

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021220\
 Data File : VX014922.D
 Acq On : 12 Feb 2020 13:53
 Operator : JC/SP
 Sample : L1495-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 13 03:34:42 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	442780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	690692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	645813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331274	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	252498	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	5.49	113	211025	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.71	98	817385	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	295273	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

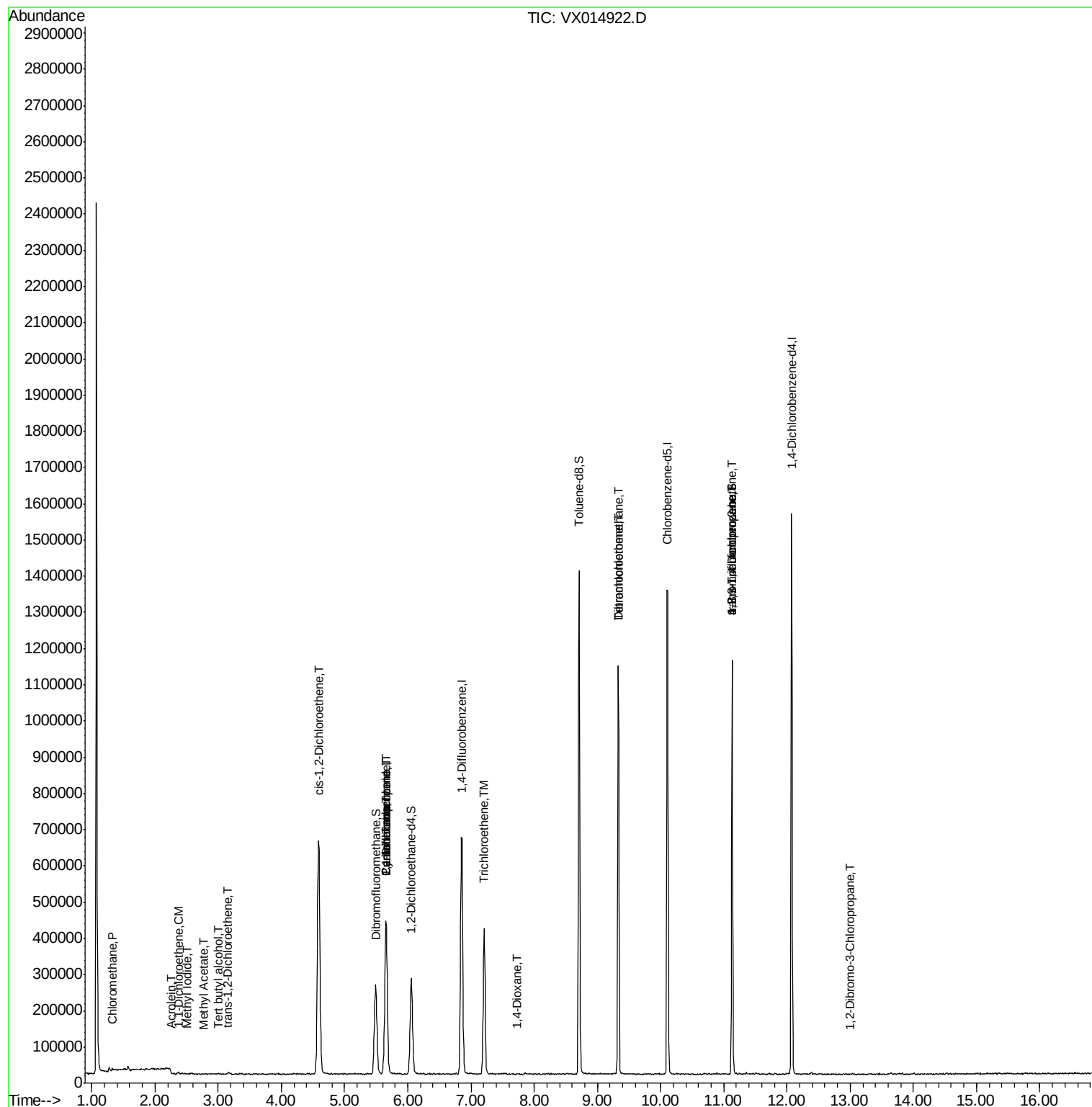
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3113	0.655	ug/l	93
10) Methyl Iodide	2.50	142	1182	4.602	ug/l #	85
11) Tert butyl alcohol	3.00	59	249	0.282	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1388	0.342	ug/l	93
13) Acrolein	2.27	56	557	0.828	ug/l #	50
16) Acetone	2.43	43	2736	Below Cal		98
18) Methyl Acetate	2.77	43	1014	0.201	ug/l #	67
21) trans-1,2-Dichloroethene	3.15	96	2912	0.650	ug/l	86
27) cis-1,2-Dichloroethene	4.59	96	411275	82.157	ug/l	89
31) Cyclohexane	5.65	56	8165	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	29317	4.745	ug/l #	50
38) Carbon Tetrachloride	5.65	117	38393	6.376	ug/l #	18
44) Trichloroethene	7.21	130	168349	31.415	ug/l	98
49) 1,4-Dioxane	7.73	88	63	0.644	ug/l #	1
60) Dibromochloromethane	9.33	129	194211	38.044	ug/l #	12
64) Tetrachloroethene	9.33	164	223876	37.077	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	146913	24.524	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	146913	62.775	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	371	0.233	ug/l #	36

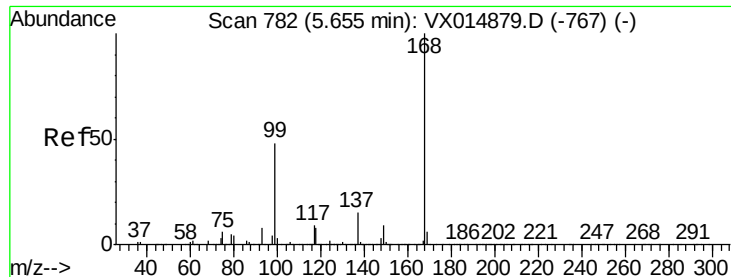
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021220\
Data File : VX014922.D
Acq On : 12 Feb 2020 13:53
Operator : JC/SP
Sample : L1495-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 13 03:34:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

Instrument :

MSVOA_X

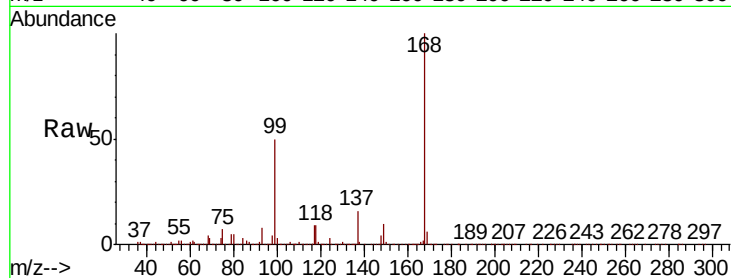
ClientSampleId :

Tot Ion:168 Resp: 442780

Ion Ratio Lower Upper

168 100

99 49.7 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

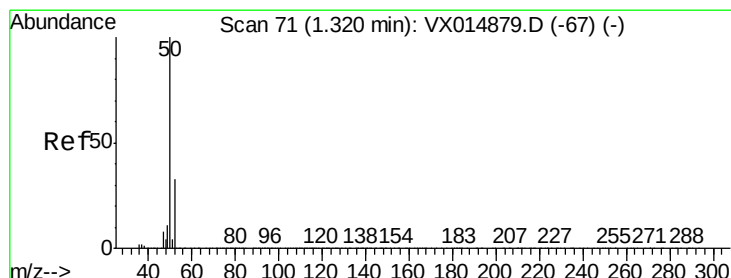
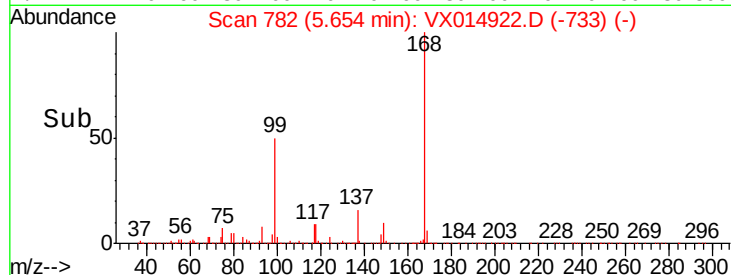
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.655 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014922.D

