

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015905.D
 Acq On : 23 Apr 2020 21:33
 Operator : JC/SP
 Sample : VX0423WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL02

Quant Time: Apr 24 03:37:48 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	5.64	168	855197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1331481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1291669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	731500	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	499047	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.62%		
35) Dibromofluoromethane	5.47	113	390512	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.62%		
50) Toluene-d8	8.70	98	1606668	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.86%		
62) 4-Bromofluorobenzene	11.12	95	677594	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.78%		

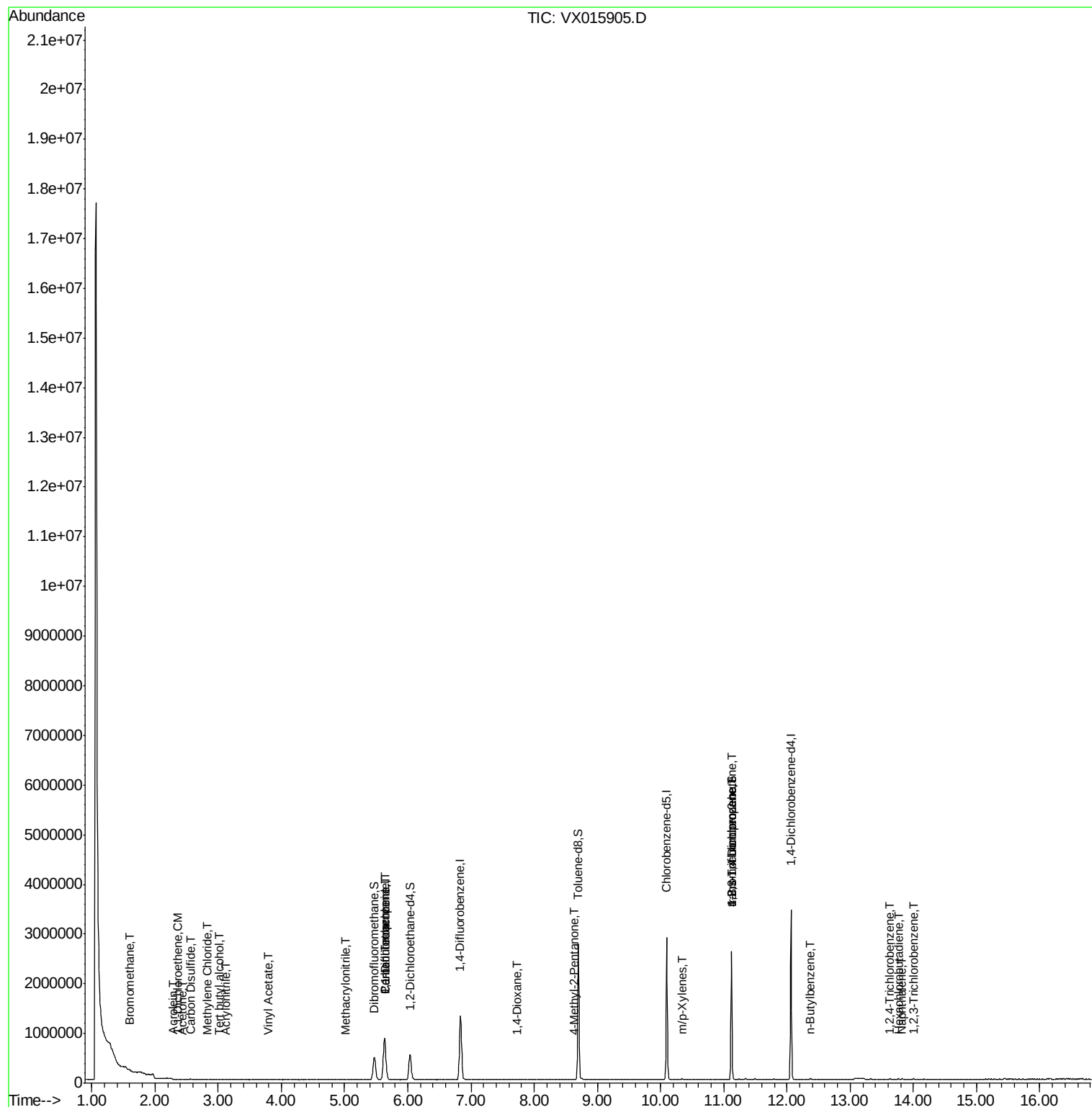
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	832	0.286	ug/l #	24
11) Tert butyl alcohol	3.02	59	451	0.227	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	1548	0.207	ug/l #	32
13) Acrolein	2.29	56	513	0.436	ug/l #	53
15) Acrylonitrile	3.12	53	1436	0.311	ug/l #	72
16) Acetone	2.42	43	2977	0.703	ug/l	95
17) Carbon Disulfide	2.55	76	14706	0.541	ug/l	98
20) Methylene Chloride	2.83	84	2002	0.233	ug/l #	38
23) Vinyl Acetate	3.78	43	6231	0.262	ug/l #	73
36) 1,1-Dichloropropene	5.63	75	60043	5.087	ug/l #	51
38) Carbon Tetrachloride	5.64	117	77903	6.700	ug/l #	17
41) Methacrylonitrile	5.01	41	2233	0.286	ug/l #	46
49) 1,4-Dioxane	7.73	88	342	1.552	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	2850	0.208	ug/l #	69
68) m/p-Xylenes	10.34	106	4098	0.241	ug/l #	73
76) 1,2,3-Trichloropropane	11.12	75	335189	24.097	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	335189	57.966	ug/l #	12
89) n-Butylbenzene	12.37	91	8481	0.219	ug/l	90
93) 1,2,4-Trichlorobenzene	13.63	180	5370	0.308	ug/l	93
94) Hexachlorobutadiene	13.76	225	2717	0.348	ug/l	92
95) Naphthalene	13.82	128	10499	0.210	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.01	180	4876	0.287	ug/l	98

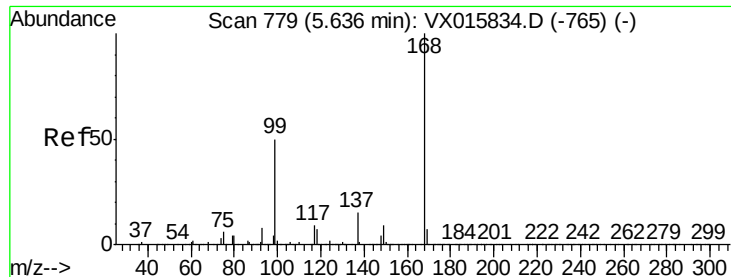
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\
Data File : VX015905.D
Acq On : 23 Apr 2020 21:33
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Sample : VX0423WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL02

Quant Time: Apr 24 03:37:48 2020
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: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

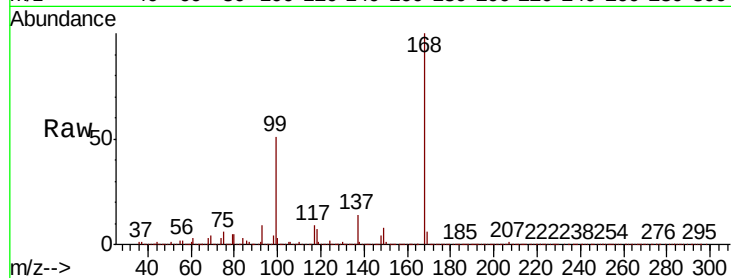
VX0423WBL02

Tot Ion:168 Resp: 855197

Ion Ratio Lower Upper

168 100

99 51.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

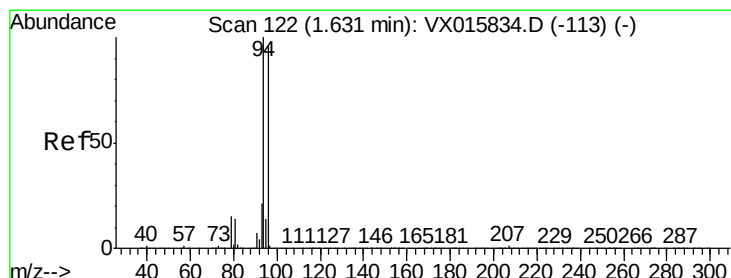
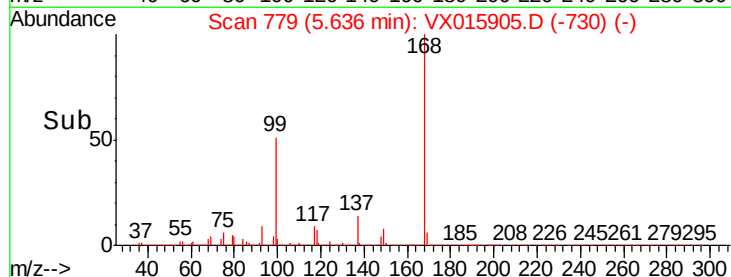
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.286 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX015905.D

