

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021420\
 Data File : VX014943.D
 Acq On : 14 Feb 2020 13:39
 Operator : JC/SP
 Sample : L1533-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 14 22:10:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	464105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	721321	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	683063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	356939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	261848	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	5.49	113	216657	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	853602	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	318443	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	

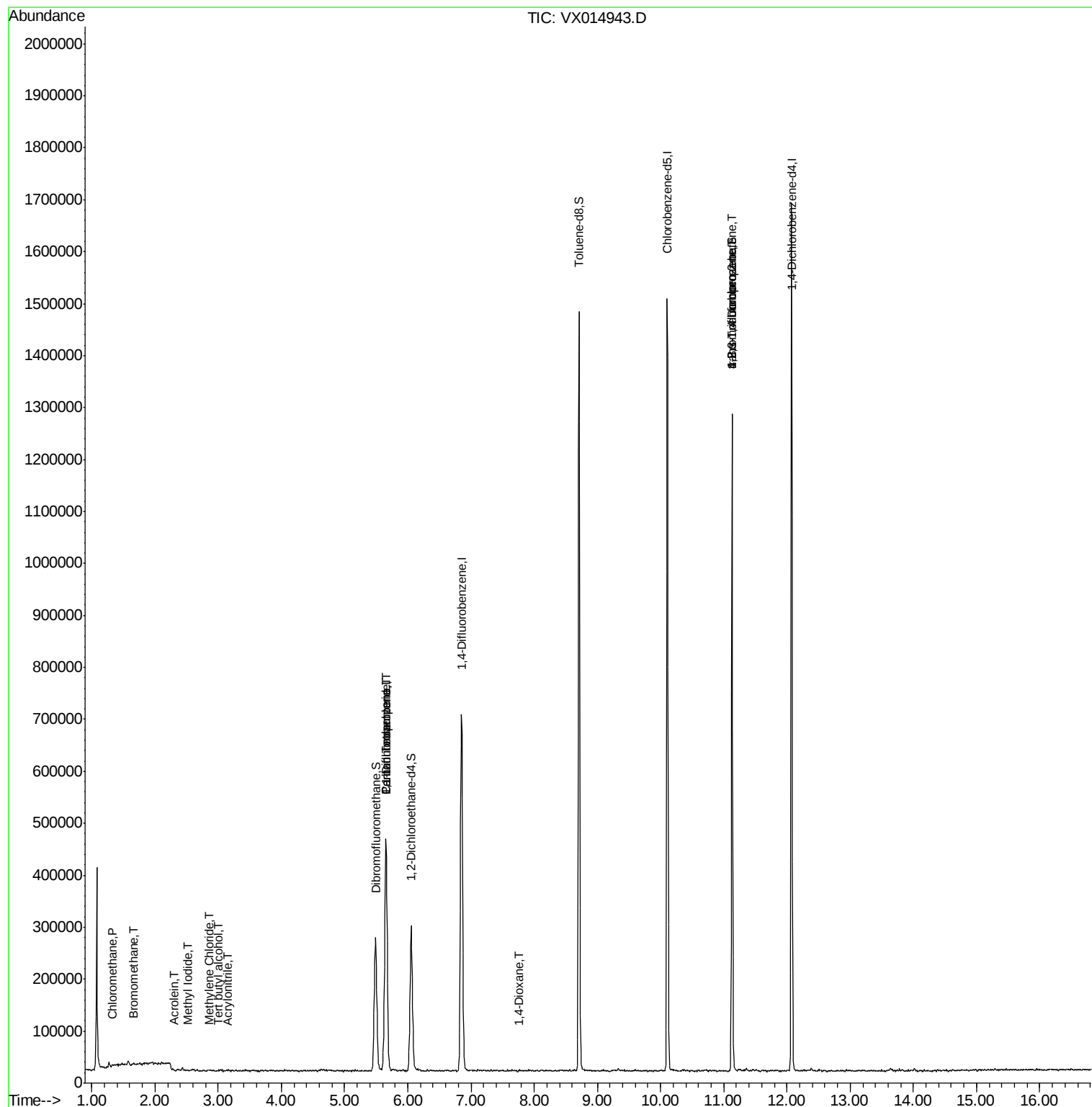
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1769	0.355	ug/l #	84
5) Bromomethane	1.66	94	1250	0.360	ug/l #	77
10) Methyl Iodide	2.51	142	2039	4.752	ug/l #	68
11) Tert butyl alcohol	3.01	59	1009	1.091	ug/l #	80
13) Acrolein	2.31	56	374	0.531	ug/l #	79
15) Acrylonitrile	3.14	53	680	0.290	ug/l #	31
16) Acetone	2.44	43	5602	Below Cal		95
20) Methylene Chloride	2.86	84	1717	0.341	ug/l #	71
36) 1,1-Dichloropropene	5.65	75	30110	4.666	ug/l #	52
38) Carbon Tetrachloride	5.65	117	40187	6.391	ug/l #	16
49) 1,4-Dioxane	7.75	88	423	4.141	ug/l #	73
76) 1,2,3-Trichloropropane	11.13	75	155401	24.076	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	155401	61.627	ug/l #	11

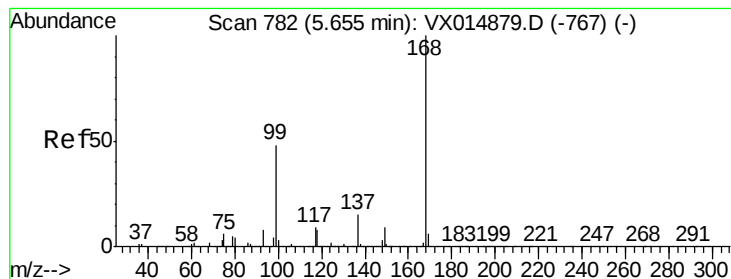
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

Instrument :

MSVOA_X

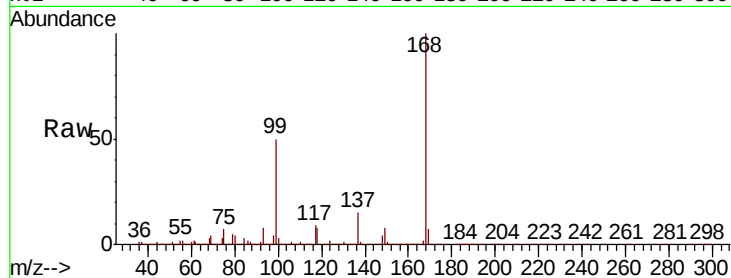
ClientSampleId :

Tot Ion:168 Resp: 464105

Ion Ratio Lower Upper

168 100

99 50.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

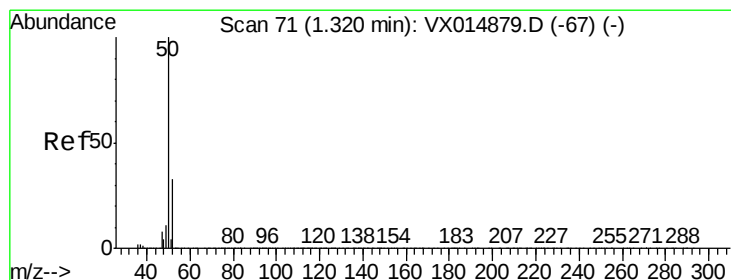
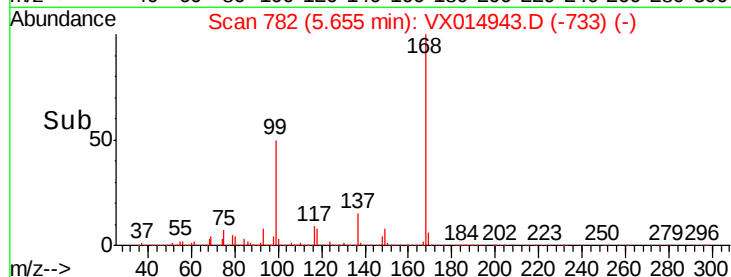
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.355 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014943.D