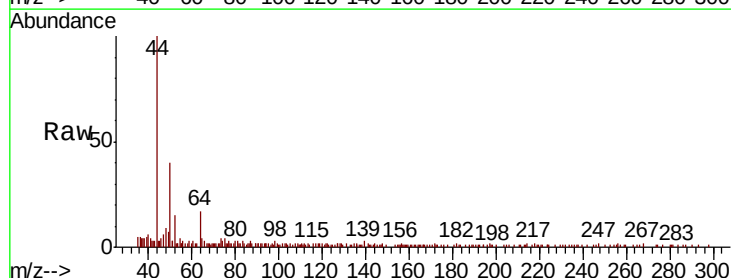
Acq: 12 Feb 2020 13:53

Tgt Ion: 50 Resp: 3113

Ion Ratio Lower Upper

50 100

52 29.0 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

3000

2500

2000

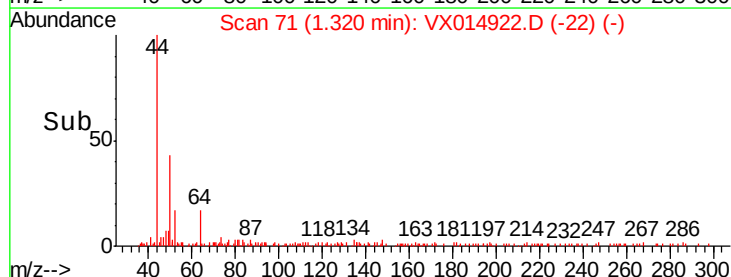
1500

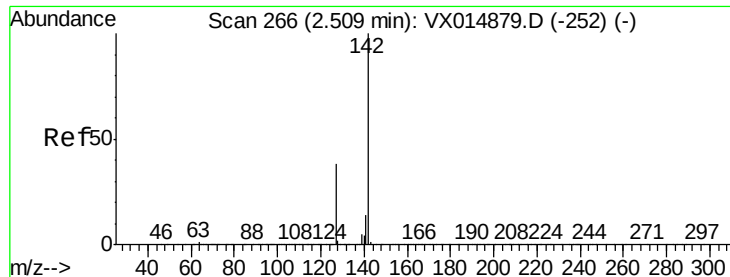
1000

500

0

Time-->

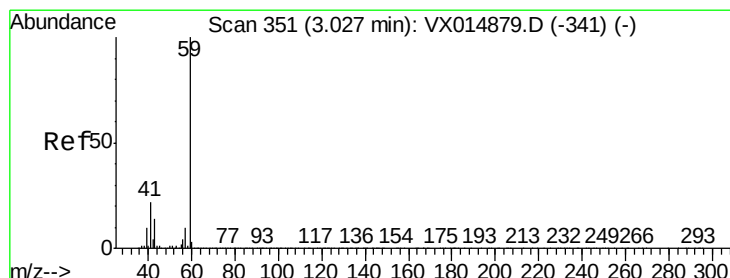
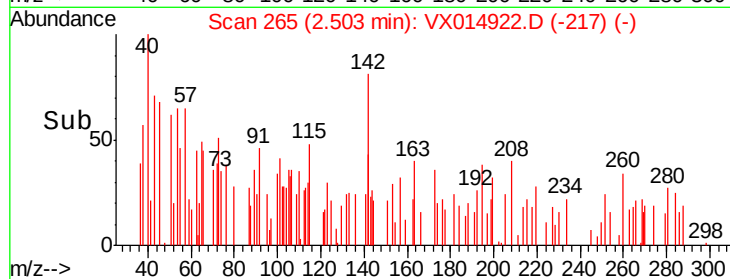
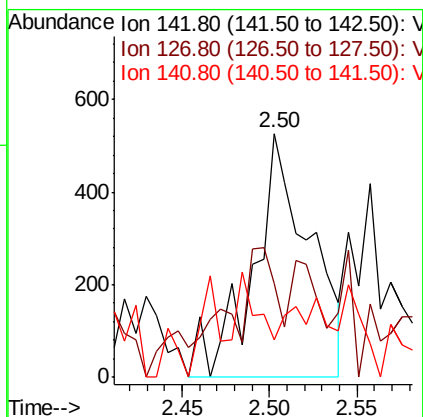
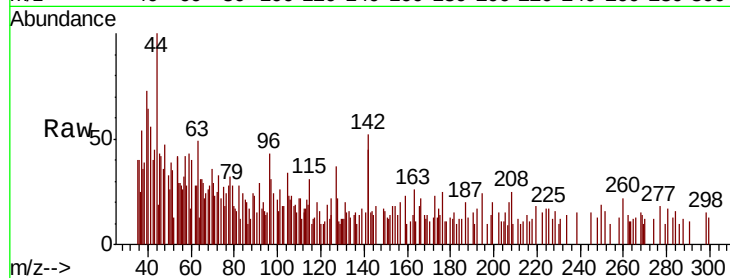




#10
Methyl Iodide
Concen: 4.602 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

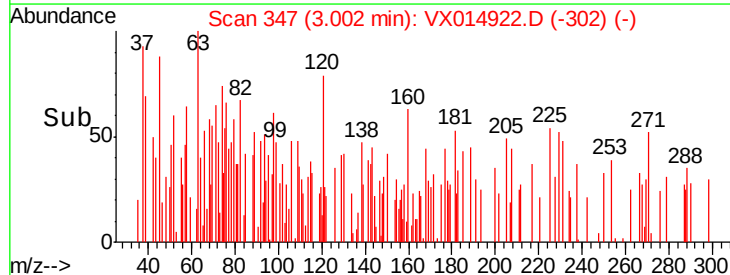
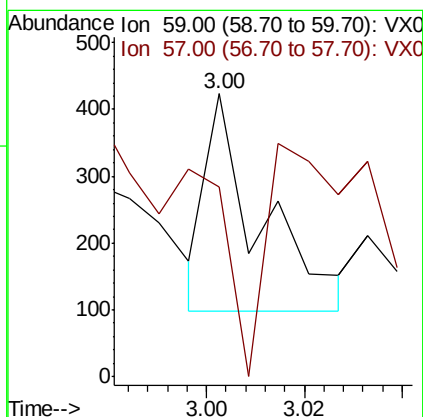
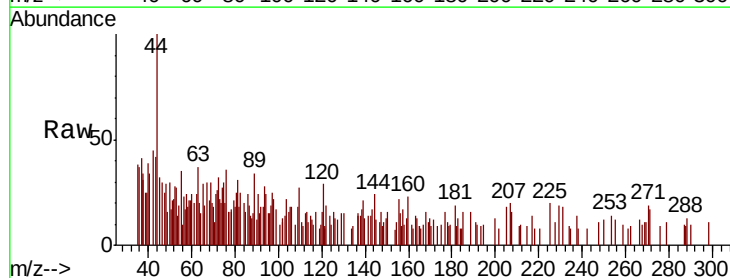
Instrument :
MSVOA_X
ClientSampled :

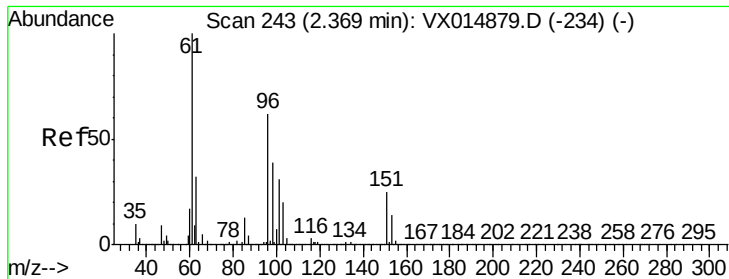
Tot Ion:142 Resp: 1182
Ion Ratio Lower Upper
142 100
127 26.9 31.1 46.7#
141 15.0 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.282 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 253.4 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.342 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

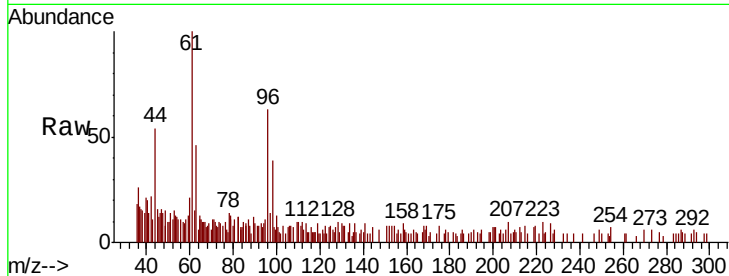
Tot Ion: 96 Resp: 1388

Ion Ratio Lower Upper

96 100

61 155.2 129.5 194.3

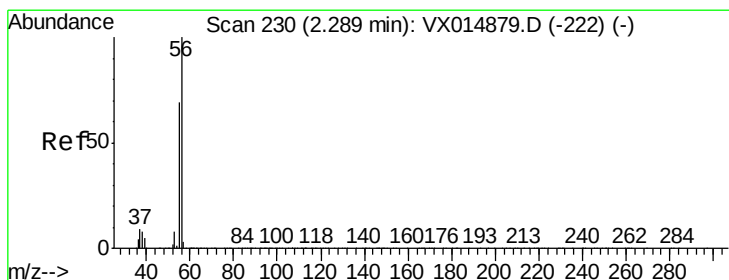
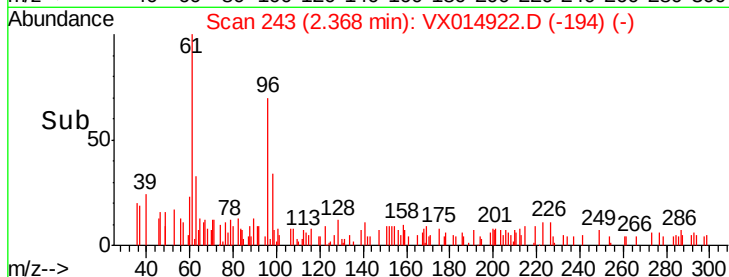
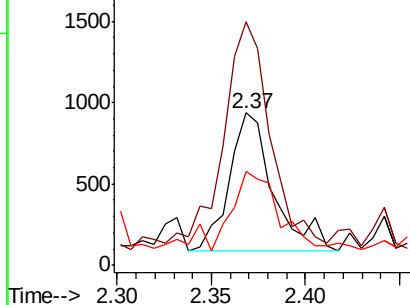
98 52.9 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.828 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.02 min

