

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042320\
 Data File : VX015880.D
 Acq On : 23 Apr 2020 11:13
 Operator : JC/SP
 Sample : VX0423WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL01

Quant Time: Apr 24 03:26:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	859579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1301515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1256385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	666405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	473022	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	5.47	113	379790	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	8.70	98	1581459	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.12	95	644420	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

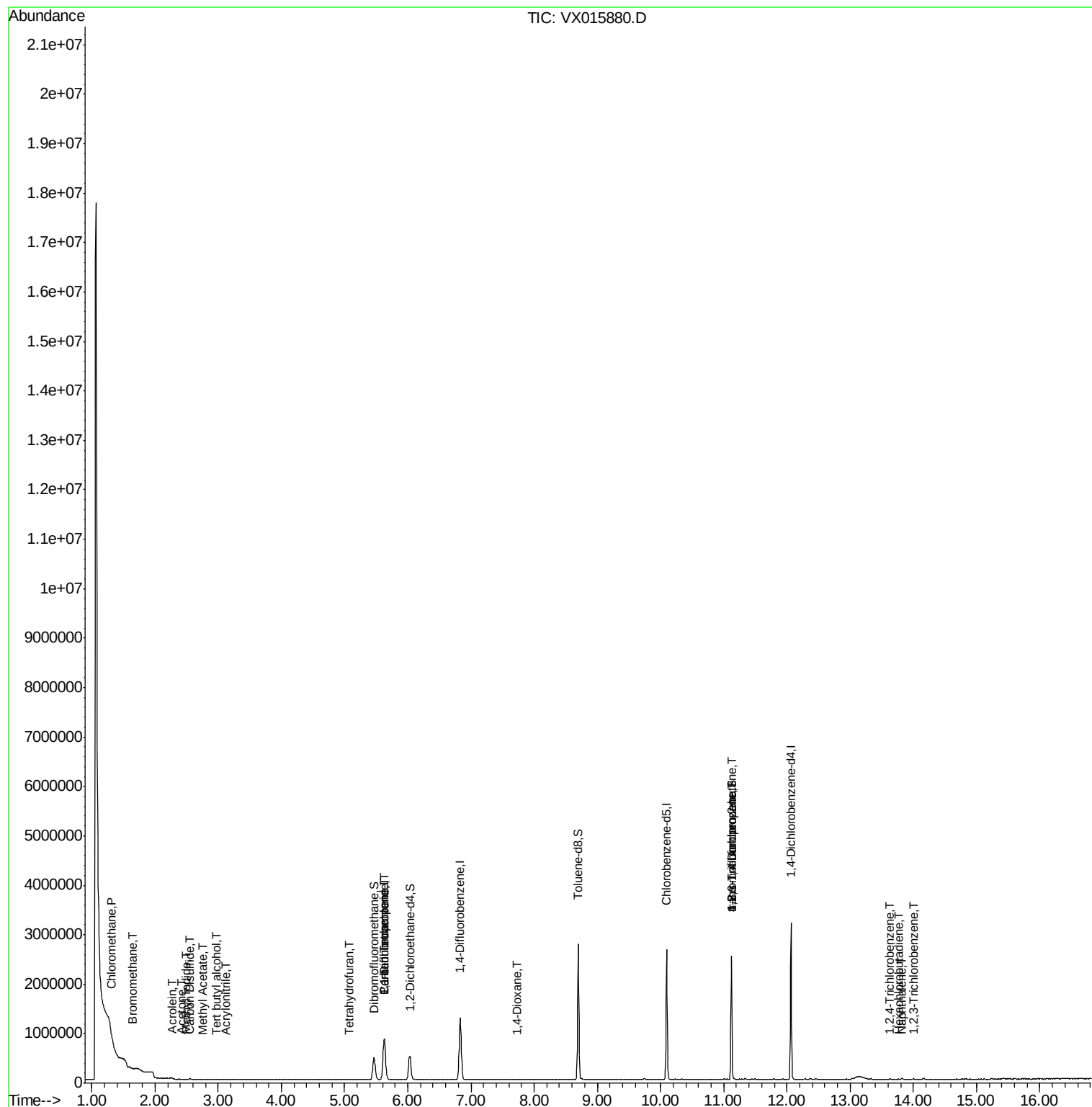
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2566	0.341	ug/l #	81
5) Bromomethane	1.64	94	1084	0.371	ug/l #	2
10) Methyl Iodide	2.49	142	2848	0.314	ug/l #	76
11) Tert butyl alcohol	2.97	59	403	0.202	ug/l #	1
13) Acrolein	2.28	56	955	0.808	ug/l #	30
15) Acrylonitrile	3.12	53	2771	0.598	ug/l #	79
16) Acetone	2.42	43	2944	0.692	ug/l #	45
17) Carbon Disulfide	2.55	76	16506	0.604	ug/l #	94
18) Methyl Acetate	2.75	43	5107	0.363	ug/l #	79
29) Tetrahydrofuran	5.08	42	1160	0.261	ug/l #	79
36) 1,1-Dichloropropene	5.63	75	59827	5.185	ug/l #	52
38) Carbon Tetrachloride	5.63	117	79569	7.001	ug/l #	17
49) 1,4-Dioxane	7.72	88	324	1.505	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	313933	24.773	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	313933	59.593	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	4454	0.281	ug/l	99
94) Hexachlorobutadiene	13.76	225	1775	0.250	ug/l	80
95) Naphthalene	13.82	128	14393	0.315	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.00	180	4589	0.297	ug/l	93

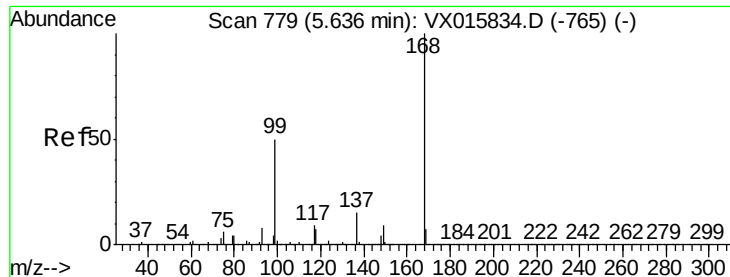
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

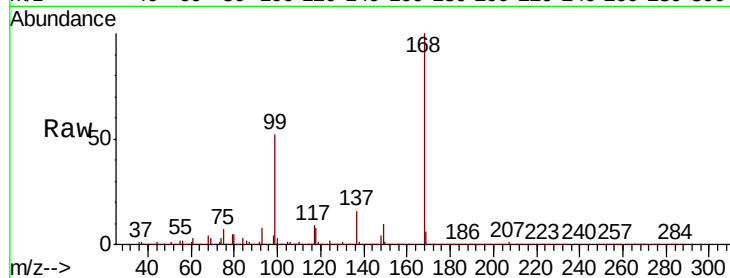
VX0423WBL01

Tot Ion:168 Resp: 859579

Ion Ratio Lower Upper

168 100

99 51.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

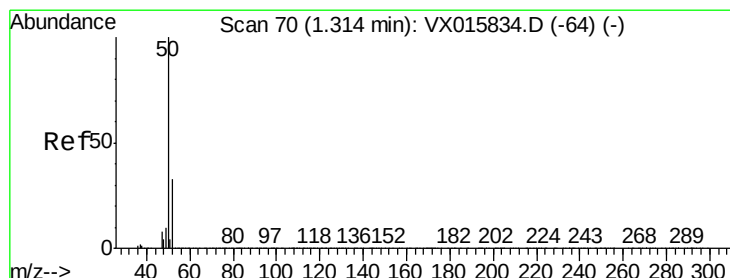
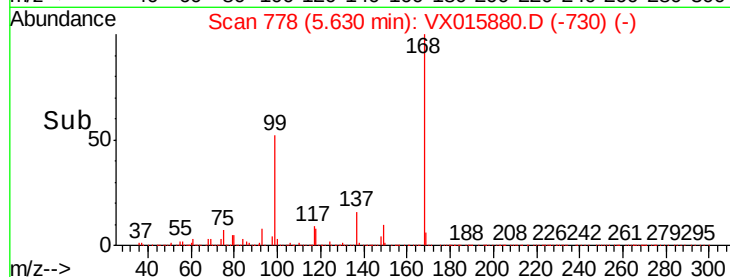
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.341 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015880.D

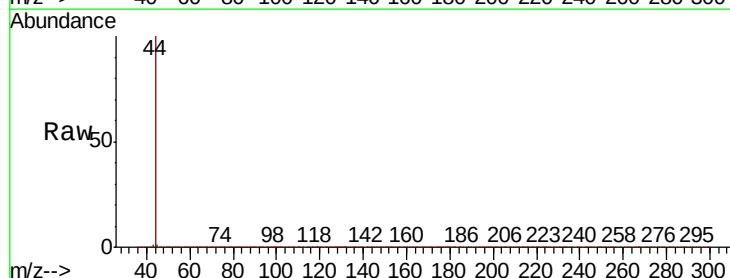
Acq: 23 Apr 2020 11:13

Tgt Ion: 50 Resp: 2566

Ion Ratio Lower Upper

50 100

52 43.6 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

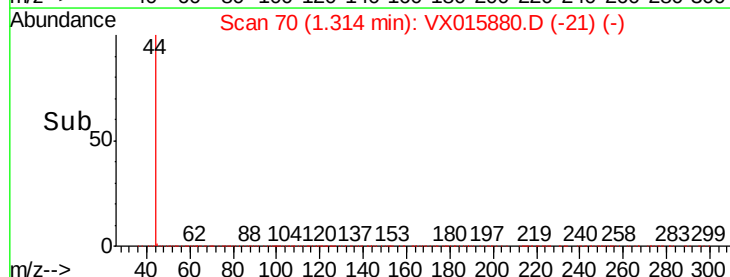
1500

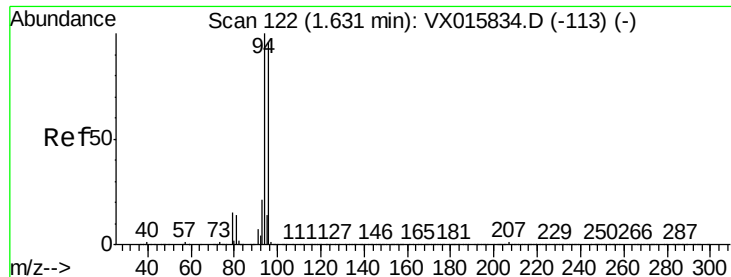
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.371 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

