

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021020\
 Data File : VX014897.D
 Acq On : 10 Feb 2020 18:46
 Operator : JC/SP
 Sample : L1481-01
 Misc : 2.97µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11931

Quant Time: Feb 11 06:48:40 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	432070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	673689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	638932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	361441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	241842	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	5.50	113	195241	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	8.71	98	804355	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.14	95	310975	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	

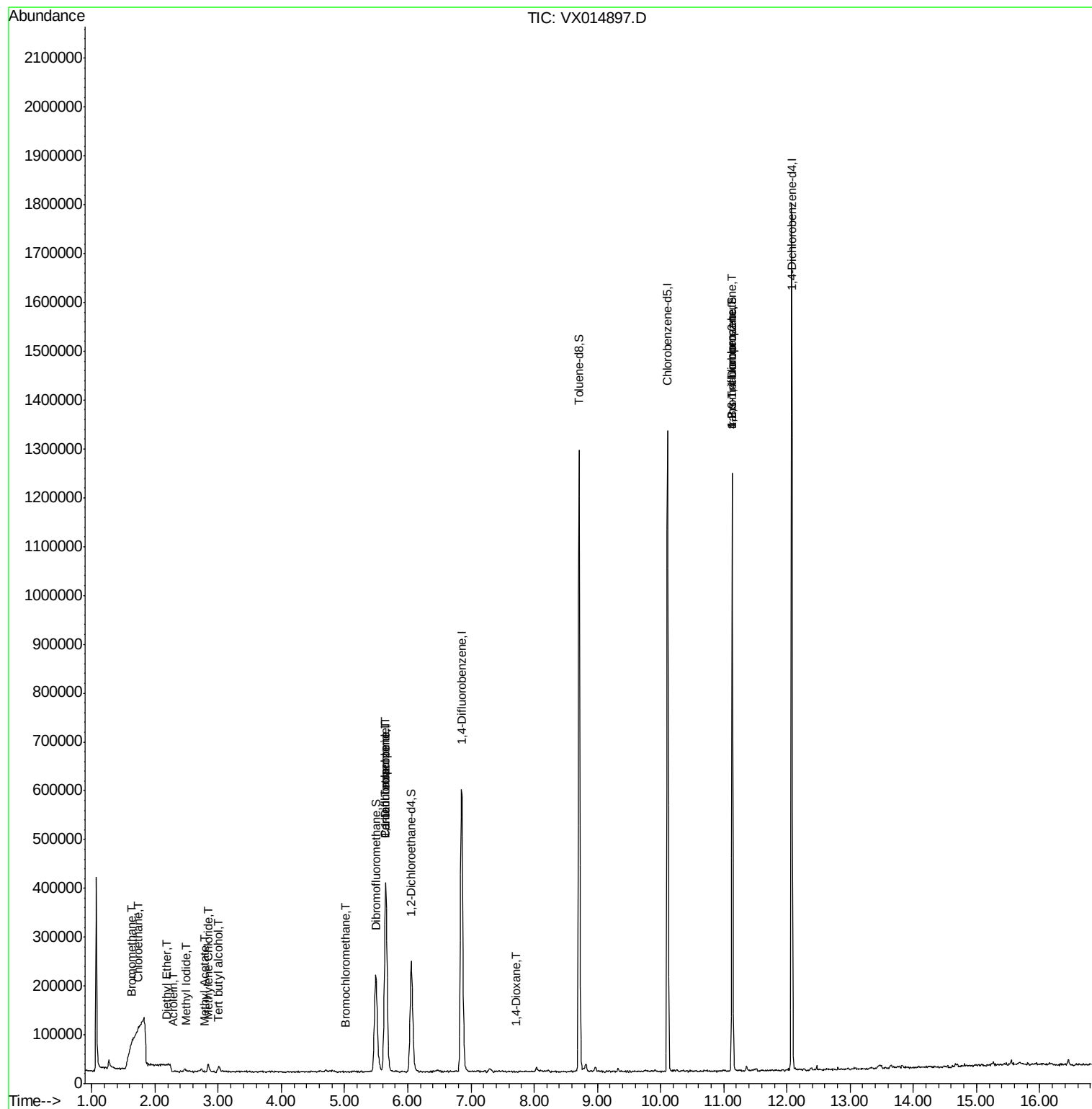
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	2740	0.847	ug/l	83
6) Chloroethane	1.73	64	1016	0.318	ug/l #	64
8) Diethyl Ether	2.19	74	1082	0.374	ug/l	94
10) Methyl Iodide	2.49	142	1634	4.699	ug/l #	65
11) Tert butyl alcohol	3.00	59	8248	9.580	ug/l	97
13) Acrolein	2.29	56	393	0.599	ug/l #	71
16) Acetone	2.47	43	7959	Below Cal	#	86
18) Methyl Acetate	2.78	43	1831	0.373	ug/l #	83
20) Methylene Chloride	2.84	84	9490	2.023	ug/l #	84
28) Bromochloromethane	5.03	49	656	0.224	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	29513	4.897	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36397	6.197	ug/l #	16
49) 1,4-Dioxane	7.72	88	605	6.341	ug/l #	83
76) 1,2,3-Trichloropropane	11.14	75	154681	23.666	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	154681	60.578	ug/l #	11

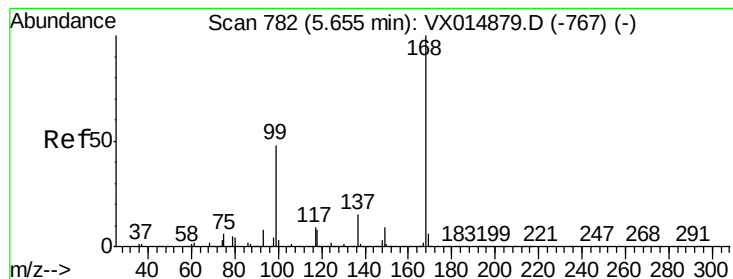
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014897.D

Acq: 10 Feb 2020 18:46

Instrument :

MSVOA_X

ClientSampleId :

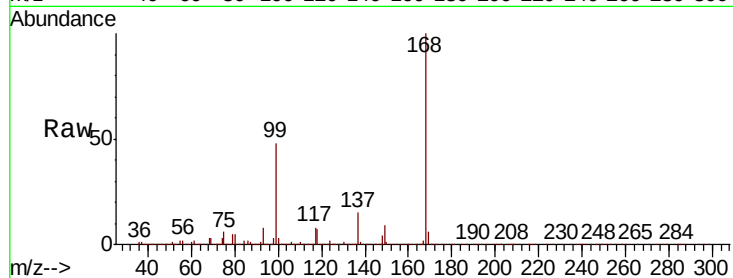
72-11931

Tot Ion:168 Resp: 432070

Ion Ratio Lower Upper

168 100

99 48.2 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

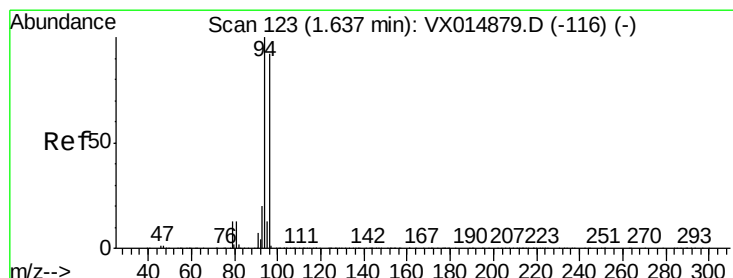
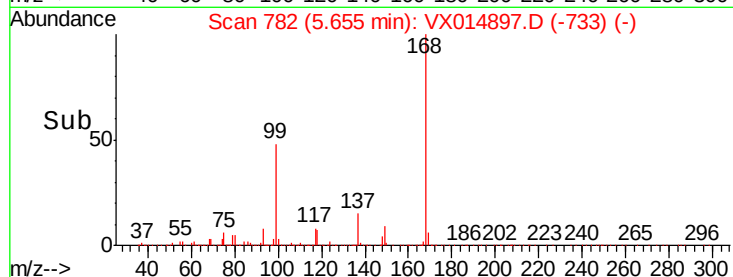
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.847 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX014897.D