Lab File: VX014922.D

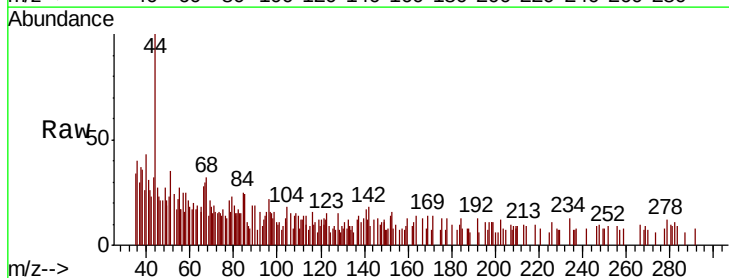
Acq: 12 Feb 2020 13:53

Tgt Ion: 56 Resp: 557

Ion Ratio Lower Upper

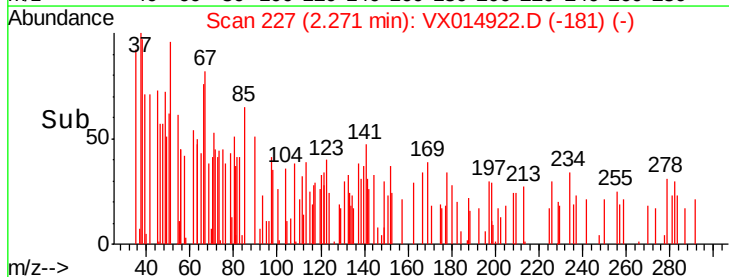
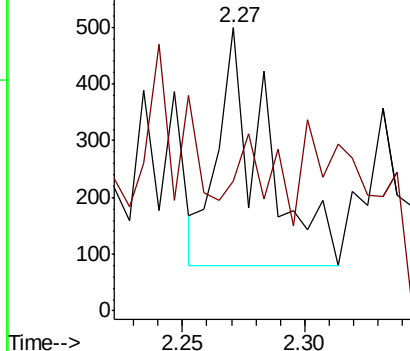
56 100

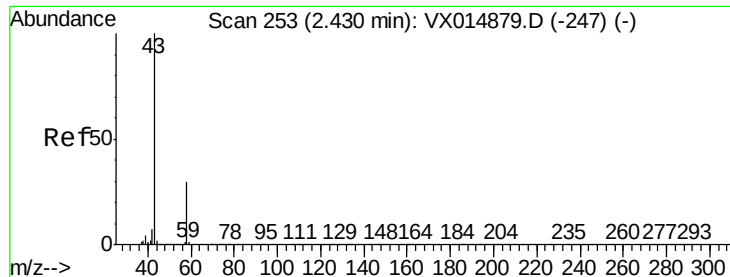
55 27.8 55.0 82.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

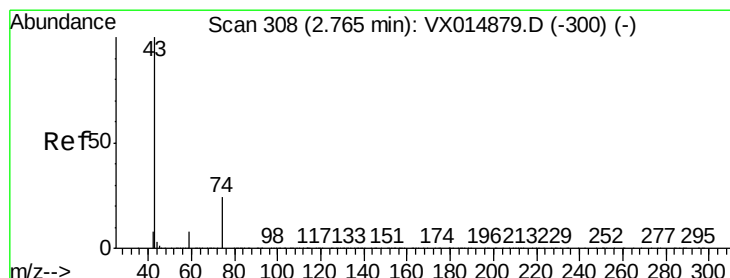
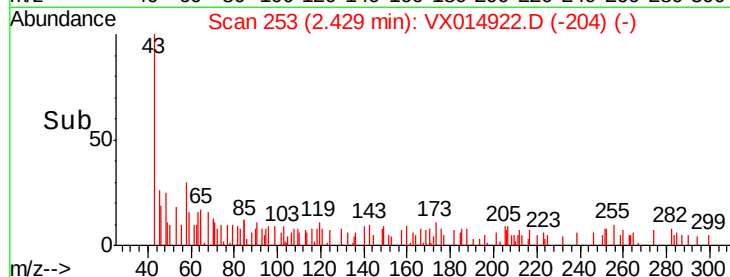
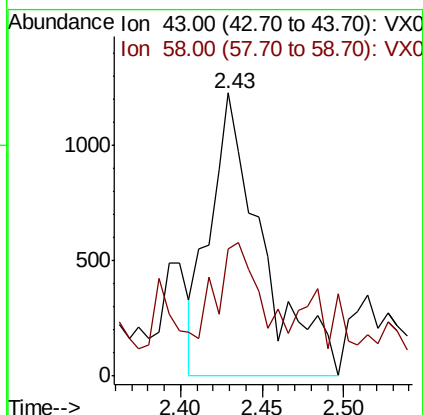
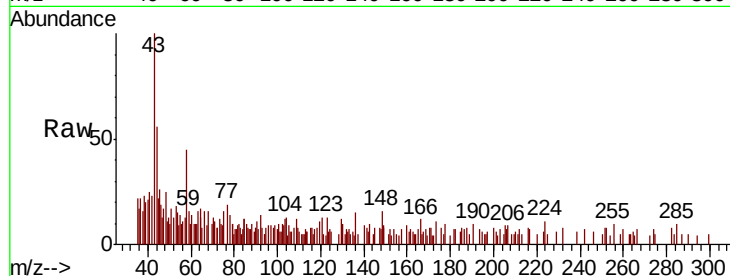




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

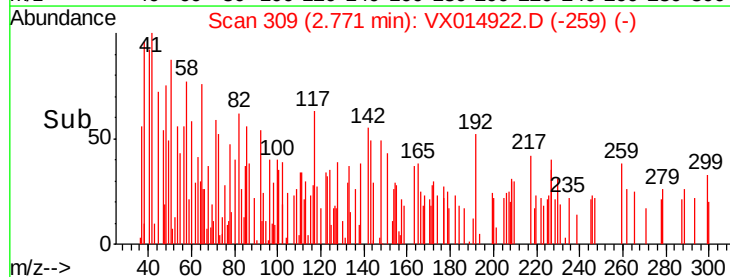
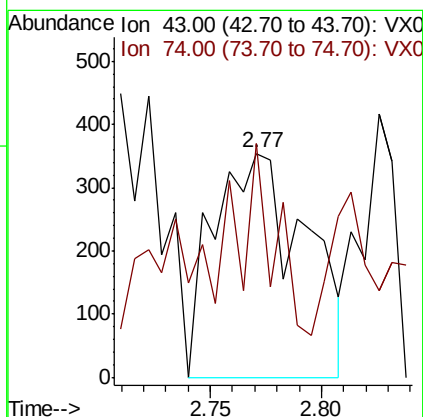
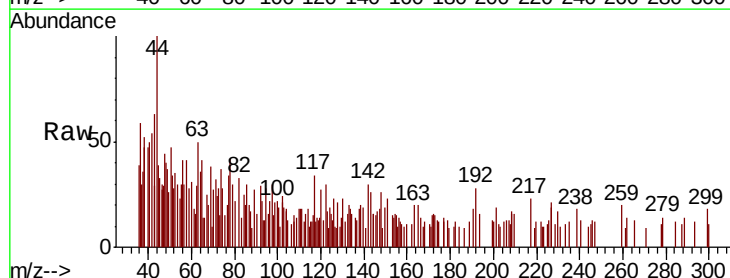
Instrument :
MSVOA_X
ClientSampled :

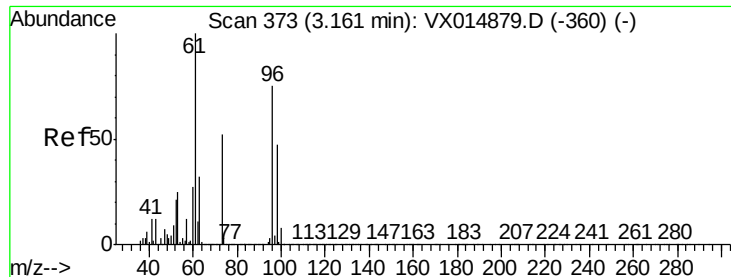
Tot Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
58 29.3 24.1 36.1



#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

Tgt Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
74 7.7 19.4 29.0#





#21

trans-1,2-Dichloroethene

Concen: 0.650 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

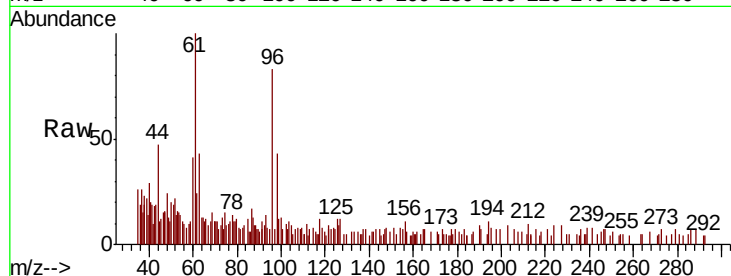
Tot Ion: 96 Resp: 2912

Ion Ratio Lower Upper

96 100

61 113.7 106.9 160.3

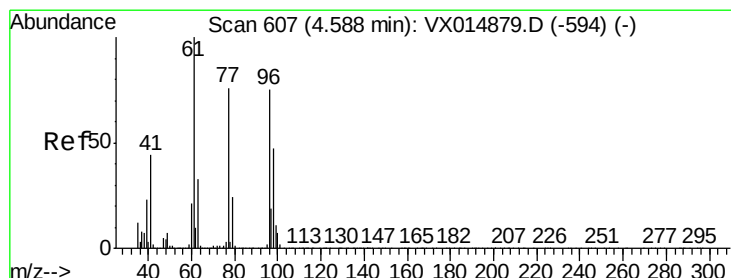
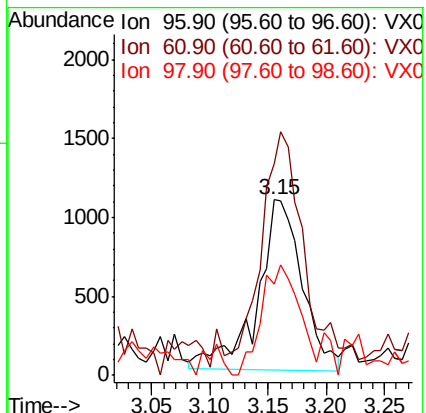
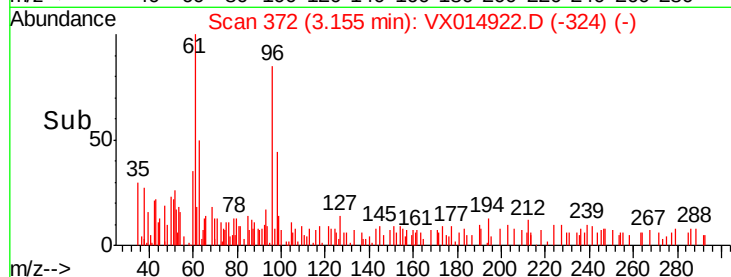
98 56.1 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 82.157 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

