

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092520\
 Data File : VX018590.D
 Acq On : 25 Sep 2020 10:46
 Operator : JC/SP
 Sample : VV0925WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBL01

Quant Time: Sep 25 13:47:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	79084	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	403344	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	381624	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	197014	31.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.27%
60) 4-Bromofluorobenzene	11.12	95	171303	25.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.33%
63) Toluene-d8	8.70	98	484945	28.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.10%

Target Compounds

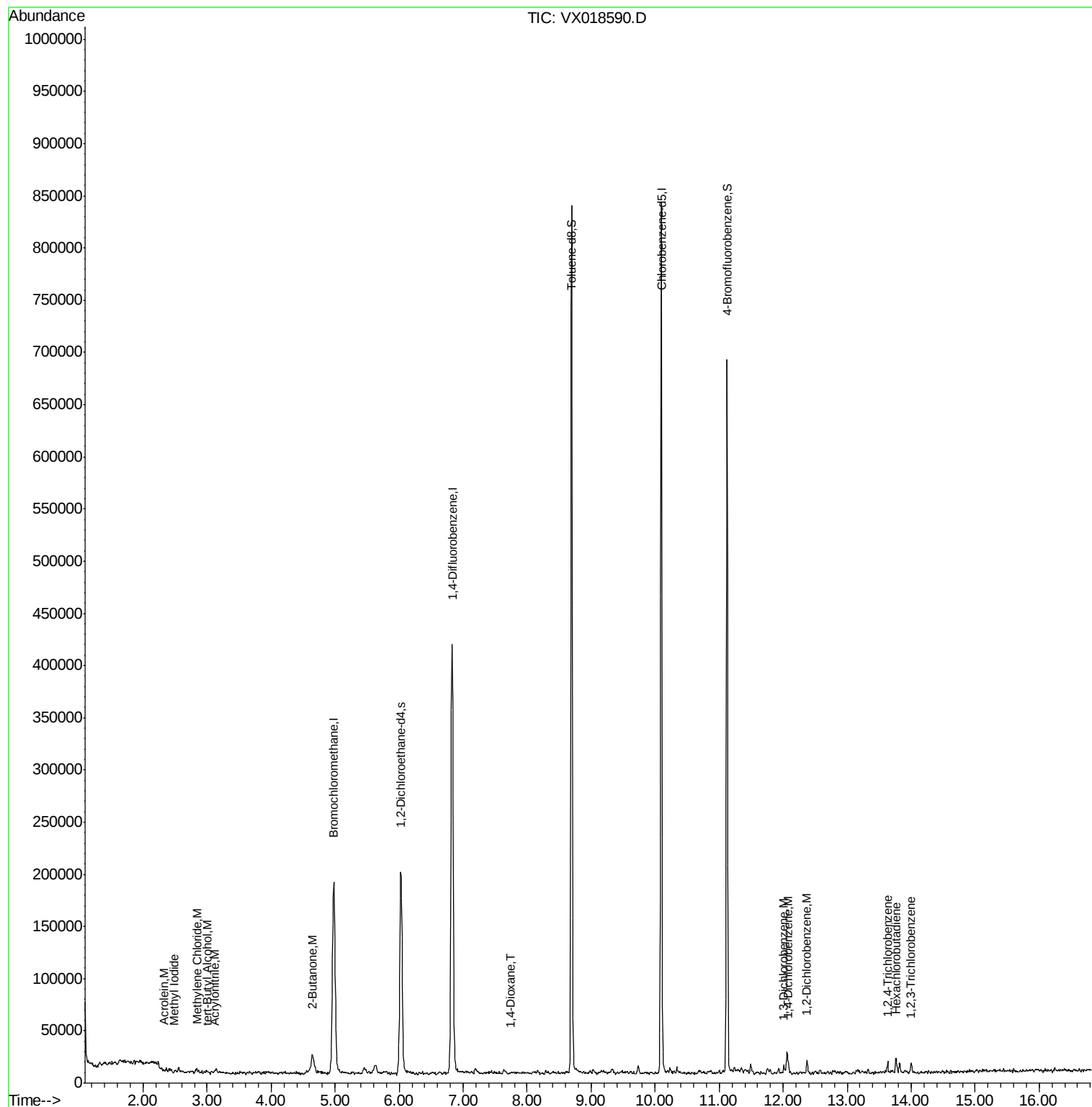
					Qvalue	
11) Methyl Iodide	2.49	142	362	7.615	ug/l #	42
13) Acrolein	2.32	56	127	0.300	ug/l	95
14) Acrylonitrile	3.12	53	794	0.335	ug/l #	52
18) Methylene Chloride	2.83	84	1396	0.299	ug/l #	76
23) tert-Butyl Alcohol	3.00	59	1994	1.939	ug/l #	79
30) 2-Butanone	4.64	43	1365	0.405	ug/l #	62
45) 1,4-Dioxane	7.74	88	124	1.374	ug/l #	39
83) 1,3-Dichlorobenzene	12.01	146	2430	0.233	ug/l	87
84) 1,4-Dichlorobenzene	12.09	146	2309	0.221	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	1964	0.201	ug/l	90
89) 1,2,4-Trichlorobenzene	13.63	180	2280	0.345	ug/l	84
90) Hexachlorobutadiene	13.76	225	2133	0.762	ug/l	89
92) 1,2,3-Trichlorobenzene	14.01	180	2240	0.342	ug/l	100

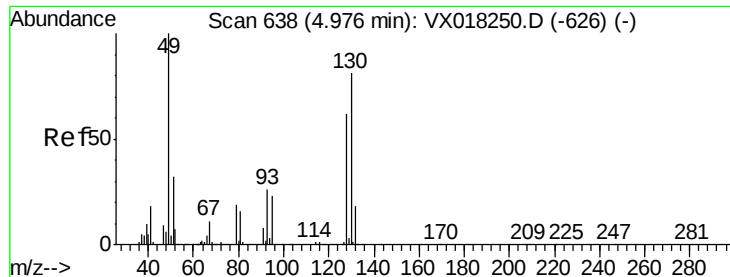
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092520\
Data File : VX018590.D
Acq On : 25 Sep 2020 10:46
Operator : JC/SP
Sample : VV0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Quant Time: Sep 25 13:47:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX018590.D