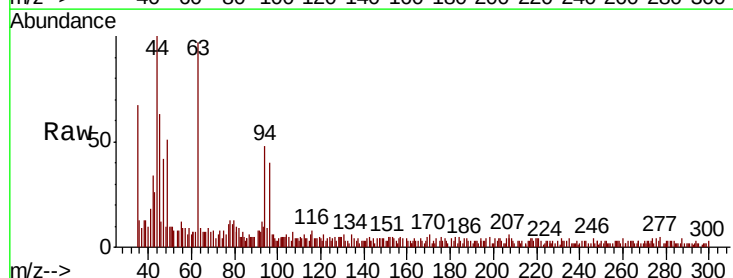
Acq: 10 Feb 2020 18:46

Tgt Ion: 94 Resp: 2740

Ion Ratio Lower Upper

94 100

96 75.6 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

2500

2000

1500

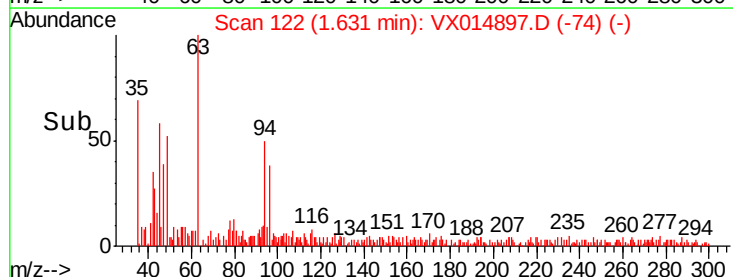
1000

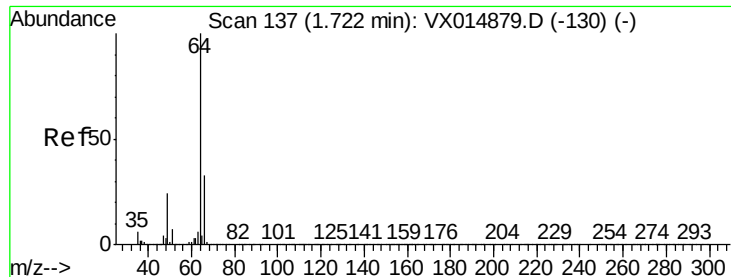
500

0

1.60 1.65

Time-->





#6

Chloroethane

Concen: 0.318 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.01 min

Lab File: VX014897.D

Acq: 10 Feb 2020 18:46

Instrument :

MSVOA_X

ClientSampleId :

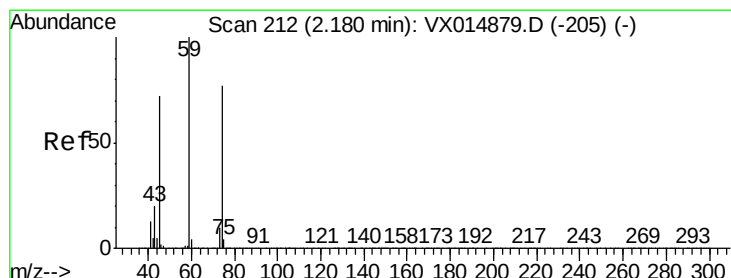
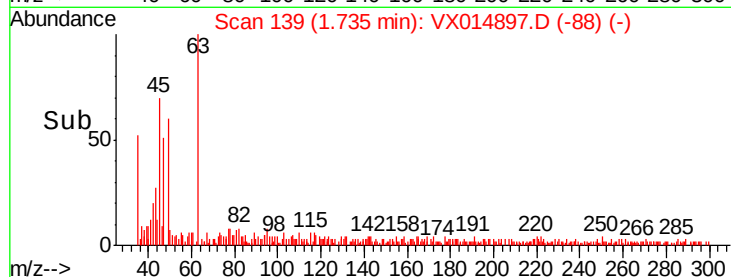
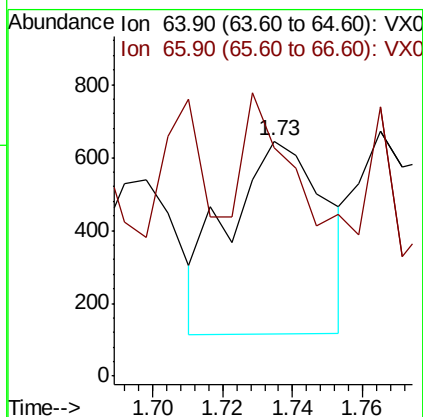
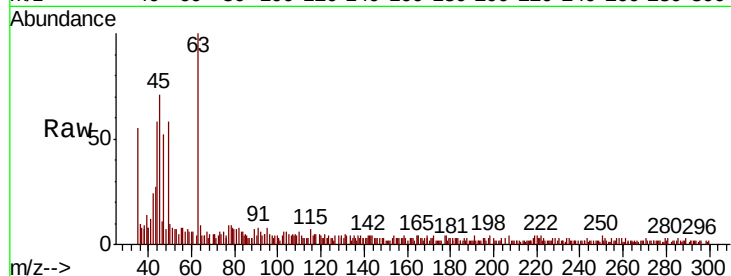
72-11931

Tot Ion: 64 Resp: 1016

Ion Ratio Lower Upper

64 100

66 53.4 26.2 39.4#



#8

Diethyl Ether

Concen: 0.374 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX014897.D

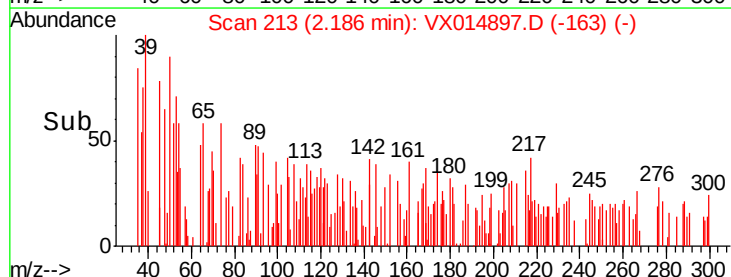
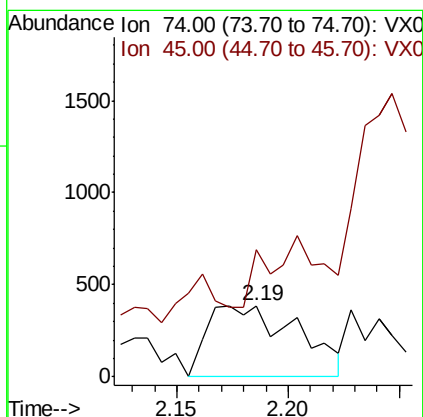
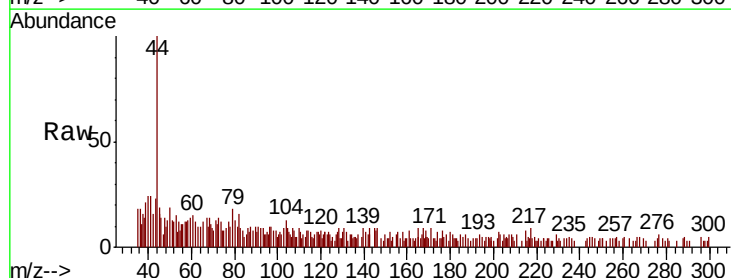
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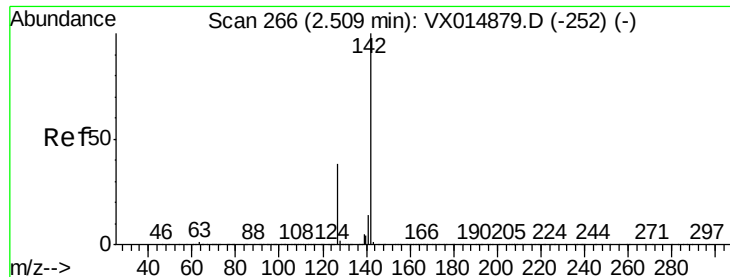
Tgt Ion: 74 Resp: 1082