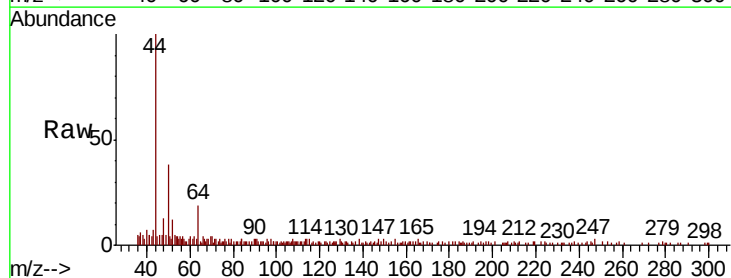
Acq: 14 Feb 2020 13:39

Tgt Ion: 50 Resp: 1769

Ion Ratio Lower Upper

50 100

52 23.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

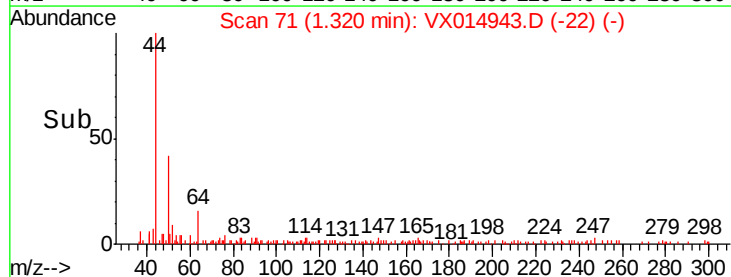
1500

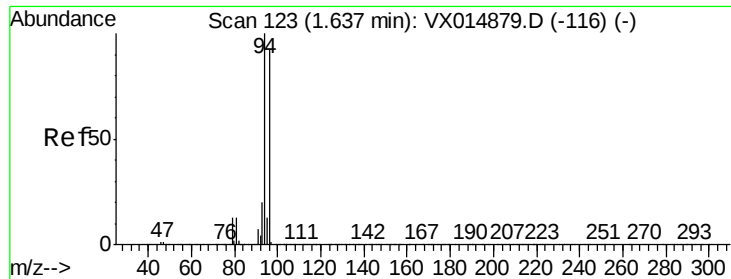
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.360 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

Instrument :

MSVOA_X

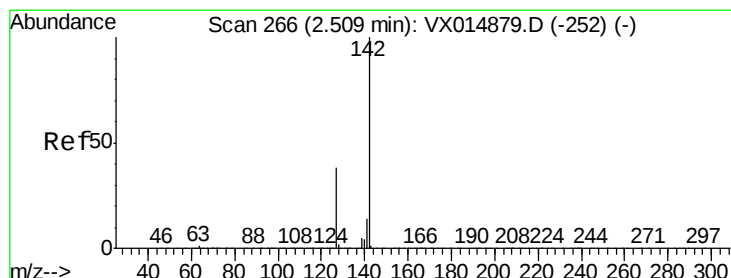
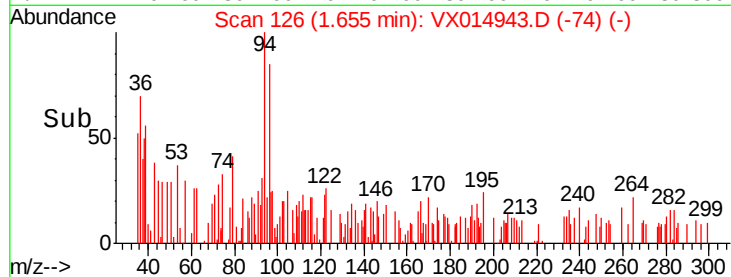
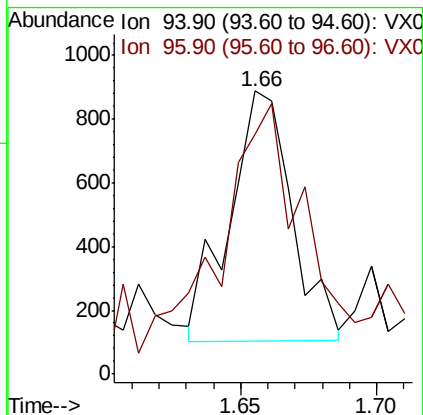
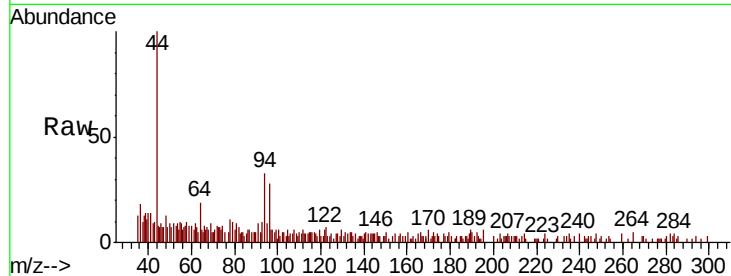
ClientSampled :

Tot Ion: 94 Resp: 1250

Ion Ratio Lower Upper

94 100

96 70.1 73.7 110.5#



#10

Methyl Iodide

Concen: 4.752 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

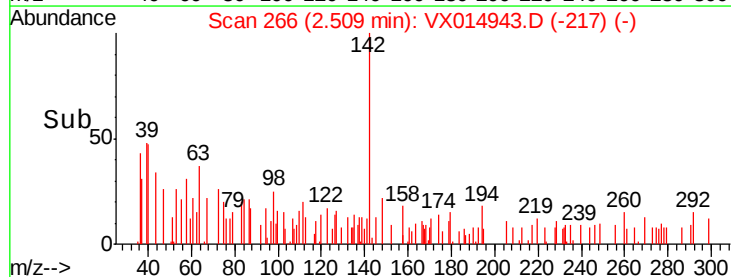
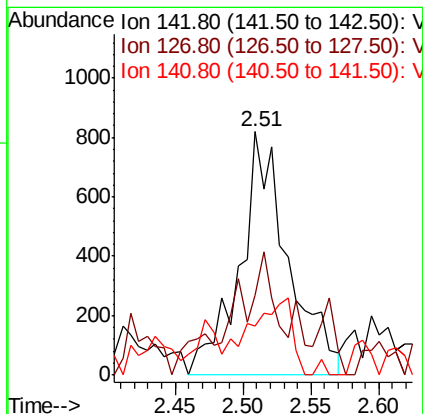
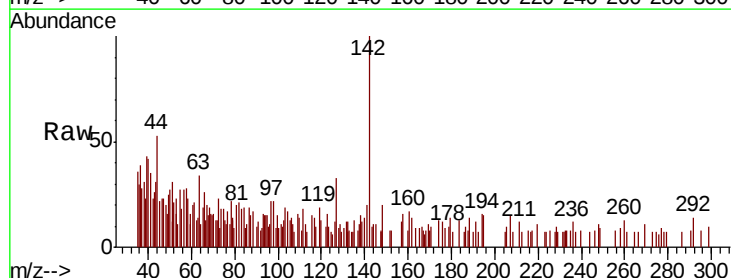
Tgt Ion: 142 Resp: 2039