Acq: 25 Sep 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBL01

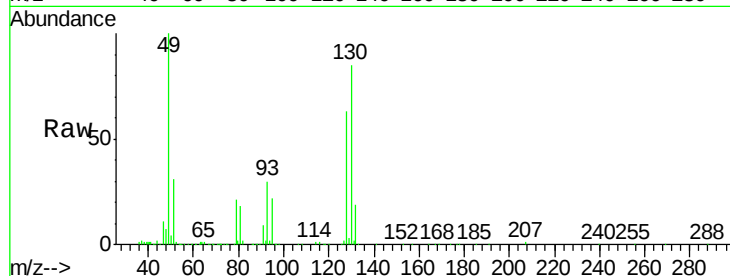
Tgt Ion:128 Resp: 79084

Ion Ratio Lower Upper

128 100

49 154.8 0.0 392.0

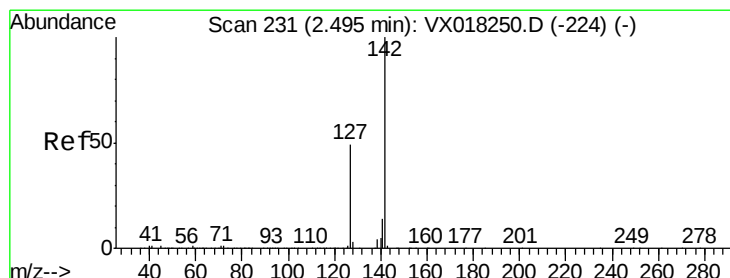
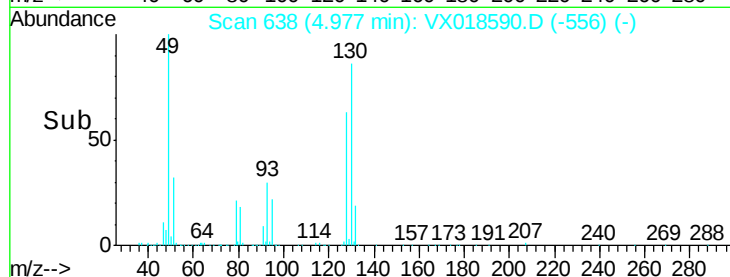
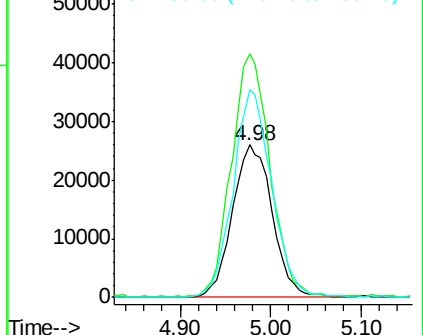
130 131.7 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 7.615 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX018590.D

Acq: 25 Sep 2020 10:46

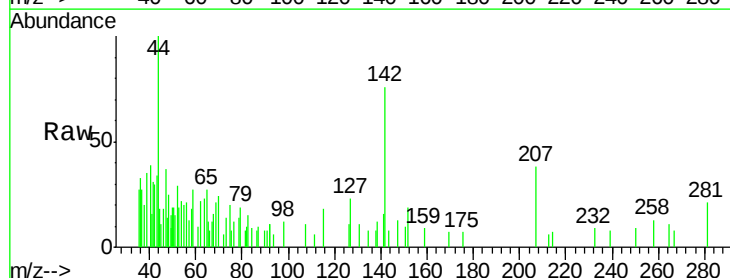
Tgt Ion:142 Resp: 362

Ion Ratio Lower Upper

142 100

127 0.0 24.6 74.0#

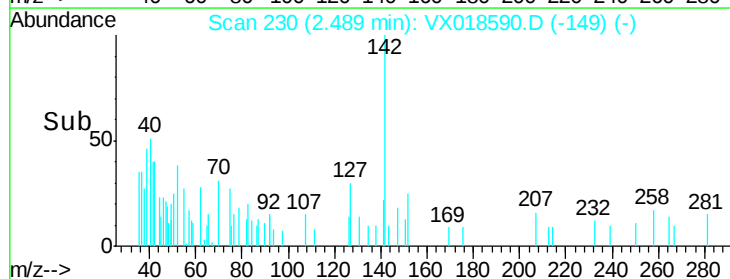
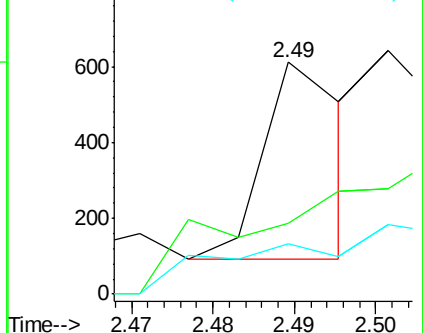
141 10.3 7.0 21.0

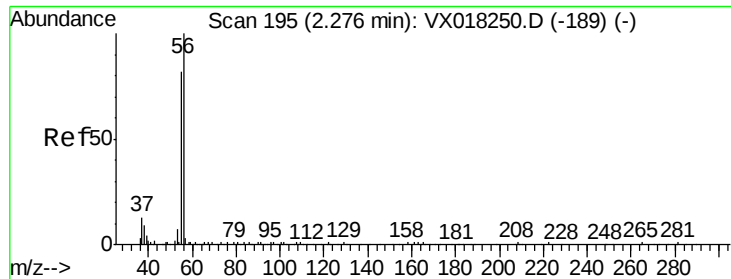


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

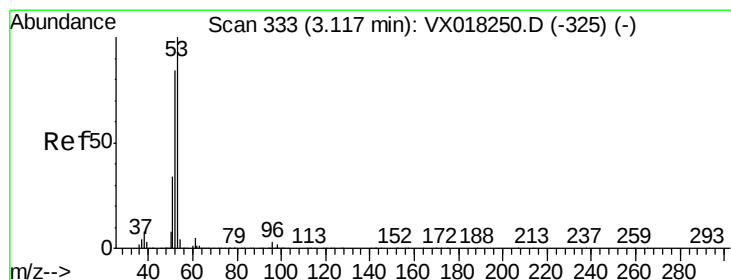
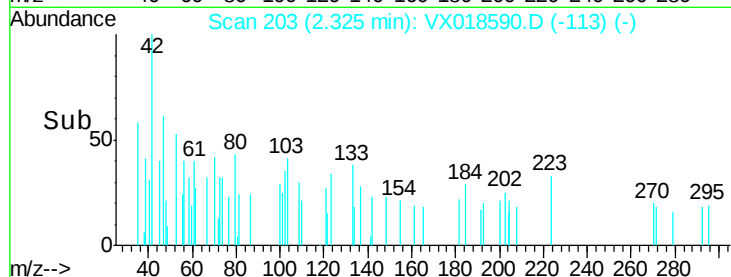
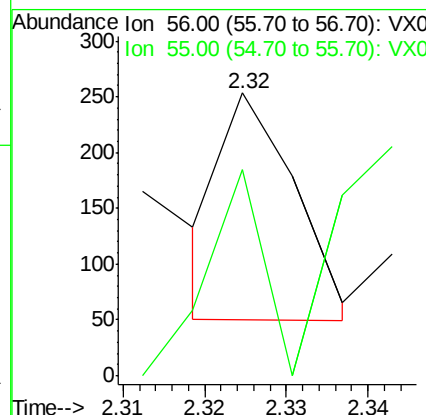
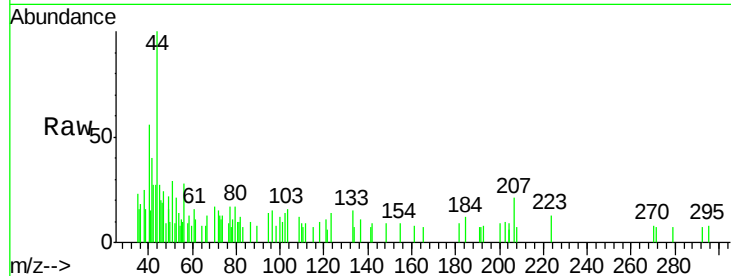




#13
Acrolein
Concen: 0.300 ug/l
RT: 2.32 min Scan# 203
Delta R.T. 0.05 min
Lab File: VX018590.D
Acq: 25 Sep 2020 10:46

