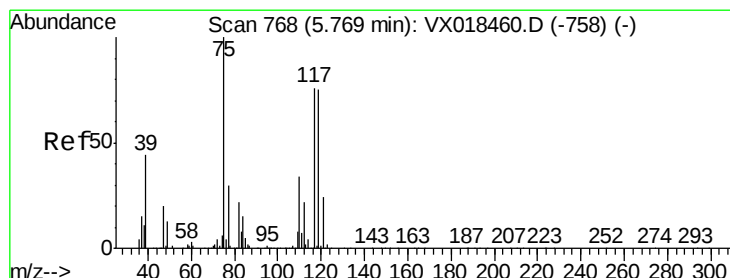
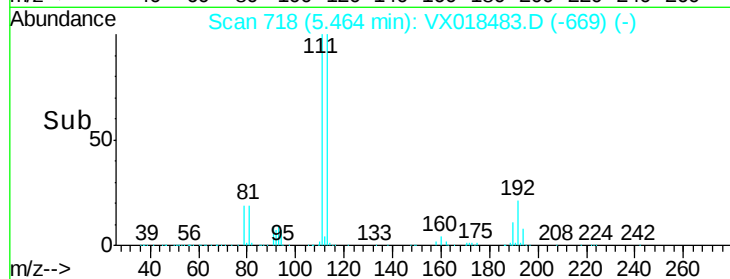
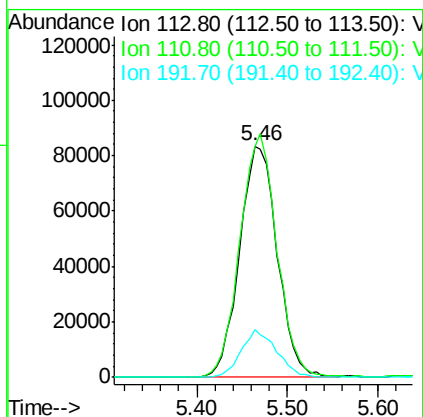
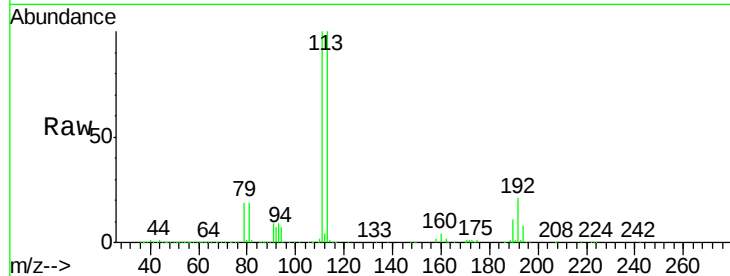




#35
 Dibromofluoromethane
 Concen: 49.702 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX018483.D
 Acq: 18 Sep 2020 11:26

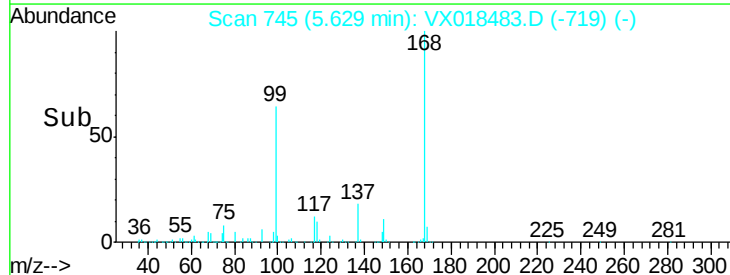
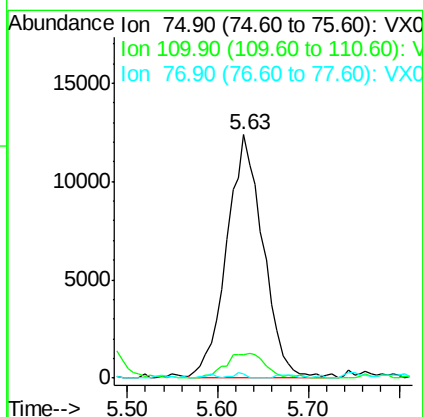
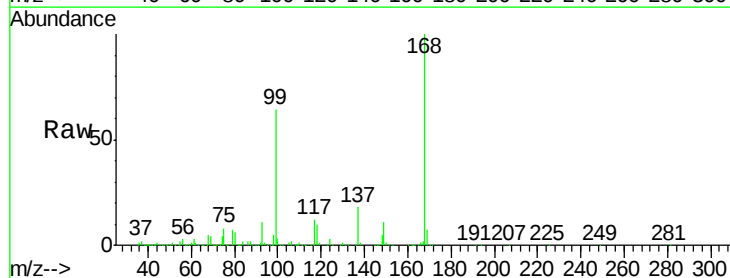
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBL02