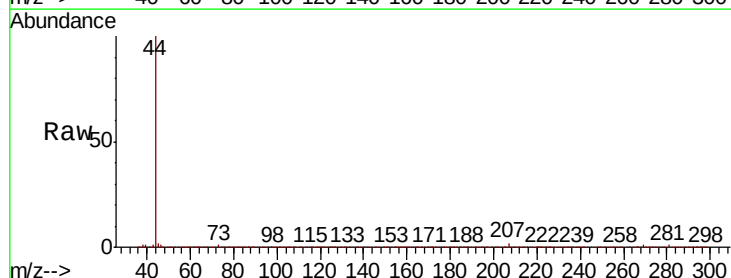
Acq: 23 Apr 2020 21:33

Tgt Ion: 94 Resp: 832

Ion Ratio Lower Upper

94 100

96 21.3 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

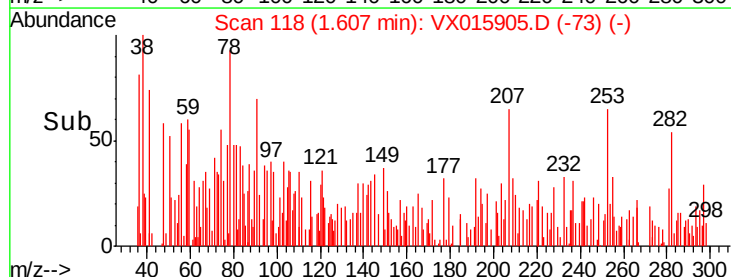
1.61

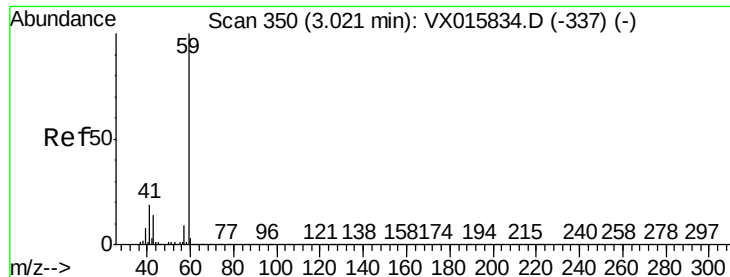
1000

500

0

Time-->



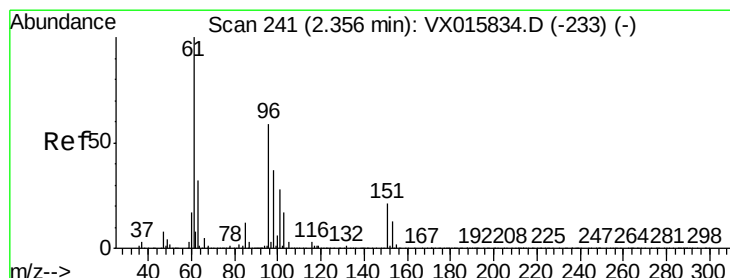
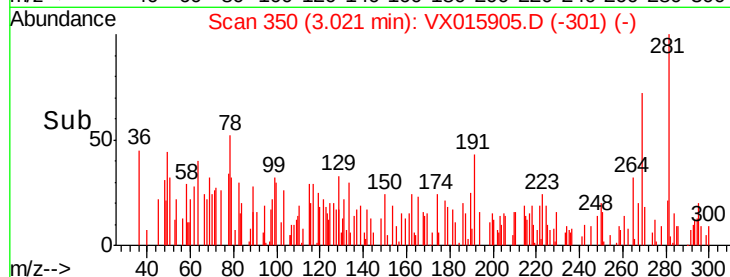
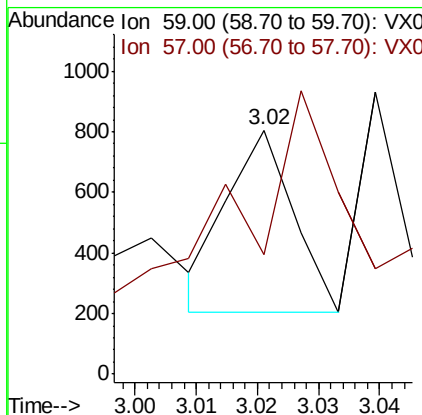
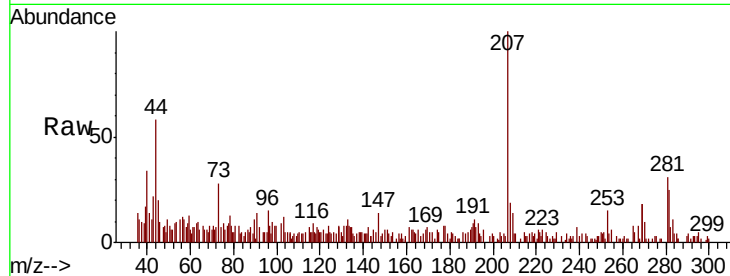


#11

Tert butyl alcohol
Concen: 0.227 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Instrument :
MSVOA_X
ClientSampled :
VX0423WBL02

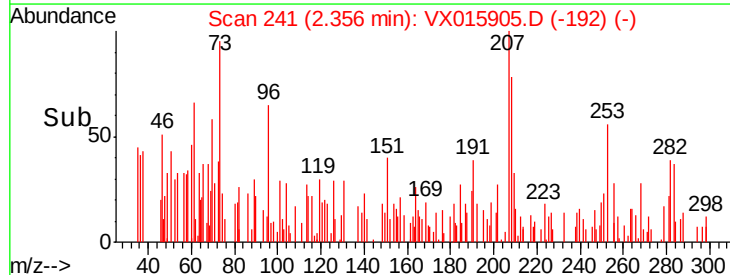
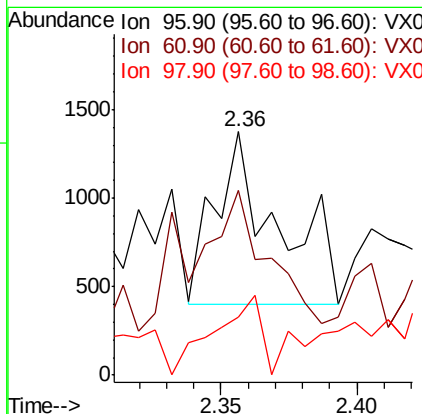
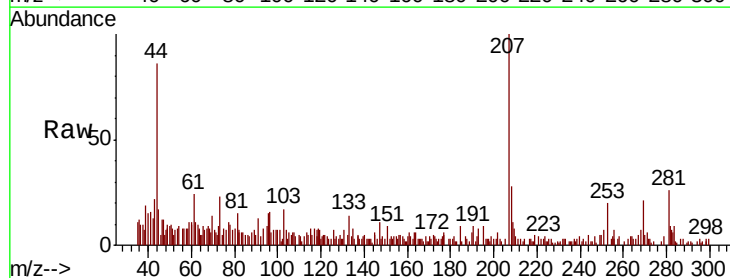
Tot Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 153.9 8.2 12.2#

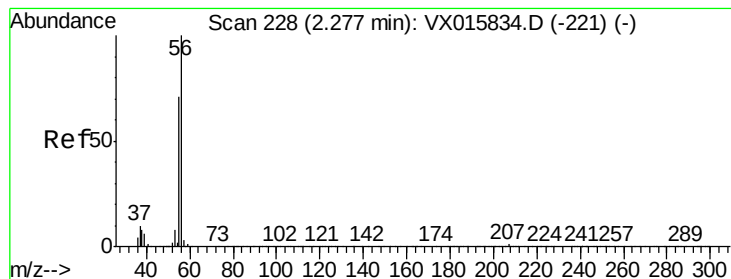


#12

1,1-Dichloroethene
Concen: 0.207 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Tgt Ion: 96 Resp: 1548
Ion Ratio Lower Upper
96 100
61 73.3 135.0 202.6#
98 14.4 50.6 76.0#





#13

Acrolein

Concen: 0.436 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

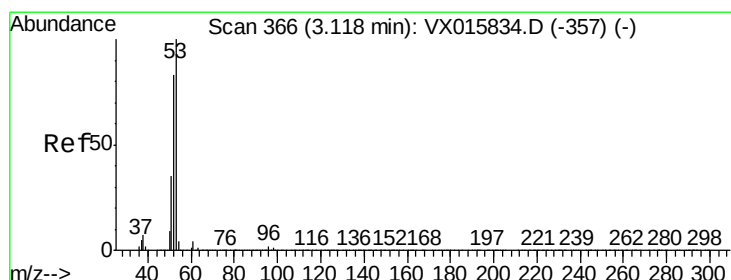
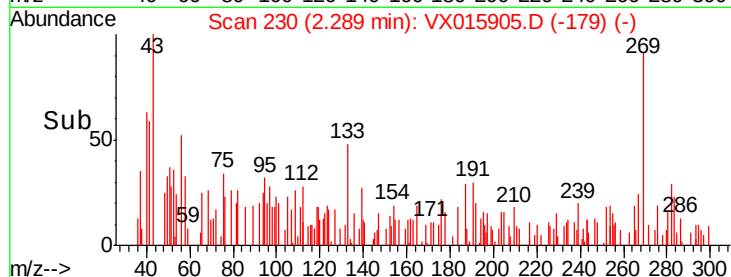
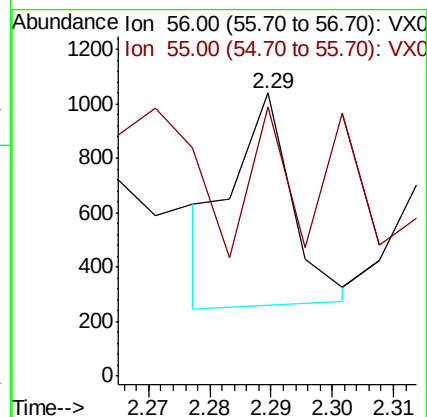
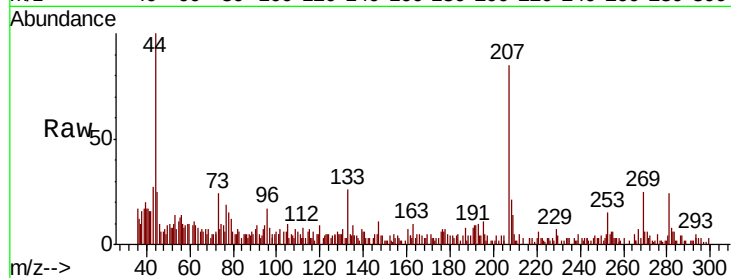
VX0423WBL02

Tot Ion: 56 Resp: 513

Ion Ratio Lower Upper

56 100

55 108.6 56.1 84.1#



#15

Acrylonitrile

Concen: 0.311 ug/l

RT: 3.12 min Scan# 366

Delta R.T. 0.00 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

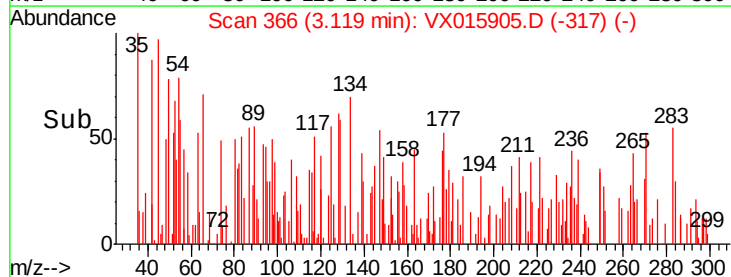
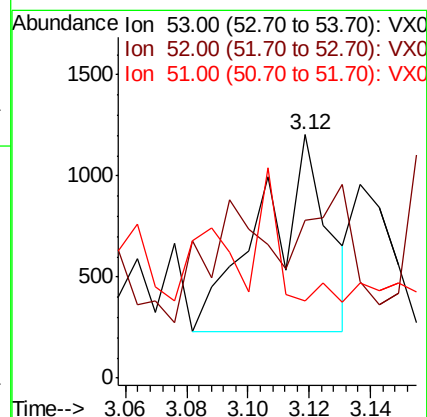
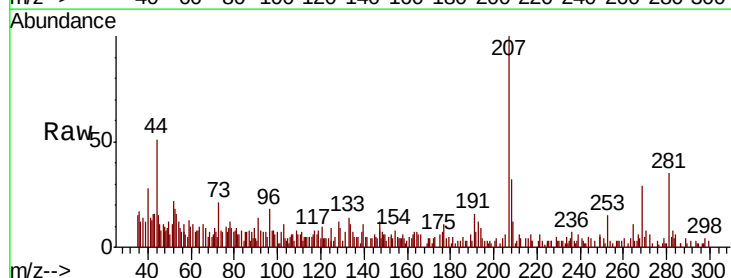
Tgt Ion: 53 Resp: 1436