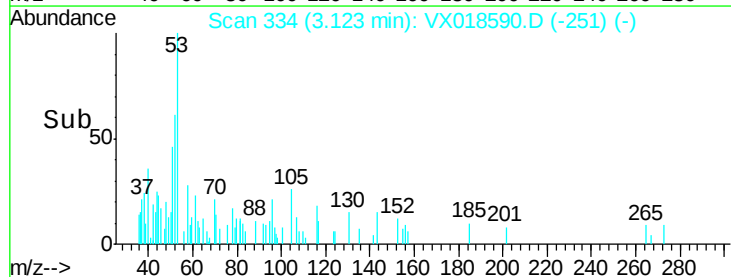
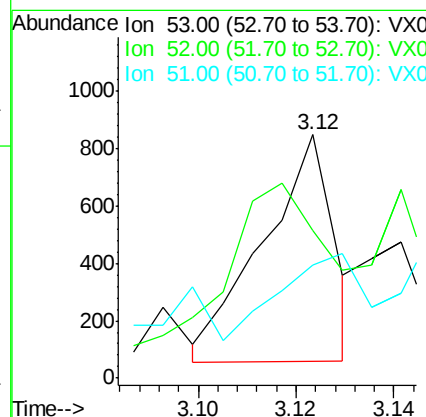
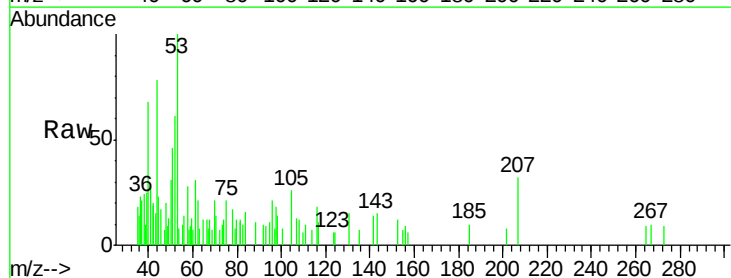
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

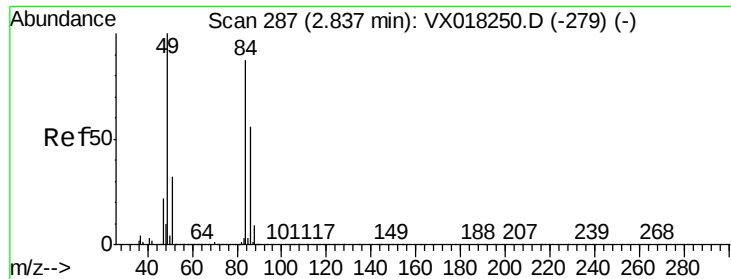
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 70.1 59.7 89.5



#14
Acrylonitrile
Concen: 0.335 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX018590.D
Acq: 25 Sep 2020 10:46

Tgt Ion: 53 Resp: 794
Ion Ratio Lower Upper
53 100
52 136.6 41.9 125.7#
51 50.3 18.3 54.8

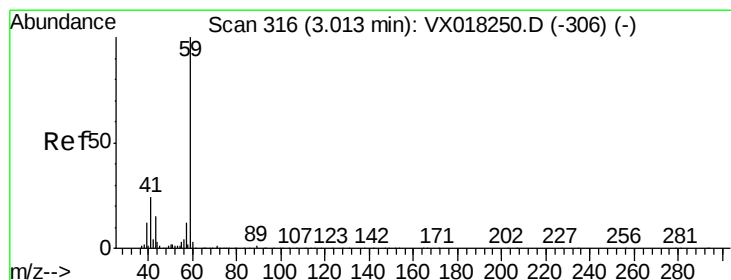
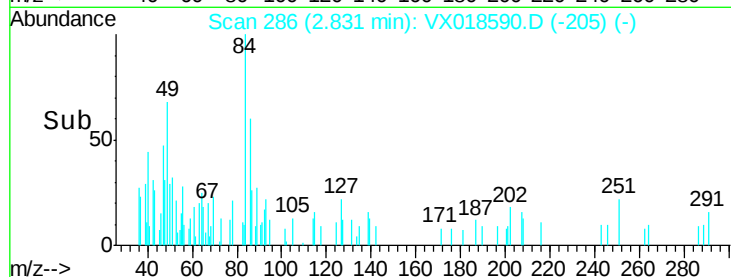
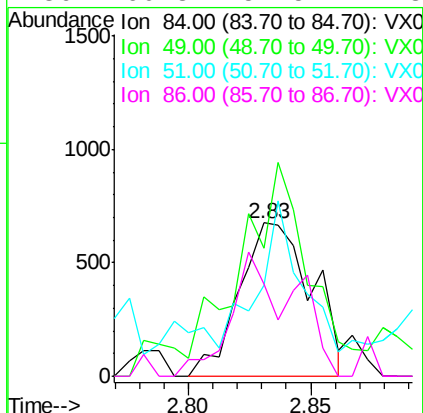
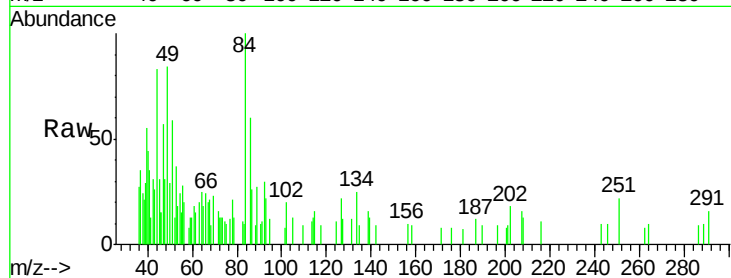




#18
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018590.D
Acq: 25 Sep 2020 10:46

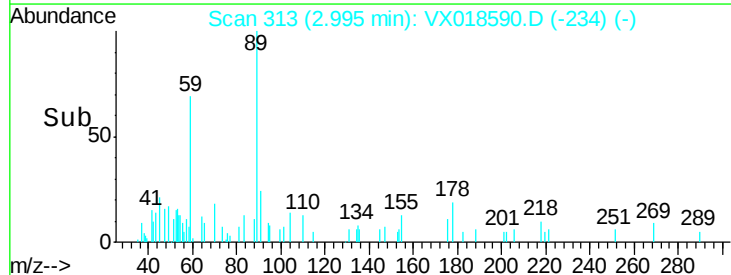
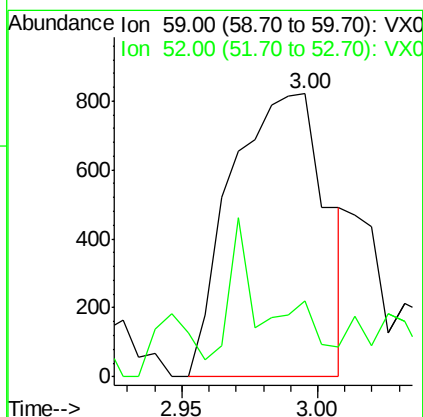
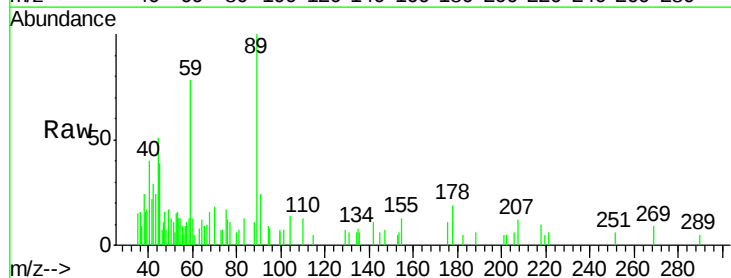
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