Ion Ratio Lower Upper

74 100

45 87.7 46.6 139.8

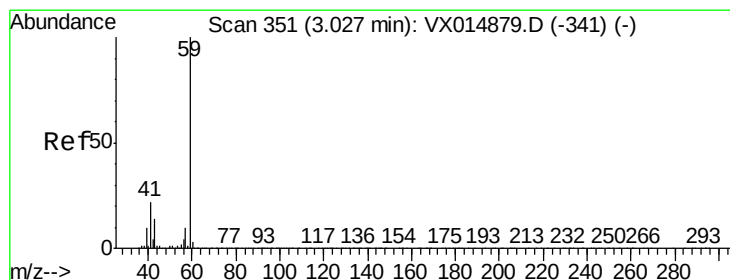
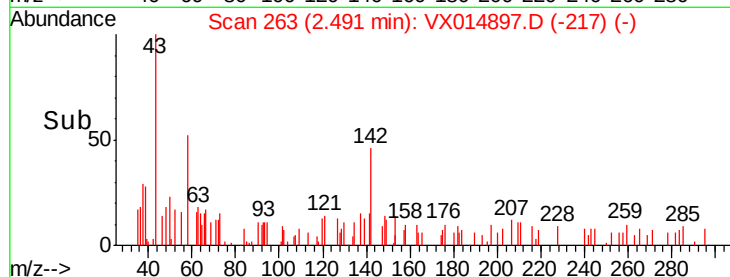
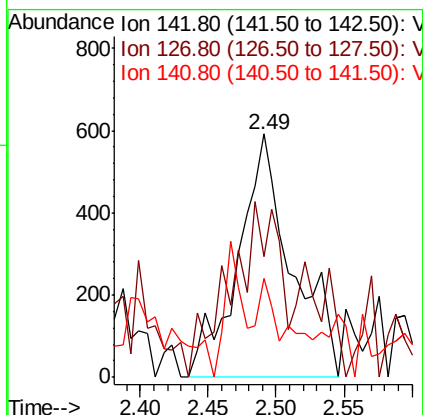
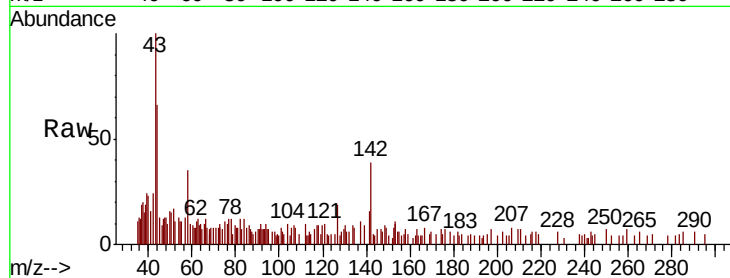




#10
Methvl Iodide
Concen: 4.699 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.02 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

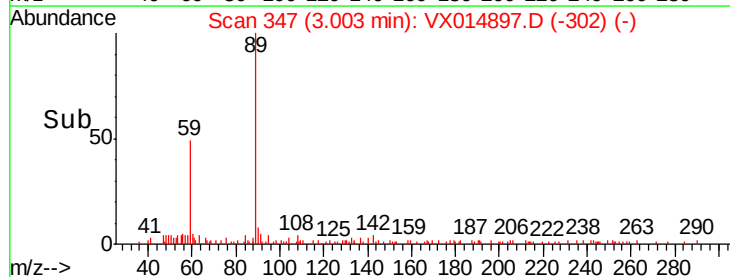
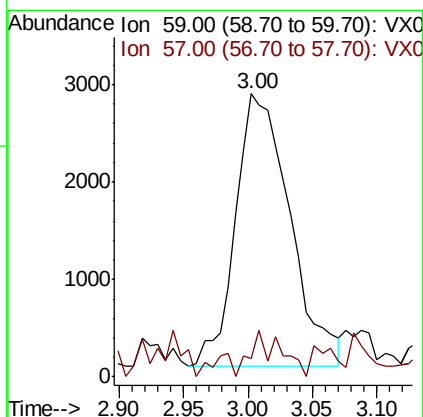
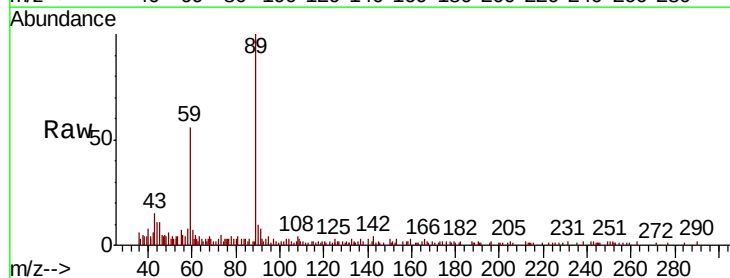
Instrument :
MSVOA_X
ClientSampleId :
72-11931

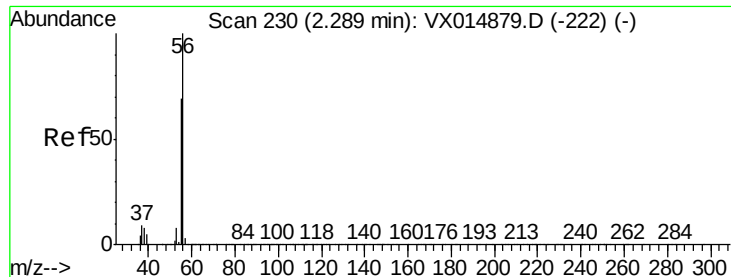
Tot Ion:142 Resp: 1634
Ion Ratio Lower Upper
142 100
127 64.7 31.1 46.7#
141 8.1 11.3 16.9#



#11
Tert butyl alcohol
Concen: 9.580 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

Tgt Ion: 59 Resp: 8248
Ion Ratio Lower Upper
59 100
57 9.1 8.2 12.4





#13

Acrolein

Concen: 0.599 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX014897.D

Acq: 10 Feb 2020 18:46

Instrument :

MSVOA_X

ClientSampleId :

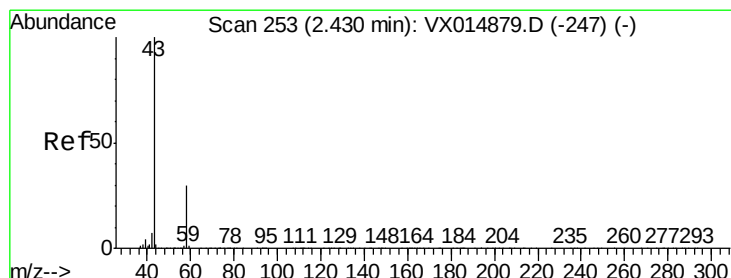
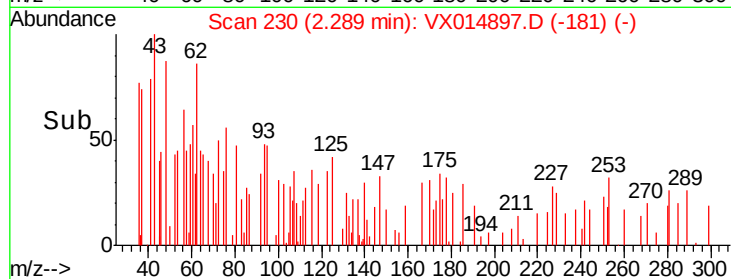
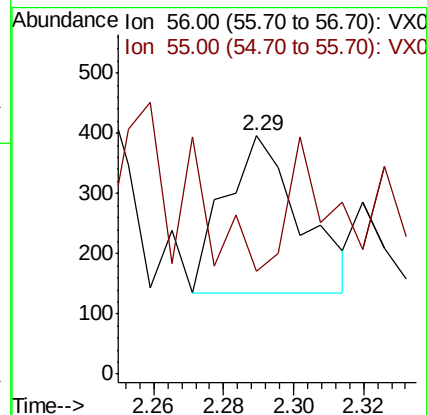
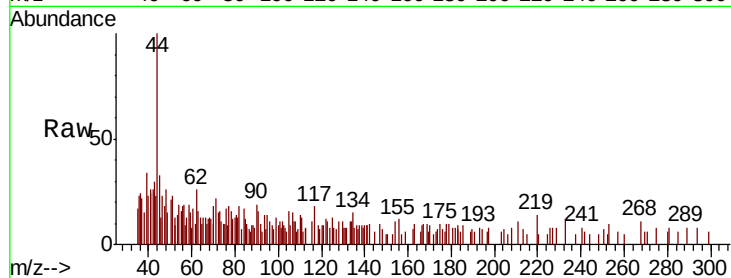
72-11931