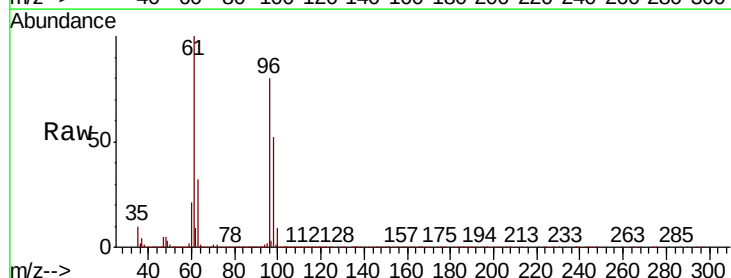
Tgt Ion: 96 Resp: 411275

Ion Ratio Lower Upper

96 100

61 124.1 0.0 286.2

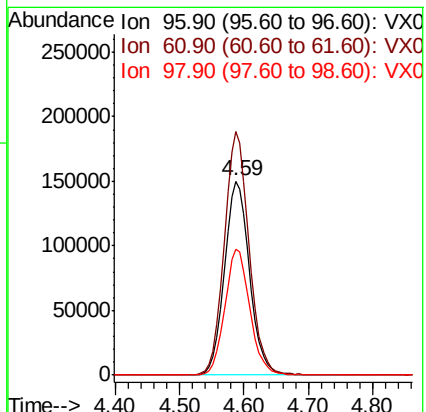
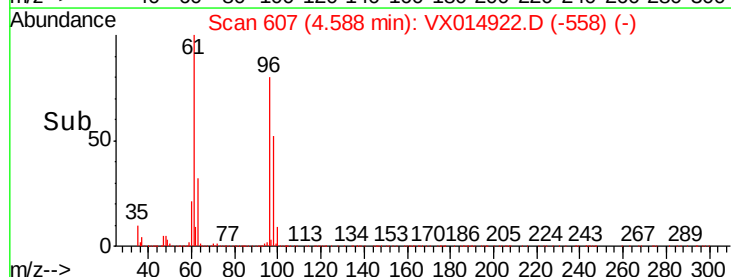
98 64.7 0.0 131.0

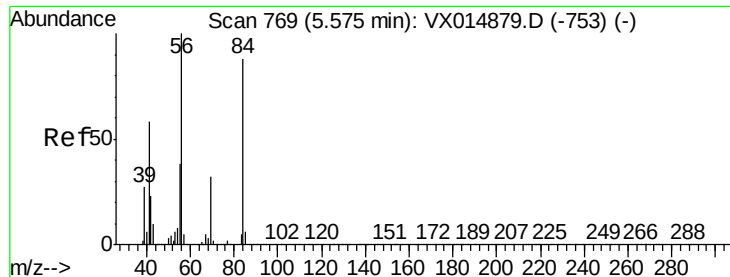


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

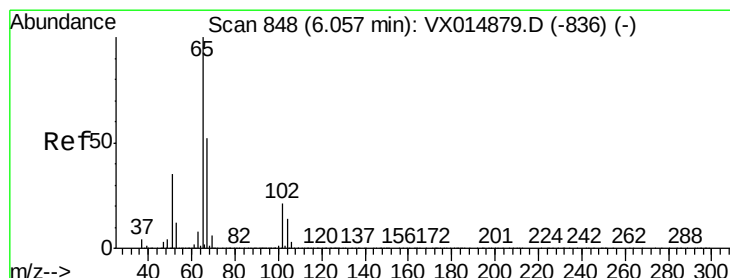
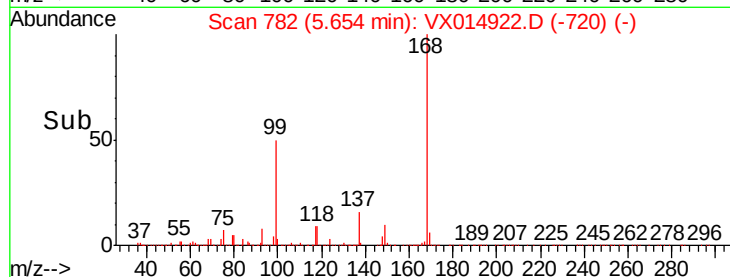
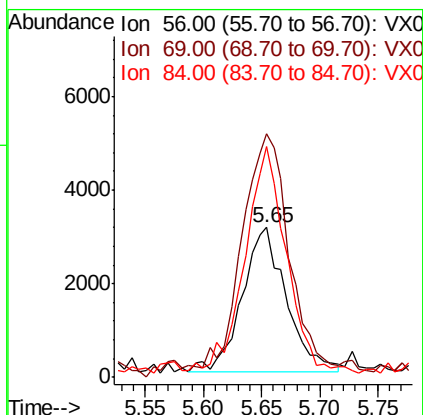
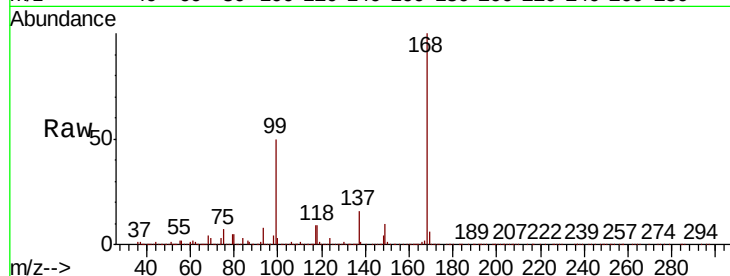




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.08 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

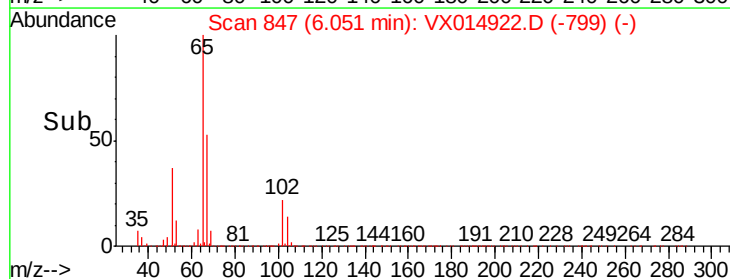
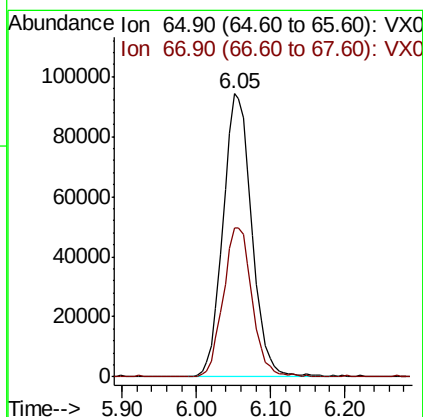
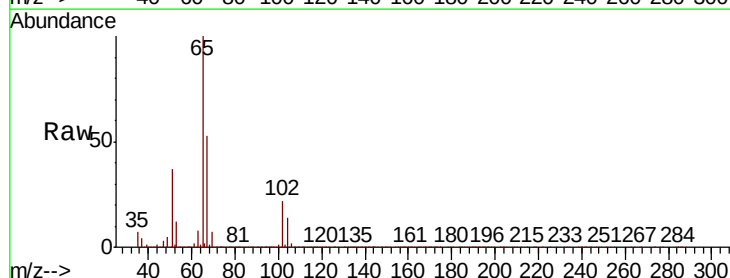
Instrument :
MSVOA_X
ClientSampleId :

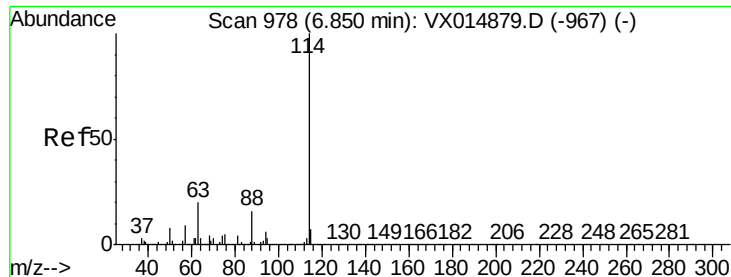
Tot Ion: 56 Resp: 8165
Ion Ratio Lower Upper
56 100
69 160.4 25.9 38.9#
84 155.6 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 50.529 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