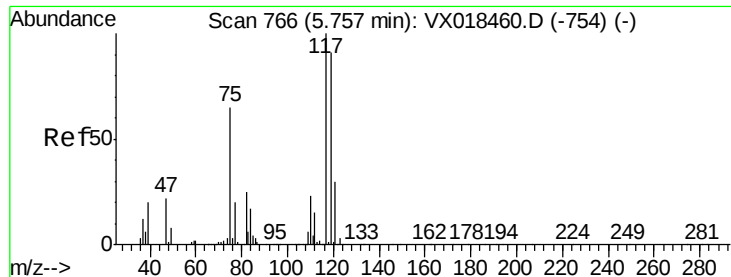
Tgt Ion:113 Resp: 240009
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.4 122.2
 192 19.6 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018483.D
 Acq: 18 Sep 2020 11:26

Tgt Ion: 75 Resp: 34537
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.6 52.8#
 77 0.7 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.308 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBL02

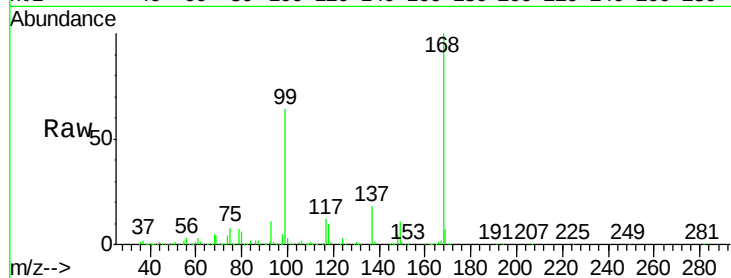
Tgt Ion:117 Resp: 47367

Ion Ratio Lower Upper

117 100

119 5.7 72.3 108.5#

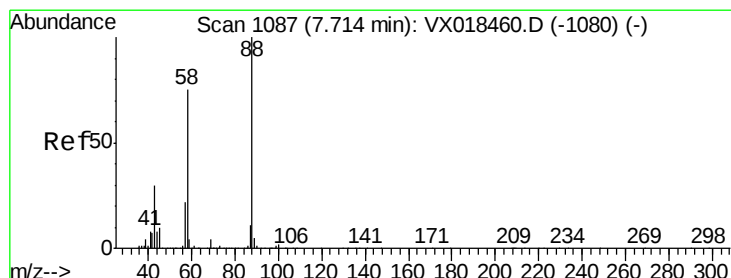
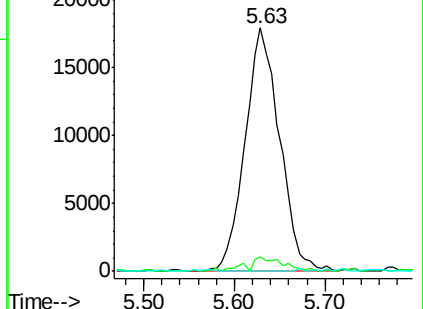
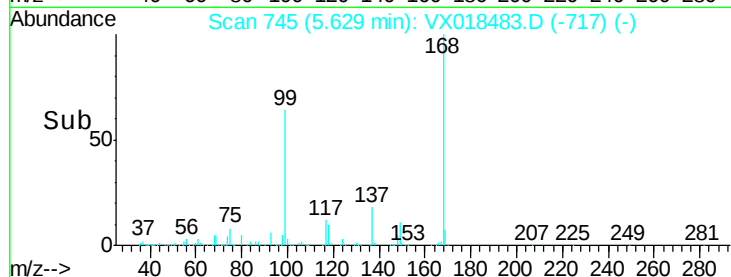
121 0.0 23.8 35.8#