Tot Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 45.0 55.0 82.4#



#16

Acetone

Concen: Below Cal

RT: 2.47 min Scan# 259

Delta R.T. 0.04 min

Lab File: VX014897.D

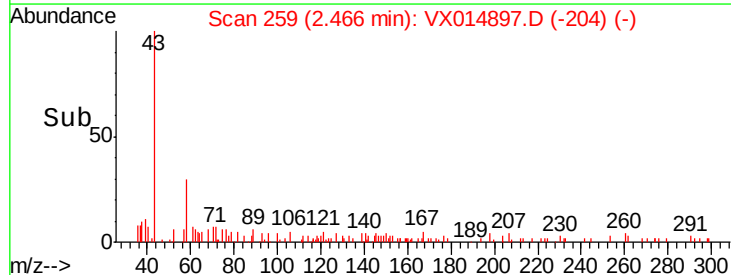
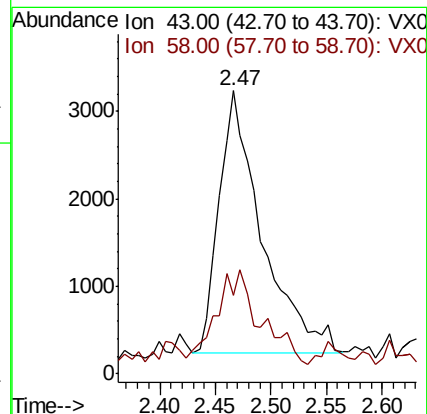
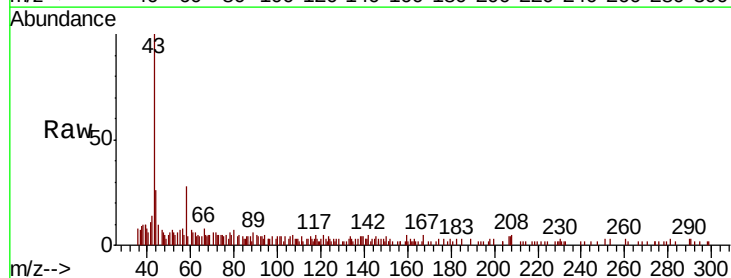
Acq: 10 Feb 2020 18:46

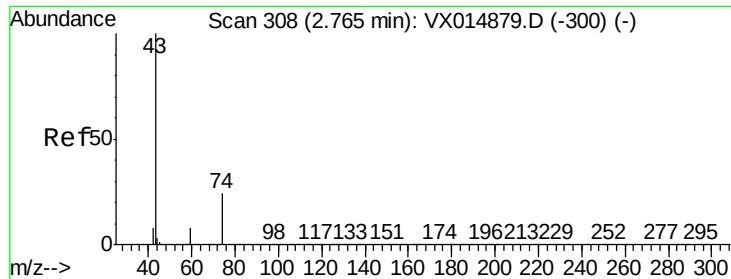
Tgt Ion: 43 Resp: 7959

Ion Ratio Lower Upper

43 100

58 22.5 24.1 36.1#

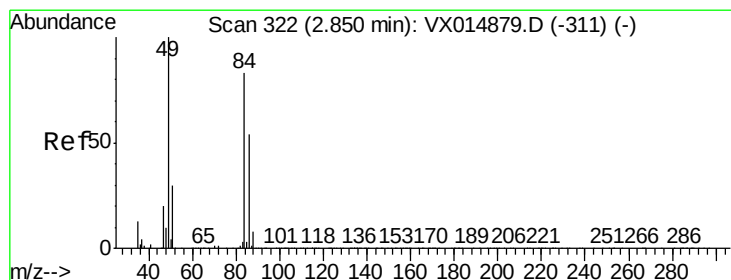
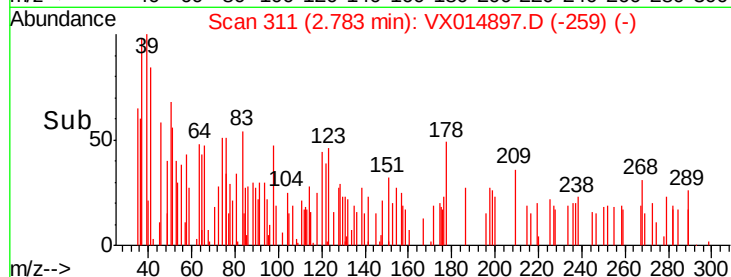
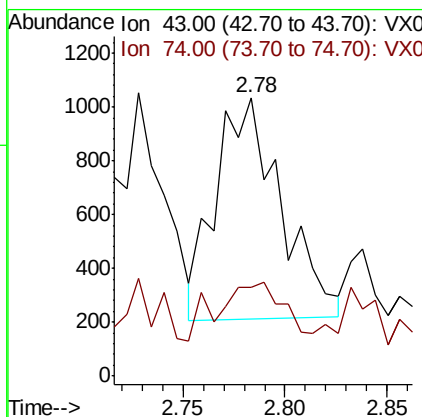
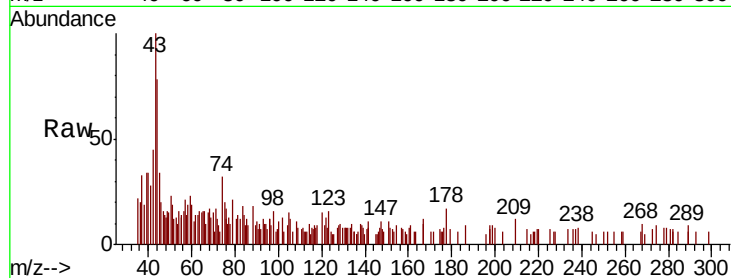




#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 2.78 min Scan# 311
Delta R.T. 0.02 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

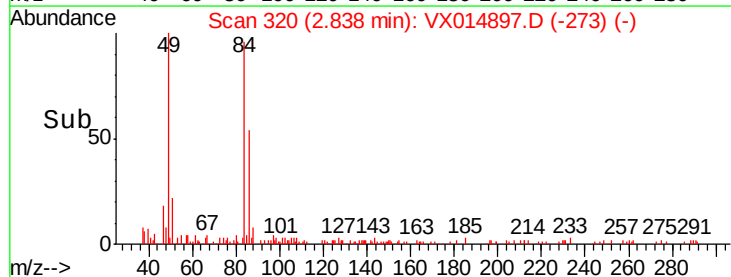
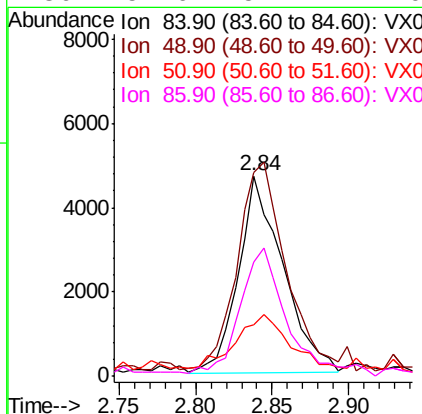
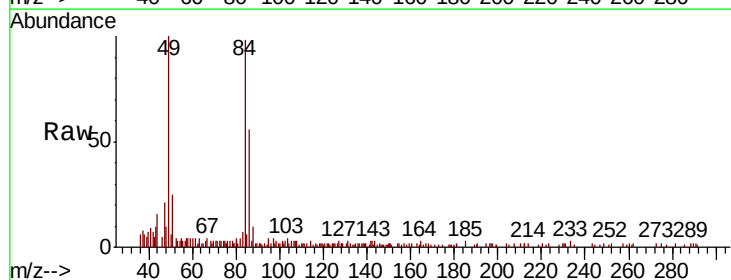
Instrument :
MSVOA_X
ClientSampled :
72-11931

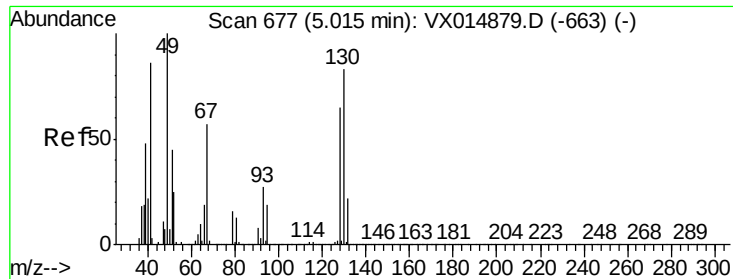
Tot Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
74 32.7 19.4 29.0#



#20
Methylene Chloride
Concen: 2.023 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

Tgt Ion: 84 Resp: 9490
Ion Ratio Lower Upper
84 100
49 100.6 95.6 143.4
51 21.8 29.0 43.6#
86 57.6 51.4 77.0