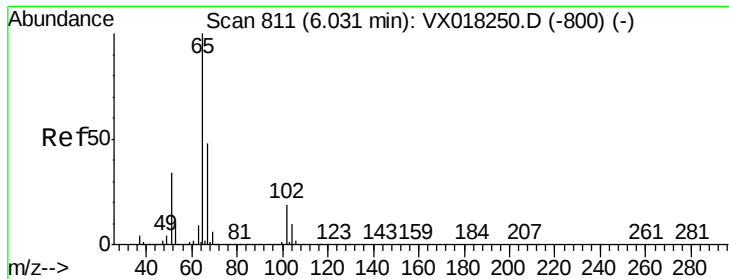
Tgt Ion:	84	Resp:	1396
Ion	Ratio	Lower	Upper
84	100		
49	72.4	91.6	137.4#
51	42.8	29.4	44.0
86	60.3	51.5	77.3



#23
tert-Butyl Alcohol
Concen: 1.939 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018590.D
Acq: 25 Sep 2020 10:46

Tgt Ion:	59	Resp:	1994
Ion	Ratio	Lower	Upper
59	100		
52	13.8	0.4	0.6#





#27

1,2-Dichloroethane-d4

Concen: 31.577 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX018590.D

Acq: 25 Sep 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

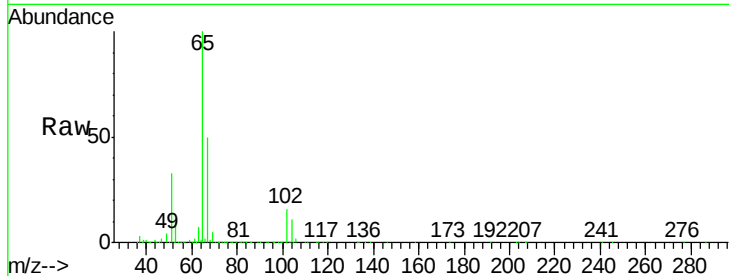
VX0925WBL01

Tgt Ion: 65 Resp: 197014

Ion Ratio Lower Upper

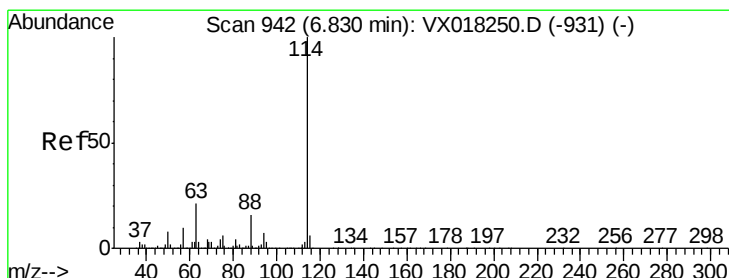
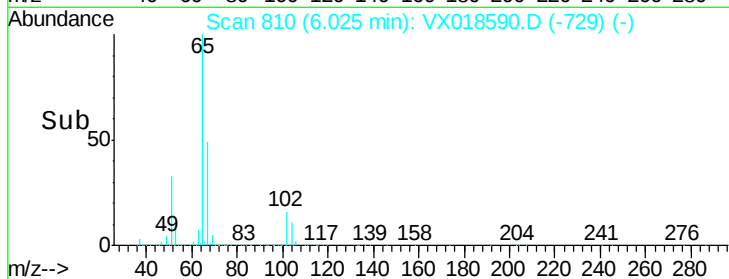
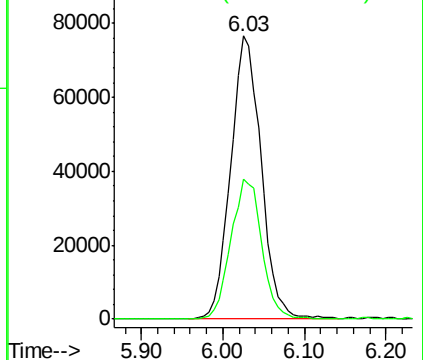
65 100

67 50.1 39.9 59.9



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018590.D

Acq: 25 Sep 2020 10:46

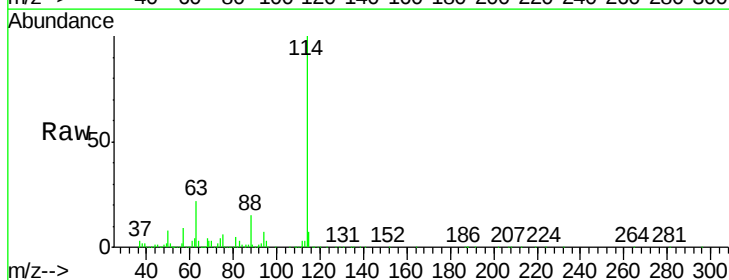
Tgt Ion: 114 Resp: 403344

Ion Ratio Lower Upper

114 100

63 21.1 16.7 25.1

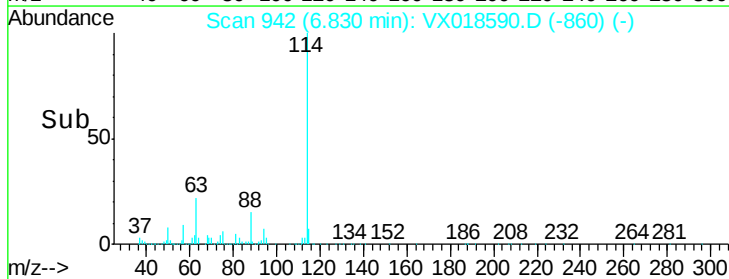
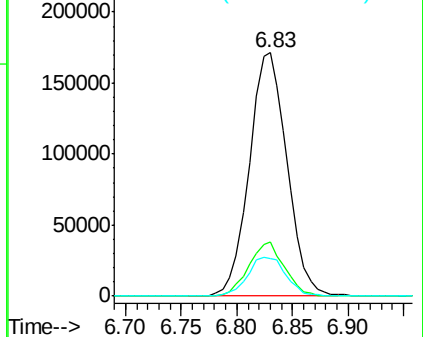
88 16.3 12.6 18.8

