

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022020\
 Data File : VX014975.D
 Acq On : 20 Feb 2020 13:22
 Operator : JC/SP
 Sample : L1583-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 21 00:33:49 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	441216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	691054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	677304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	373917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	249117	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	5.49	113	207267	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.71	98	844495	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.13	95	336246	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	3628	0.766	ug/l	97
5) Bromomethane	1.66	94	1376	0.417	ug/l	94
6) Chloroethane	1.73	64	3500	1.072	ug/l	95
8) Diethyl Ether	2.19	74	963	0.326	ug/l #	3
10) Methyl Iodide	2.51	142	1075	4.581	ug/l #	86
11) Tert butyl alcohol	3.03	59	21391	24.330	ug/l #	91
13) Acrolein	2.30	56	2710	4.044	ug/l	94
14) Allyl chloride	2.70	41	1675	0.234	ug/l #	24
15) Acrylonitrile	3.19	53	3465	1.555	ug/l #	29
16) Acetone	2.44	43	2200483	848.838	ug/l	99
18) Methyl Acetate	2.76	43	5623	1.121	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	258284	19.624	ug/l	99
20) Methylene Chloride	2.85	84	1179	0.246	ug/l #	74
22) Diisopropyl ether	3.84	45	25295	1.847	ug/l #	83
23) Vinyl Acetate	3.84	43	14689	1.301	ug/l #	71
25) 2-Butanone	4.65	43	538374	158.812	ug/l	99
28) Bromochloromethane	5.04	49	757	0.253	ug/l #	8
29) Tetrahydrofuran	5.12	42	5901	3.062	ug/l #	66
36) 1,1-Dichloropropene	5.65	75	30128	4.874	ug/l #	51
37) Ethyl Acetate	4.82	43	106863	16.575	ug/l	98
38) Carbon Tetrachloride	5.65	117	36992	6.141	ug/l #	17
40) Benzene	6.14	78	411909	22.302	ug/l	99
43) Isopropyl Acetate	6.45	43	5337	0.502	ug/l #	64
48) Methyl methacrylate	7.73	41	1616	0.309	ug/l #	23
49) 1,4-Dioxane	7.75	88	345	3.525	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	48134	7.495	ug/l	98
52) Toluene	8.78	92	574685	48.989	ug/l	100
59) 2-Hexanone	9.49	43	29421	5.828	ug/l	99
67) Ethyl Benzene	10.25	91	236997	10.144	ug/l	98
68) m/p-Xylenes	10.36	106	358963	39.883	ug/l	100
69) o-Xylene	10.70	106	251701	29.093	ug/l	99
70) Styrene	10.69	104	14837	1.014	ug/l #	1
73) Isopropylbenzene	11.01	105	65708	2.802	ug/l	100
74) N-amyl acetate	10.90	43	13689	1.405	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