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: 0.673 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

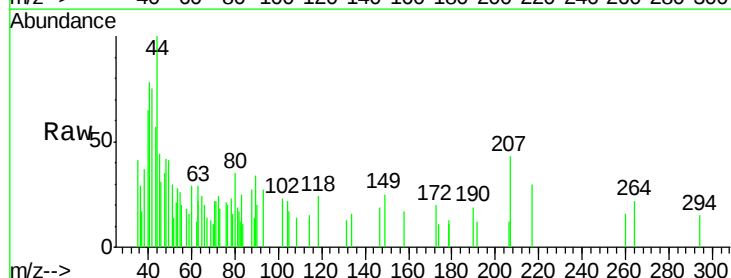
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 738.5 29.9 44.9#

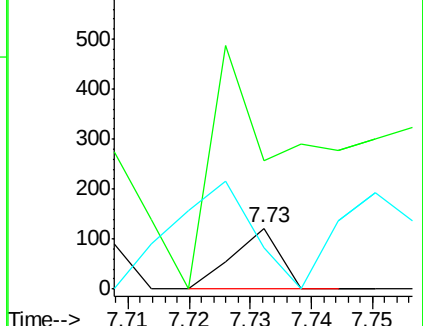
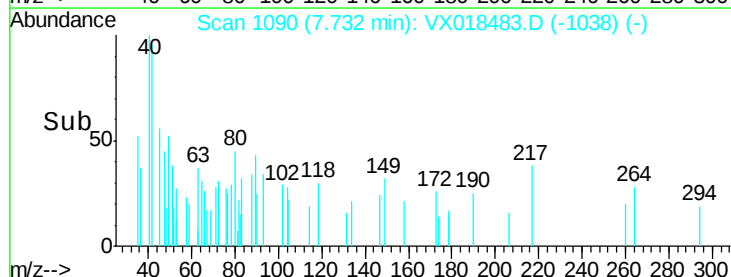
58 307.7 59.0 88.6#

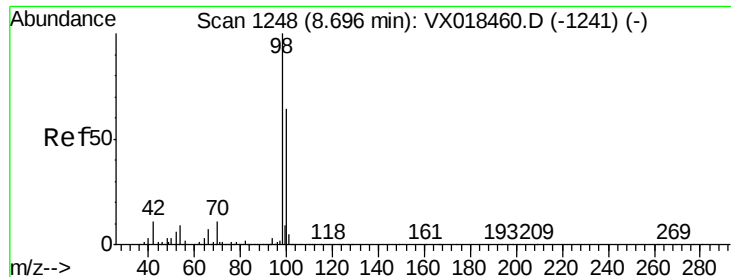


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.946 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