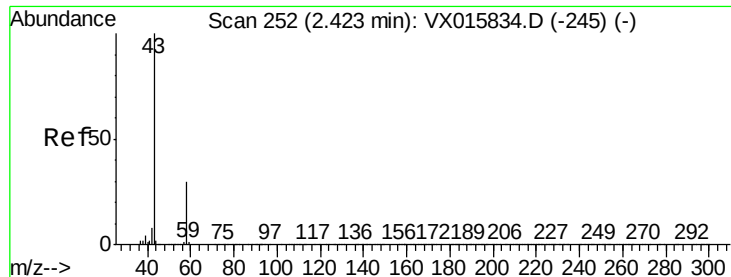
Ion Ratio Lower Upper

53 100

52 70.7 66.2 99.4

51 0.0 28.6 43.0#





#16

Acetone

Concen: 0.703 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.00 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

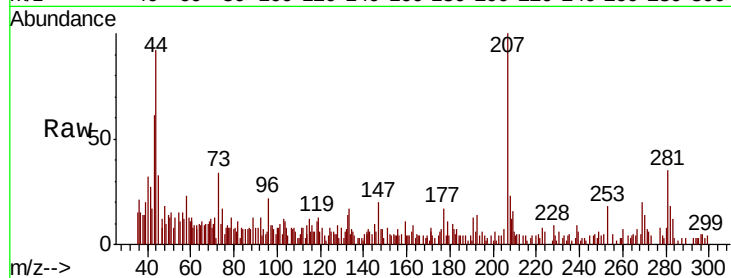
VX0423WBL02

Tot Ion: 43 Resp: 2977

Ion Ratio Lower Upper

43 100

58 32.9 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

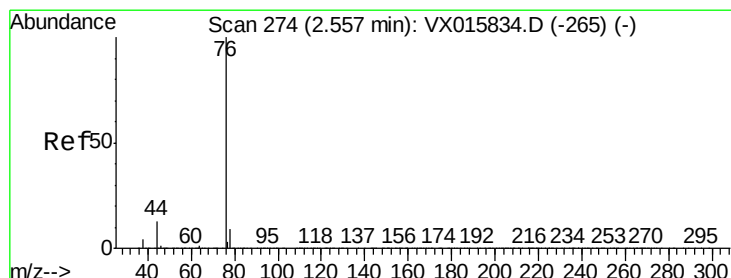
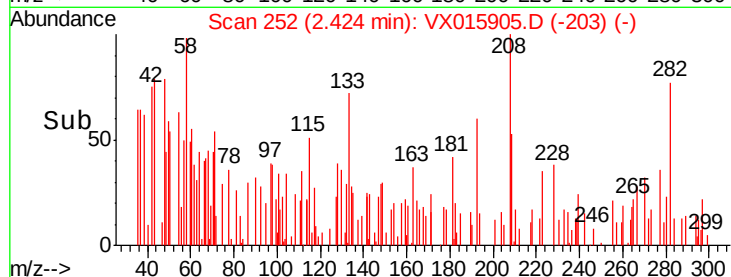
2.45

2.40

2.45

2.40

2.45



#17

Carbon Disulfide

Concen: 0.541 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015905.D

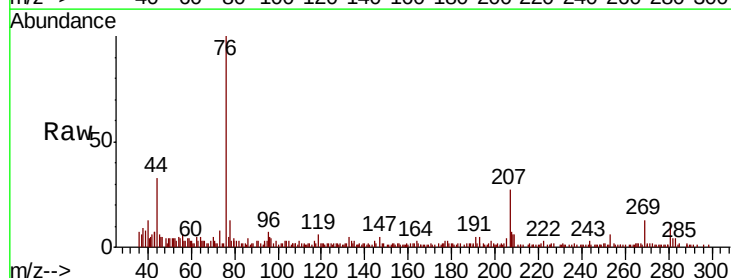
Acq: 23 Apr 2020 21:33

Tgt Ion: 76 Resp: 14706

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

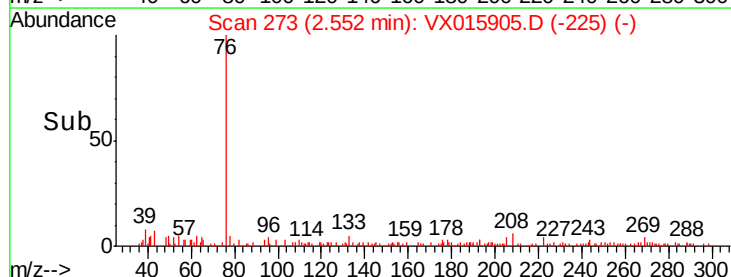
2.50

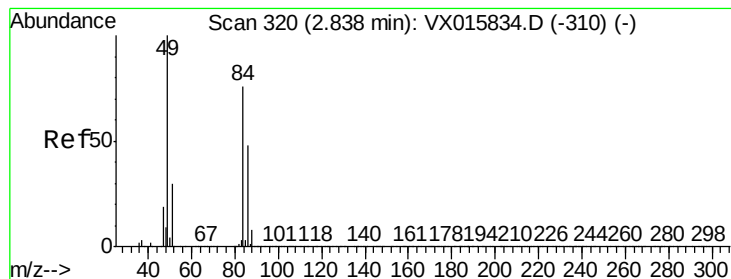
2.55

2.60

2.50

2.55





#20

Methylene Chloride

Concen: 0.233 ug/l

RT: 2.83 min Scan# 318

Delta R.T. -0.01 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Instrument :

MSVOA_X

ClientSampled :

VX0423WBL02

Tot Ion: 84 Resp: 2002

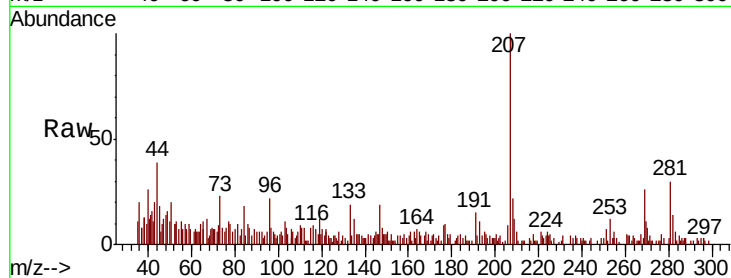
Ion Ratio Lower Upper

84 100

49 57.4 104.9 157.3#

51 0.0 32.0 48.0#

86 17.5 50.4 75.6#

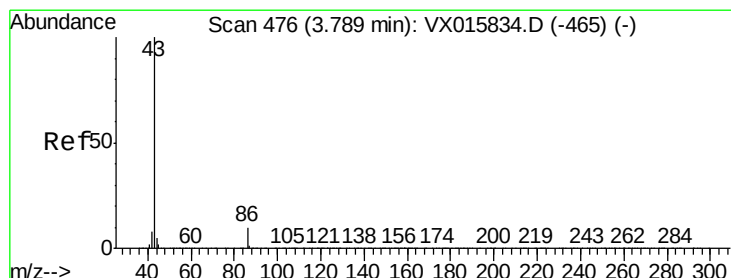
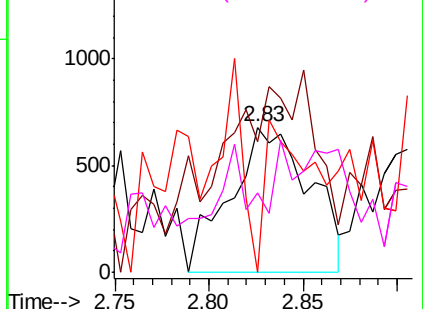
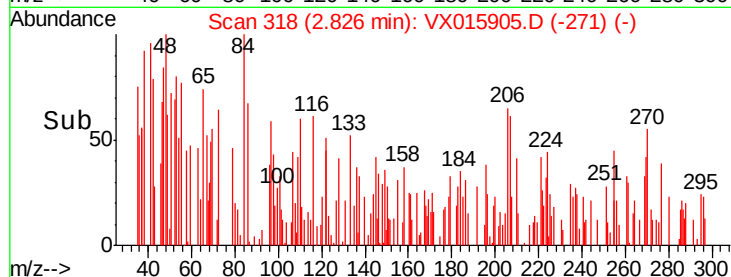


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#23

Vinyl Acetate

Concen: 0.262 ug/l

RT: 3.78 min Scan# 475

Delta R.T. -0.01 min

Lab File: VX015905.D

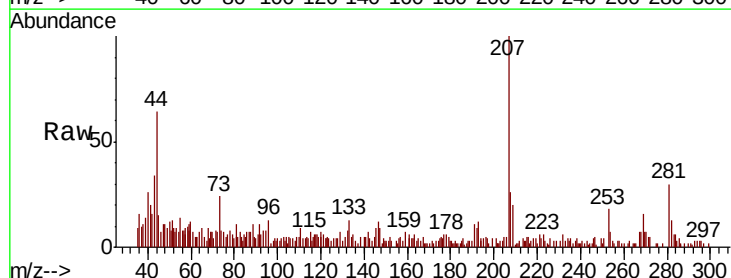
Acq: 23 Apr 2020 21:33

Tgt Ion: 43 Resp: 6231

Ion Ratio Lower Upper

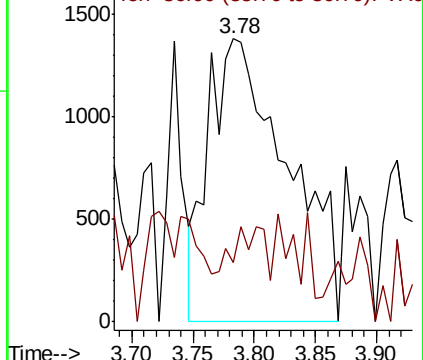
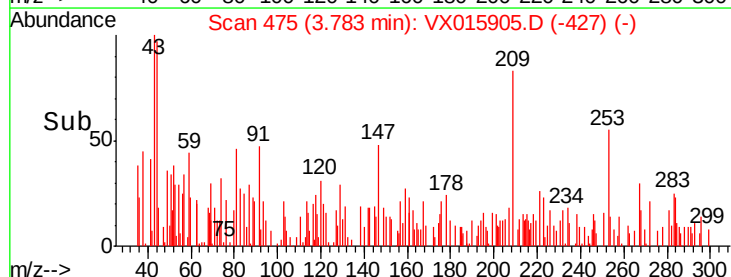
43 100