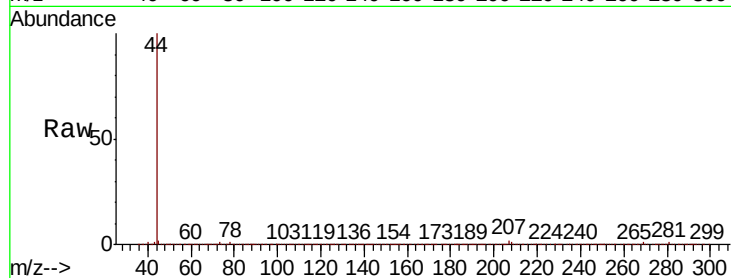
VX0423WBL01

Tot Ion: 94 Resp: 1084

Ion Ratio Lower Upper

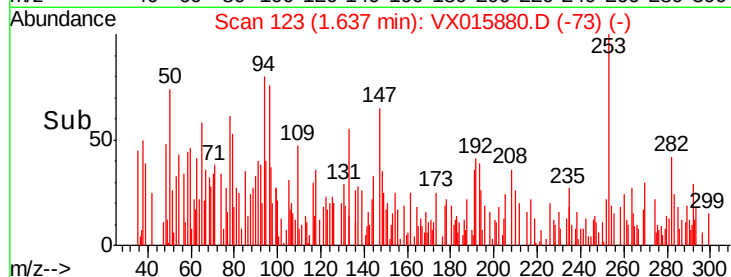
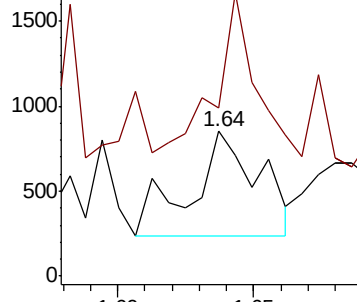
94 100

96 0.0 76.7 115.1#

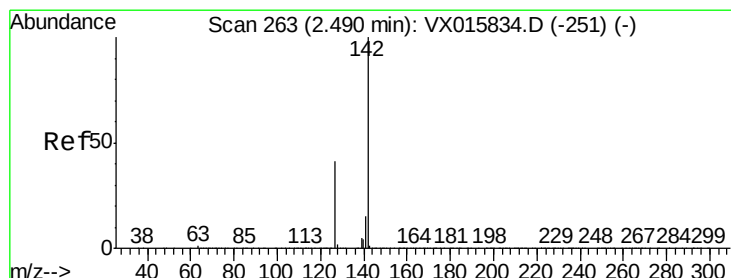


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 0.314 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

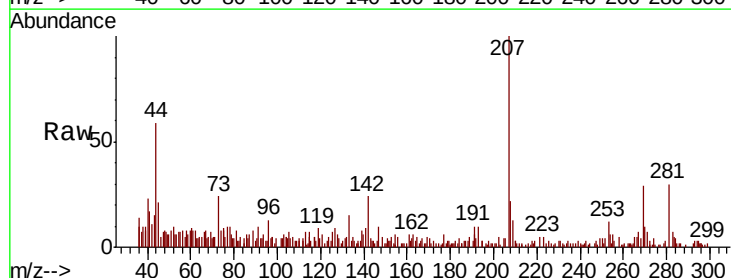
Tgt Ion: 142 Resp: 2848

Ion Ratio Lower Upper

142 100

127 48.7 33.3 49.9

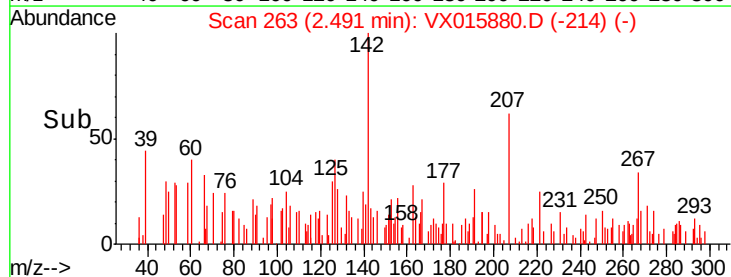
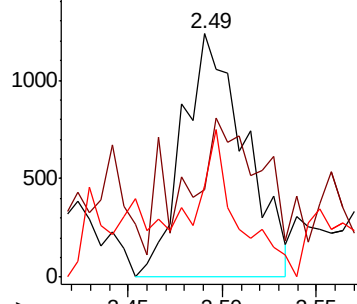
141 40.1 11.8 17.6#



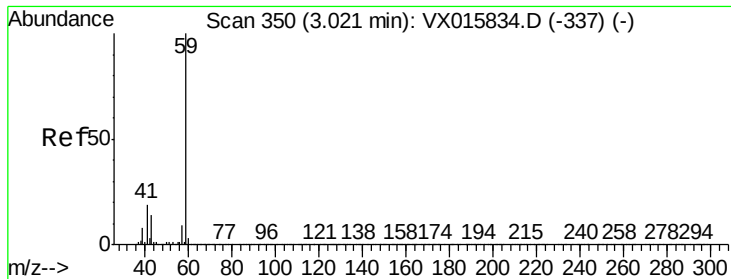
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



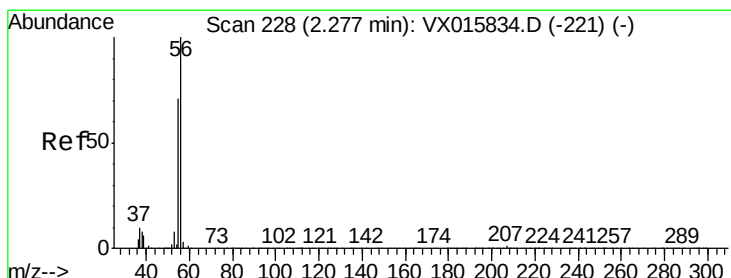
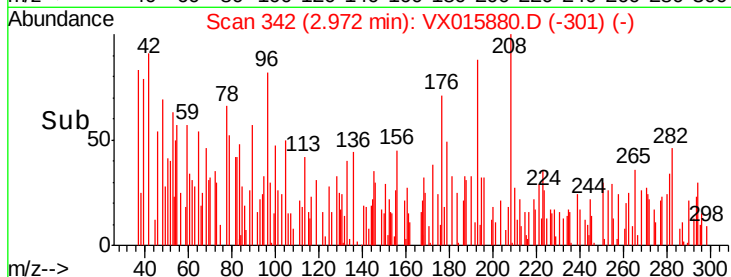
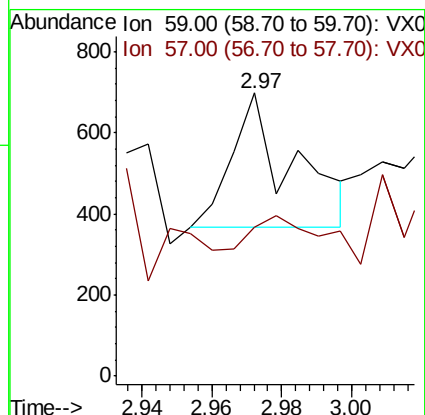
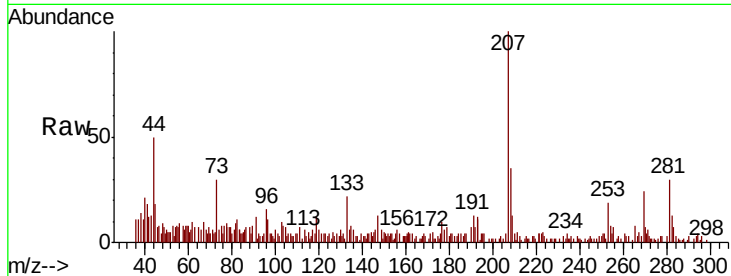
Time-->



#11
Tert butyl alcohol
Concen: 0.202 ug/l
RT: 2.97 min Scan# 342
Delta R.T. -0.05 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