Tgt Ion: 65 Resp: 252498
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0

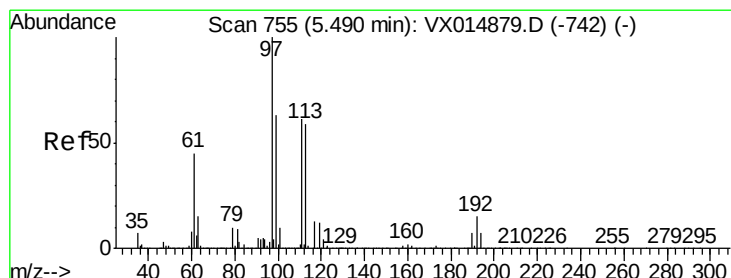
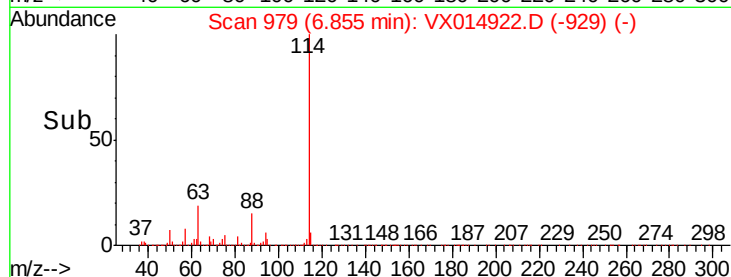
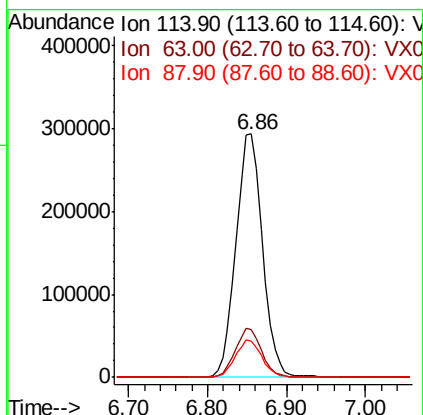
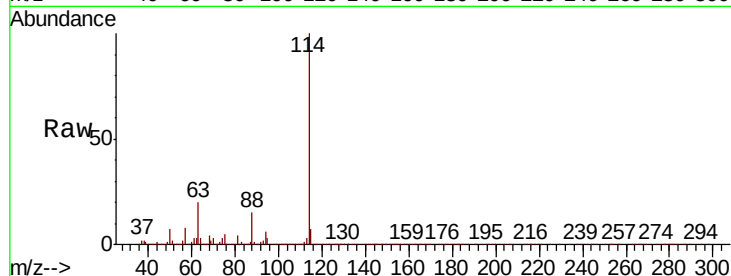




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 979
Delta R.T. 0.01 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

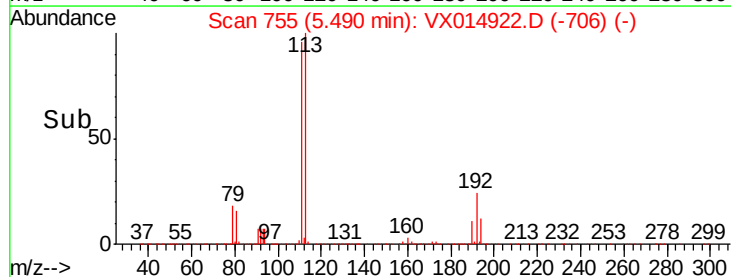
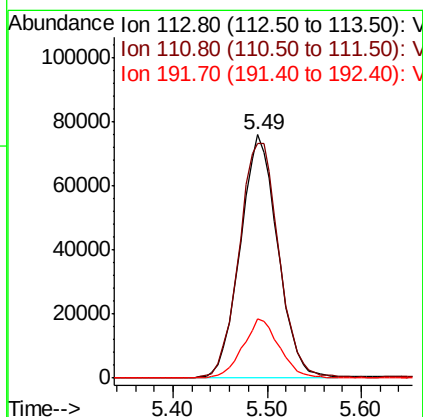
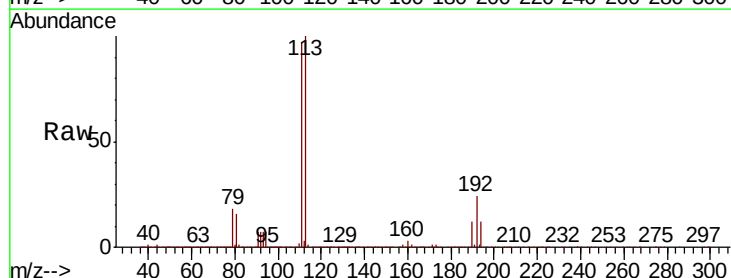
Instrument :
MSVOA_X
ClientSampleId :

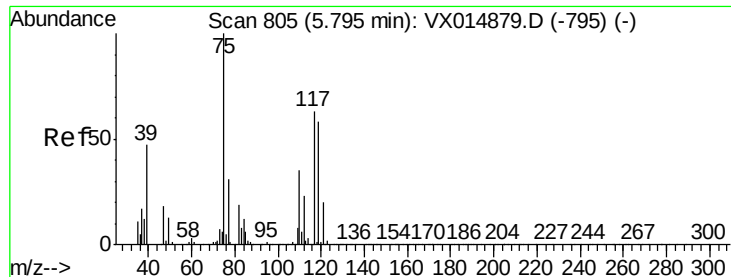
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.2
88	15.1	0.0	32.0



#35
Dibromofluoromethane
Concen: 49.697 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	24.0	19.1	28.7

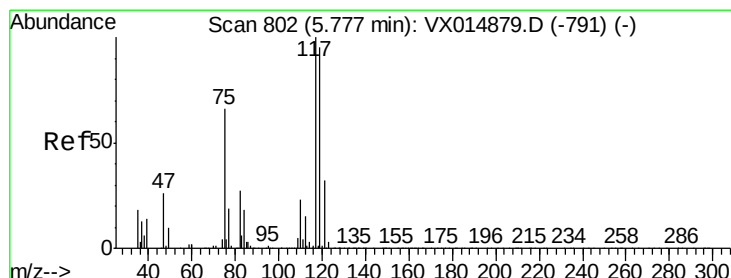
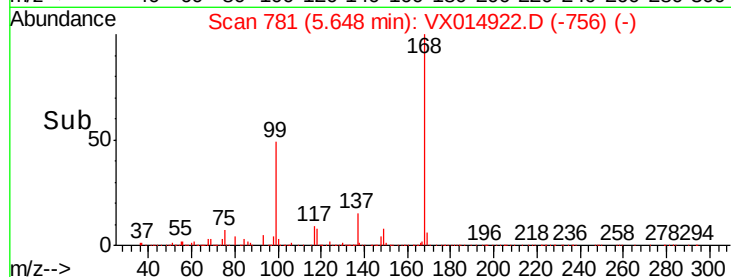
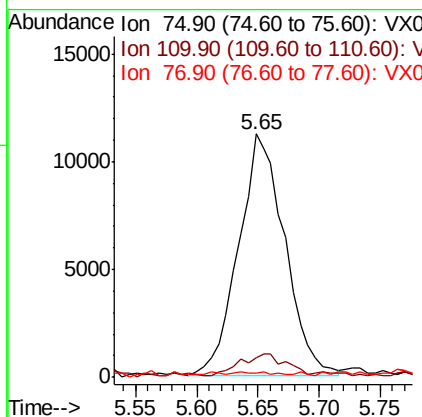
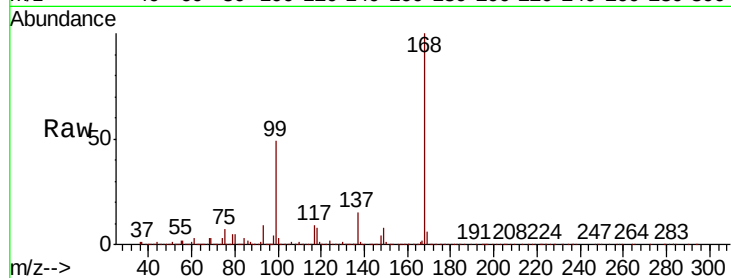




#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014922.D
 Acq: 12 Feb 2020 13:53

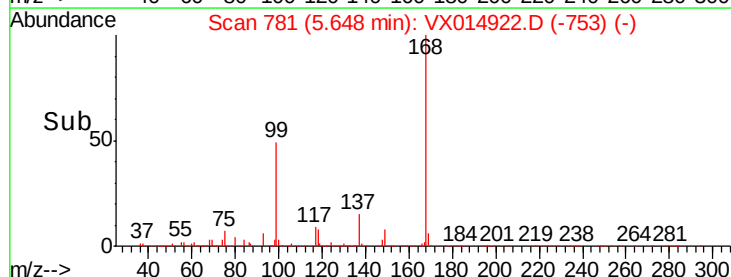
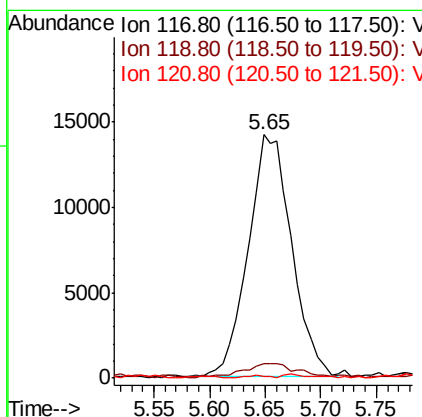
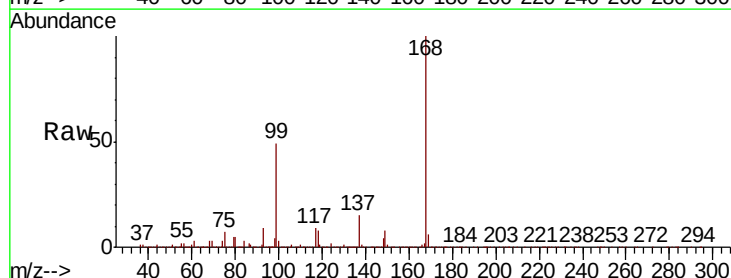
Instrument :
 MSVOA_X
 ClientSampleId :