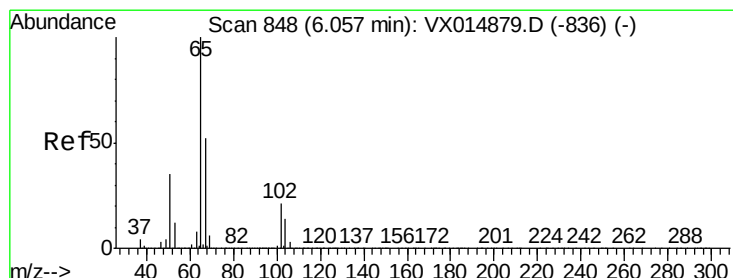
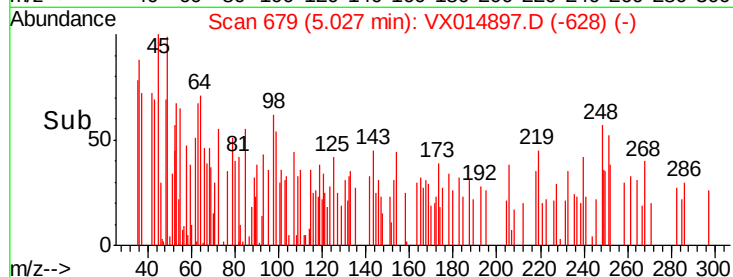
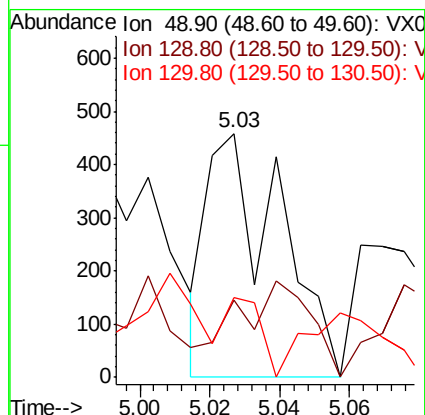
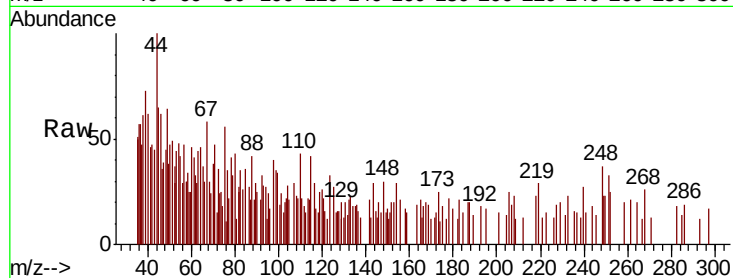




#28
Bromochloromethane
Concen: 0.224 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

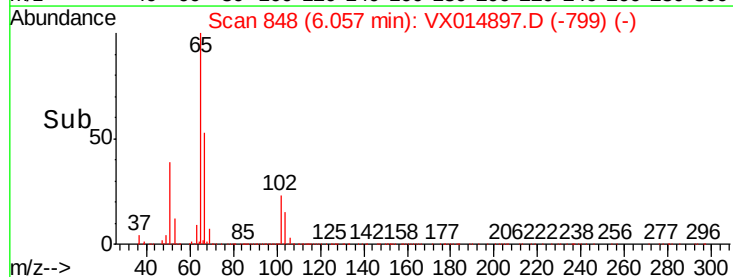
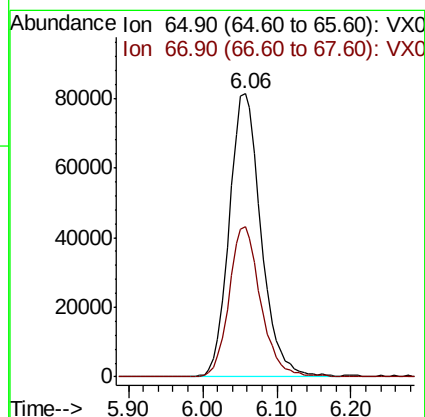
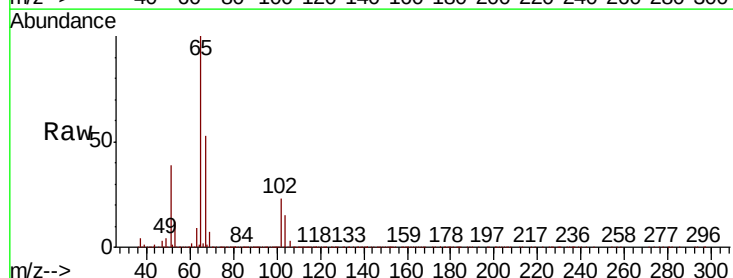
Instrument :
MSVOA_X
ClientSampled :
72-11931

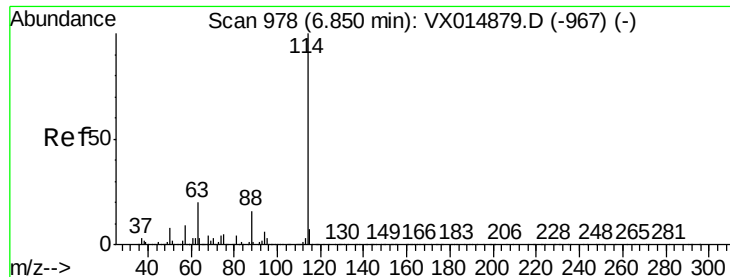
Tot Ion: 49 Resp: 656
Ion Ratio Lower Upper
49 100
129 40.7 0.0 5.2#
130 0.0 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 49.596 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.00 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

Tgt Ion: 65 Resp: 241842
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0

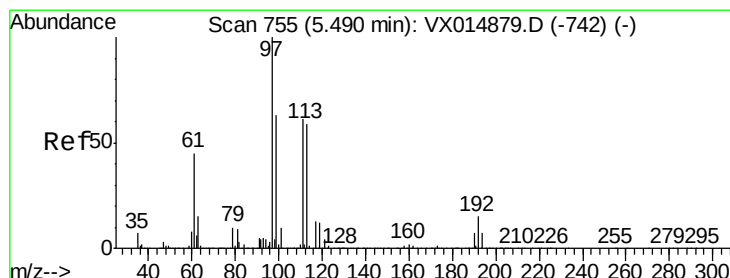
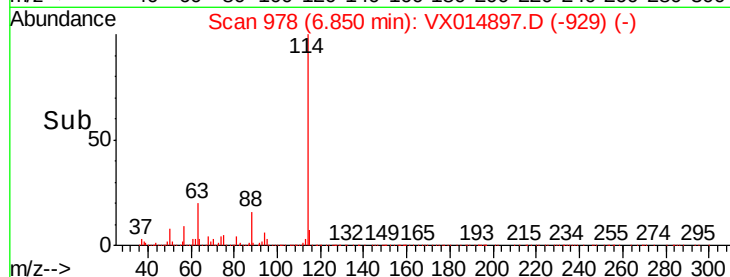
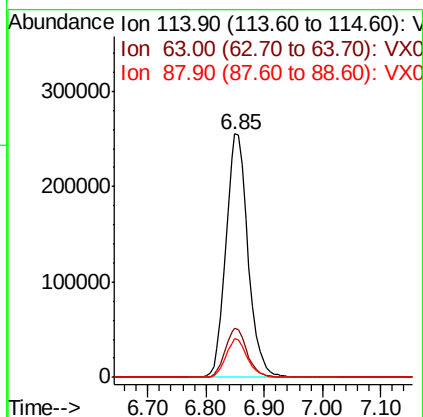
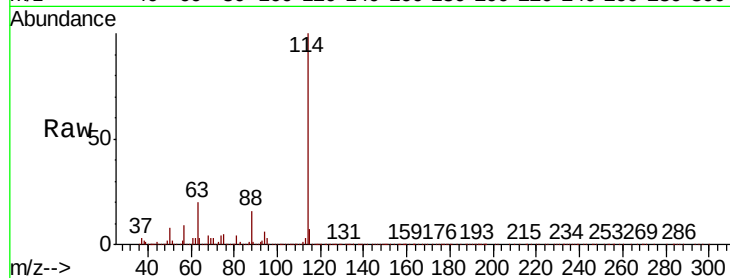