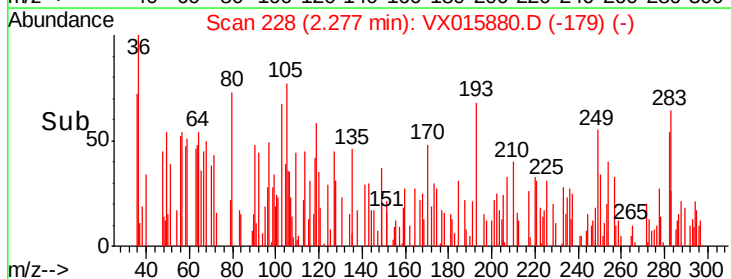
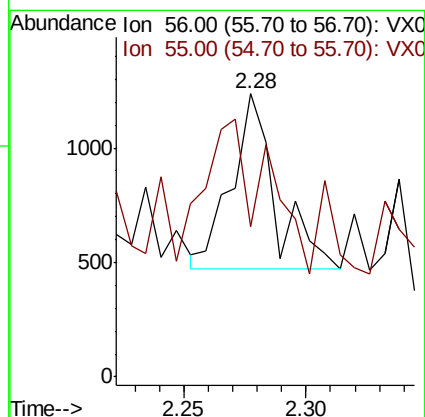
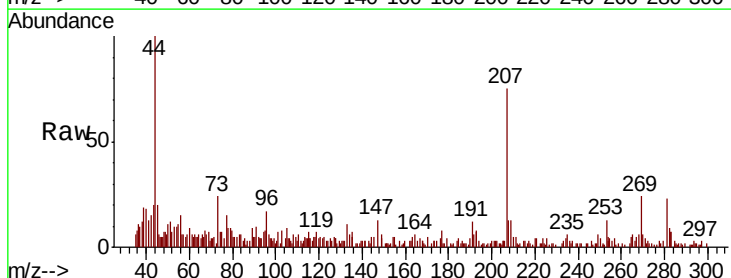
Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL01

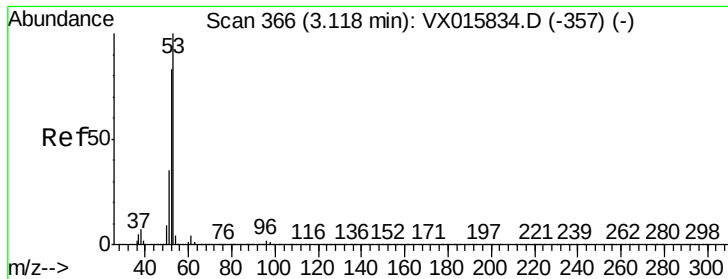
Tot Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 54.1 8.2 12.2#



#13
Acrolein
Concen: 0.808 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.00 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

Tgt Ion: 56 Resp: 955
Ion Ratio Lower Upper
56 100
55 127.7 56.1 84.1#





#15

Acrylonitrile

Concen: 0.598 ug/l

RT: 3.12 min Scan# 366

Delta R.T. 0.00 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL01

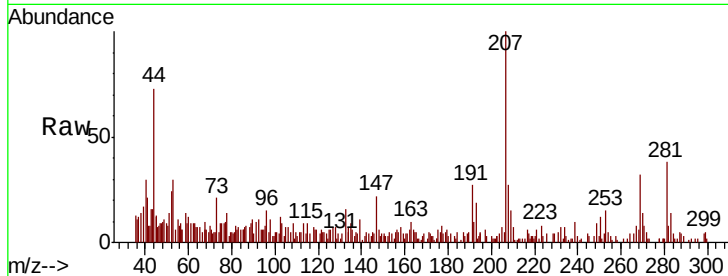
Tot Ion: 53 Resp: 2771

Ion Ratio Lower Upper

53 100

52 56.3 66.2 99.4#

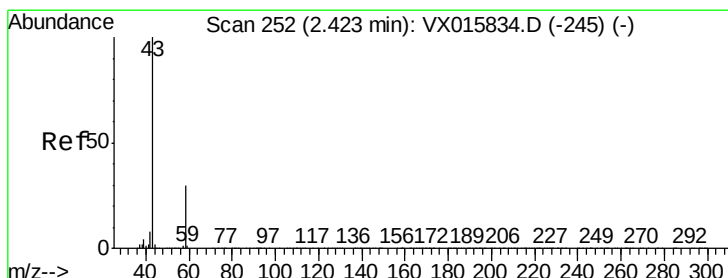
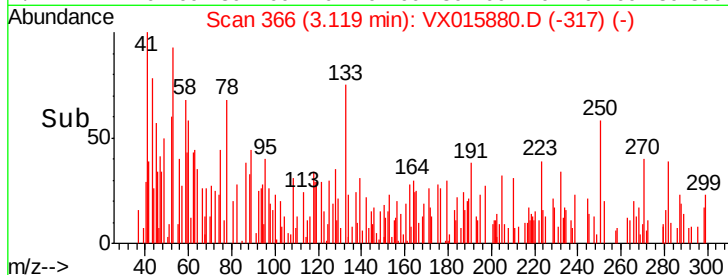
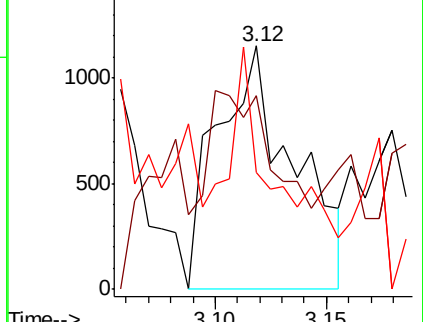
51 36.1 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.692 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015880.D

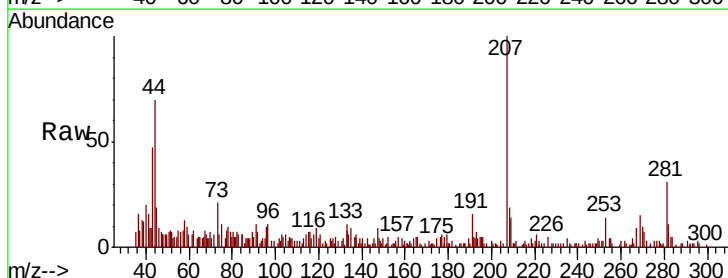
Acq: 23 Apr 2020 11:13

Tgt Ion: 43 Resp: 2944

Ion Ratio Lower Upper

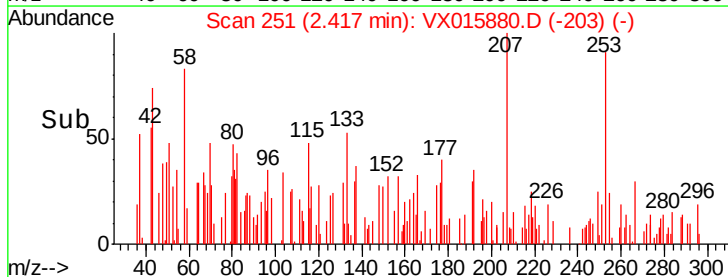
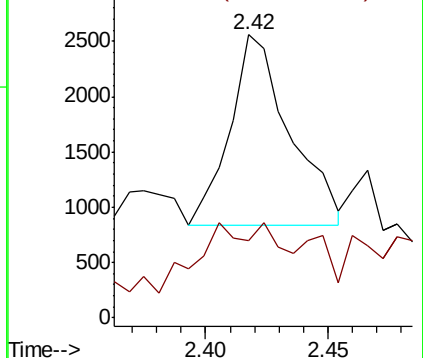
43 100

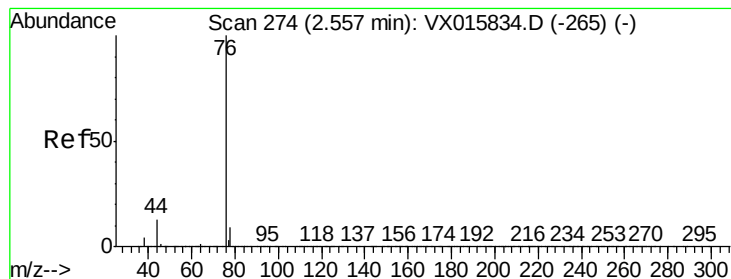
58 0.0 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.604 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

Instrument :

MSVOA_X

ClientSampled :

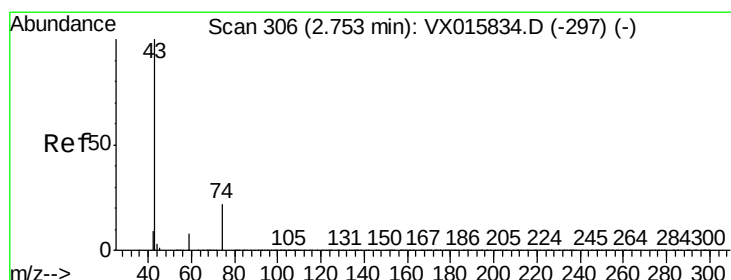
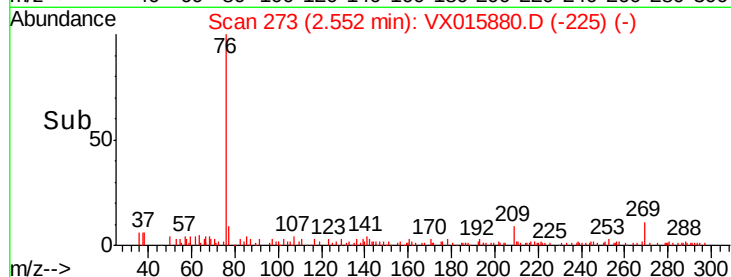
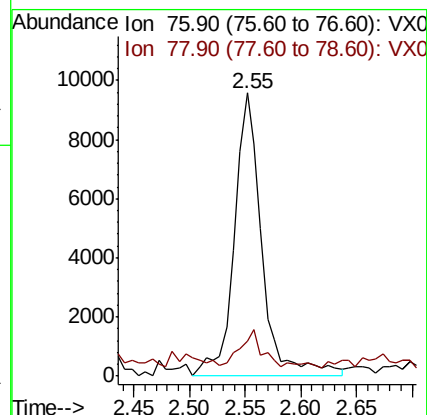
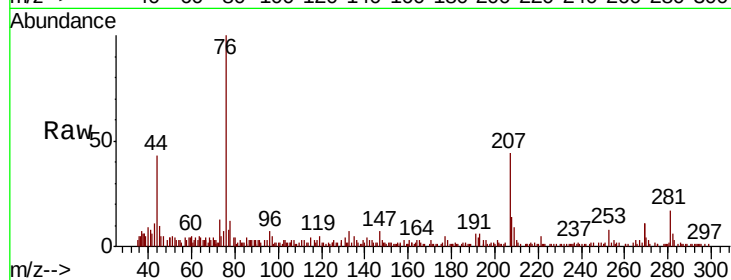
VX0423WBL01