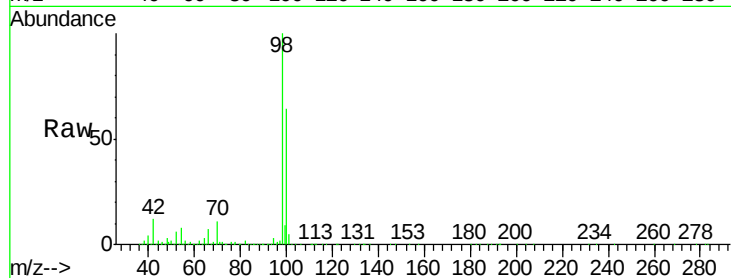
VX0918WBL02

Tgt Ion: 98 Resp: 841211

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

600000

500000

400000

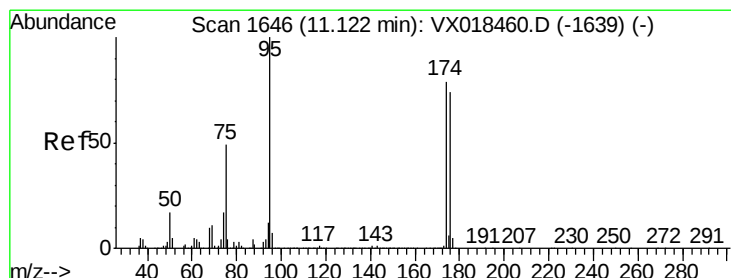
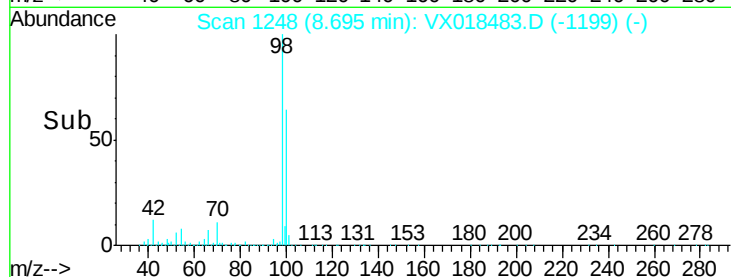
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.725 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