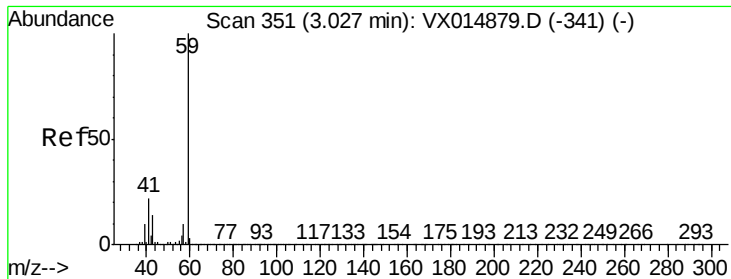
Ion Ratio Lower Upper

142 100

127 19.7 31.1 46.7#

141 0.0 11.3 16.9#

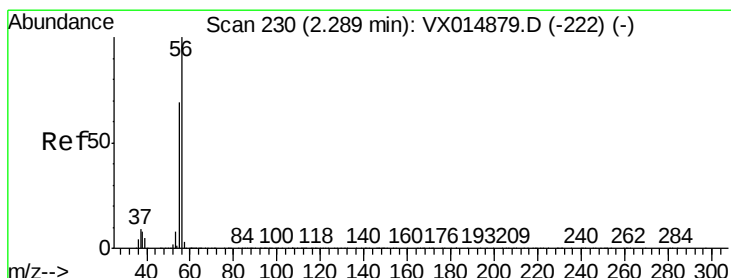
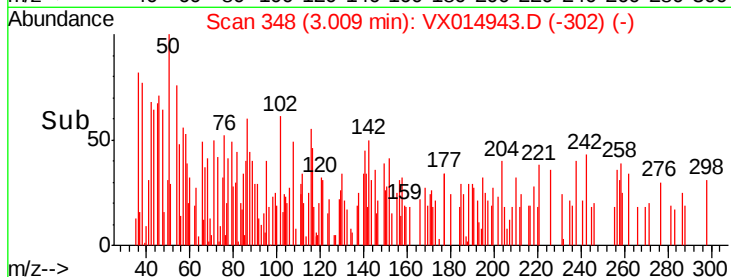
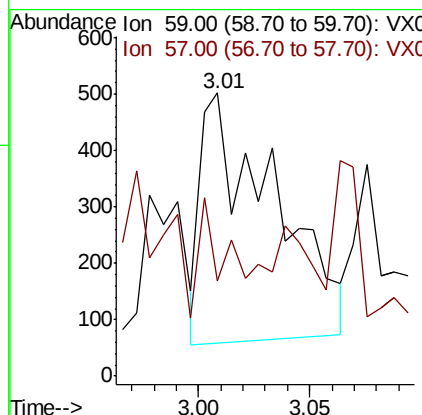
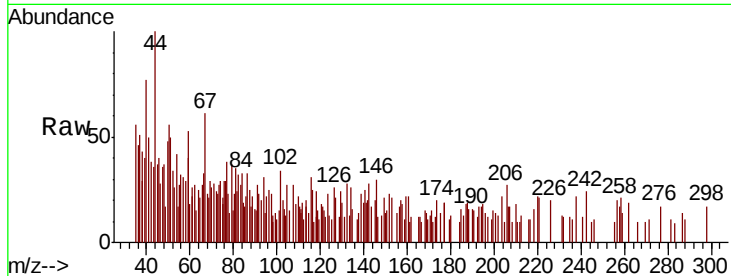




#11
Tert butyl alcohol
Concen: 1.091 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014943.D
Acq: 14 Feb 2020 13:39

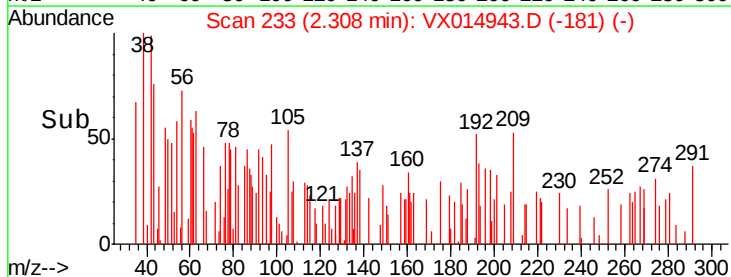
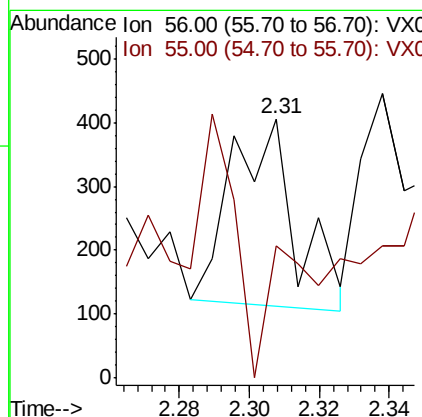
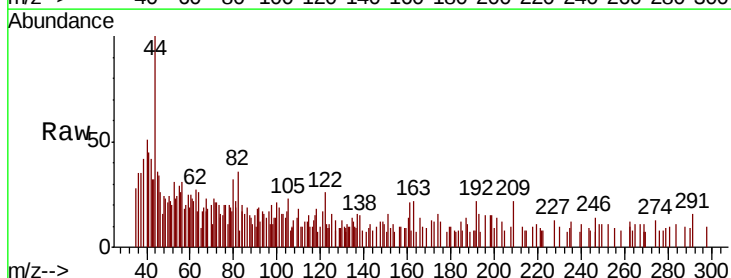
Instrument :
MSVOA_X
ClientSampled :

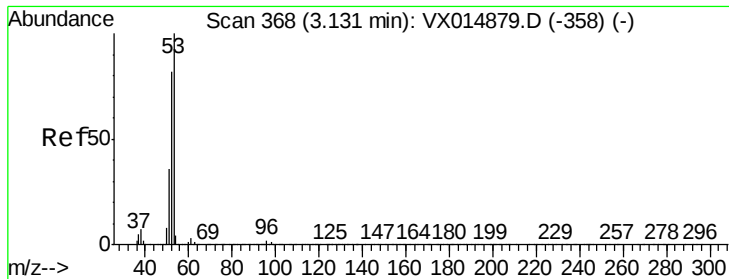
Tot Ion: 59 Resp: 1009
Ion Ratio Lower Upper
59 100
57 17.8 8.2 12.4#



#13
Acrolein
Concen: 0.531 ug/l
RT: 2.31 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX014943.D
Acq: 14 Feb 2020 13:39