Tot Ion: 76 Resp: 16506

Ion Ratio Lower Upper

76 100

78 7.1 7.4 11.2#



#18

Methyl Acetate

Concen: 0.363 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015880.D

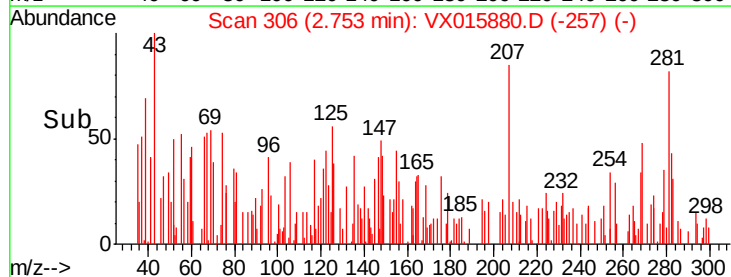
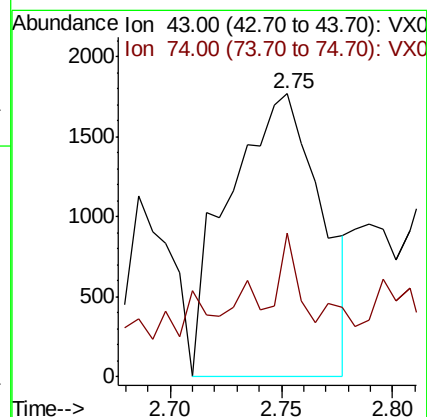
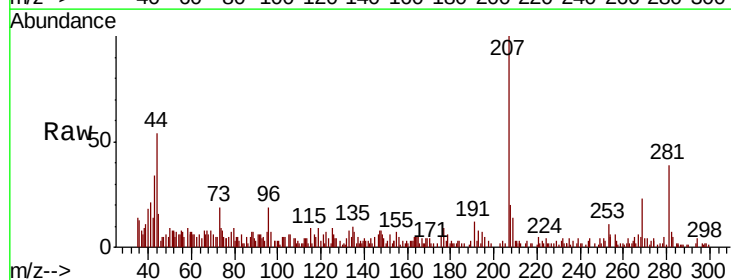
Acq: 23 Apr 2020 11:13

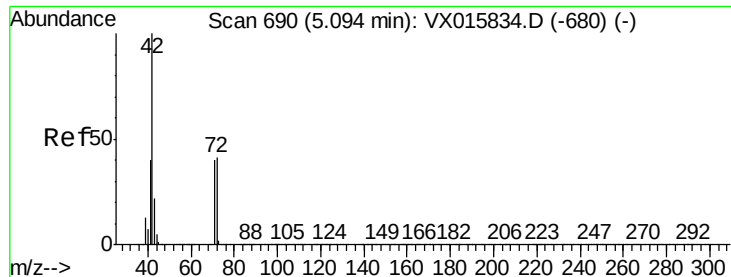
Tgt Ion: 43 Resp: 5107

Ion Ratio Lower Upper

43 100

74 12.3 17.9 26.9#





#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 5.08 min Scan# 687

Delta R.T. -0.02 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

Instrument :

MSVOA_X

ClientSampled :

VX0423WBL01

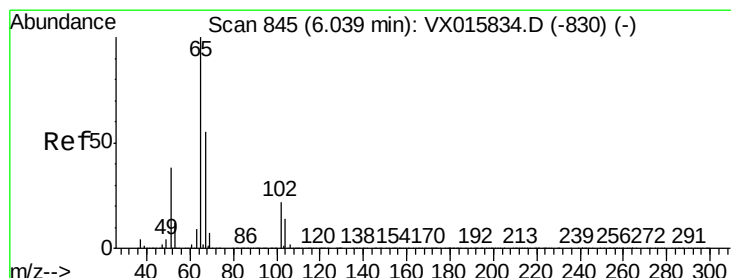
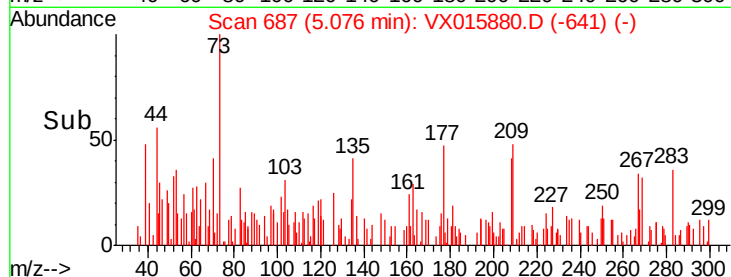
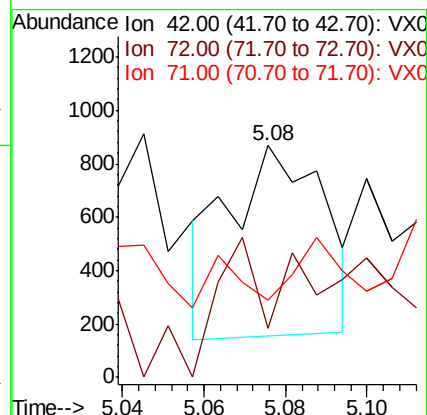
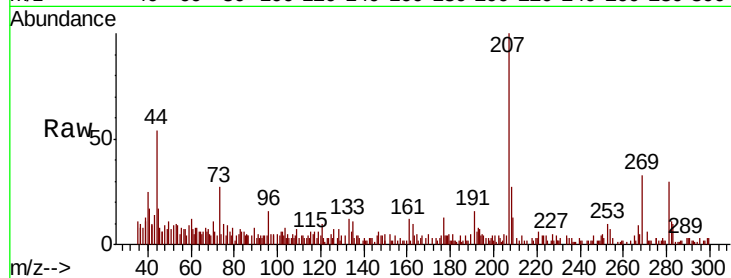
Tot Ion: 42 Resp: 1160

Ion Ratio Lower Upper

42 100

72 33.5 33.0 49.6

71 20.0 30.6 45.8#



#33

1,2-Dichloroethane-d4

Concen: 48.384 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015880.D

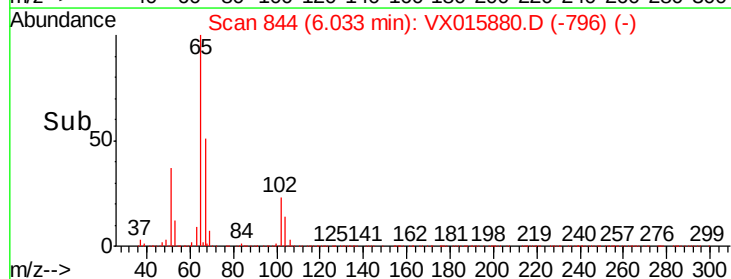
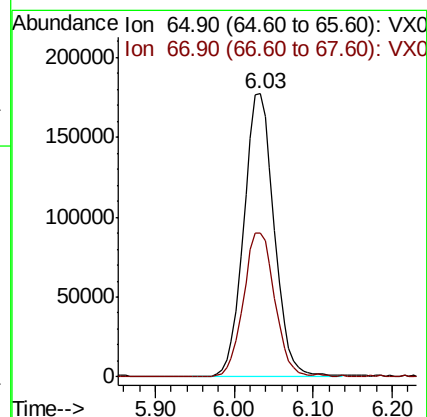
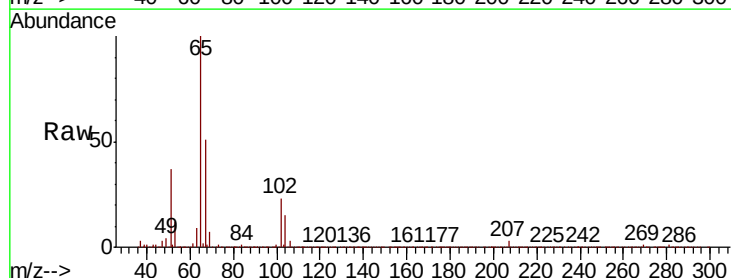
Acq: 23 Apr 2020 11:13