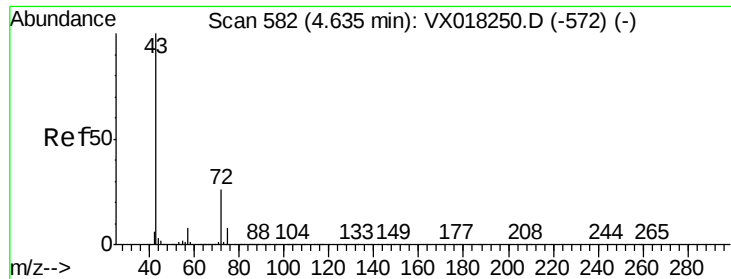


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

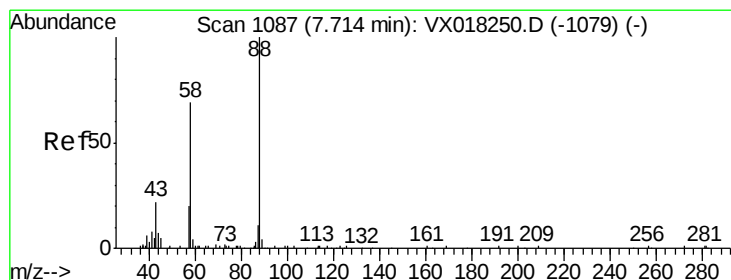
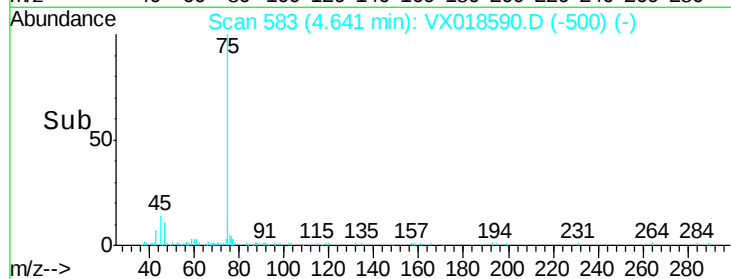
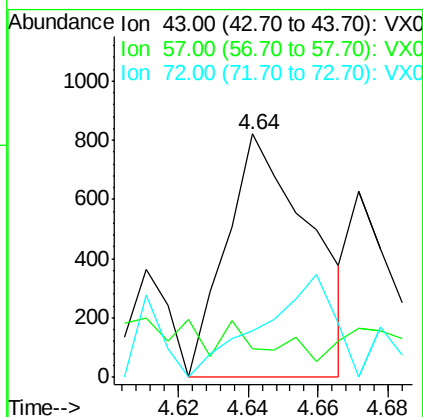
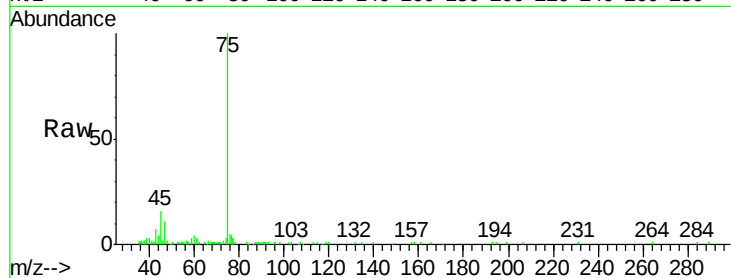




#30
 2-Butanone
 Concen: 0.405 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX018590.D
 Acq: 25 Sep 2020 10:46

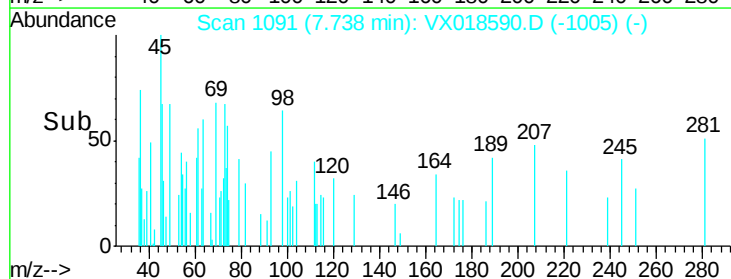
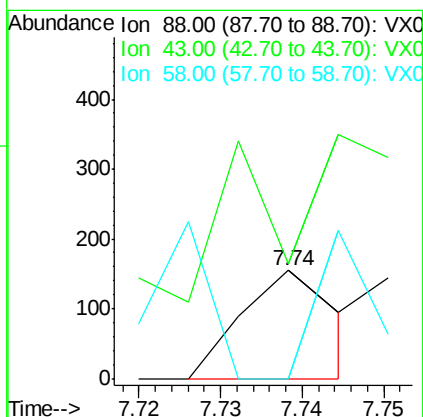
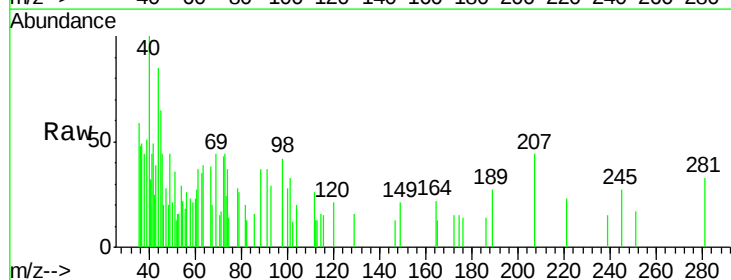
Instrument :
 MSVOA_X
 ClientSampled :
 VX0925WBL01

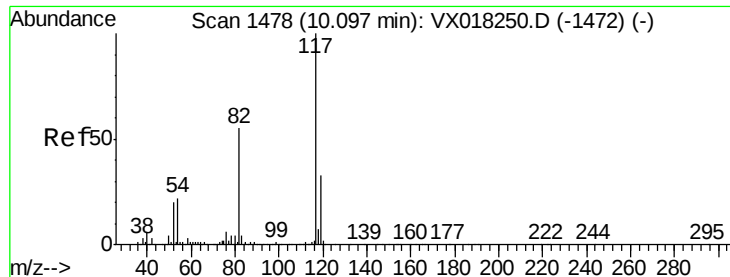
Tgt Ion: 43 Resp: 1365
 Ion Ratio Lower Upper
 43 100
 57 7.5 6.7 10.1
 72 0.0 20.0 30.0#



#45
 1,4-Dioxane
 Concen: 1.374 ug/l
 RT: 7.74 min Scan# 1091
 Delta R.T. 0.02 min
 Lab File: VX018590.D
 Acq: 25 Sep 2020 10:46

Tgt Ion: 88 Resp: 124
 Ion Ratio Lower Upper
 88 100
 43 118.5 13.6 20.4#
 58 89.5 58.2 87.4#