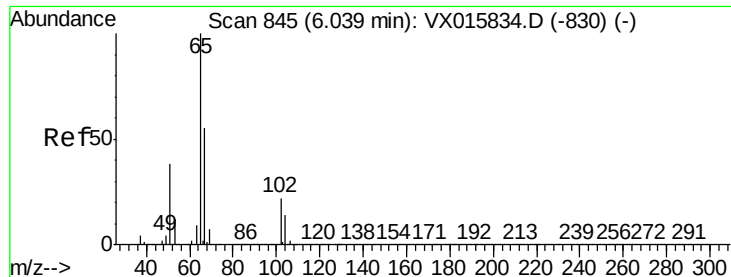
86 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

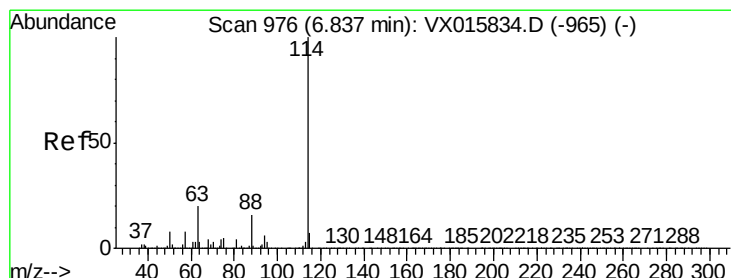
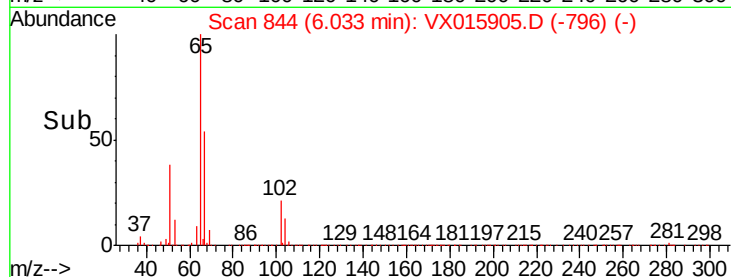
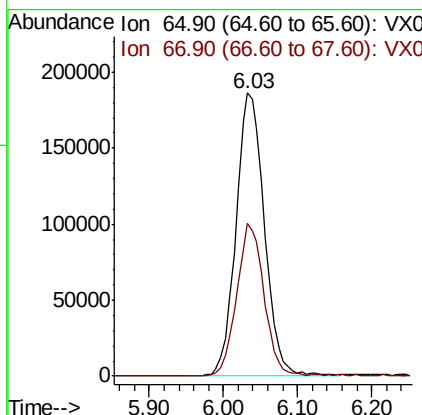
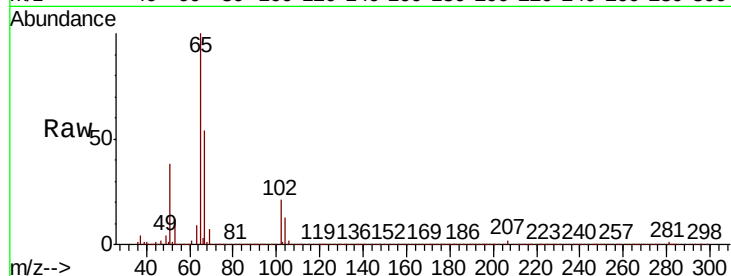




#33
 1,2-Dichloroethane-d4
 Concen: 51.307 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: VX015905.D
 Acq: 23 Apr 2020 21:33

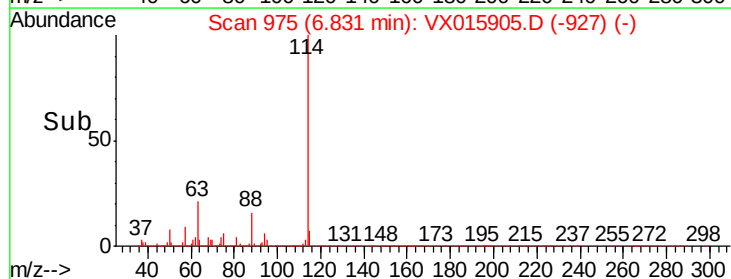
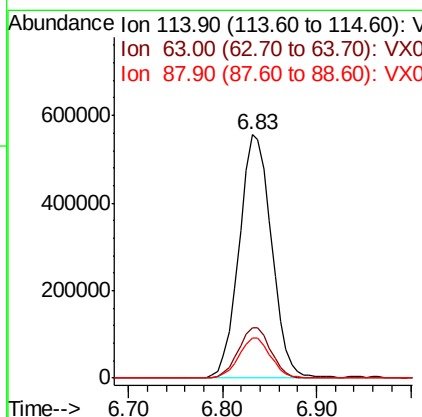
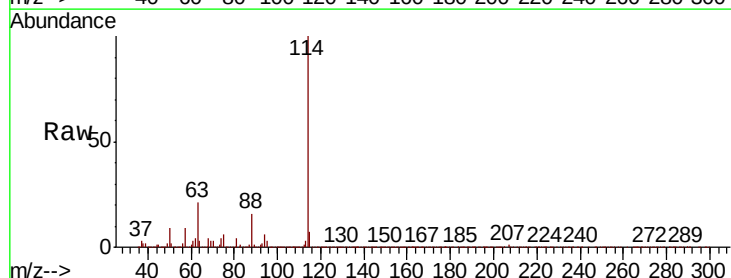
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 VX0423WBL02

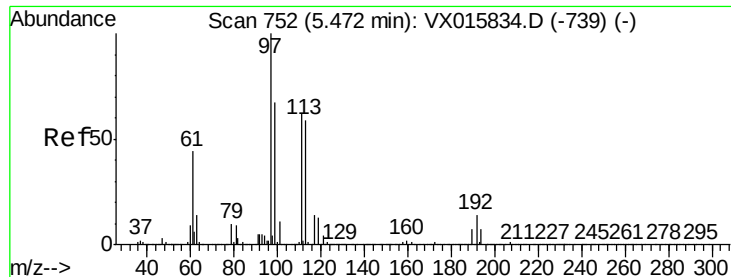
Tot Ion: 65 Resp: 499047
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015905.D
 Acq: 23 Apr 2020 21:33

Tgt Ion: 114 Resp: 1331481
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.6
 88 16.3 0.0 32.8

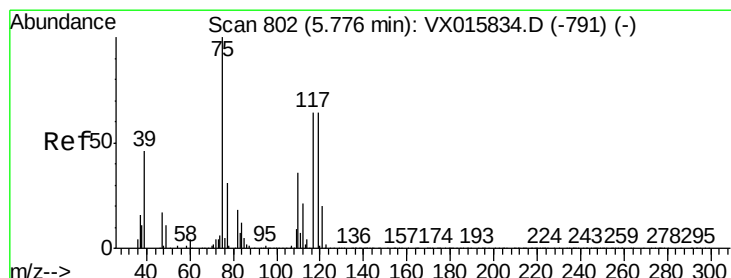
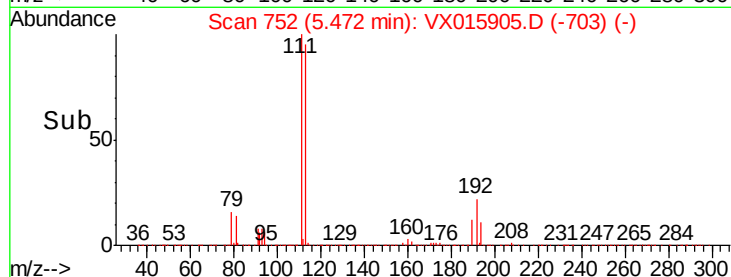
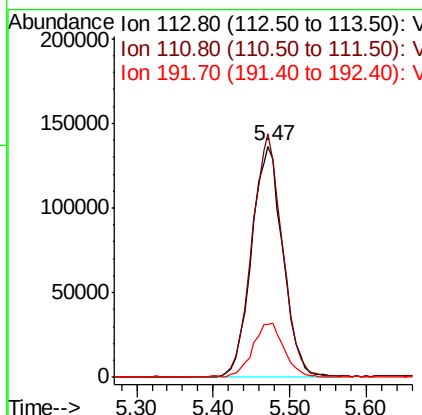
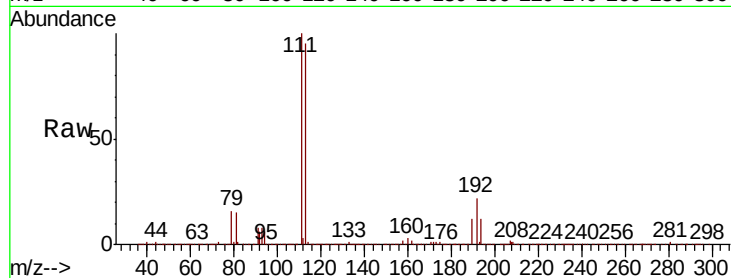




#35
 Dibromofluoromethane
 Concen: 50.811 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015905.D
 Acq: 23 Apr 2020 21:33

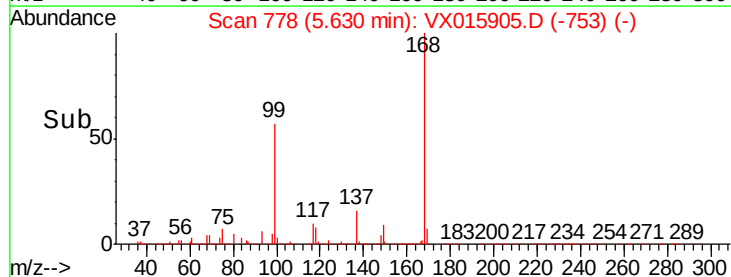
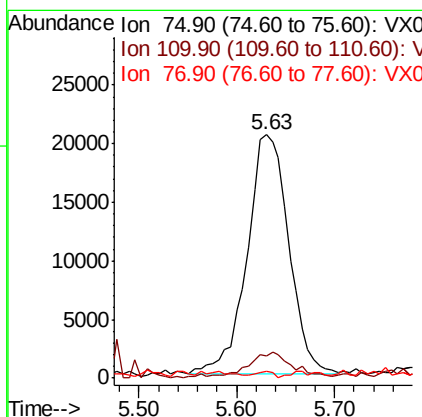
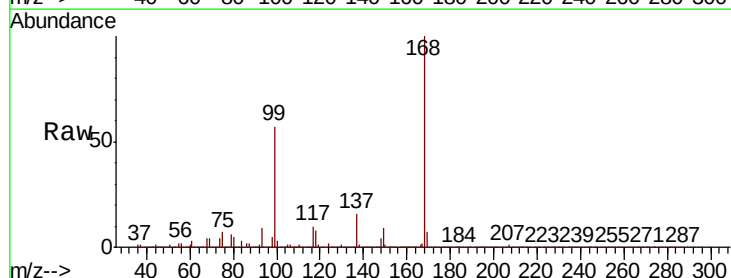
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL02