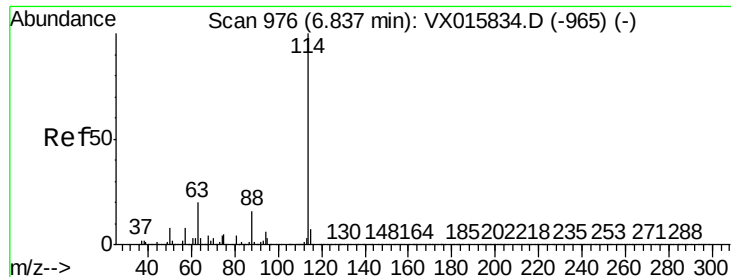
Tgt Ion: 65 Resp: 473022

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.2

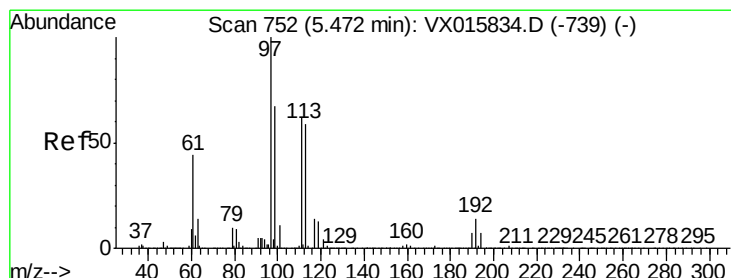
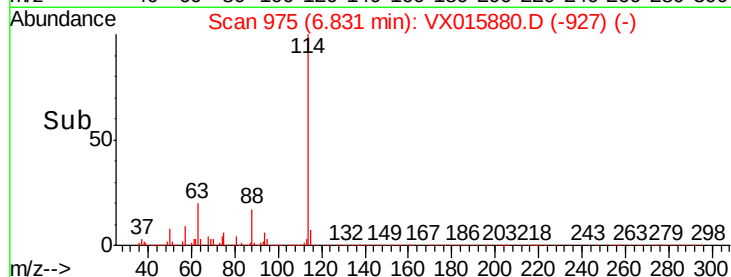
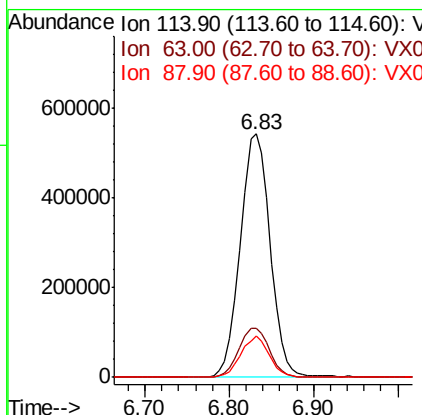
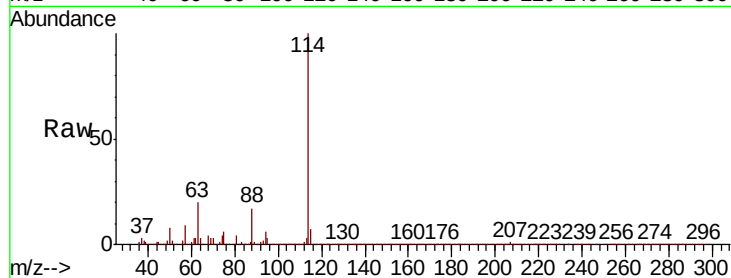




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015880.D
 Acq: 23 Apr 2020 11:13

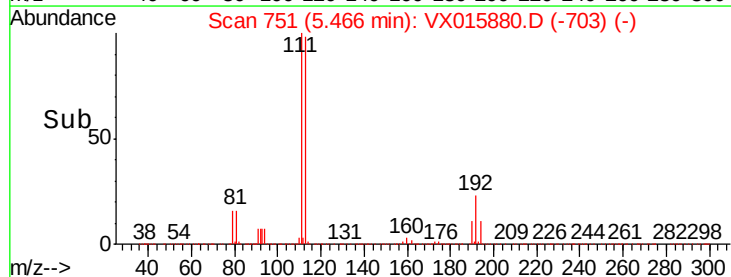
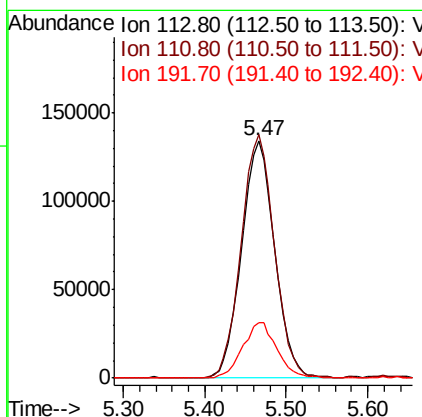
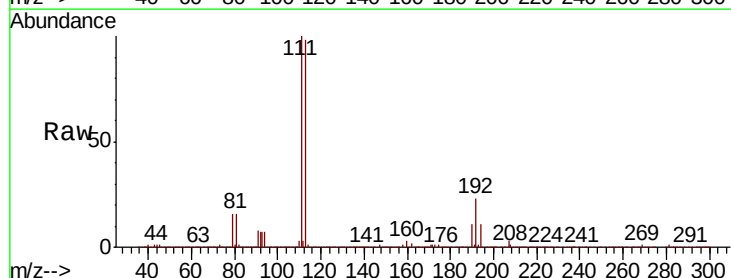
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL01

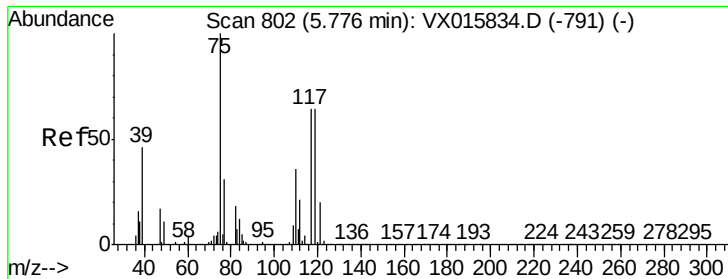
Tot Ion:114 Resp: 1301515
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.6
 88 17.2 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 50.553 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015880.D
 Acq: 23 Apr 2020 11:13

Tgt Ion:113 Resp: 379790
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.7 124.1
 192 24.2 19.3 28.9

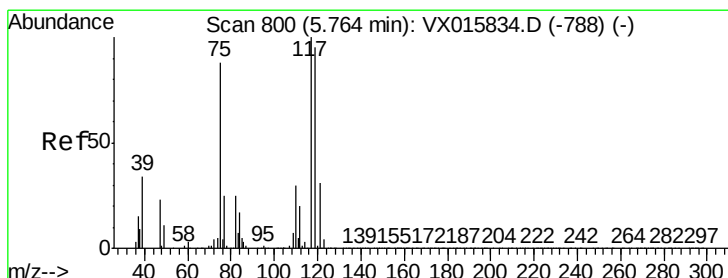
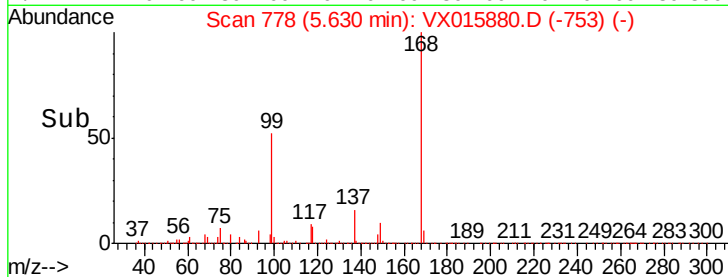
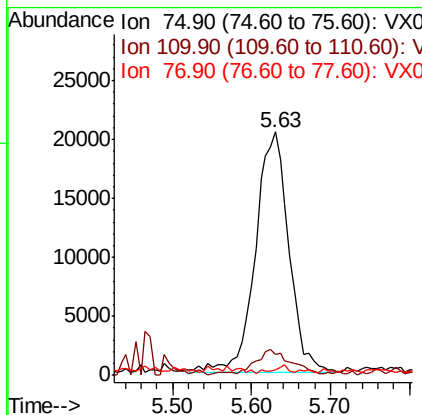
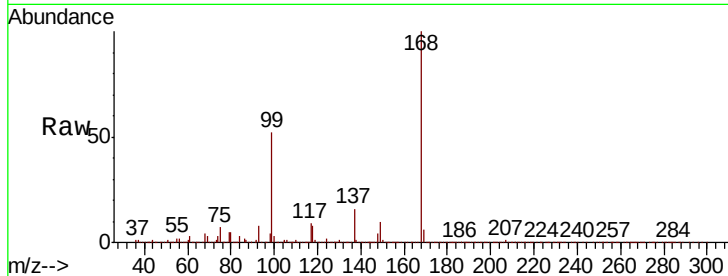




#36
 1,1-Dichloropropene
 Concen: 5.185 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.15 min
 Lab File: VX015880.D
 Acq: 23 Apr 2020 11:13

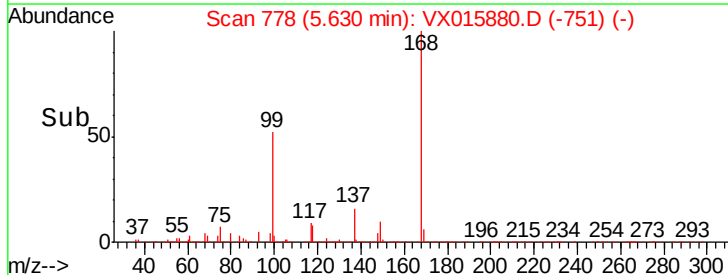
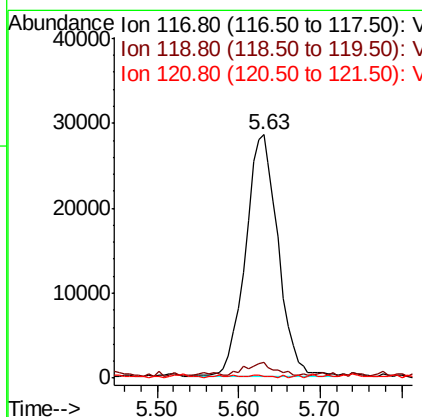
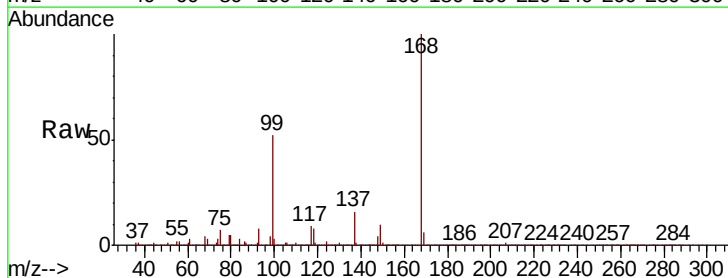
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL01