Tgt Ion: 56 Resp: 374
Ion Ratio Lower Upper
56 100
55 51.9 55.0 82.4#





#15

Acrylonitrile

Concen: 0.290 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

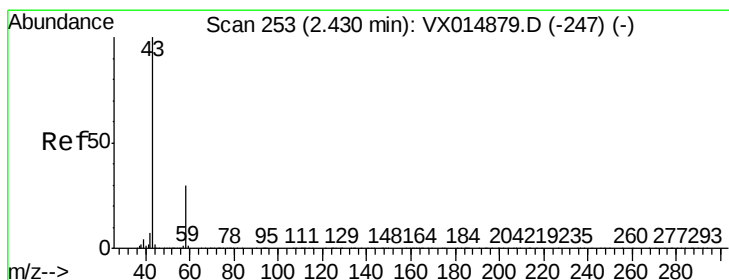
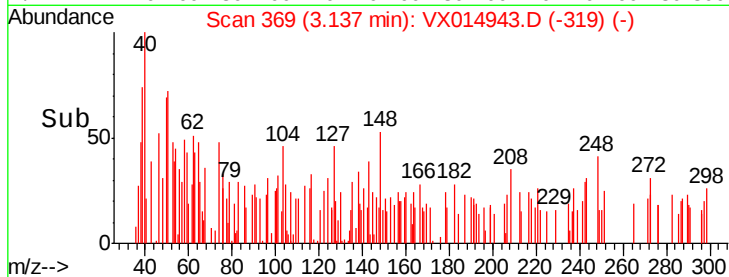
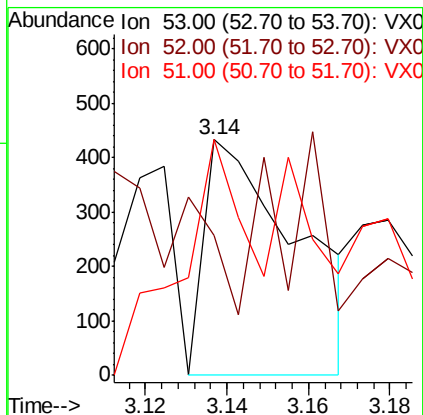
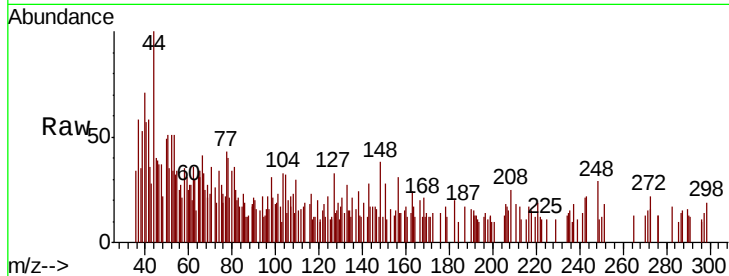
Tot Ion: 53 Resp: 680

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

51 26.0 29.1 43.7#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014943.D

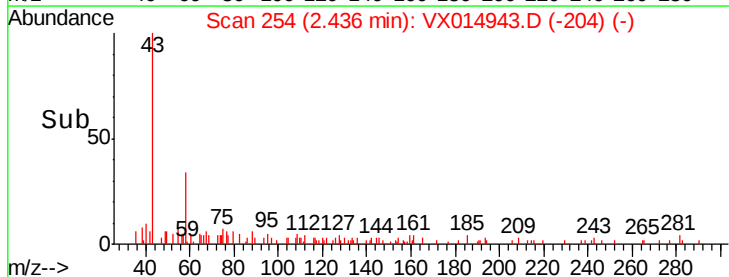
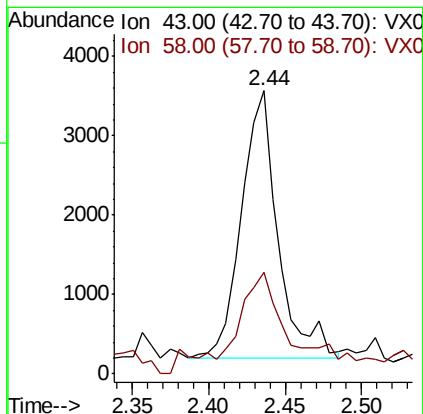
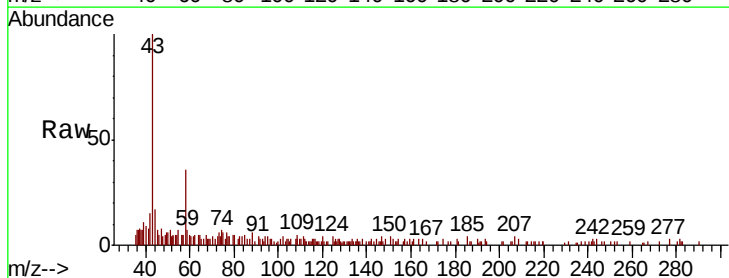
Acq: 14 Feb 2020 13:39

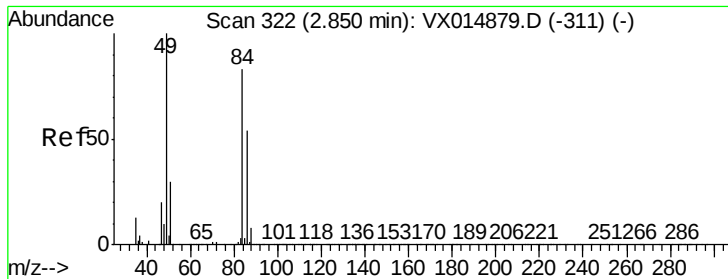
Tgt Ion: 43 Resp: 5602

Ion Ratio Lower Upper

43 100

58 32.9 24.1 36.1

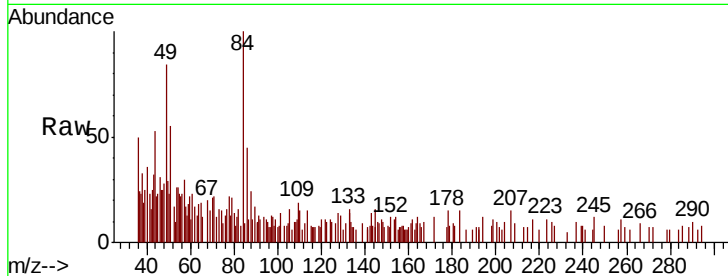




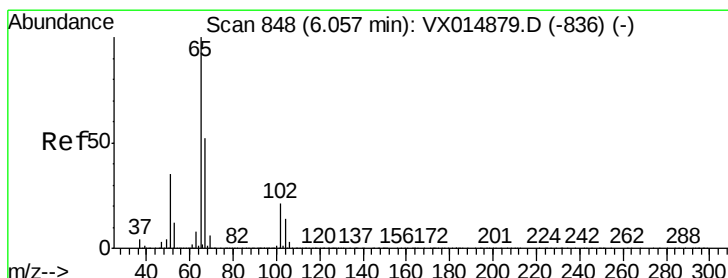
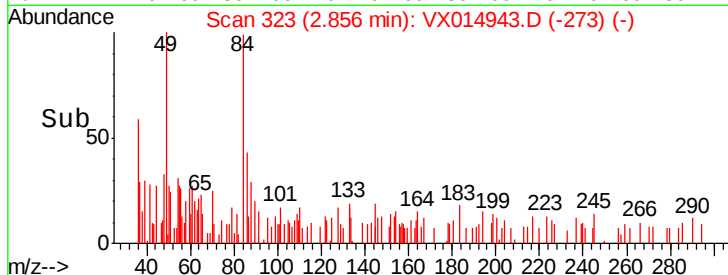
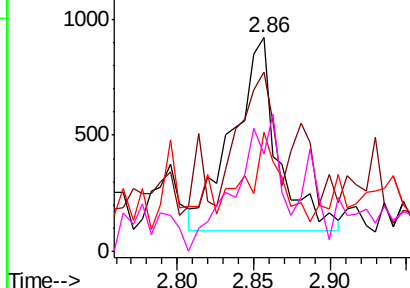
#20
Methvlene Chloride
Concen: 0.341 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014943.D
Acq: 14 Feb 2020 13:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	1717
Ion	Ratio	Lower	Upper
84	100		
49	73.7	95.6	143.4#
51	28.6	29.0	43.6#
86	53.0	51.4	77.0