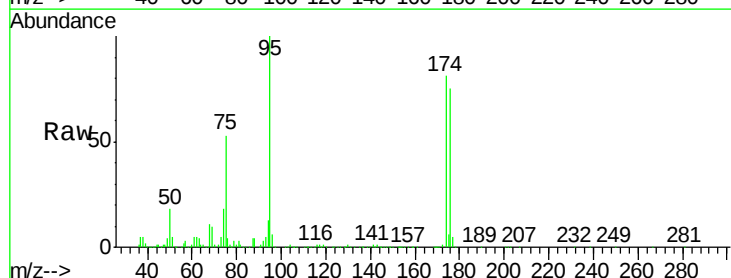
Tgt Ion: 95 Resp: 298182

Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.4

176 78.7 0.0 151.4



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

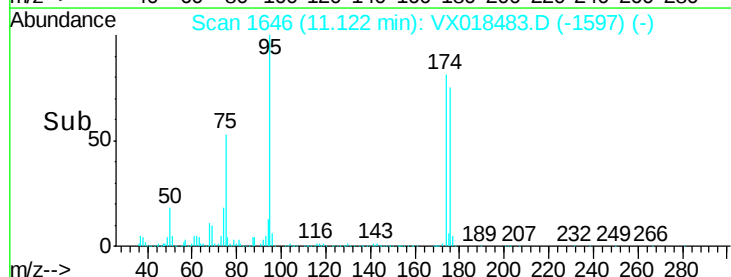
300000

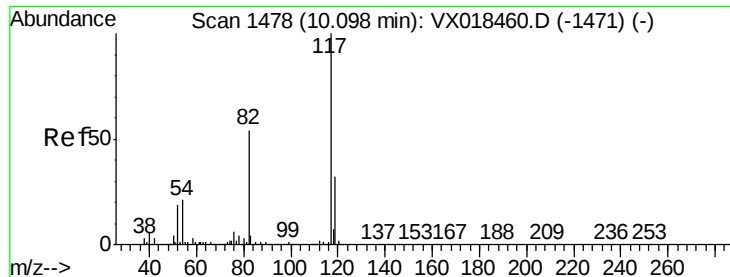
200000

100000

0

Time-->

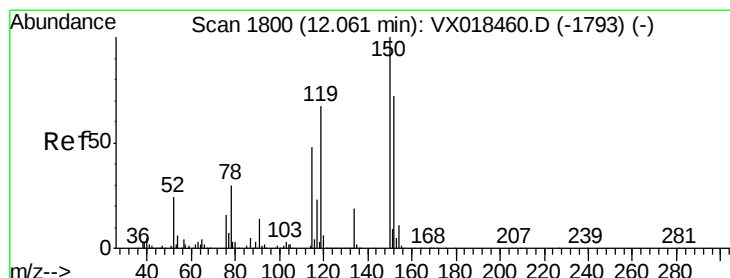
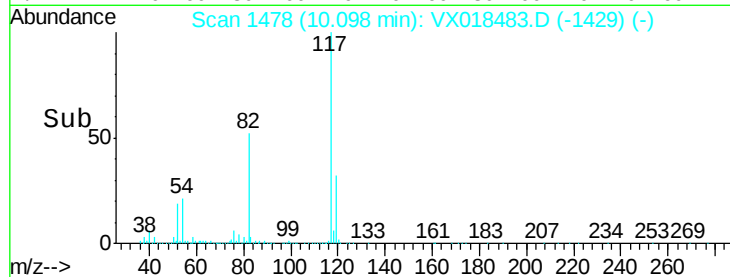
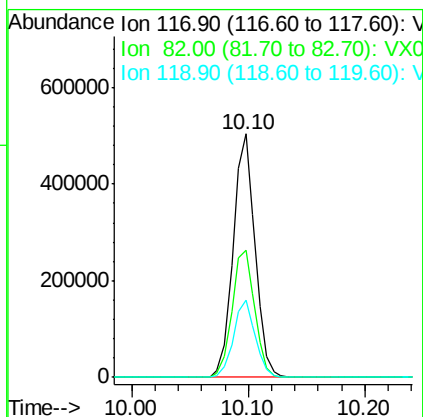
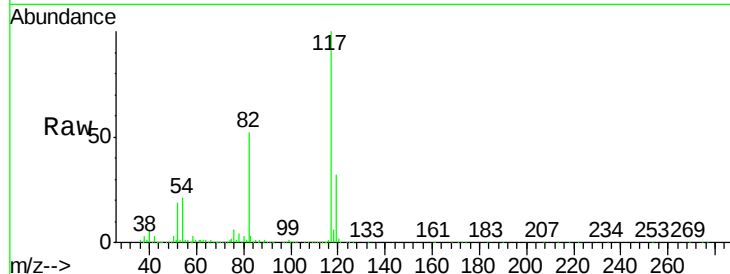




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018483.D
Acq: 18 Sep 2020 11:26

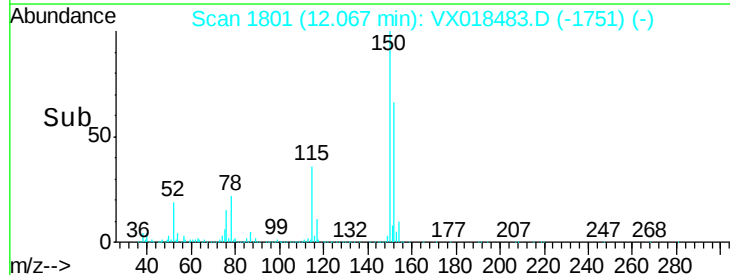
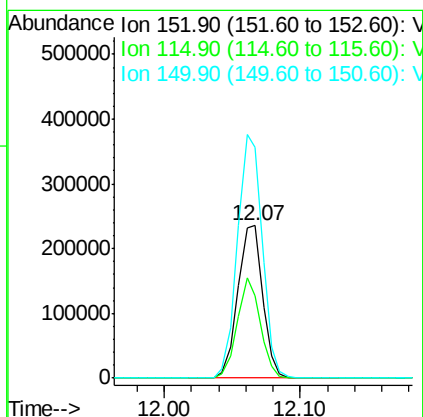
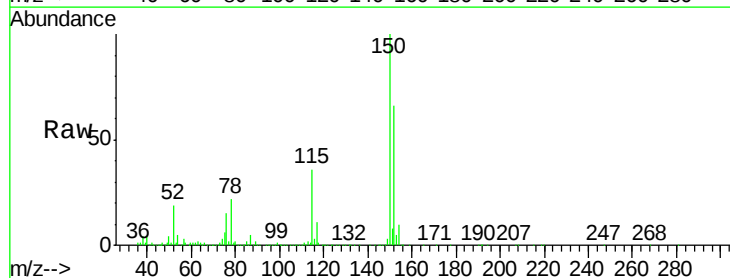
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL02