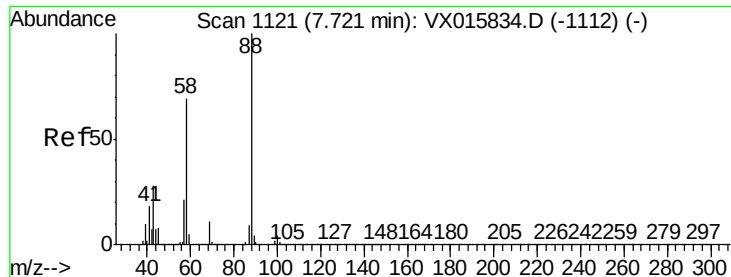
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.9	53.8#
77	1.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 7.001 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015880.D
 Acq: 23 Apr 2020 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.7	113.5#
121	0.0	25.0	37.6#

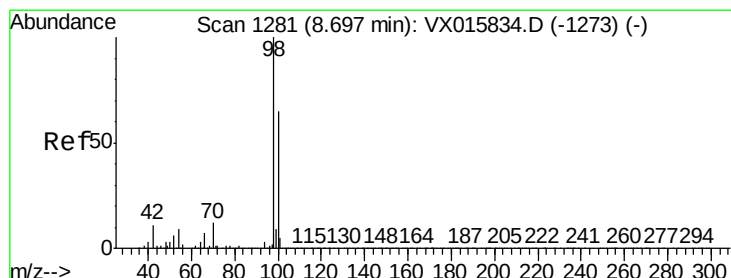
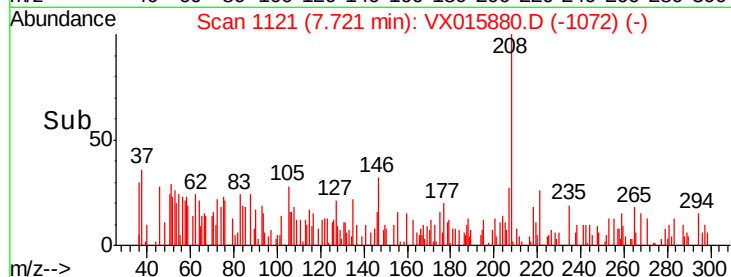
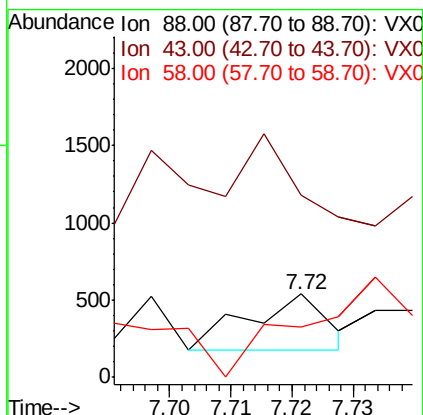
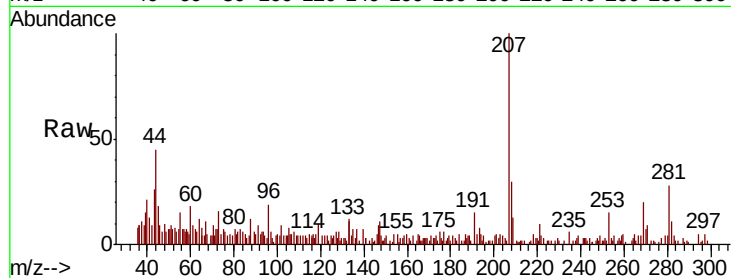




#49
1,4-Dioxane
Concen: 1.505 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

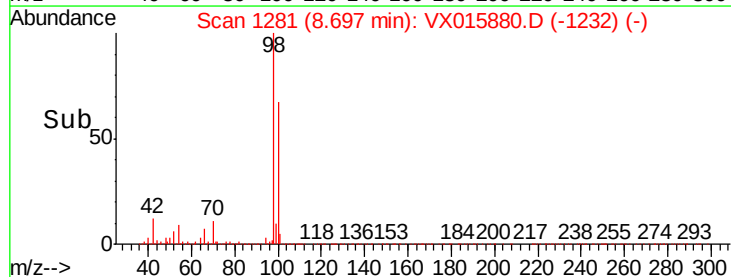
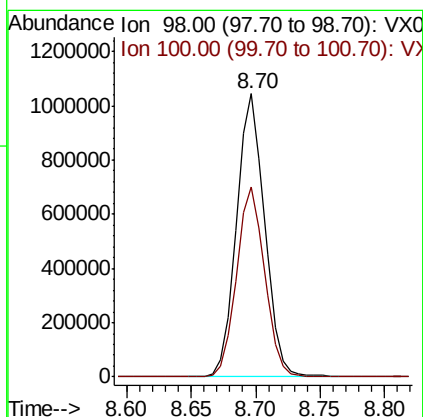
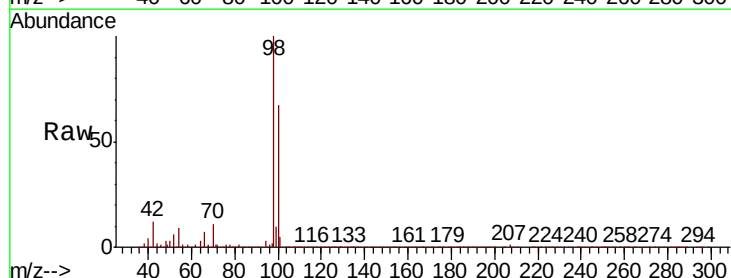
Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL01

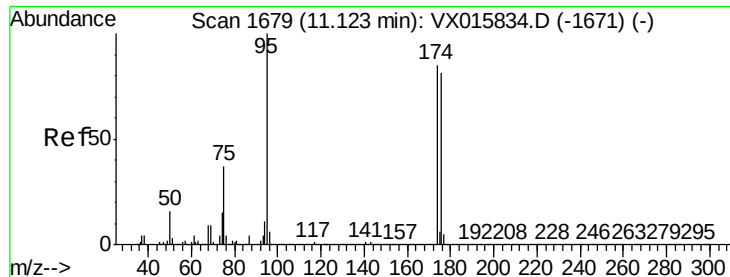
Tot Ion: 88 Resp: 324
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 238.3 58.9 88.3#



#50
Toluene-d8
Concen: 52.291 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

Tgt Ion: 98 Resp: 1581459
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.6

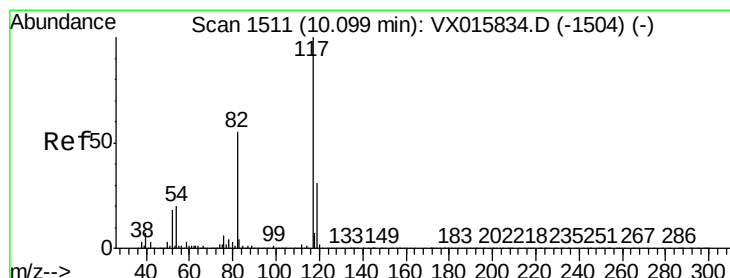
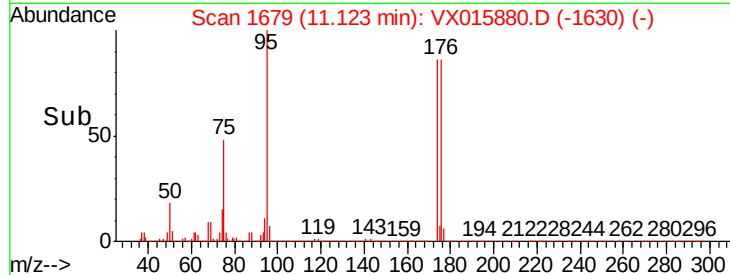
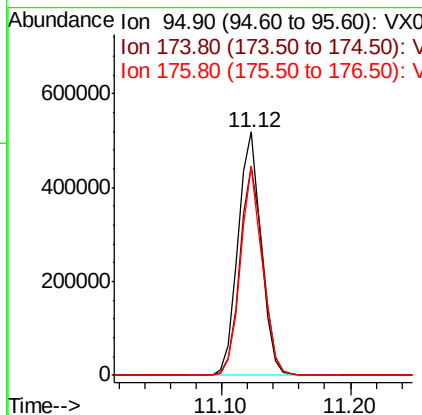
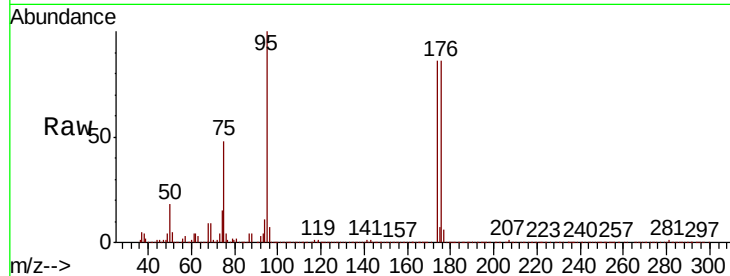




#62
4-Bromofluorobenzene
Concen: 51.942 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