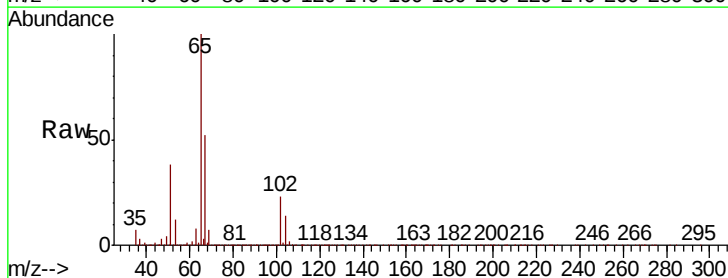


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

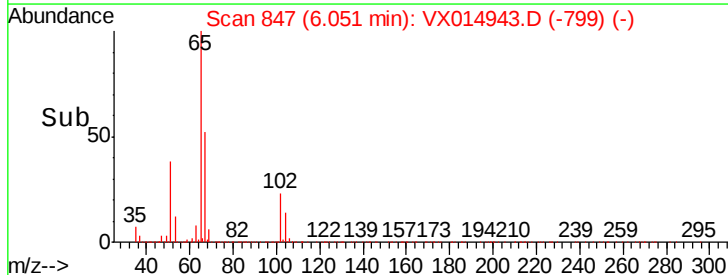
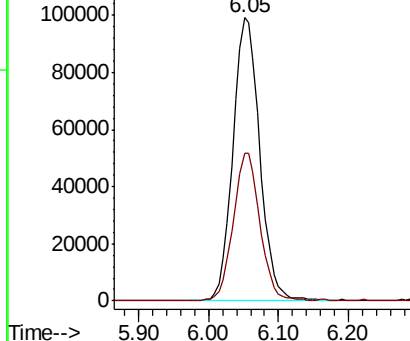


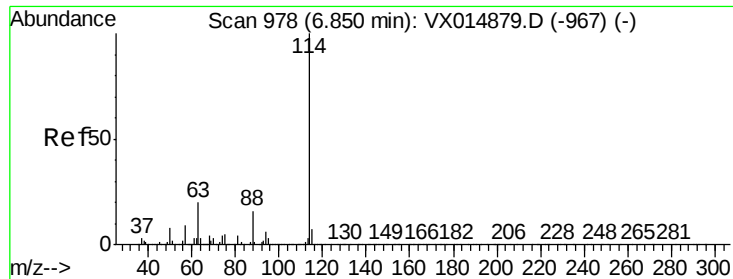
#33
1,2-Dichloroethane-d4
Concen: 49.992 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX014943.D
Acq: 14 Feb 2020 13:39

Tgt Ion:	65	Resp:	261848
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

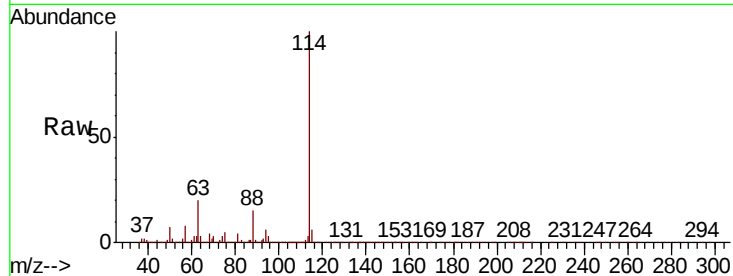
Tot Ion:114 Resp: 721321

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

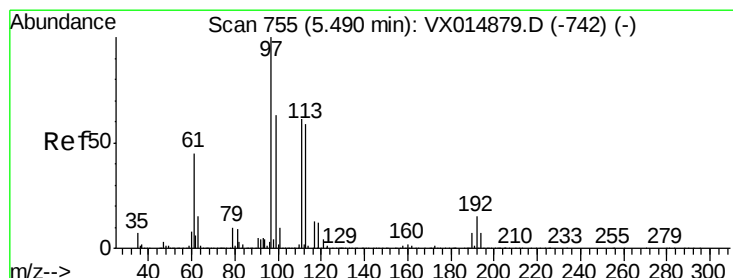
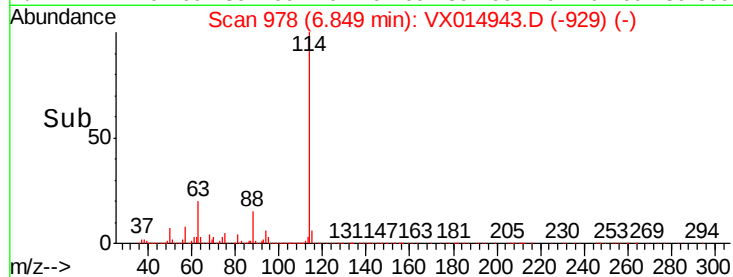
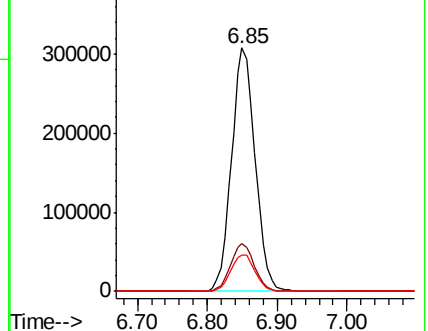
88 15.0 0.0 32.0



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: 48.857 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

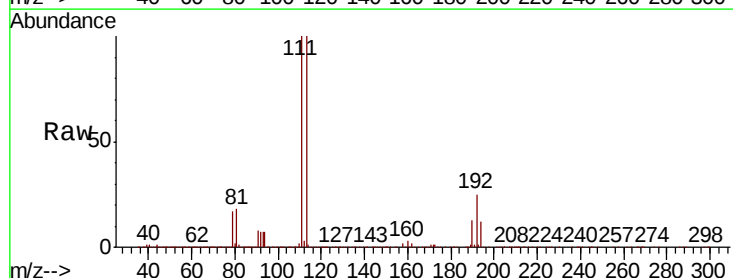
Tgt Ion:113 Resp: 216657

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

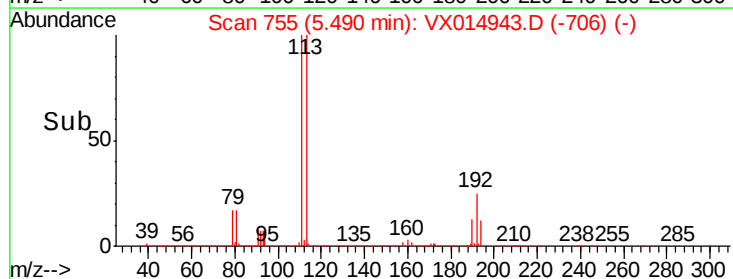
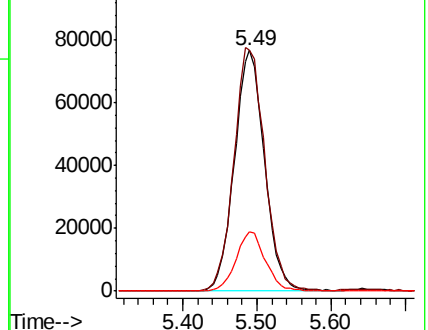
192 24.3 19.1 28.7