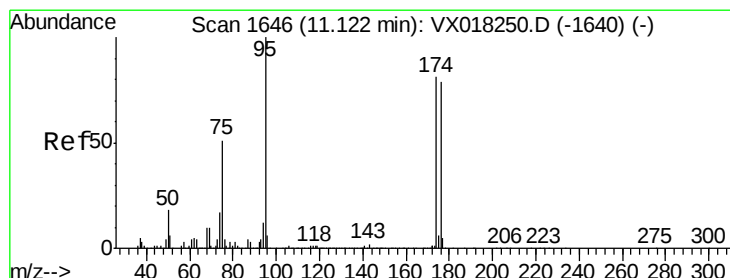
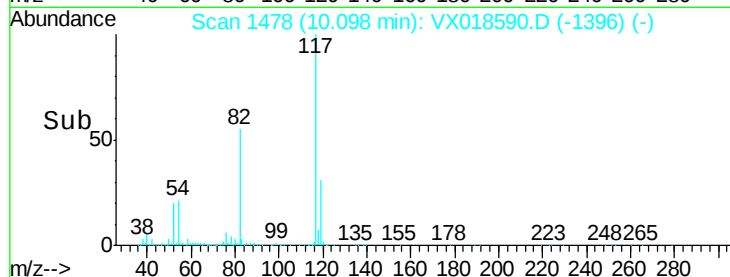
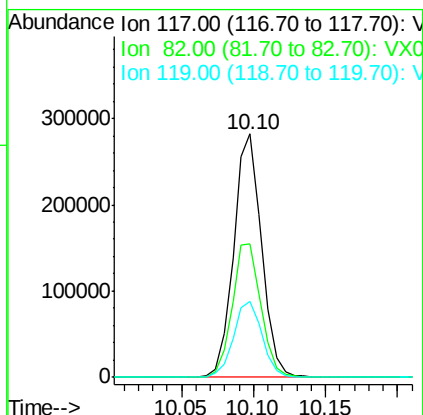
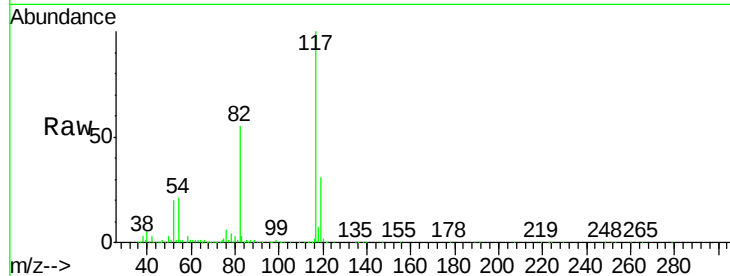




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018590.D
Acq: 25 Sep 2020 10:46

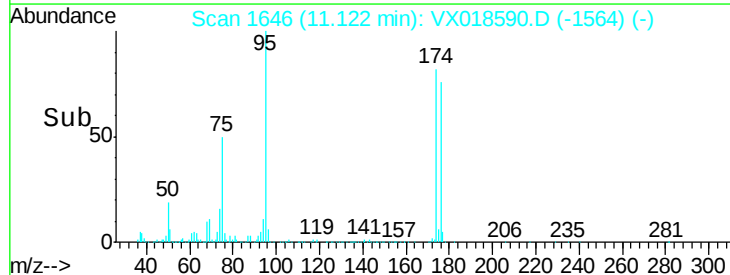
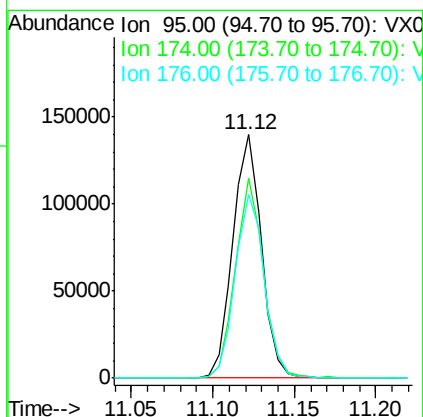
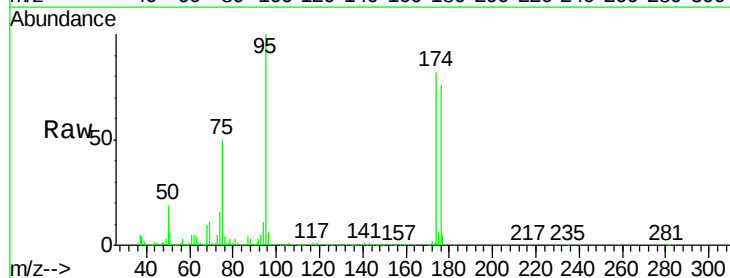
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

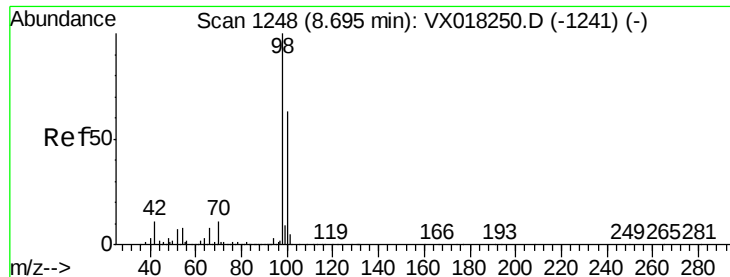
Tgt Ion: 117 Resp: 381624
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.4
119 32.0 26.1 39.1



#60
4-Bromofluorobenzene
Concen: 25.898 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018590.D
Acq: 25 Sep 2020 10:46

Tgt Ion: 95 Resp: 171303
Ion Ratio Lower Upper
95 100
174 80.4 64.2 96.4
176 76.1 62.2 93.4





#63

Toluene-d8

Concen: 28.831 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018590.D

Acq: 25 Sep 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

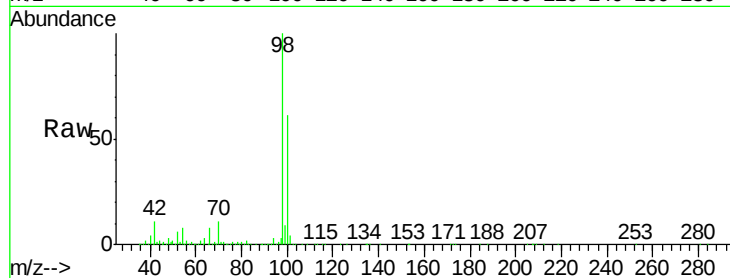
VX0925WBL01

Tgt Ion: 98 Resp: 484945

Ion Ratio Lower Upper

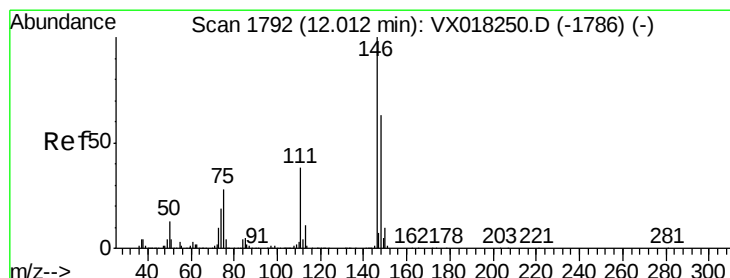
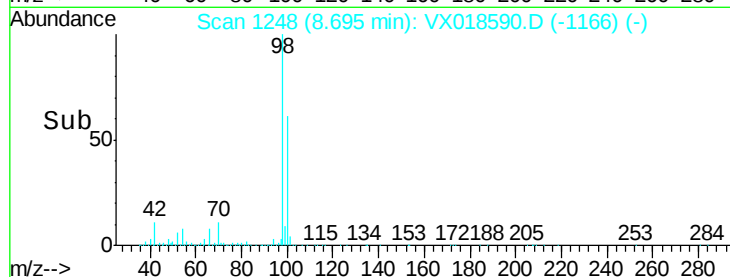
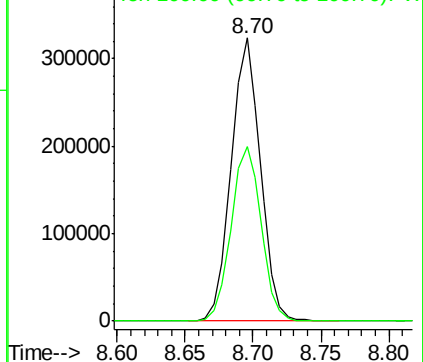
98 100