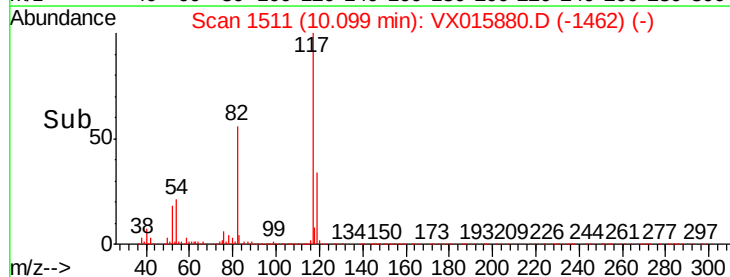
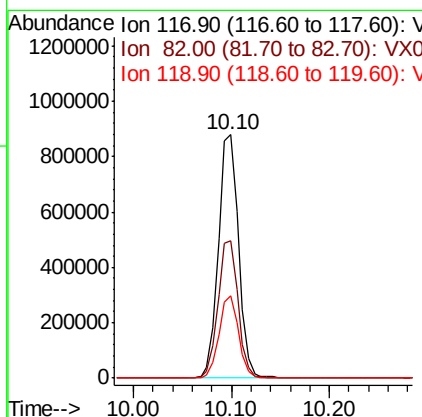
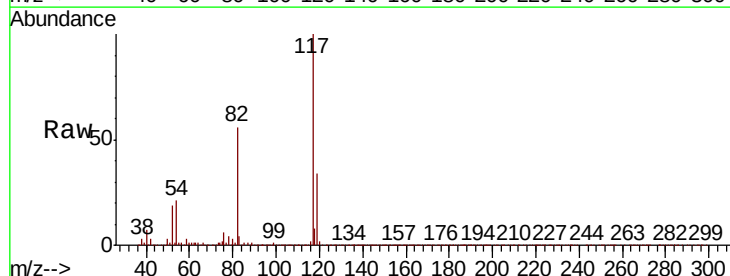
Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL01

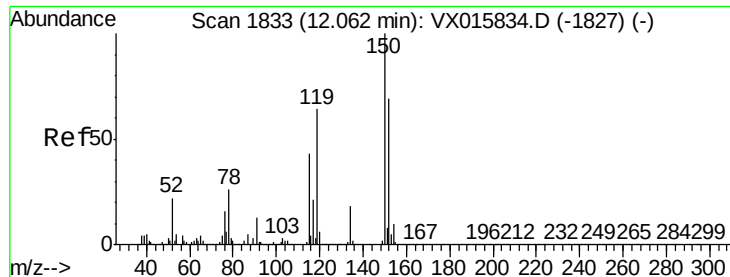
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	172.4
176	81.5	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.9	65.9
119	34.0	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL01

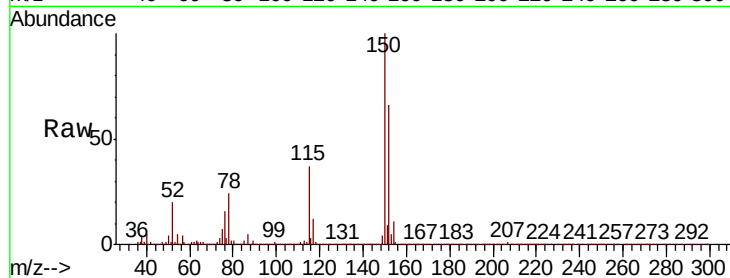
Tot Ion:152 Resp: 666405

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

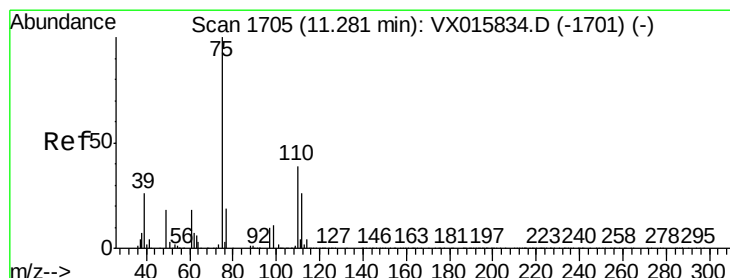
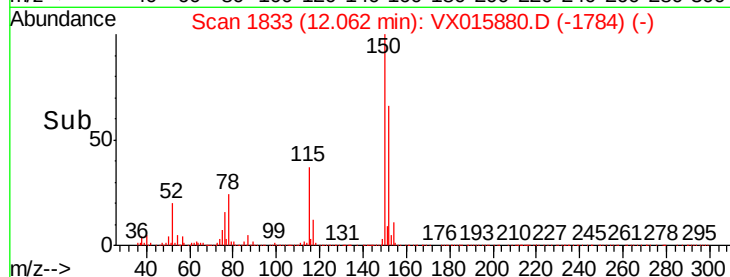
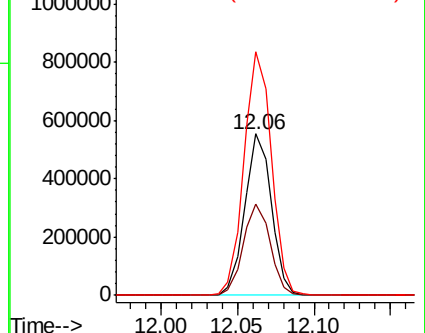
150 155.8 0.0 336.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.773 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015880.D

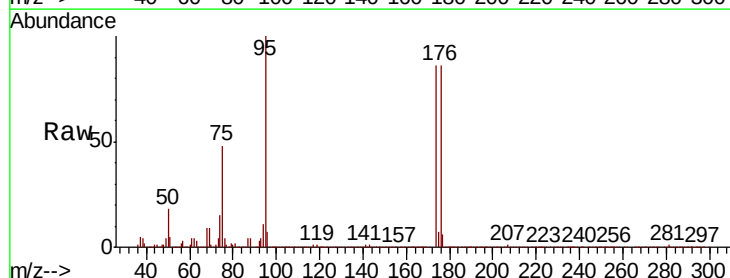
Acq: 23 Apr 2020 11:13

Tgt Ion: 75 Resp: 313933

Ion Ratio Lower Upper

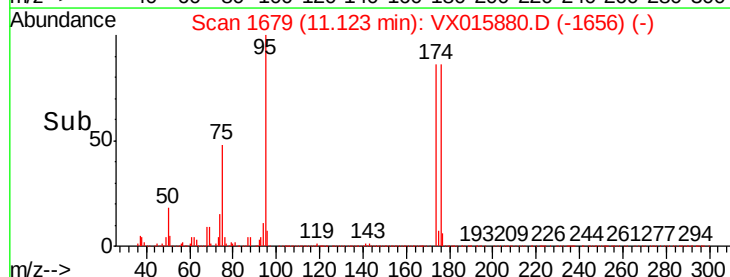
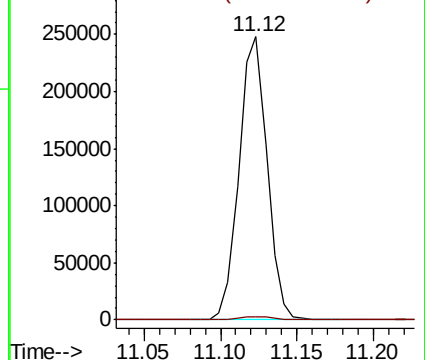
75 100

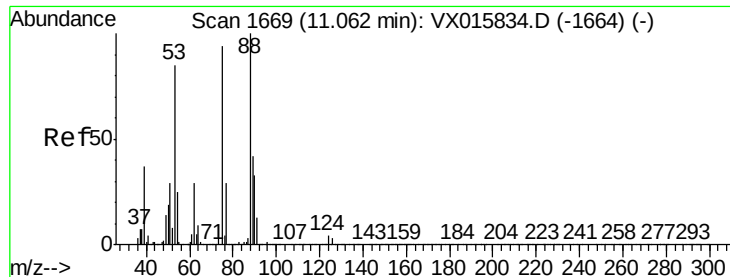
77 1.4 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.593 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL01

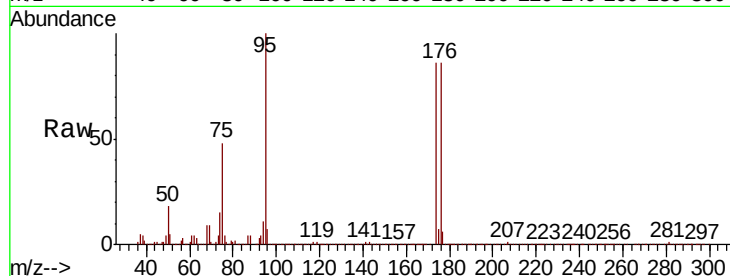
Tot Ion: 75 Resp: 313933

Ion Ratio Lower Upper

75 100

53 0.2 74.2 111.2#

89 0.0 38.0 57.0#

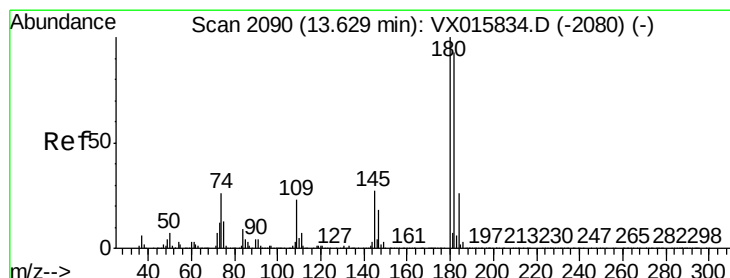
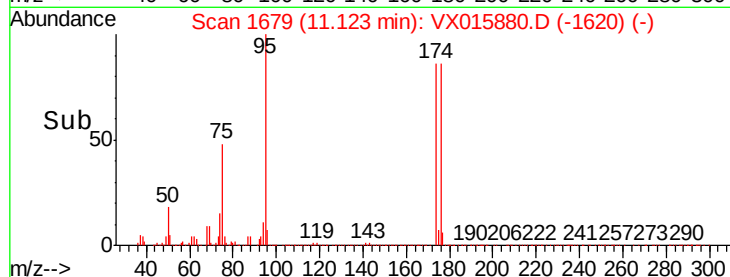
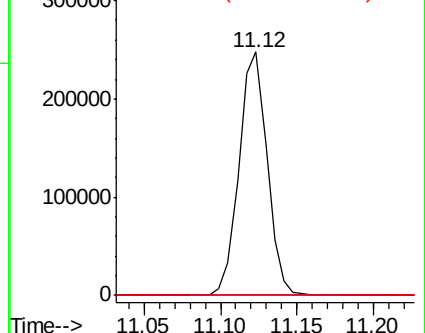