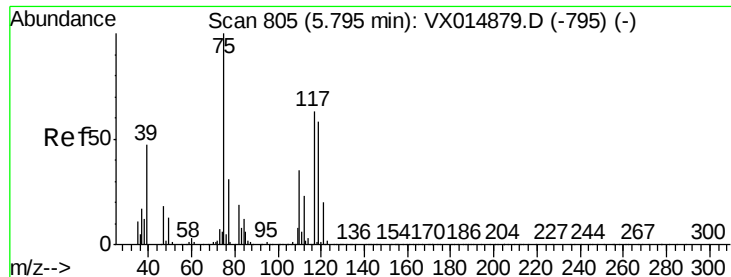


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

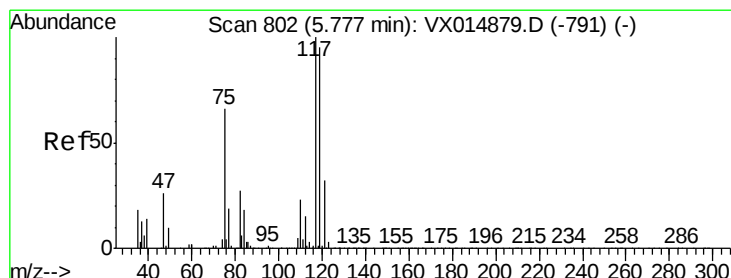
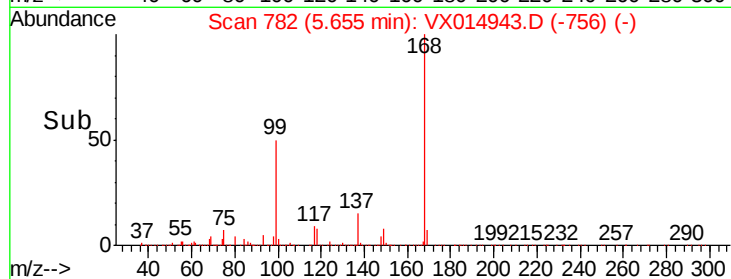
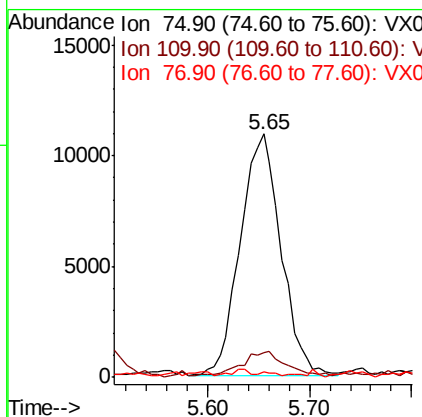
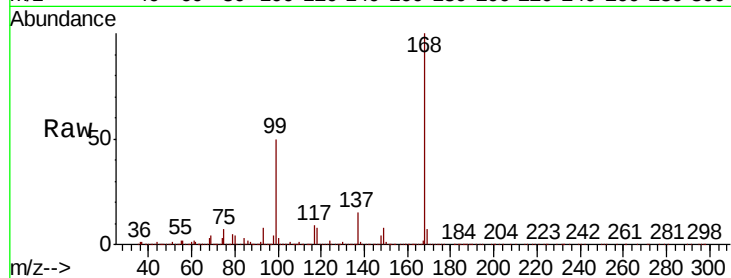




#36
 1,1-Dichloropropene
 Concen: 4.666 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014943.D
 Acq: 14 Feb 2020 13:39

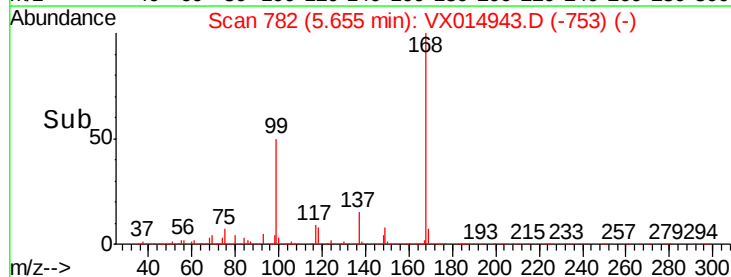
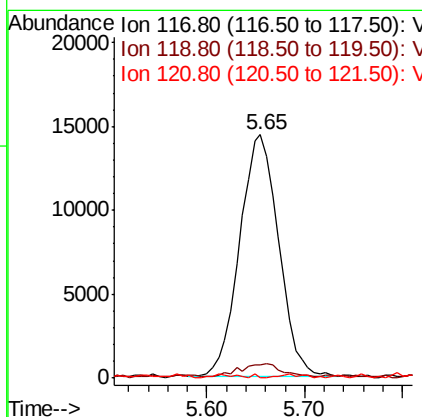
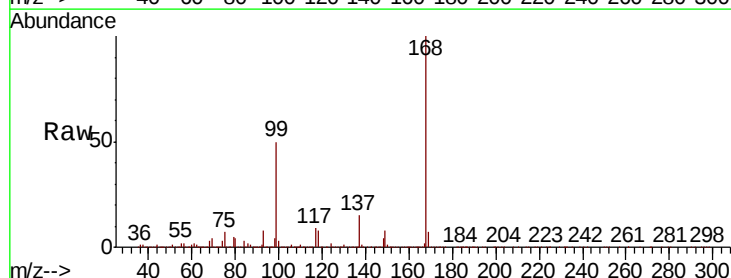
Instrument :
 MSVOA_X
 ClientSampleId :

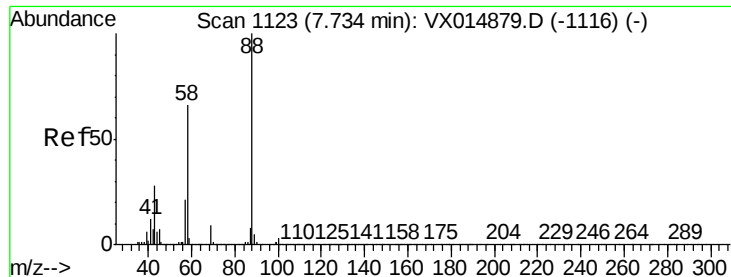
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.3	54.8#
77	0.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.391 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014943.D
 Acq: 14 Feb 2020 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.0	114.0#
121	0.0	25.4	38.2#





#49

1,4-Dioxane

Concen: 4.141 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

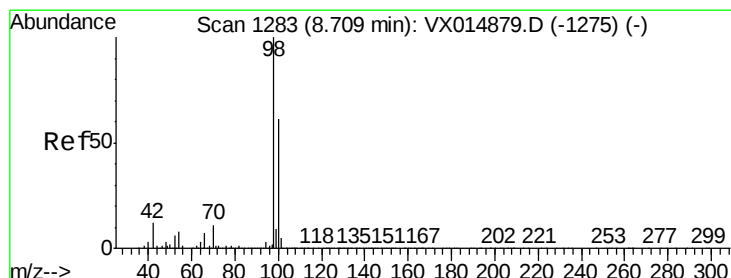
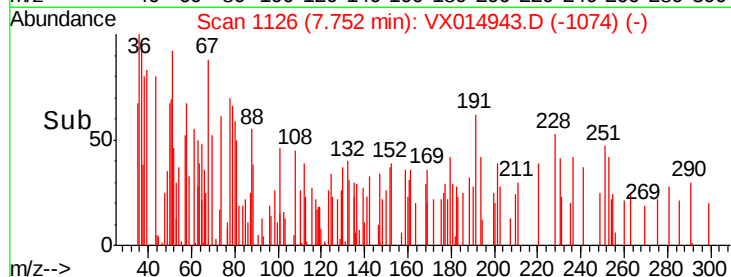
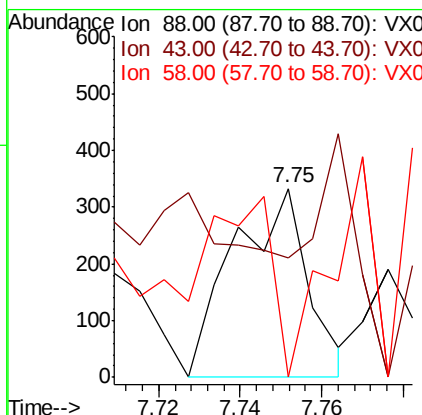
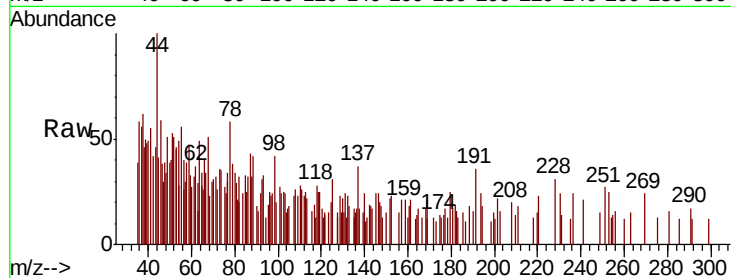
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 88 Resp: 423