100 63.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#83

1,3-Dichlorobenzene

Concen: 0.233 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018590.D

Acq: 25 Sep 2020 10:46

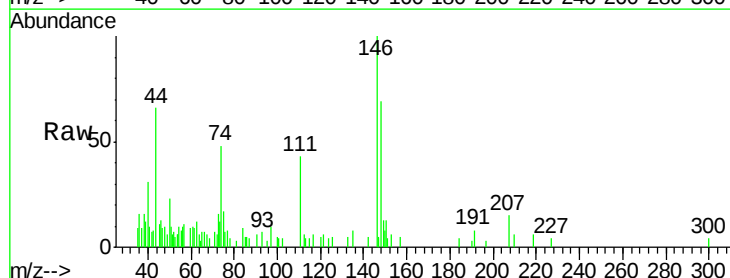
Tgt Ion: 146 Resp: 2430

Ion Ratio Lower Upper

146 100

111 49.5 20.0 59.9

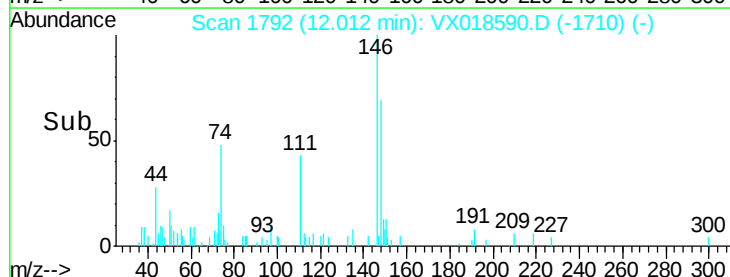
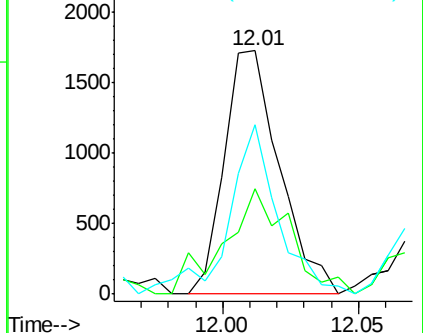
148 55.2 32.1 96.3

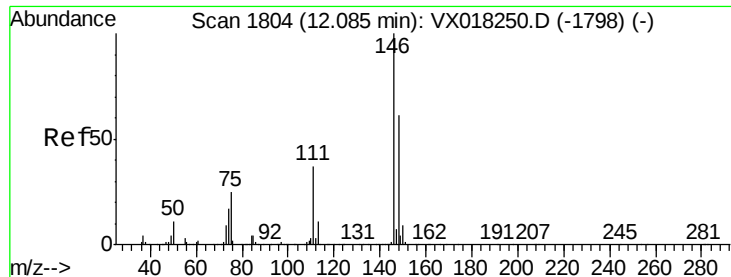


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

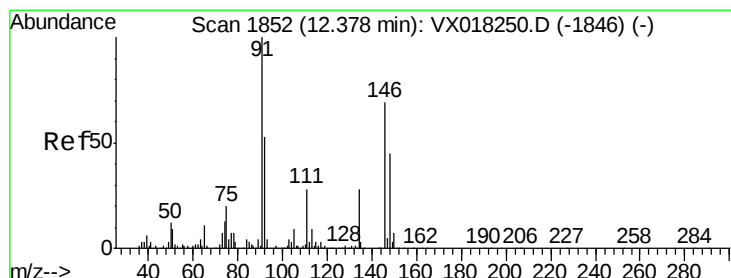
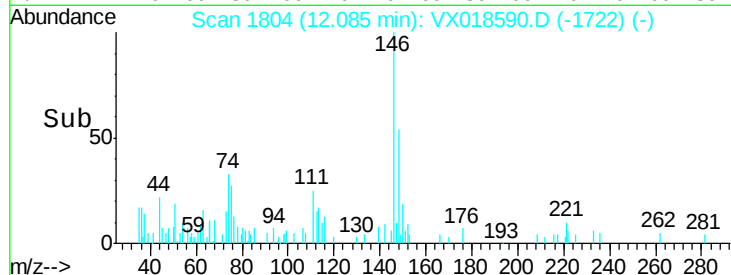
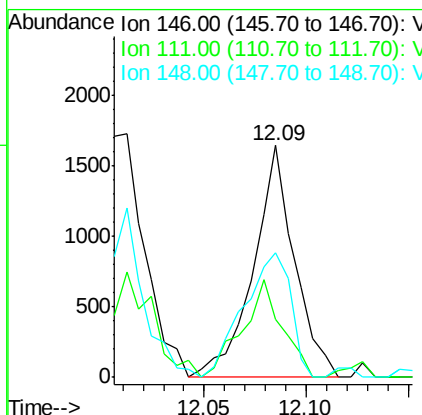
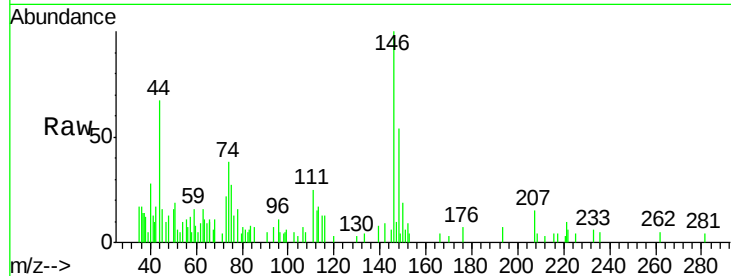




#84
 1,4-Dichlorobenzene
 Concen: 0.221 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX018590.D
 Acq: 25 Sep 2020 10:46

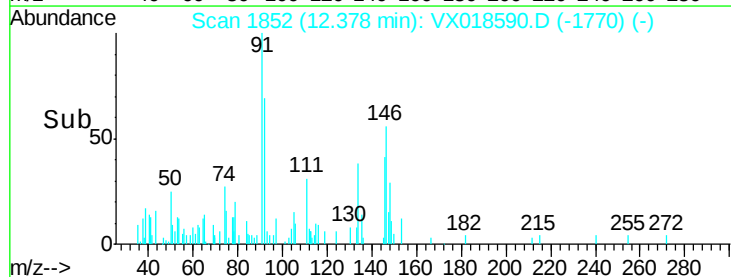
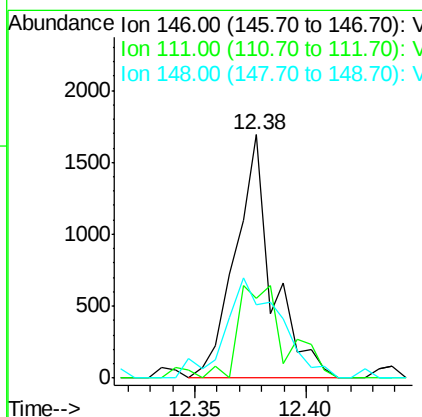
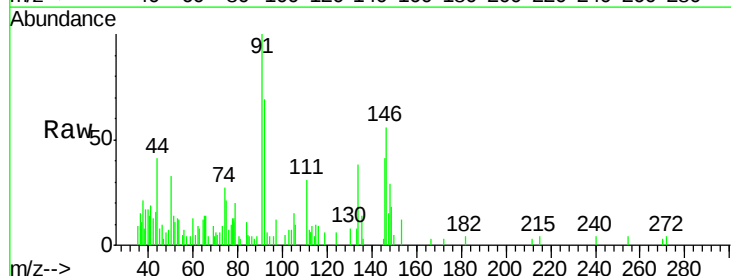
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBL01