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 0.281 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VX015880.D

Acq: 23 Apr 2020 11:13

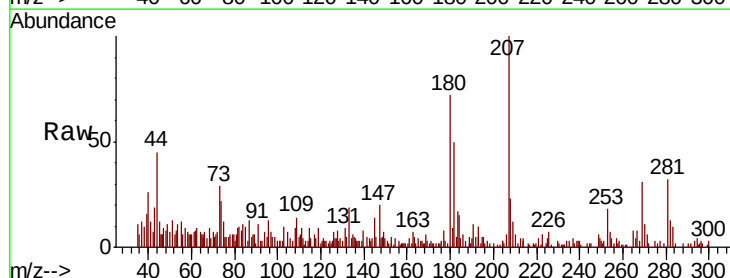
Tgt Ion: 180 Resp: 4454

Ion Ratio Lower Upper

180 100

182 94.1 47.7 143.1

145 28.7 14.5 43.5

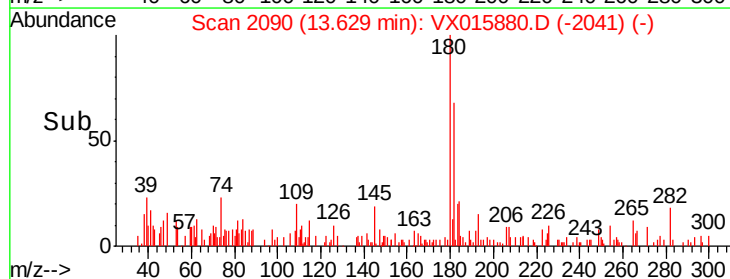
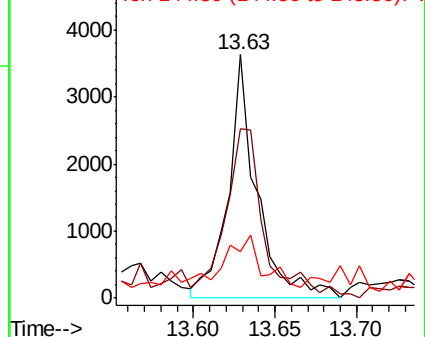


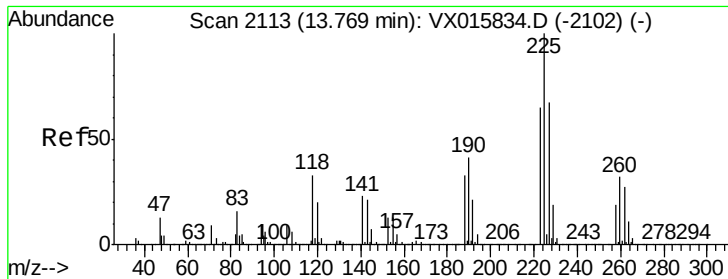
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

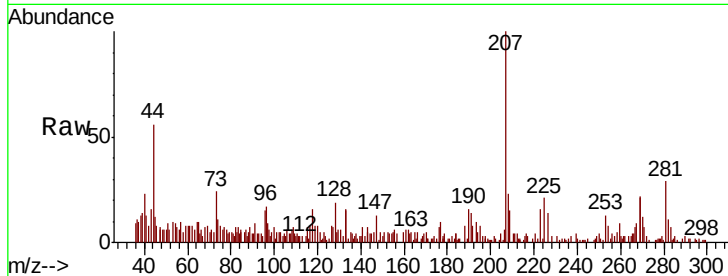




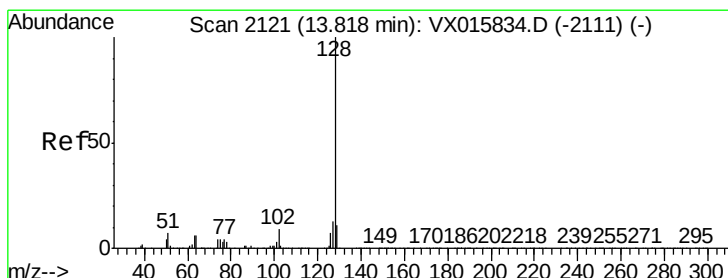
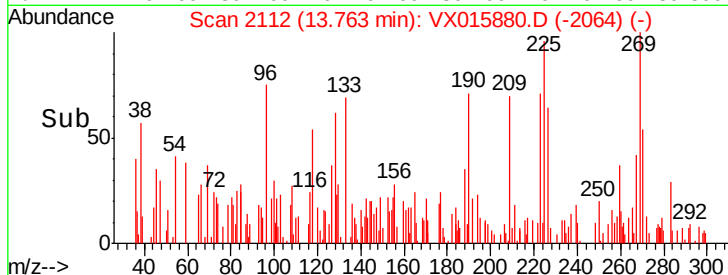
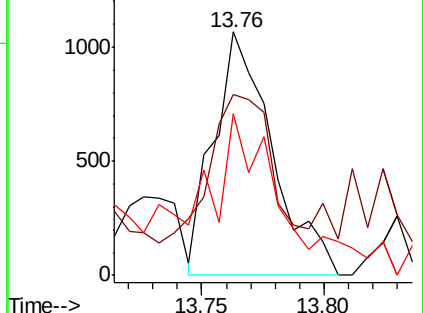
#94
Hexachlorobutadiene
Concen: 0.250 ug/l
RT: 13.76 min Scan# 2112
Delta R.T. -0.01 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

Instrument :
MSVOA_X
ClientSampled :
VX0423WBL01

Tot Ion:225 Resp: 1775
Ion Ratio Lower Upper
225 100
223 65.4 31.3 93.8
227 93.4 32.6 97.8

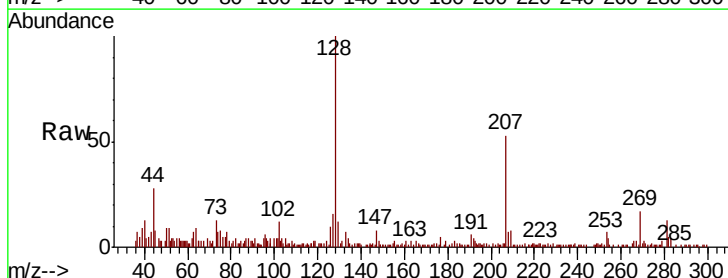


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

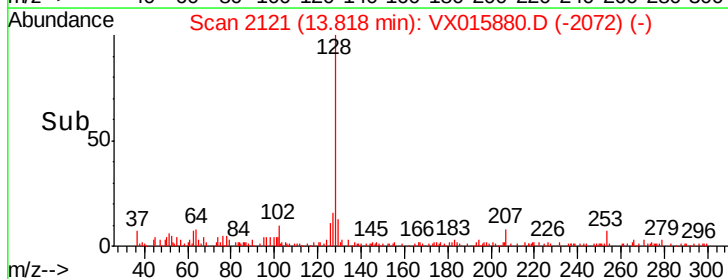
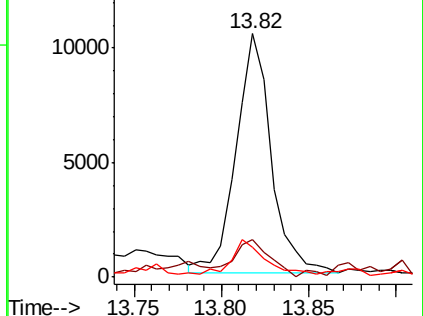


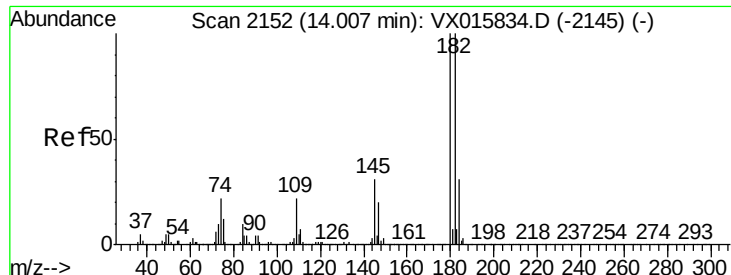
#95
Naphthalene
Concen: 0.315 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015880.D
Acq: 23 Apr 2020 11:13

Tgt Ion:128 Resp: 14393
Ion Ratio Lower Upper
128 100
127 16.6 10.5 15.7#
129 13.4 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.297 ug/l
 RT: 14.00 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: VX015880.D
 Acq: 23 Apr 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	41.9	15.2	45.5