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.4#
58	75.2	53.2	79.8



#50

Toluene-d8

Concen: 50.429 ug/l

RT: 8.71 min Scan# 1283

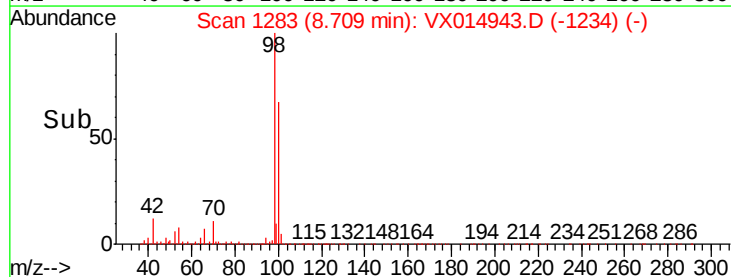
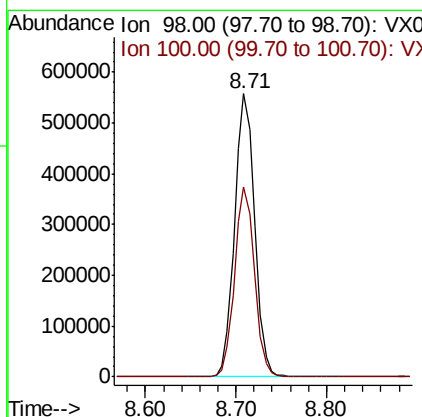
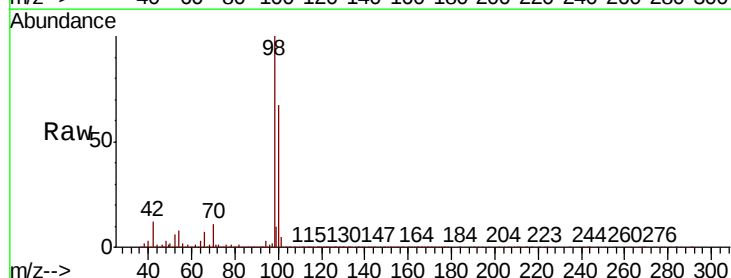
Delta R.T. -0.00 min

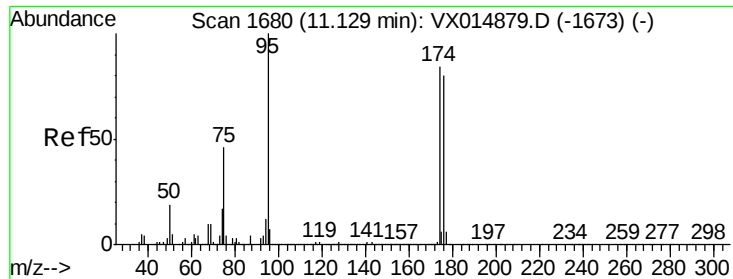
Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

Tgt Ion: 98 Resp: 853602

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.4	78.6

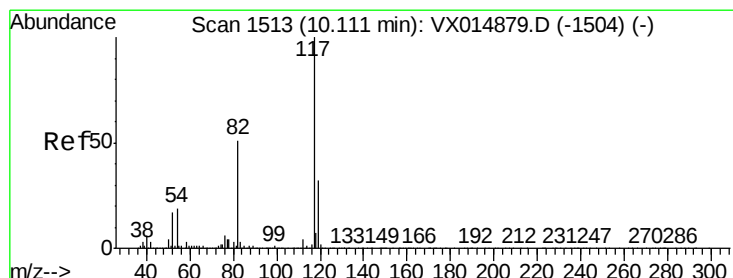
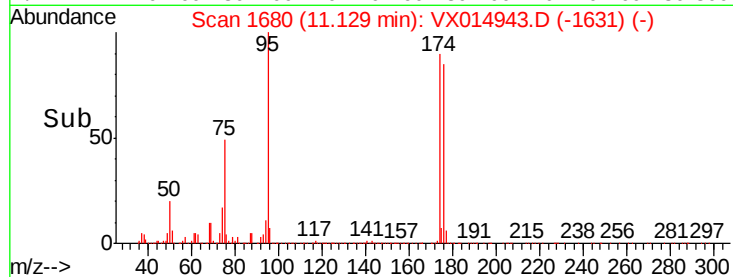
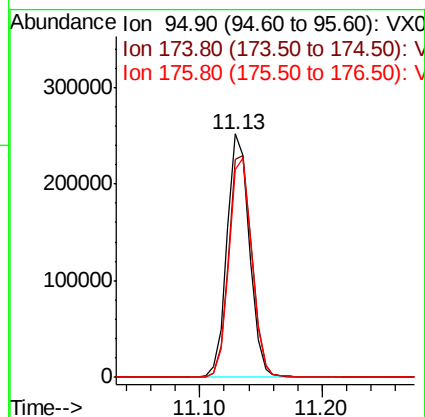
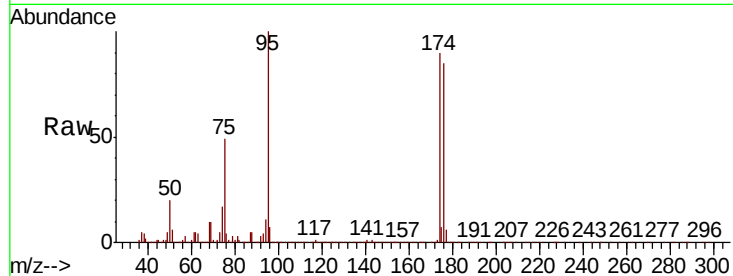




#62
4-Bromofluorobenzene
Concen: 52.224 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014943.D
Acq: 14 Feb 2020 13:39

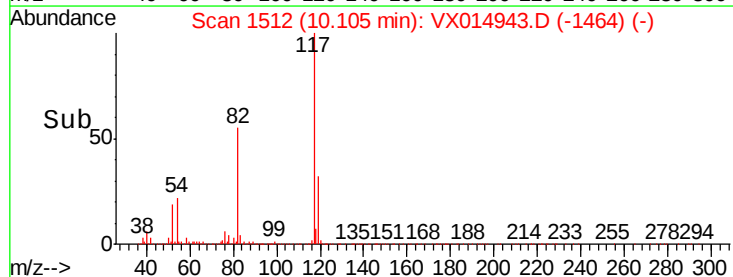
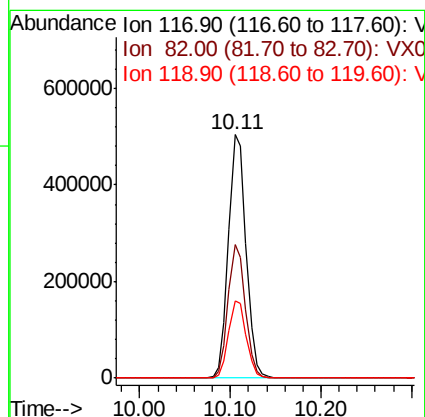
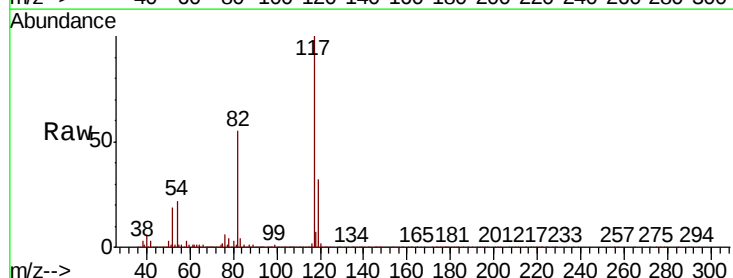
Instrument :
MSVOA_X
ClientSampleId :