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

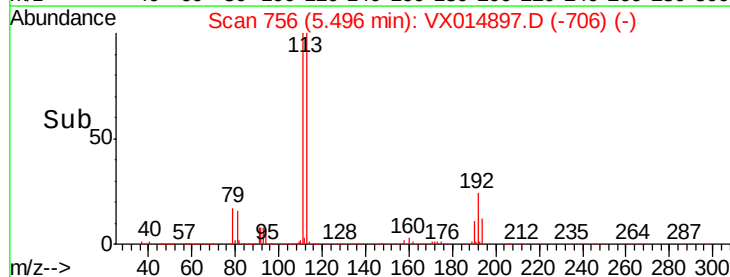
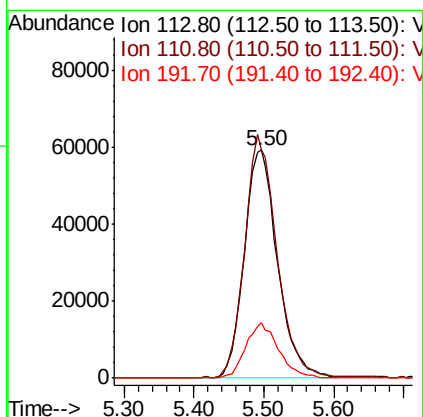
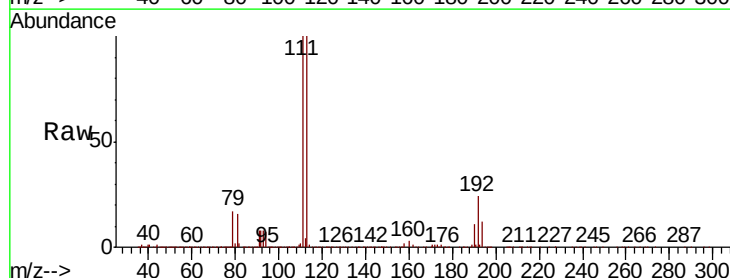
Instrument :
MSVOA_X
ClientSampleId :
72-11931

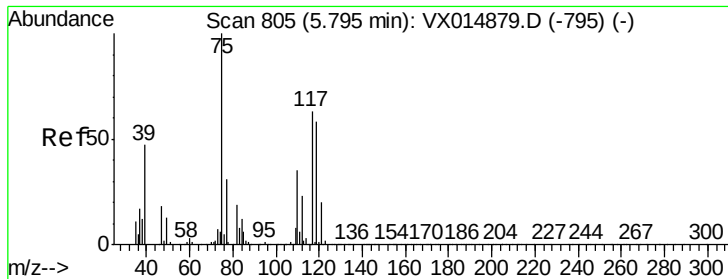
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.2
88	15.9	0.0	32.0



#35
Dibromofluoromethane
Concen: 47.141 ug/l
RT: 5.50 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX014897.D
Acq: 10 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	24.2	19.1	28.7

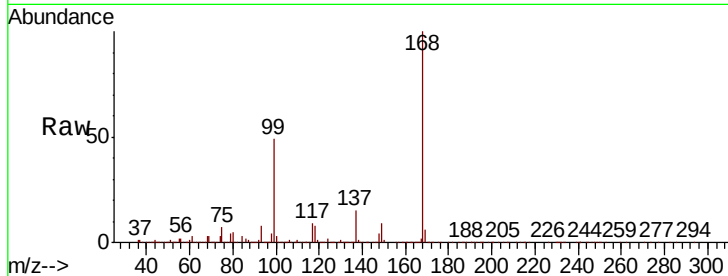




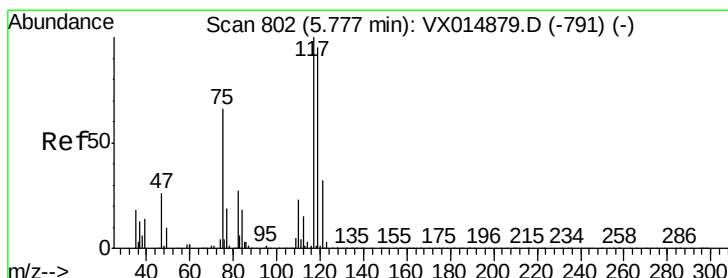
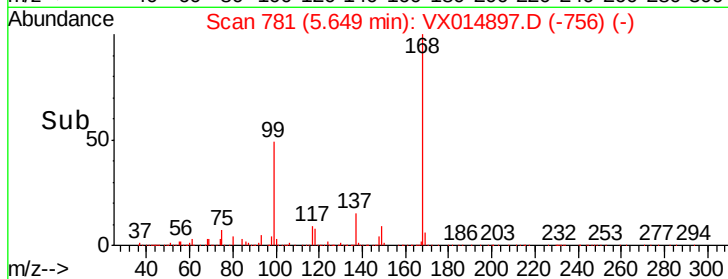
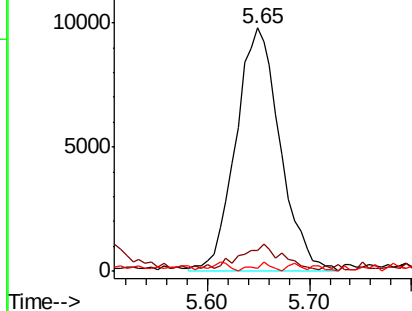
#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014897.D
 Acq: 10 Feb 2020 18:46

Instrument :
 MSVOA_X
 ClientSampled :
 72-11931

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.3	54.8#
77	1.4	24.6	36.8#

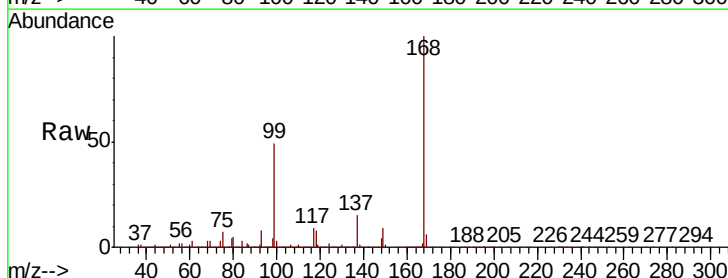


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

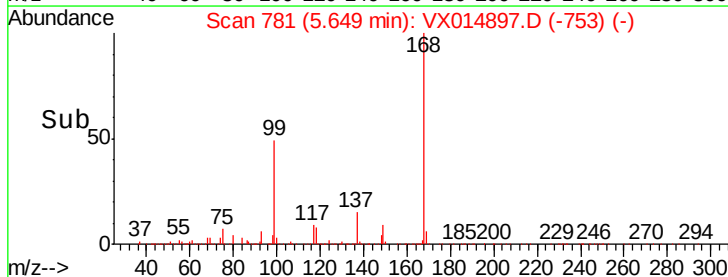
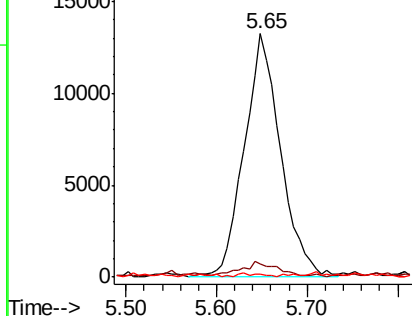


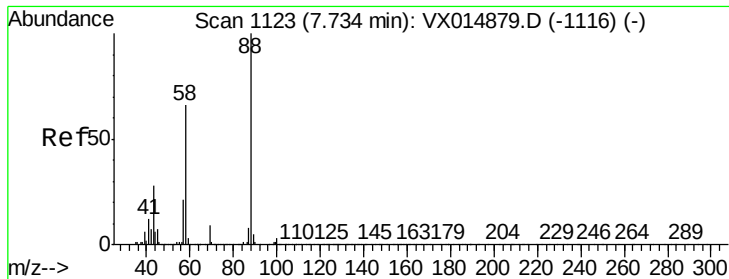
#38
 Carbon Tetrachloride
 Concen: 6.197 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014897.D
 Acq: 10 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.0	114.0#
121	0.0	25.4	38.2#



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: 6.341 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014897.D

Acq: 10 Feb 2020 18:46

Instrument :

MSVOA_X

ClientSampleId :