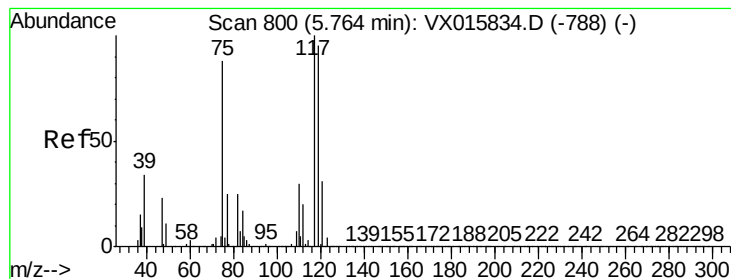
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	23.3	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 5.087 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.15 min
 Lab File: VX015905.D
 Acq: 23 Apr 2020 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.9	53.8#
77	1.4	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.700 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL02

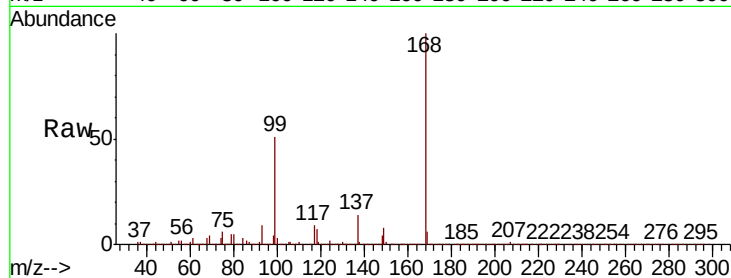
Tot Ion:117 Resp: 77903

Ion Ratio Lower Upper

117 100

119 5.9 75.7 113.5#

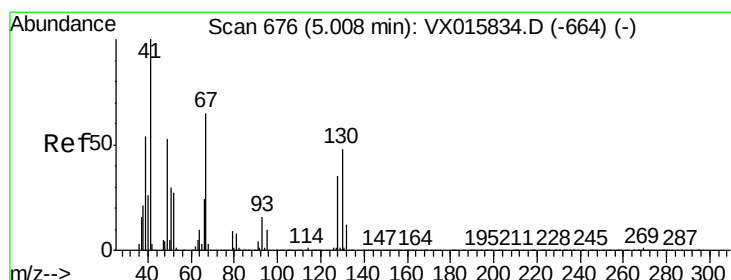
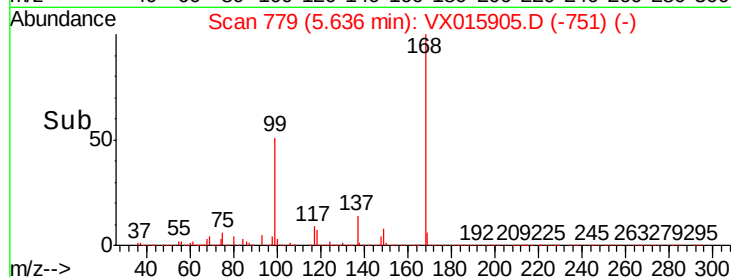
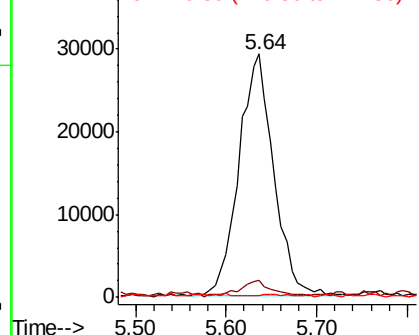
121 0.5 25.0 37.6#



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



#41

Methacrylonitrile

Concen: 0.286 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Tgt Ion: 41 Resp: 2233

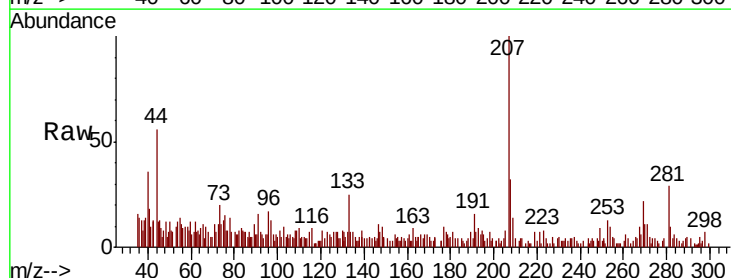
Ion Ratio Lower Upper

41 100

39 16.2 42.4 63.6#

67 17.5 51.9 77.9#

52 48.6 21.0 31.4#

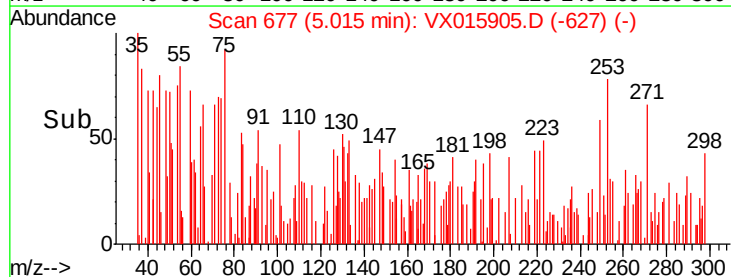
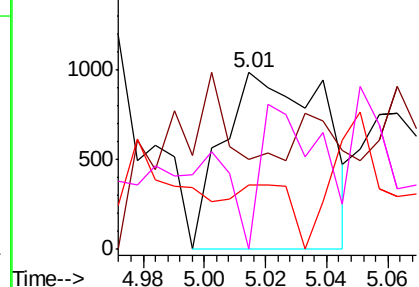


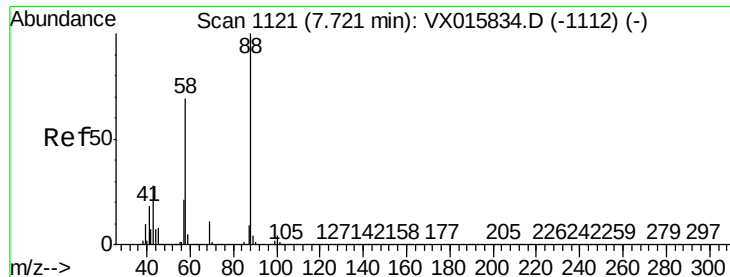
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

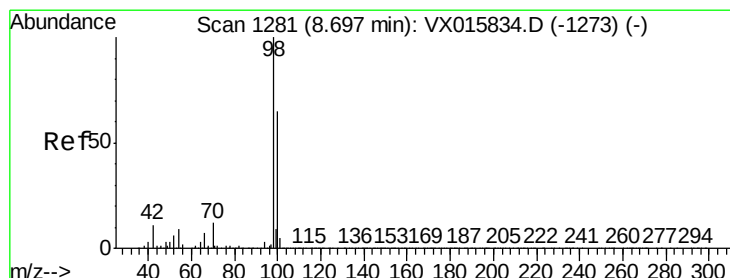
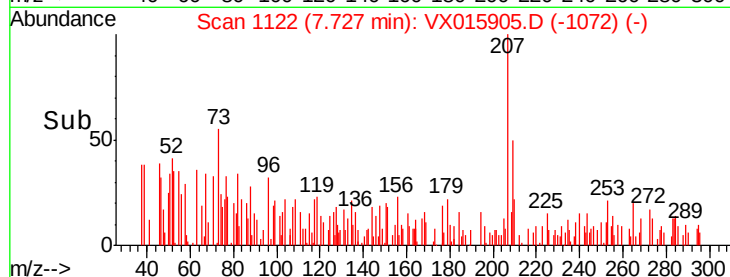
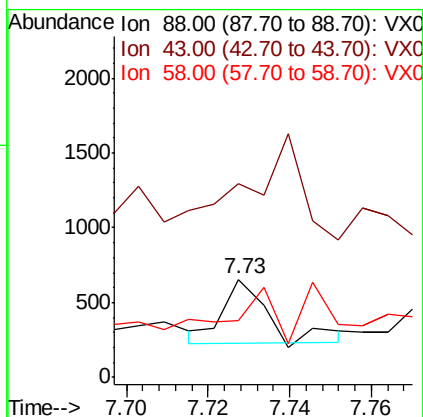
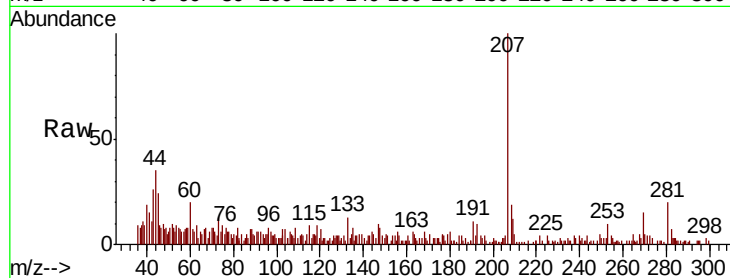




#49
1,4-Dioxane
Concen: 1.552 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

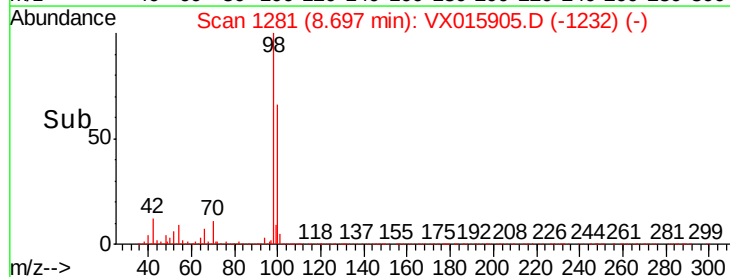
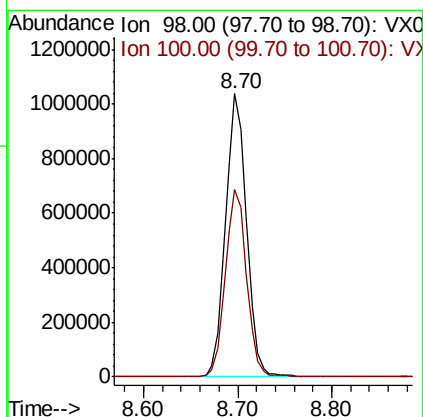
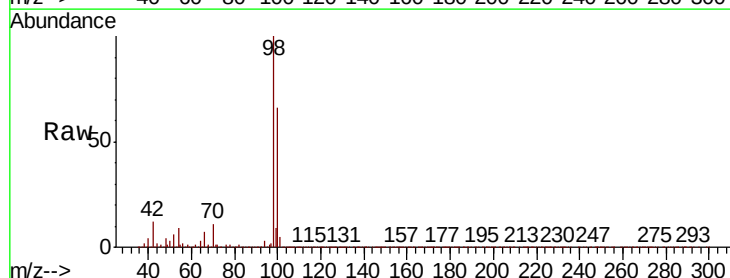
Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL02