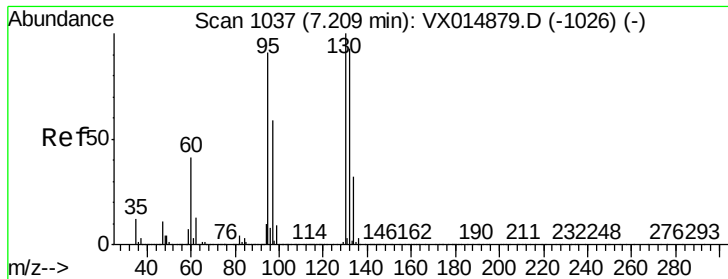
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.376 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014922.D
 Acq: 12 Feb 2020 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.0	114.0#
121	1.2	25.4	38.2#





#44

Trichloroethene

Concen: 31.415 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

Instrument :

MSVOA_X

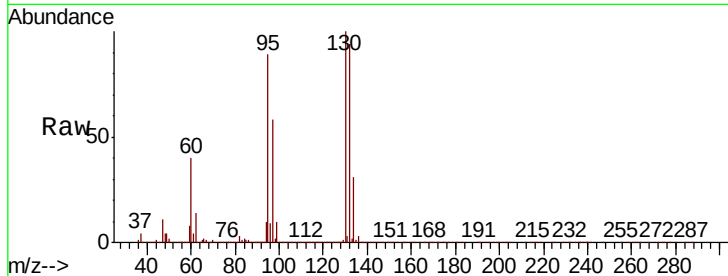
ClientSampled :

Tot Ion:130 Resp: 168349

Ion Ratio Lower Upper

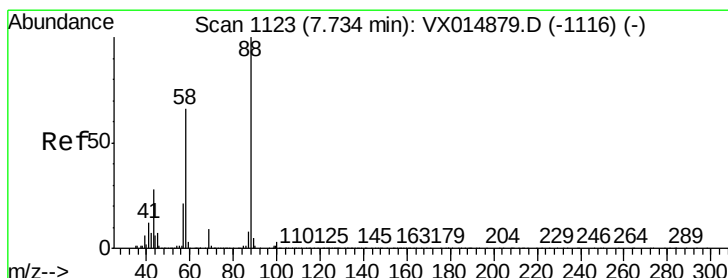
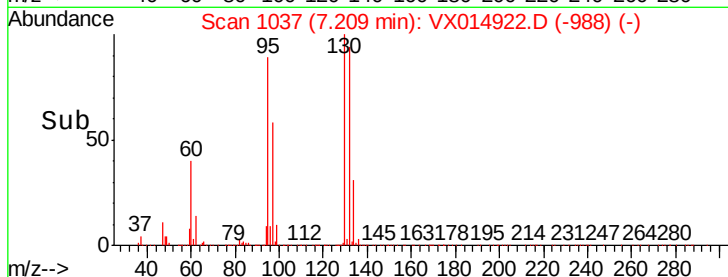
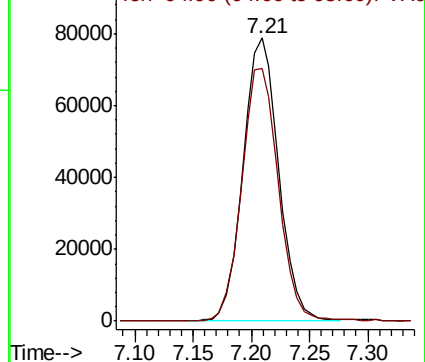
130 100

95 88.9 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.644 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

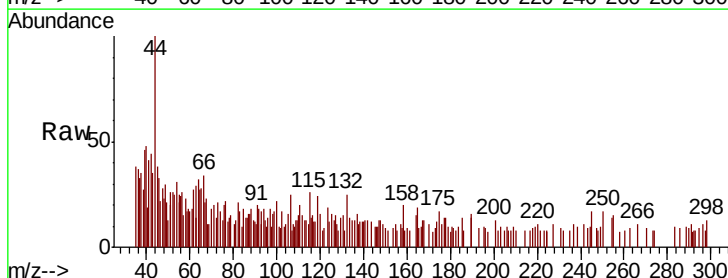
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

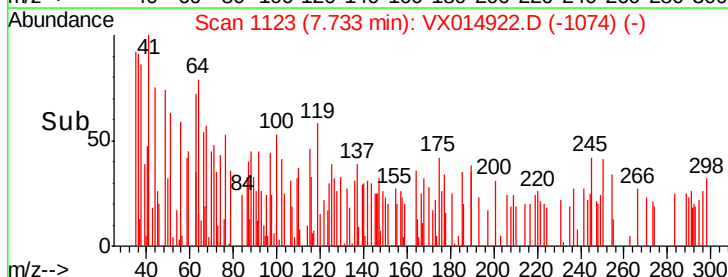
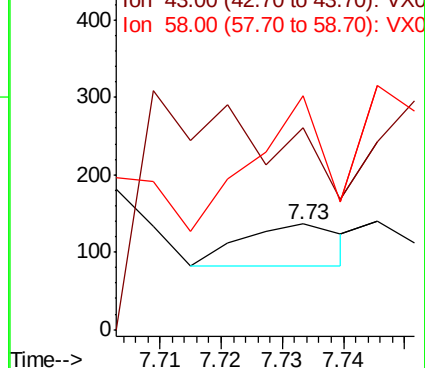
58 223.8 53.2 79.8#

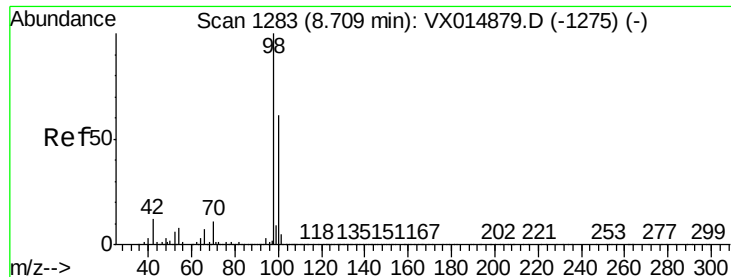


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

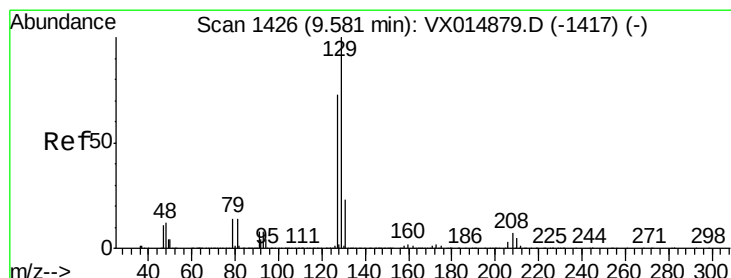
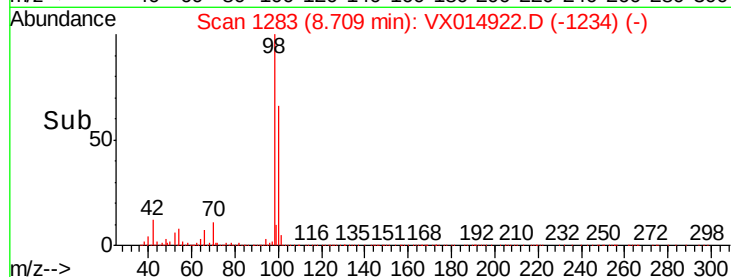
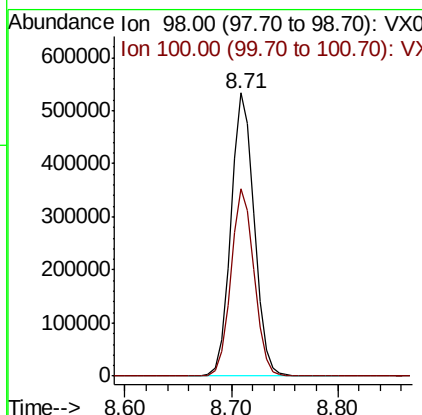
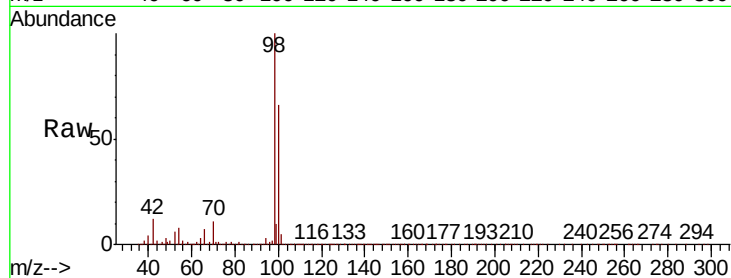




#50
Toluene-d8
Concen: 50.430 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