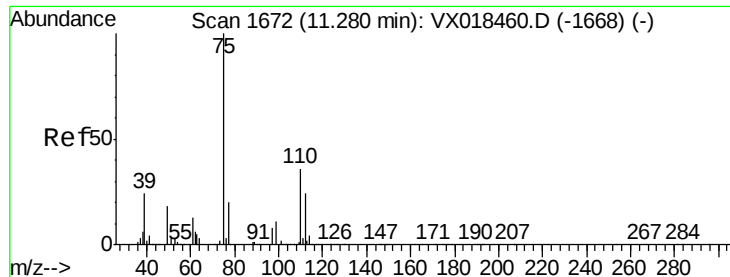
Tgt Ion:117 Resp: 657623
Ion Ratio Lower Upper
117 100
82 52.0 43.3 64.9
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX018483.D
Acq: 18 Sep 2020 11:26

Tgt Ion:152 Resp: 300925
Ion Ratio Lower Upper
152 100
115 60.6 41.8 125.4
150 159.0 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 25.292 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Instrument :

MSVOA_X

ClientSampled :

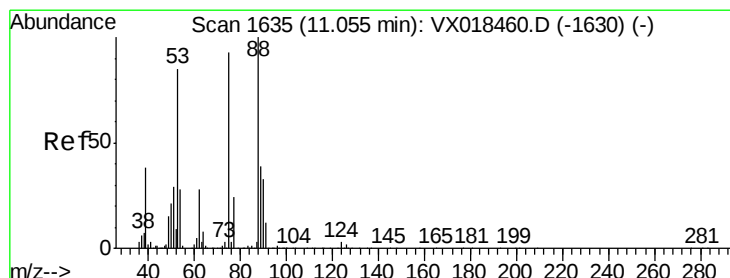
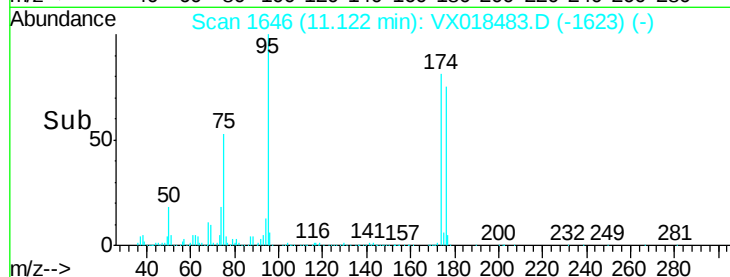
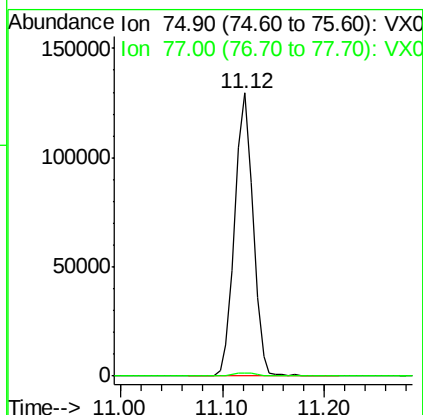
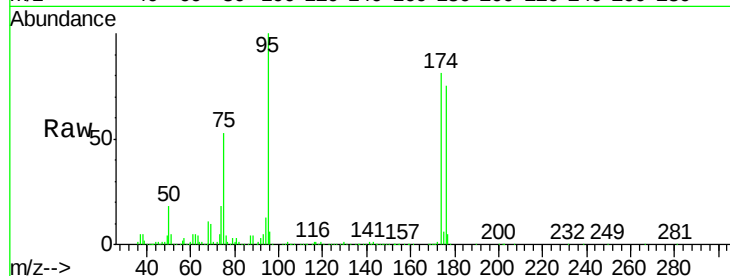
VX0918WBL02

Tgt Ion: 75 Resp: 159940

Ion Ratio Lower Upper

75 100

77 1.6 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.810 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018483.D

Acq: 18 Sep 2020 11:26

Tgt Ion: 75 Resp: 159940

Ion Ratio Lower Upper

75 100

53 0.6 74.6 111.8#

89 0.0 36.2 54.4#