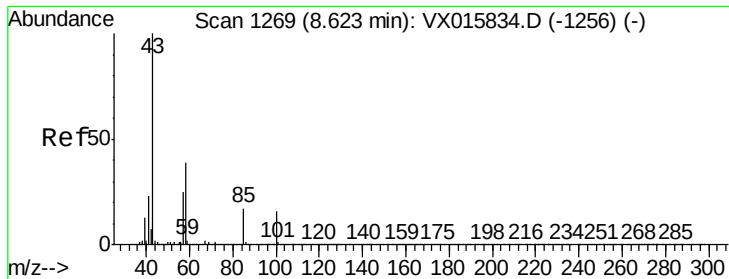
Tot Ion: 88 Resp: 342
Ion Ratio Lower Upper
88 100
43 188.6 28.2 42.4#
58 57.0 58.9 88.3#



#50
Toluene-d8
Concen: 51.929 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Tgt Ion: 98 Resp: 1606668
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6

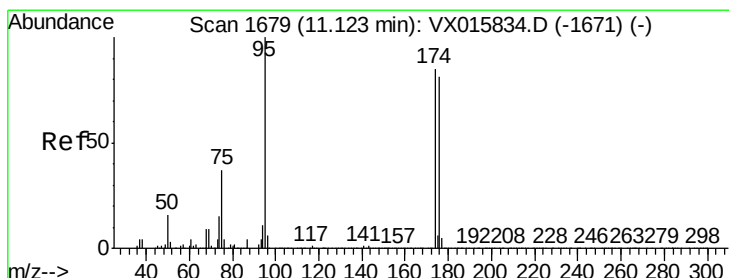
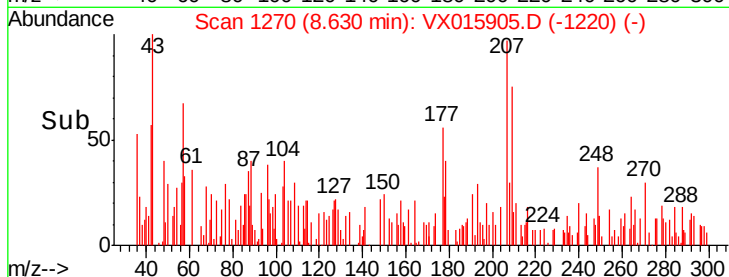
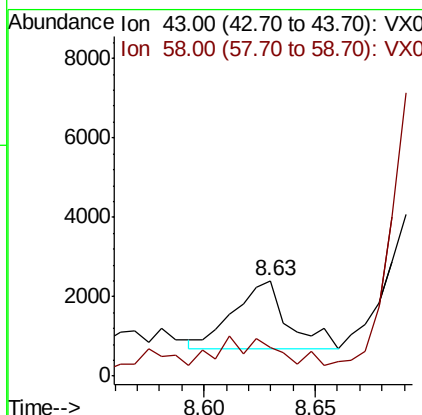
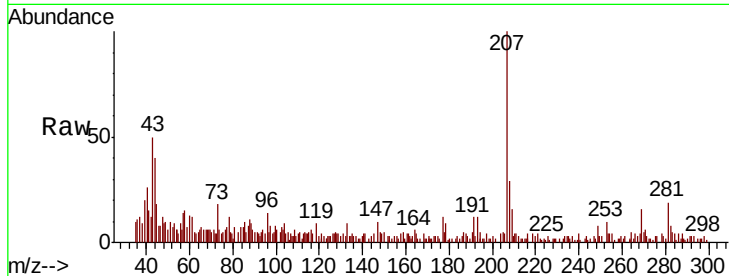




#51
4-Methyl-2-Pentanone
Concen: 0.208 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

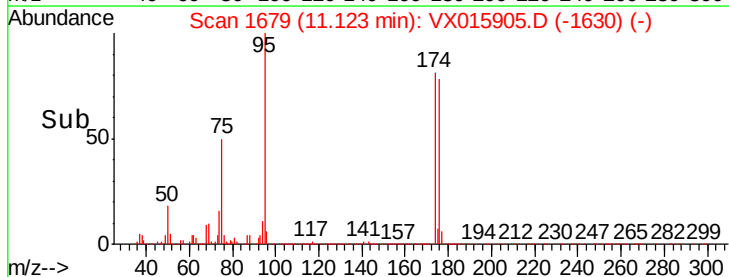
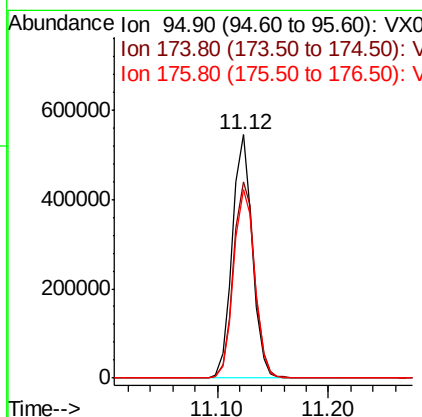
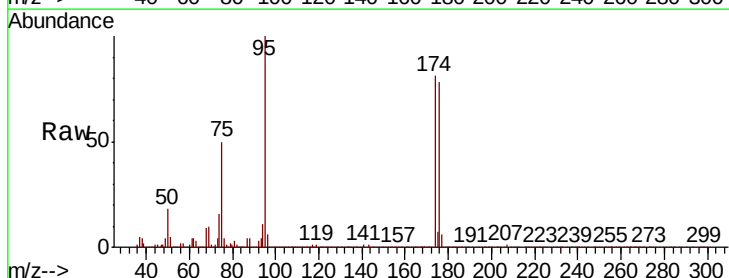
Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL02

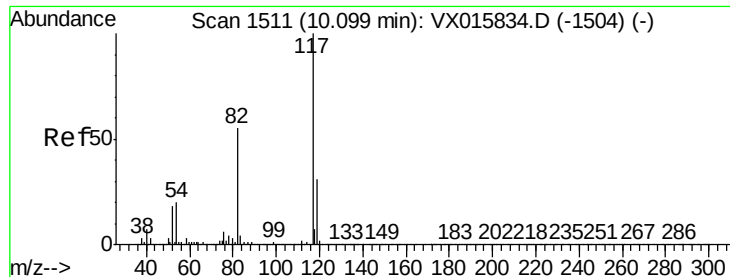
Tot Ion: 43 Resp: 2850
Ion Ratio Lower Upper
43 100
58 19.3 30.6 45.8#



#62
4-Bromofluorobenzene
Concen: 53.386 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Tgt Ion: 95 Resp: 677594
Ion Ratio Lower Upper
95 100
174 85.5 0.0 172.4
176 82.3 0.0 167.0

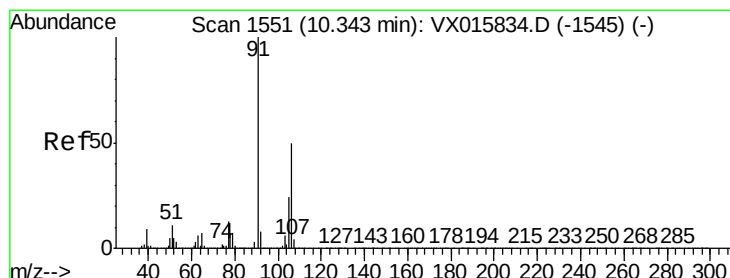
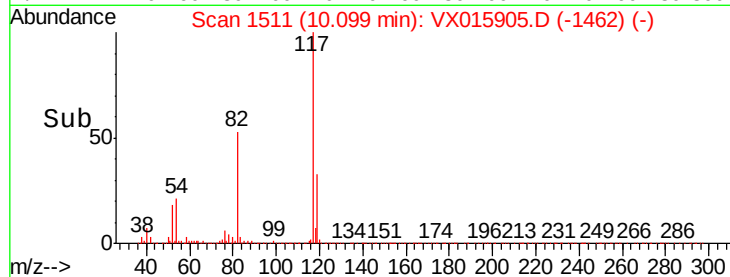
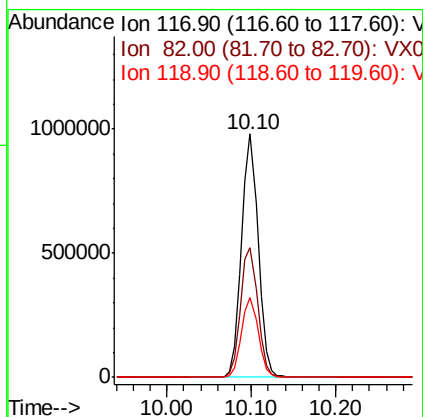
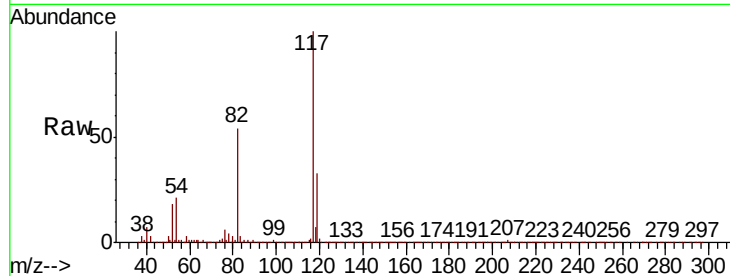




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

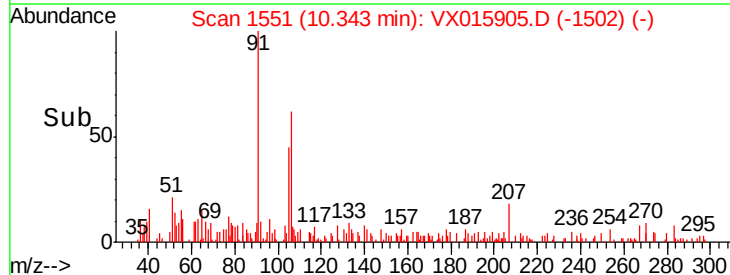
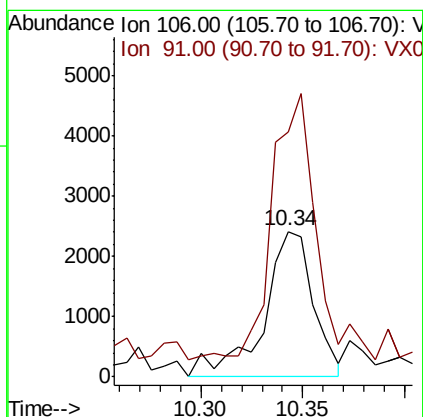
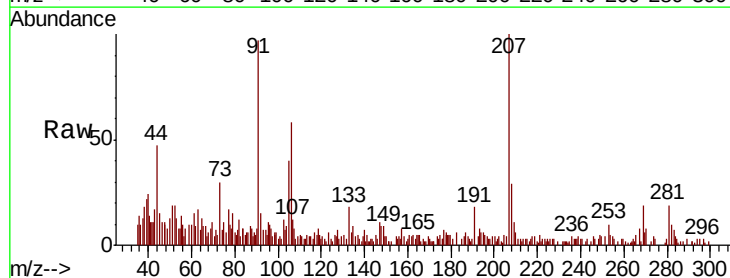
Instrument :
MSVOA_X
ClientSampled :
VX0423WBL02