72-11931

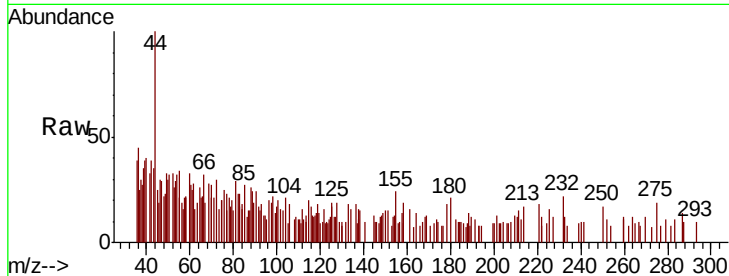
Tot Ion: 88 Resp: 605

Ion Ratio Lower Upper

88 100

43 62.3 27.0 40.4#

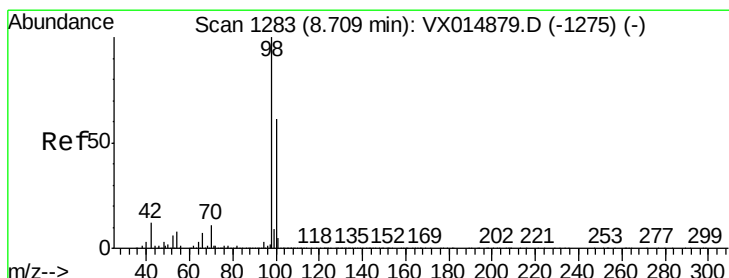
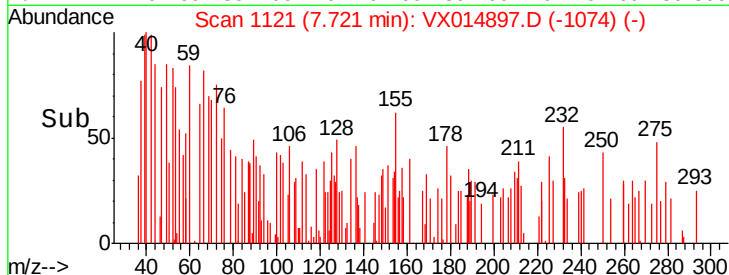
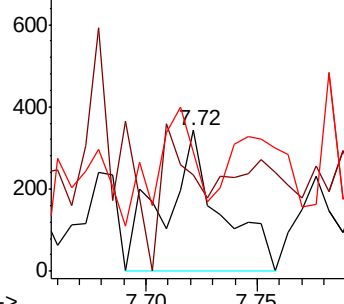
58 66.4 53.2 79.8



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: 50.879 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014897.D

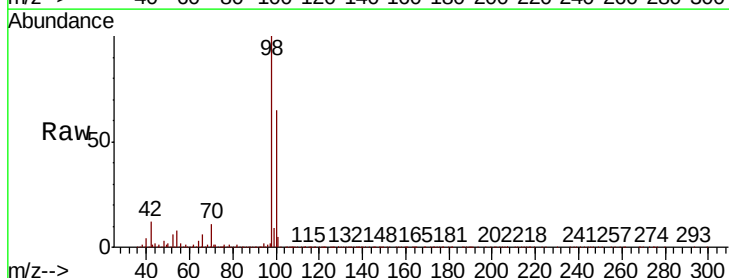
Acq: 10 Feb 2020 18:46

Tgt Ion: 98 Resp: 804355

Ion Ratio Lower Upper

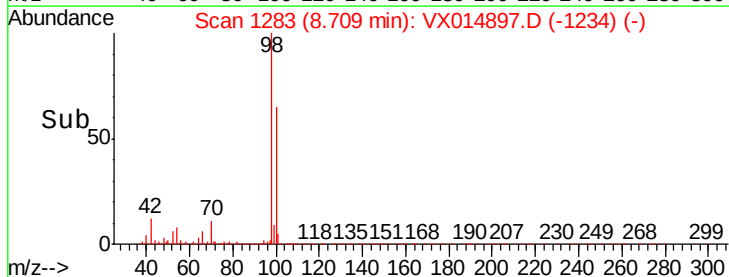
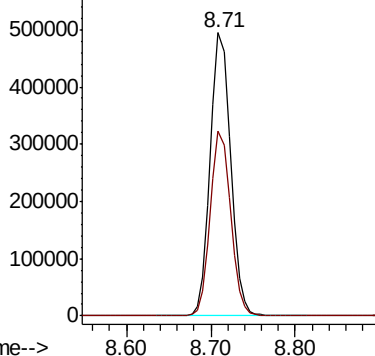
98 100

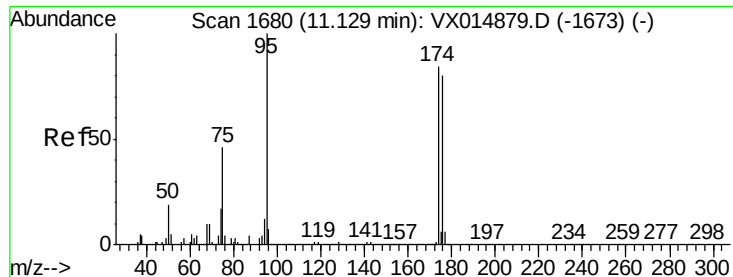
100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.605 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX014897.D

Acq: 10 Feb 2020 18:46

Instrument :

MSVOA_X

ClientSampleId :

72-11931

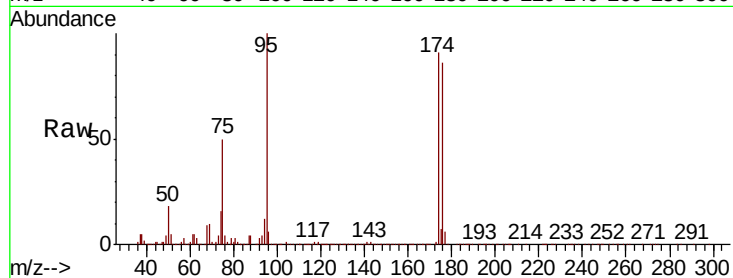
Tot Ion: 95 Resp: 310975

Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.0

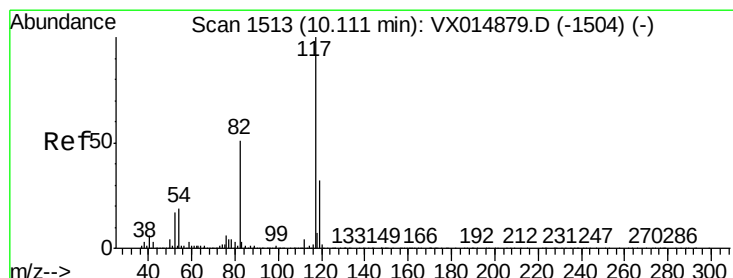
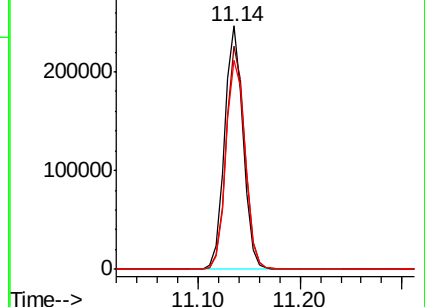
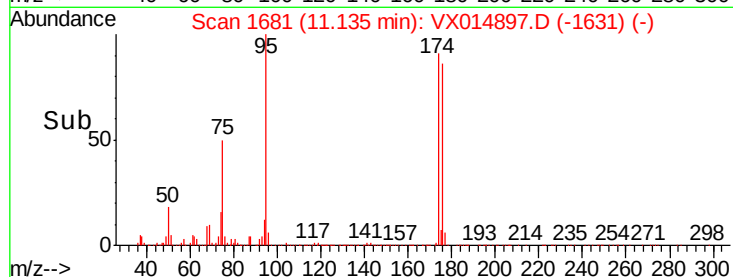
176 89.9 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX014897.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014897.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014897.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014897.D