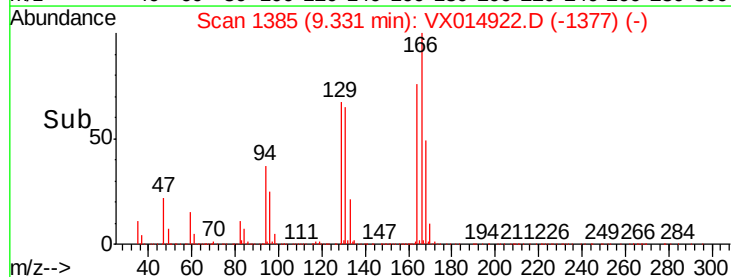
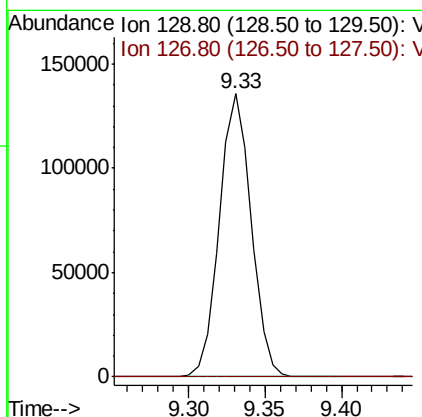
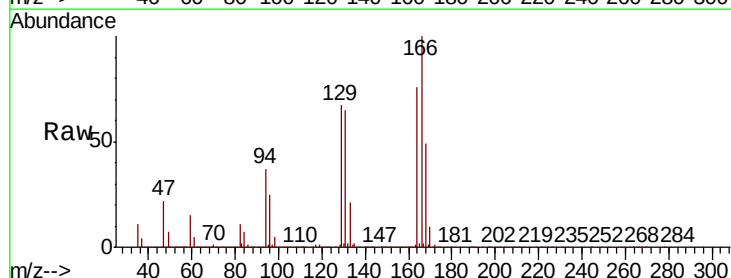
Instrument :
MSVOA_X
ClientSampleId :

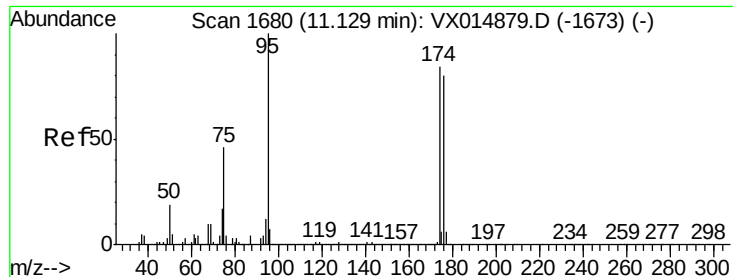
Tot Ion: 98 Resp: 817385
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#60
Dibromochloromethane
Concen: 38.044 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

Tgt Ion: 129 Resp: 194211
Ion Ratio Lower Upper
129 100
127 0.2 37.8 113.3#

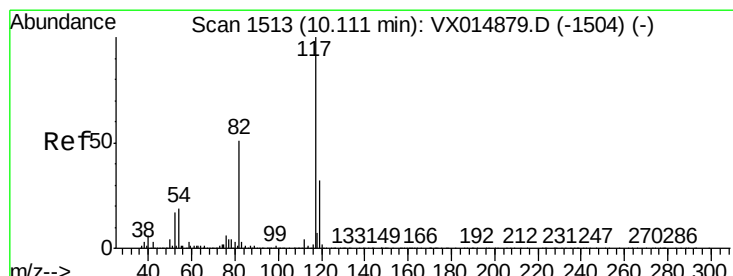
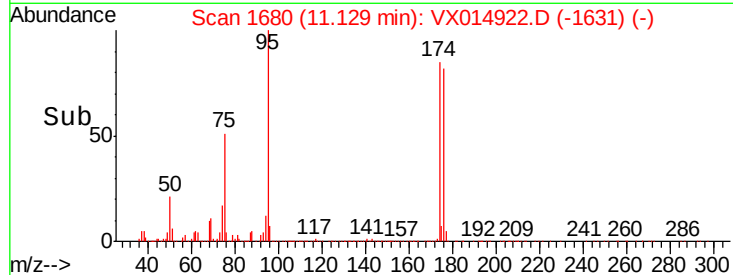
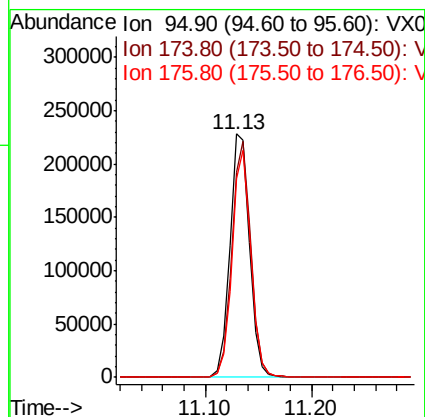
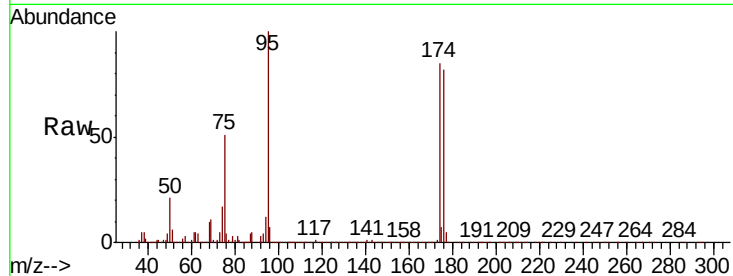




#62
4-Bromofluorobenzene
Concen: 50.572 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

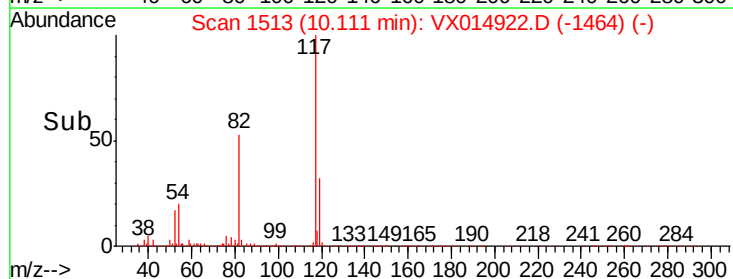
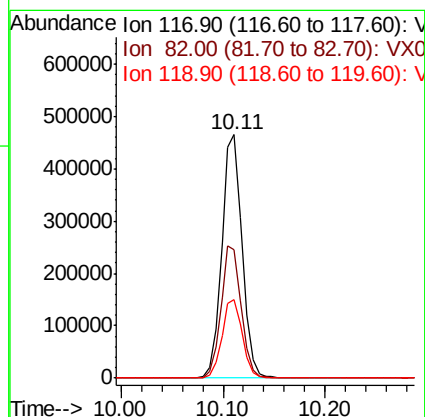
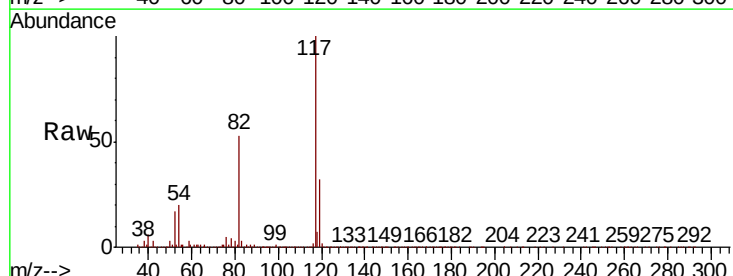
Instrument :
MSVOA_X
ClientSampleId :

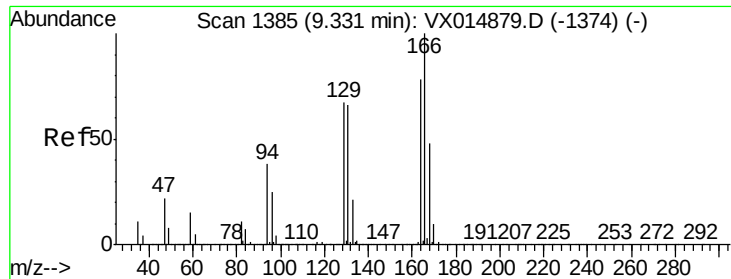
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	183.0
176	89.2	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	40.5	60.7
119	32.4	25.8	38.6

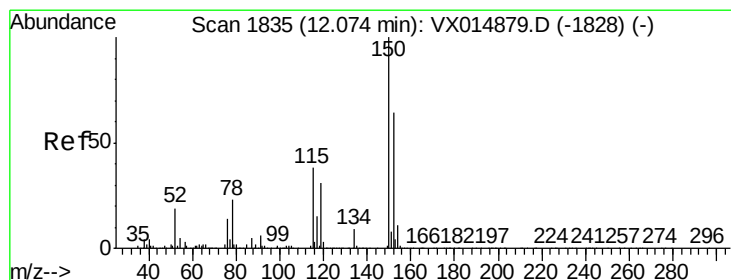
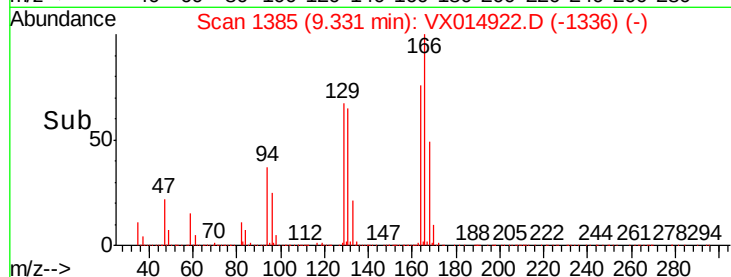
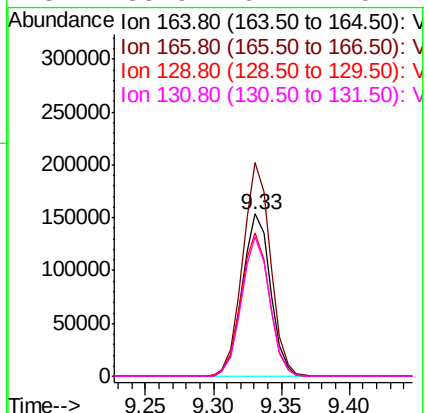
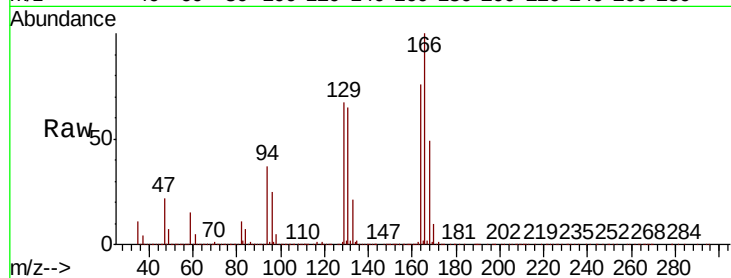