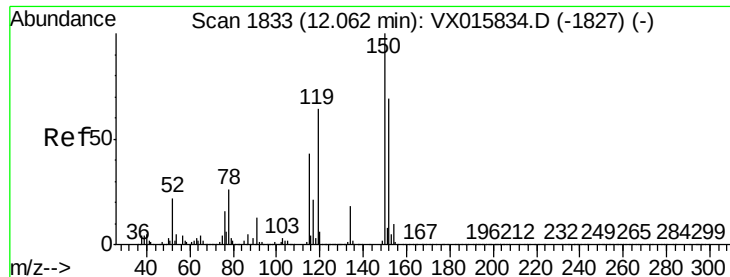
Tot Ion:117 Resp: 1291669
Ion Ratio Lower Upper
117 100
82 53.5 43.9 65.9
119 32.8 25.1 37.7



#68
m/p-Xylenes
Concen: 0.241 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Tgt Ion:106 Resp: 4098
Ion Ratio Lower Upper
106 100
91 160.5 161.1 241.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL02

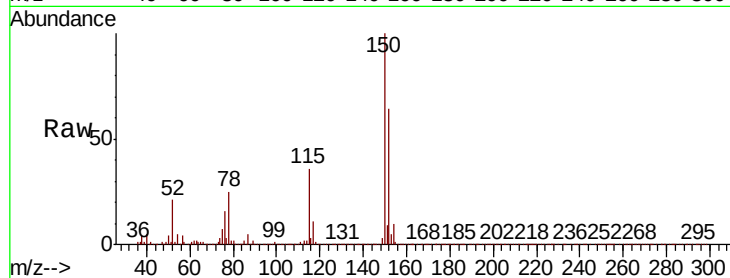
Tot Ion:152 Resp: 731500

Ion Ratio Lower Upper

152 100

115 55.1 39.0 116.9

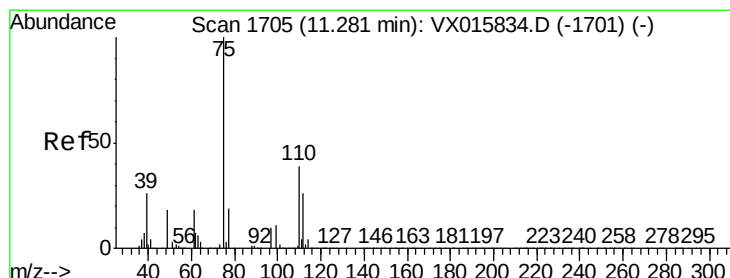
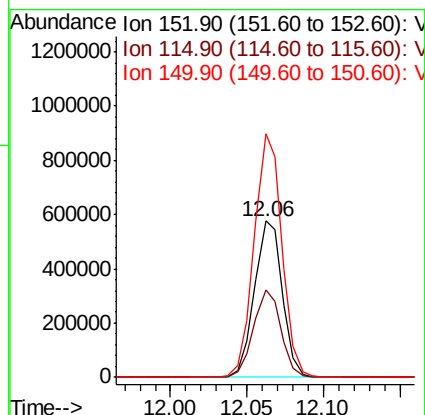
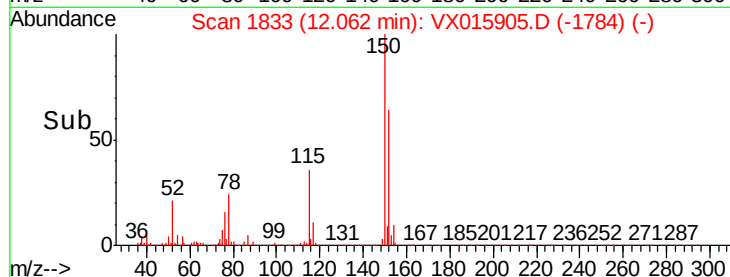
150 154.2 0.0 336.8



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: 24.097 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015905.D

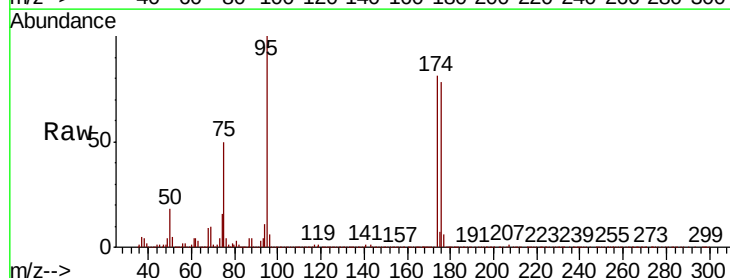
Acq: 23 Apr 2020 21:33

Tgt Ion: 75 Resp: 335189

Ion Ratio Lower Upper

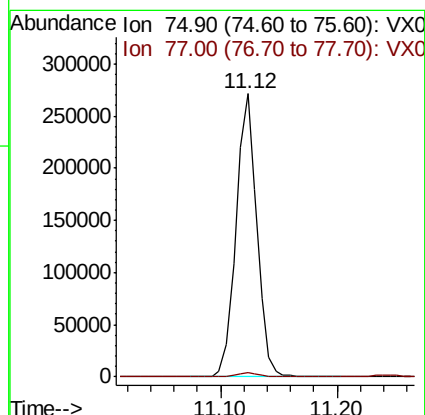
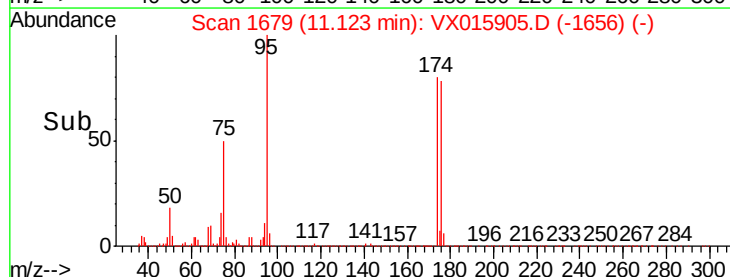
75 100

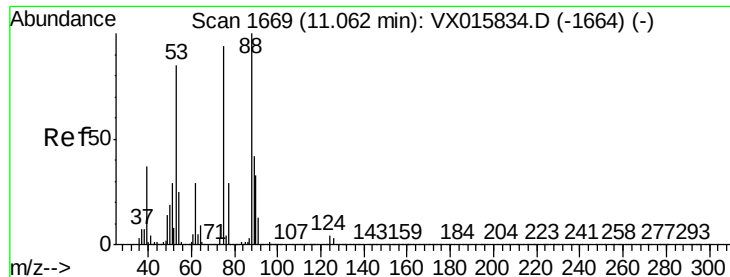
77 1.4 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

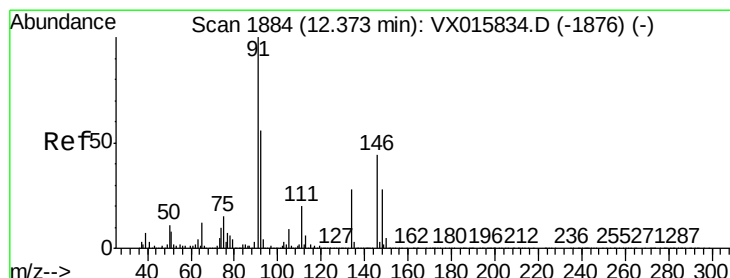
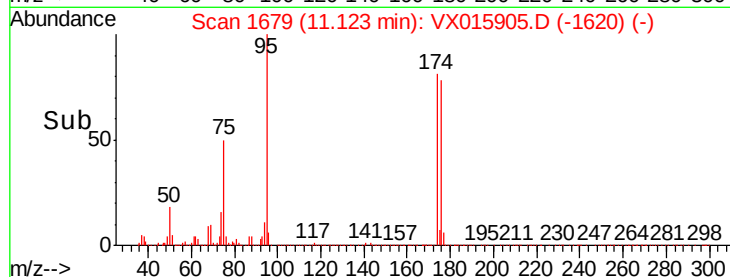
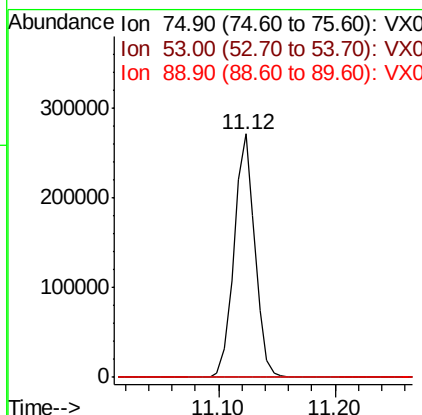
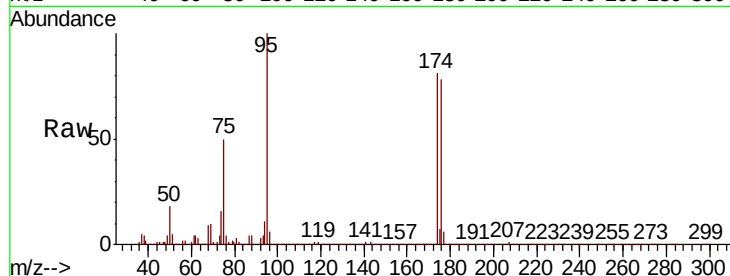




#81
trans-1,4-Dichloro-2-butene
Concen: 57.966 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