Acq: 10 Feb 2020 18:46

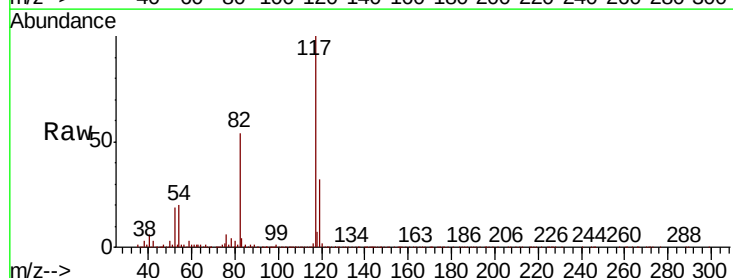
Tgt Ion: 117 Resp: 638932

Ion Ratio Lower Upper

117 100

82 53.6 40.5 60.7

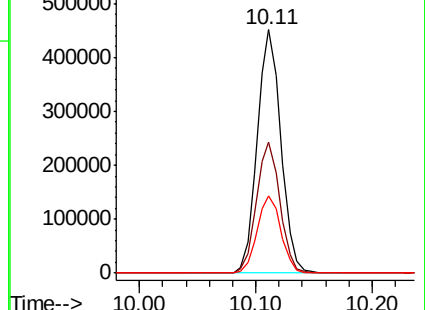
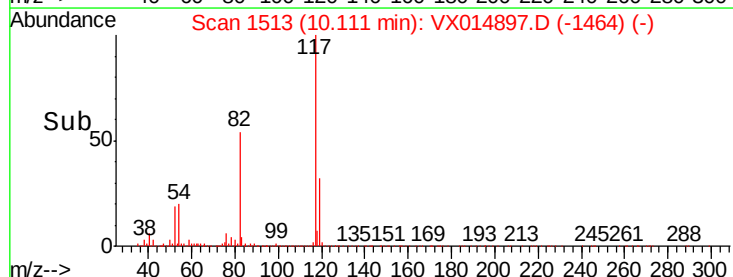
119 31.9 25.8 38.6

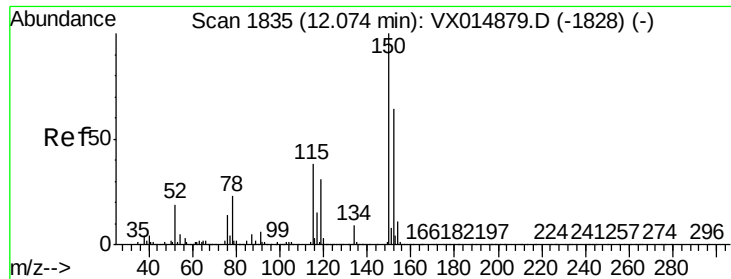


Abundance Ion 116.90 (116.60 to 117.60): VX014897.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014897.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014897.D (-1504) (-)

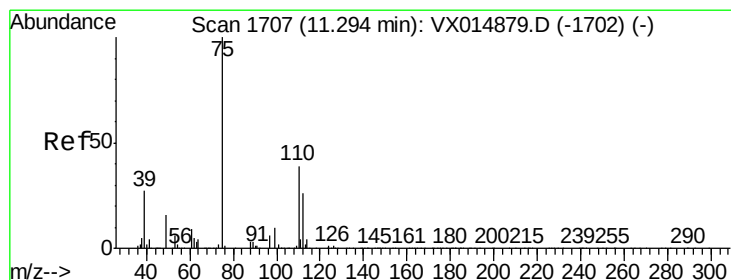
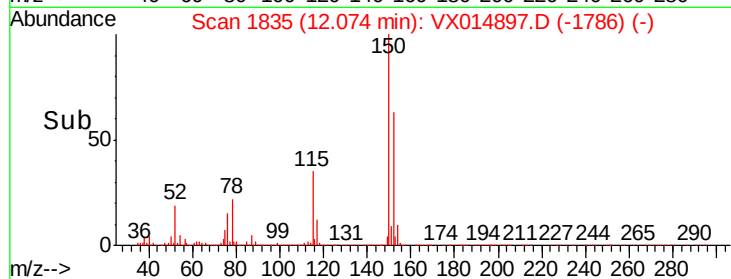
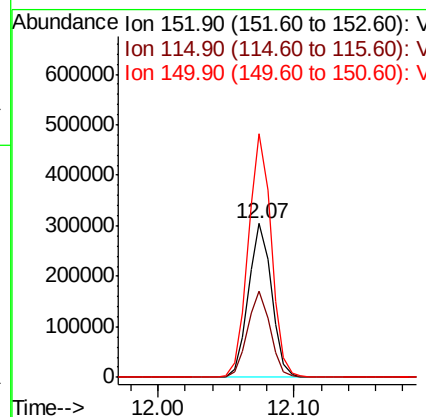
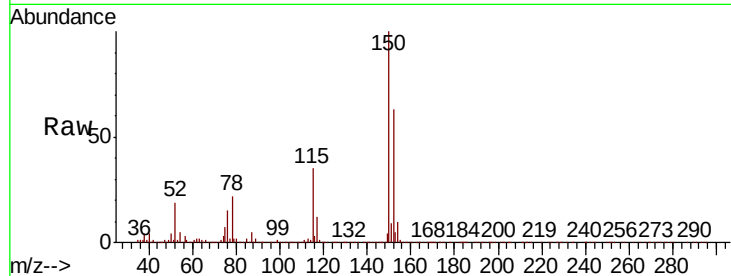




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014897.D
 Acq: 10 Feb 2020 18:46

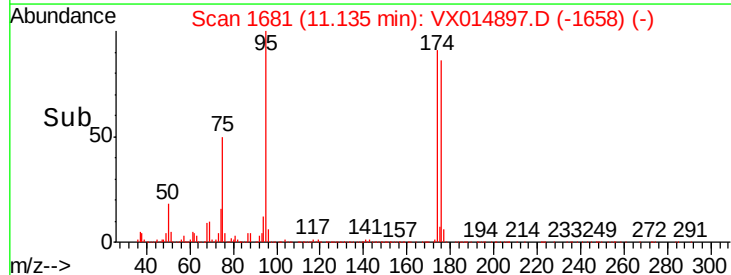
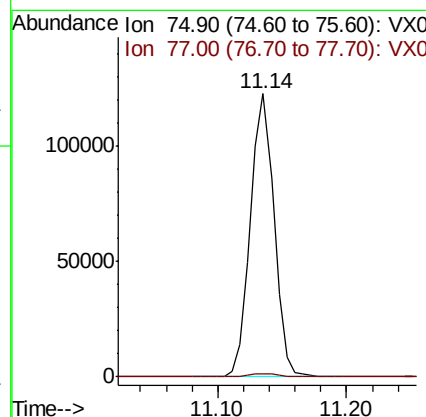
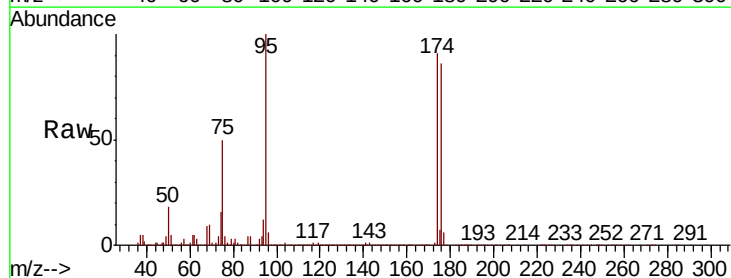
Instrument :
 MSVOA_X
 ClientSampleId :
 72-11931

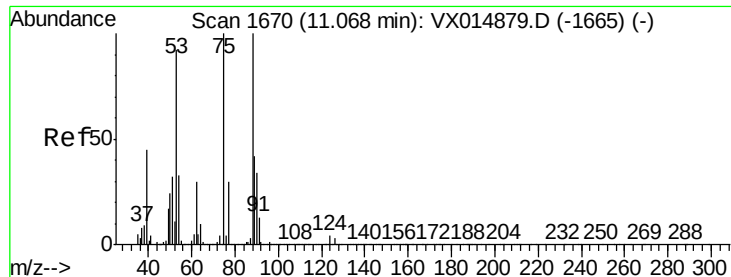
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.6	116.0
150	157.5	0.0	349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.666 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX014897.D
 Acq: 10 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.4	55.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.578 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014897.D

Acq: 10 Feb 2020 18:46

Instrument :

MSVOA_X

ClientSampleId :

72-11931

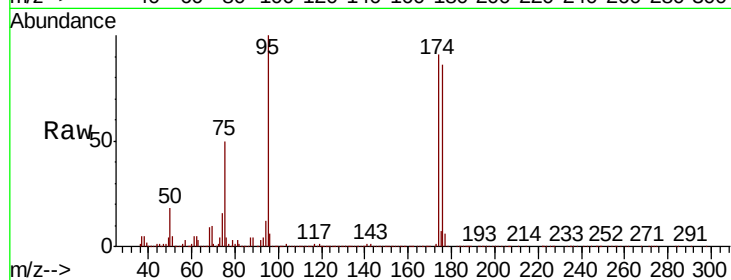
Tot Ion: 75 Resp: 154681

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