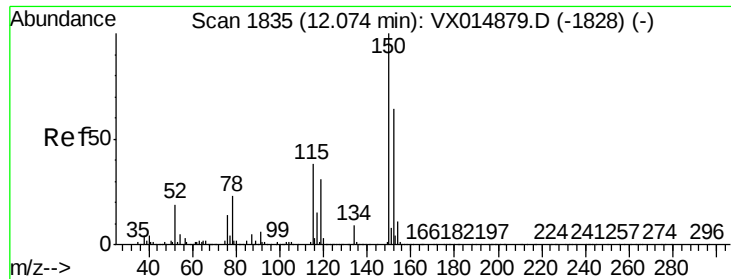
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	183.0
176	91.5	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014943.D
Acq: 14 Feb 2020 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	40.5	60.7
119	31.8	25.8	38.6

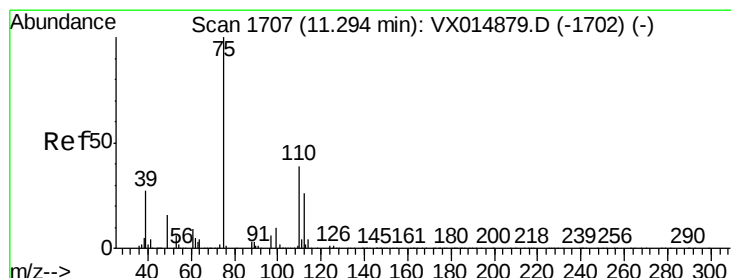
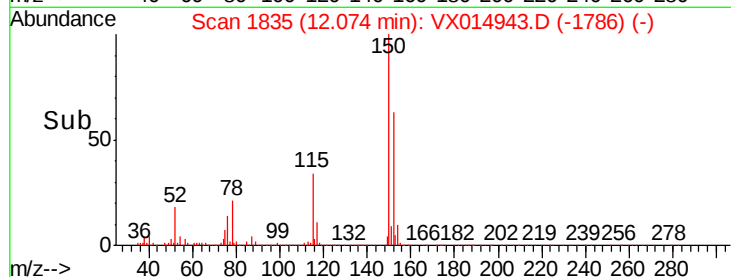
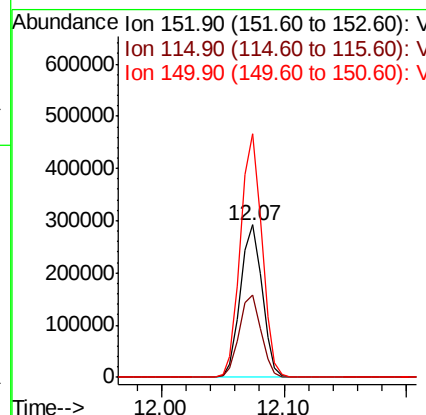
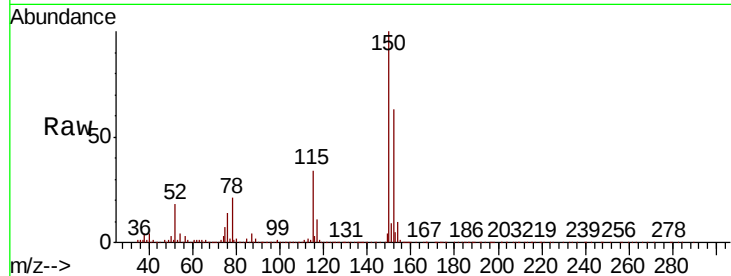




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014943.D
 Acq: 14 Feb 2020 13:39

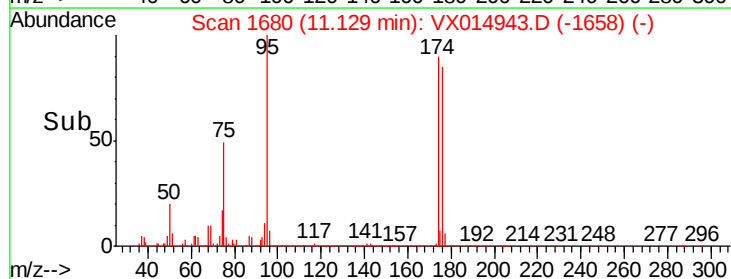
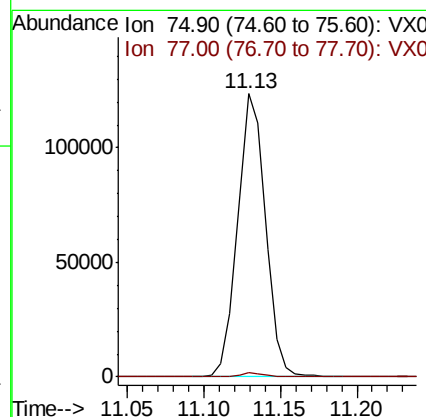
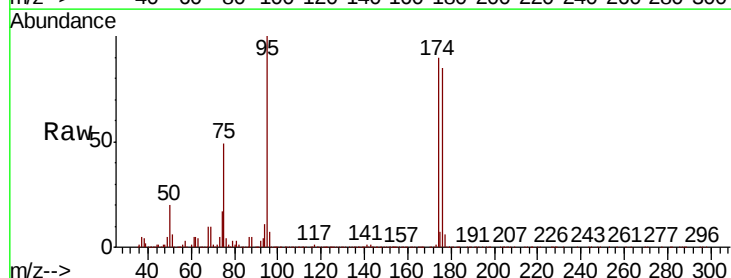
Instrument :
 MSVOA_X
 ClientSampleId :

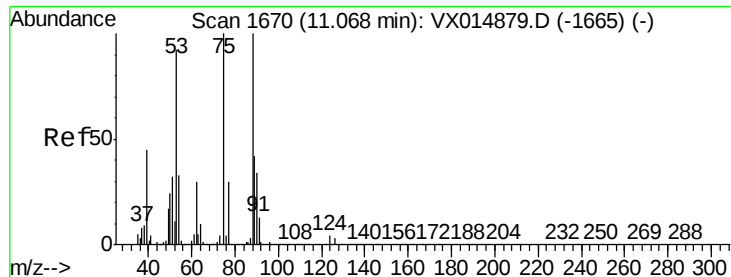
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.6	116.0
150	157.7	0.0	349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.076 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014943.D
 Acq: 14 Feb 2020 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.4	55.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.627 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014943.D

Acq: 14 Feb 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

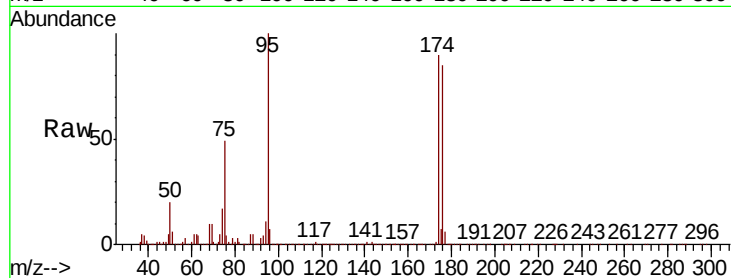
Tot Ion: 75 Resp: 155401

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 35.8 53.6#



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