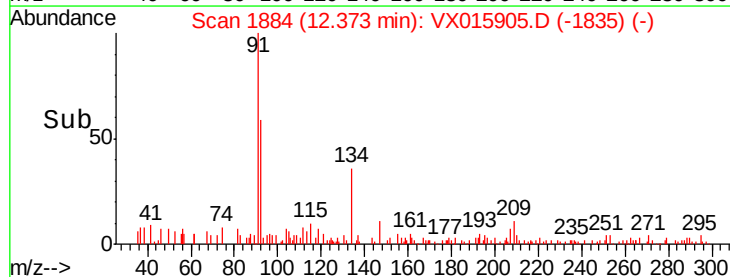
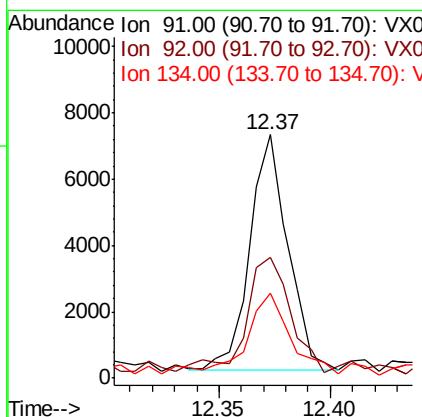
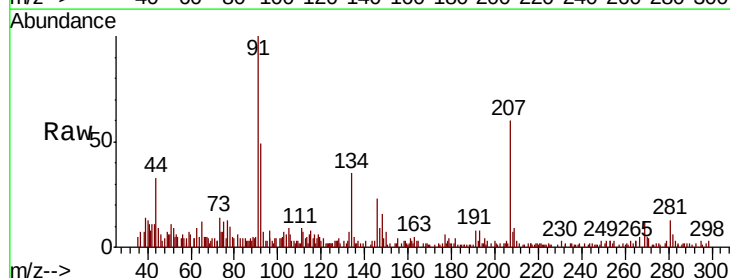
Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL02

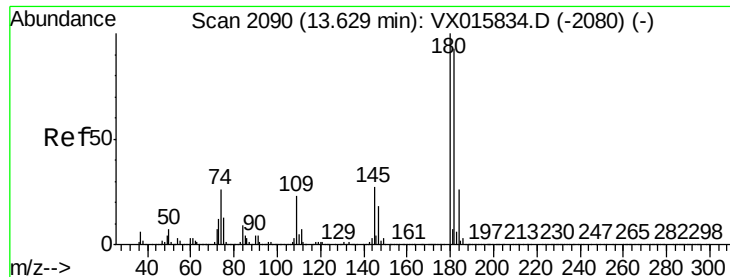
Tot Ion: 75 Resp: 335189
Ion Ratio Lower Upper
75 100
53 0.4 74.2 111.2#
89 0.2 38.0 57.0#



#89
n-Butylbenzene
Concen: 0.219 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Tgt Ion: 91 Resp: 8481
Ion Ratio Lower Upper
91 100
92 57.7 27.7 83.1
134 40.7 14.1 42.4





#93

1,2,4-Trichlorobenzene

Concen: 0.308 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL02

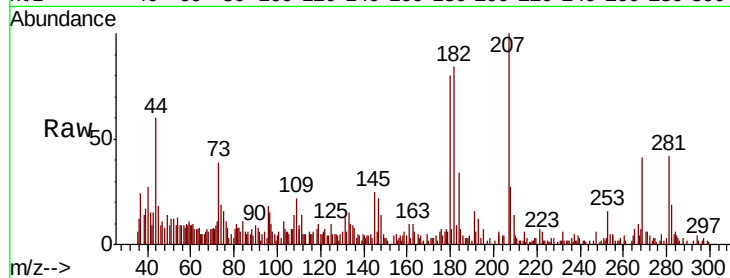
Tot Ion:180 Resp: 5370

Ion Ratio Lower Upper

180 100

182 88.9 47.7 143.1

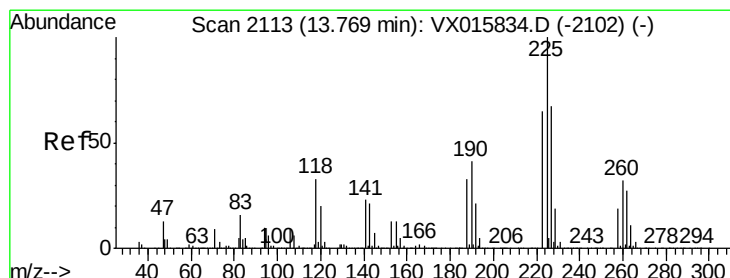
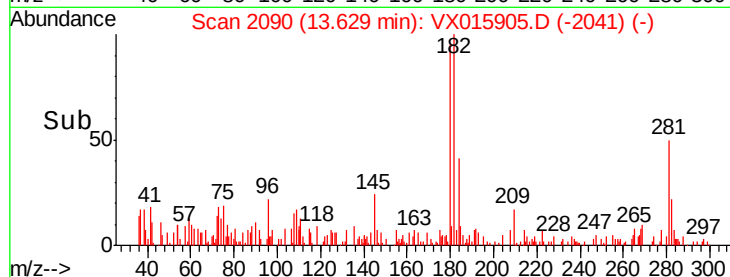
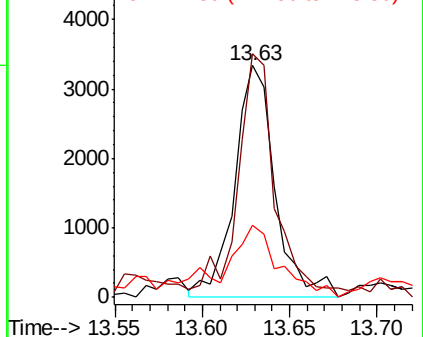
145 33.5 14.5 43.5



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: 0.348 ug/l

RT: 13.76 min Scan# 2112

Delta R.T. -0.01 min

Lab File: VX015905.D

Acq: 23 Apr 2020 21:33

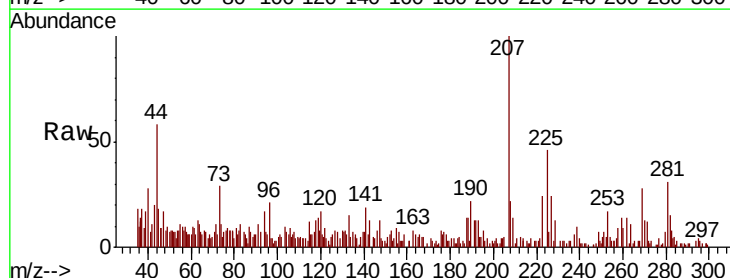
Tgt Ion:225 Resp: 2717

Ion Ratio Lower Upper

225 100

223 64.3 31.3 93.8

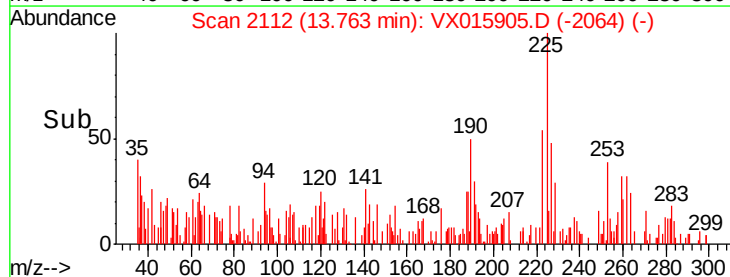
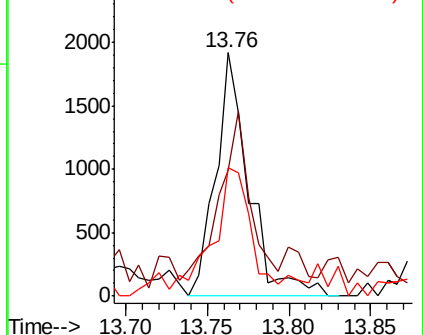
227 54.3 32.6 97.8

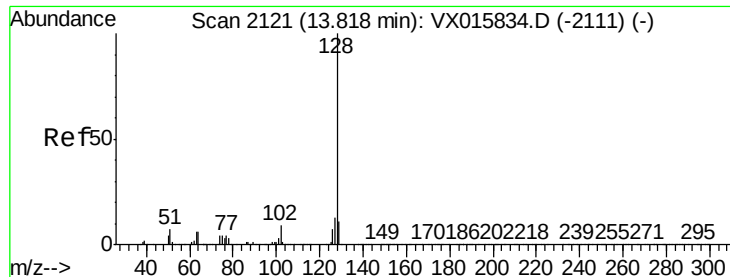


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

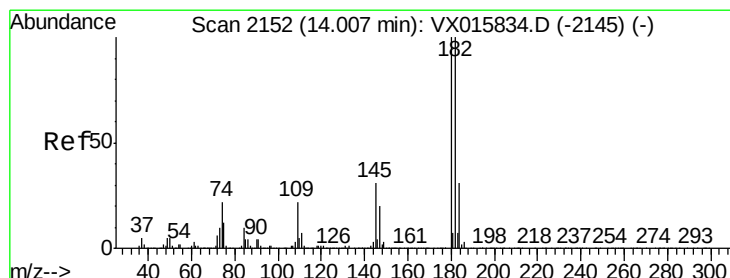
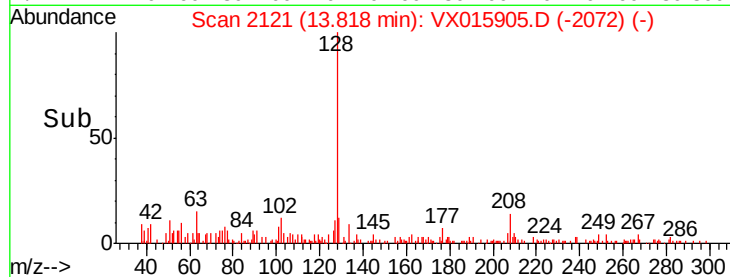
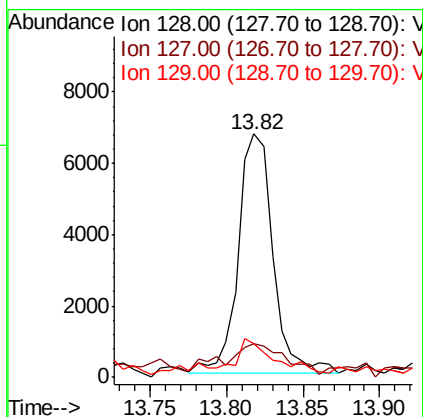
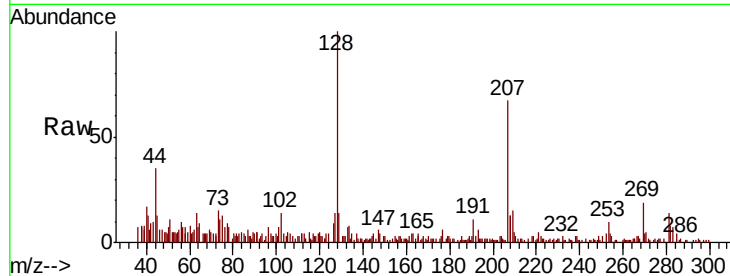




#95
Naphthalene
Concen: 0.210 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	22.8	10.5	15.7#
129	16.8	8.5	12.7#



#96
1,2,3-Trichlorobenzene
Concen: 0.287 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VX015905.D
Acq: 23 Apr 2020 21:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.9	143.7
145	29.0	15.2	45.5