#64
Tetrachloroethene
Concen: 37.077 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

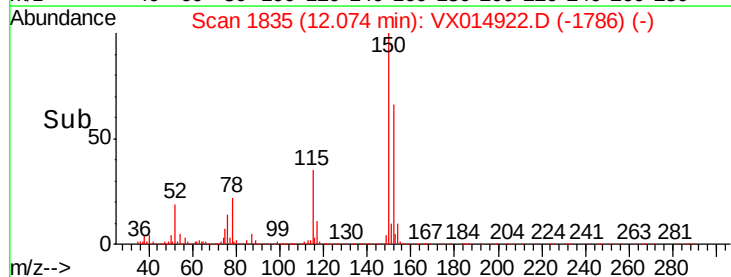
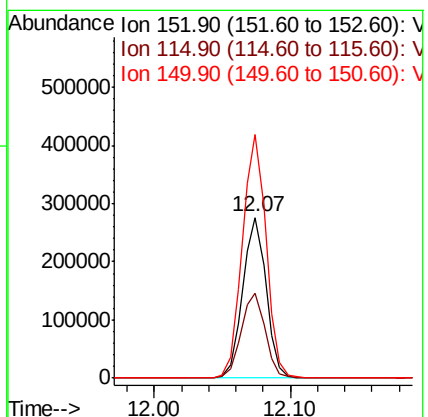
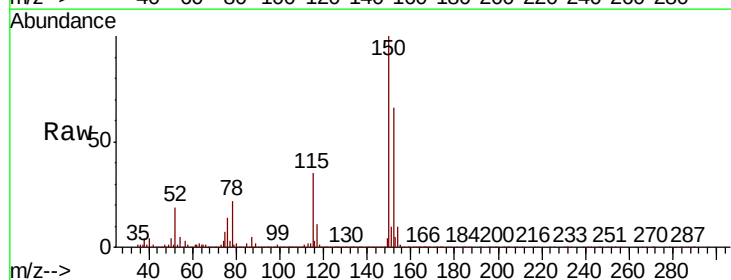
Instrument :
MSVOA_X
ClientSampleId :

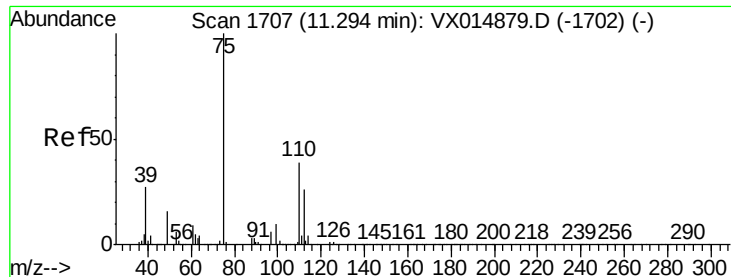
Tot Ion:	164	Resp:	223876
Ion	Ratio	Lower	Upper
164	100		
166	131.7	102.6	153.8
129	88.4	68.3	102.5
131	85.9	67.4	101.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014922.D
Acq: 12 Feb 2020 13:53

Tgt Ion:	152	Resp:	331274
Ion	Ratio	Lower	Upper
152	100		
115	53.8	38.6	116.0
150	153.7	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 24.524 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

Instrument :

MSVOA_X

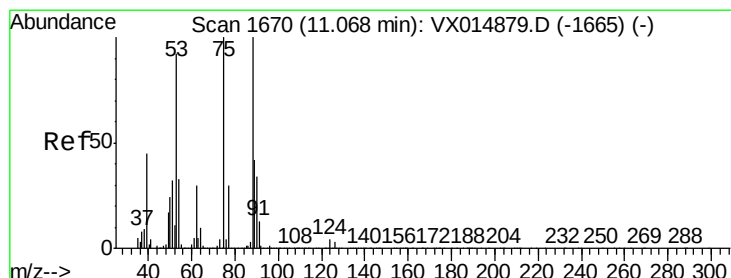
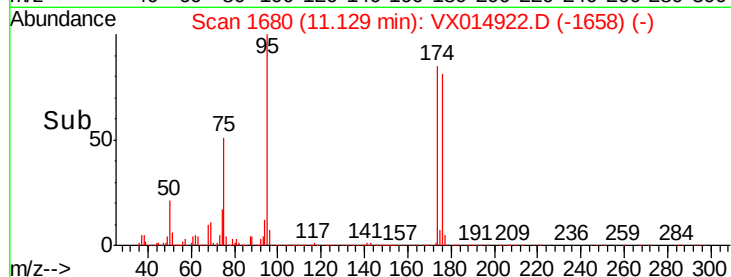
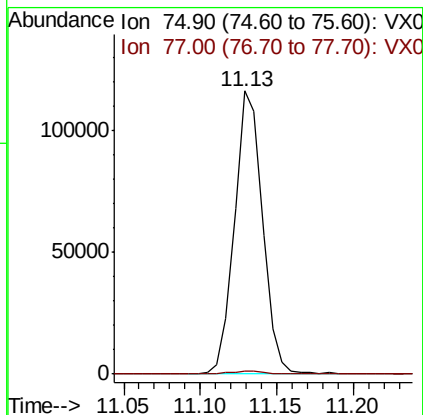
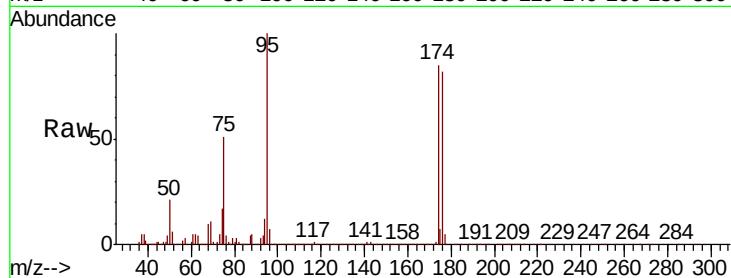
ClientSampleId :

Tot Ion: 75 Resp: 146913

Ion Ratio Lower Upper

75 100

77 1.3 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.775 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014922.D

Acq: 12 Feb 2020 13:53

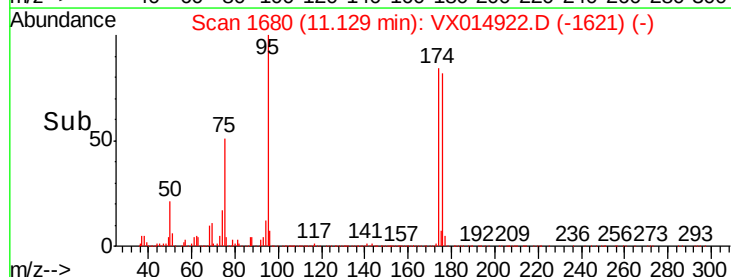
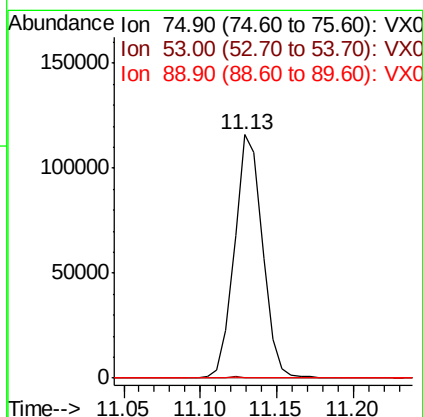
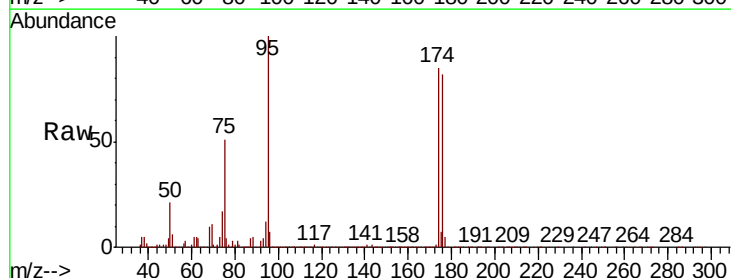
Tgt Ion: 75 Resp: 146913

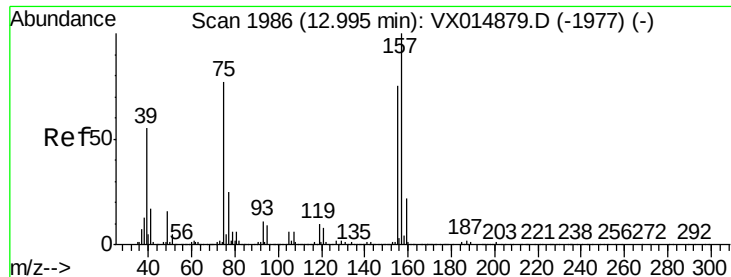
Ion Ratio Lower Upper

75 100

53 0.4 76.2 114.2#

89 0.0 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.233 ug/l
 RT: 12.99 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VX014922.D
 Acq: 12 Feb 2020 13:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 371
 Ion Ratio Lower Upper
 75 100
 155 71.2 48.6 145.9
 157 17.8 62.0 186.0#