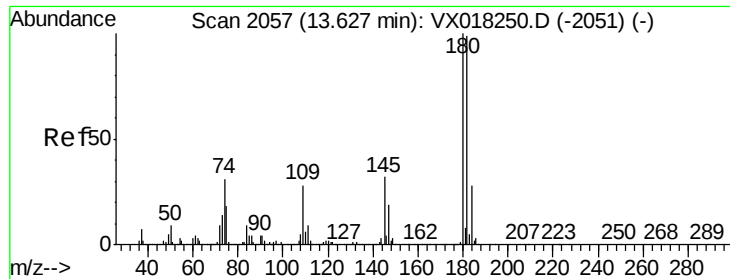
Tgt Ion:146 Resp: 2309
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.3 57.8
 148 61.1 31.7 95.1



#87
 1,2-Dichlorobenzene
 Concen: 0.201 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018590.D
 Acq: 25 Sep 2020 10:46

Tgt Ion:146 Resp: 1964
 Ion Ratio Lower Upper
 146 100
 111 36.2 21.4 64.3
 148 56.6 32.0 96.2

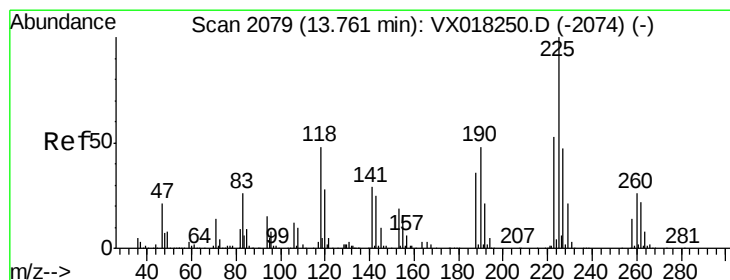
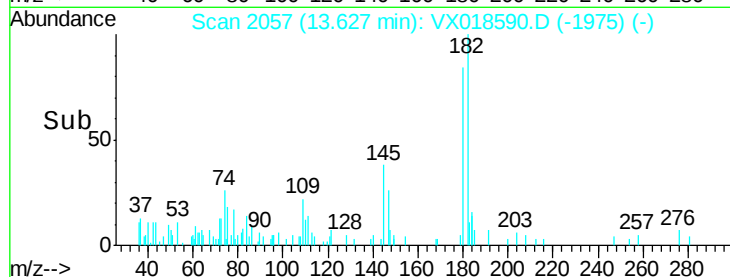
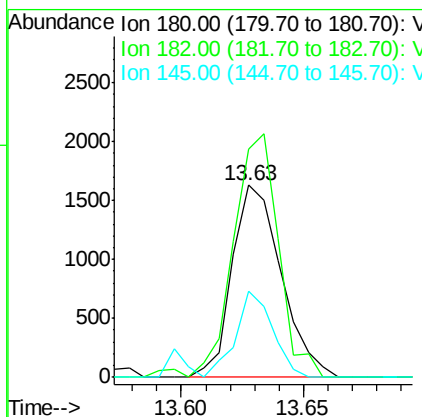
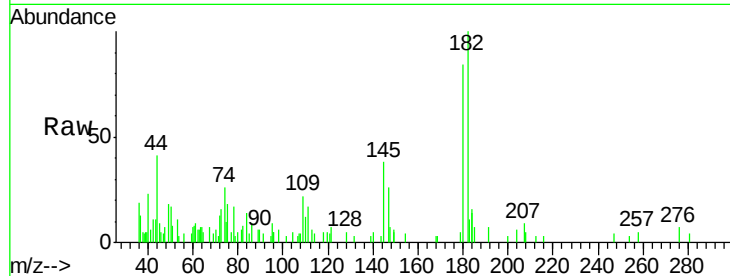




#89
 1,2,4-Trichlorobenzene
 Concen: 0.345 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018590.D
 Acq: 25 Sep 2020 10:46

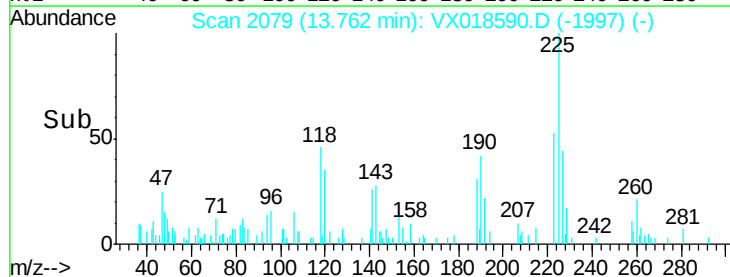
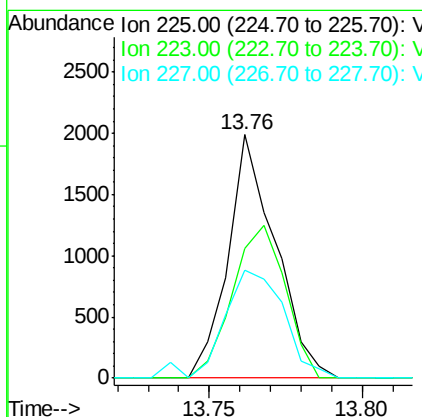
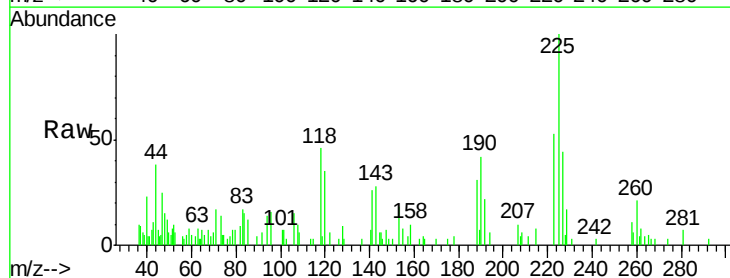
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBL01

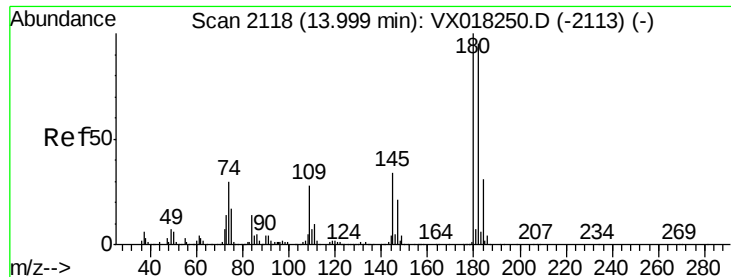
Tgt Ion	Ratio	Lower	Upper
180	100		
182	115.4	77.1	115.7
145	33.9	25.0	37.6



#90
 Hexachlorobutadiene
 Concen: 0.762 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX018590.D
 Acq: 25 Sep 2020 10:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.0	0.0	115.8
227	54.3	0.0	117.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.342 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018590.D
 Acq: 25 Sep 2020 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	191.6
145	33.3	0.0	67.4