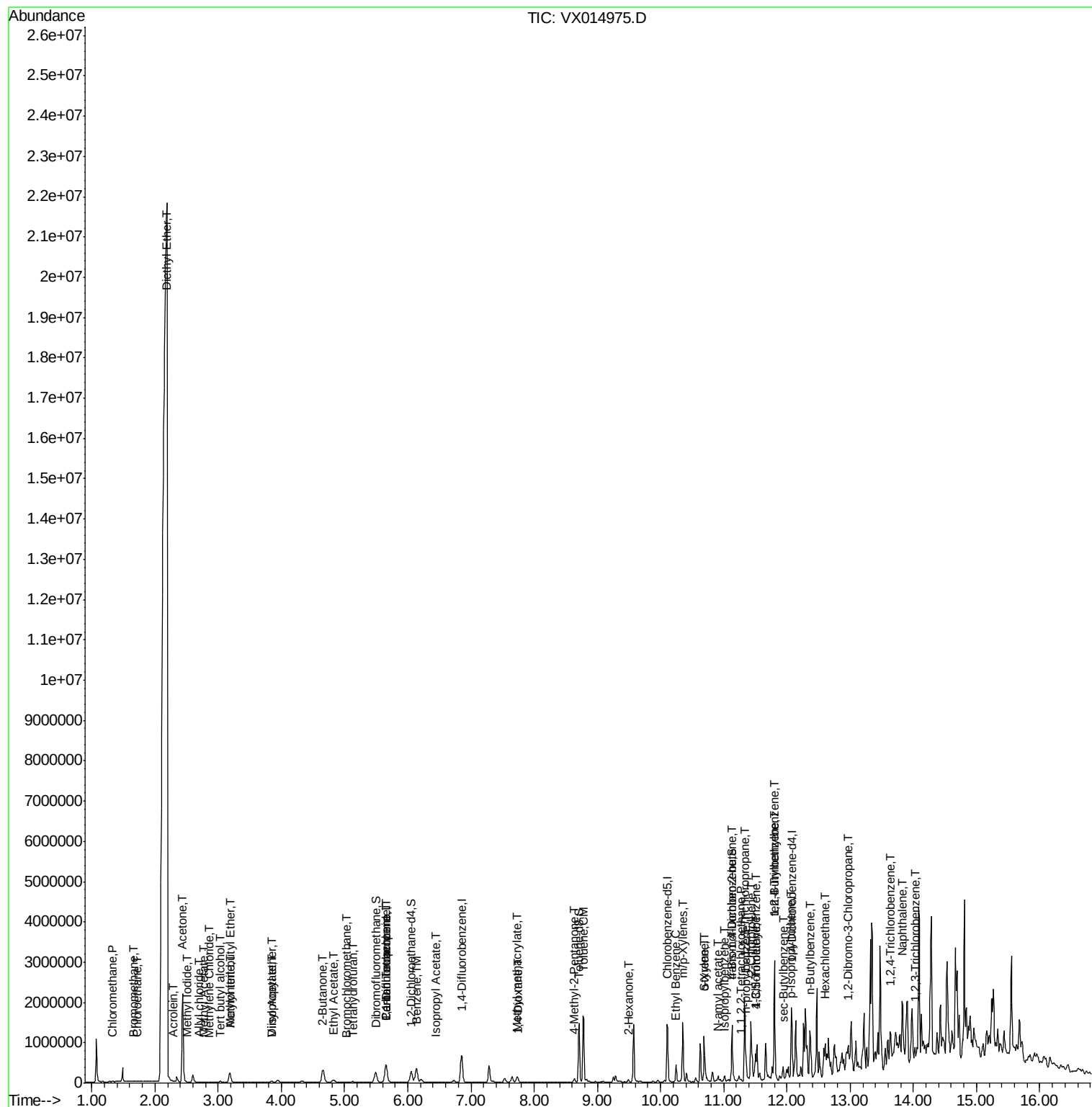
75) 1,1,2,2-Tetrachloroethane	11.27	83	3261	0.425	ug/l #	26
76) 1,2,3-Trichloropropane	11.33	75	28317	4.188	ug/l #	38
78) n-propylbenzene	11.35	91	216843	7.995	ug/l	99
79) 2-Chlorotoluene	11.43	91	110231	6.914	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.50	105	261436	13.344	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	164057	62.106	ug/l #	12
82) 4-Chlorotoluene	11.50	91	28477	1.508	ug/l #	47
83) tert-Butylbenzene	11.80	119	152753	8.233	ug/l #	63
84) 1,2,4-Trimethylbenzene	11.80	105	1239019	62.751	ug/l	98
85) sec-Butylbenzene	11.94	105	78238	3.394	ug/l	90
86) p-Isopropyltoluene	12.06	119	51589	2.392	ug/l	97
89) n-Butylbenzene	12.38	91	183333	9.491	ug/l #	42
90) Hexachloroethane	12.60	117	22463	5.964	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	1434	0.797	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.64	180	1776	0.209	ug/l #	1
95) Naphthalene	13.83	128	867856	38.406	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	8885	1.082	ug/l #	1

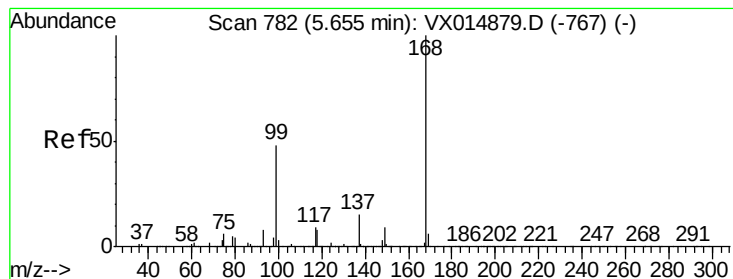
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

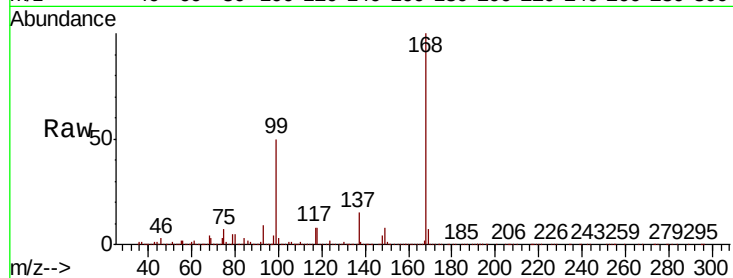
ClientSampleId :

Tot Ion:168 Resp: 441216

Ion Ratio Lower Upper

168 100

99 49.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

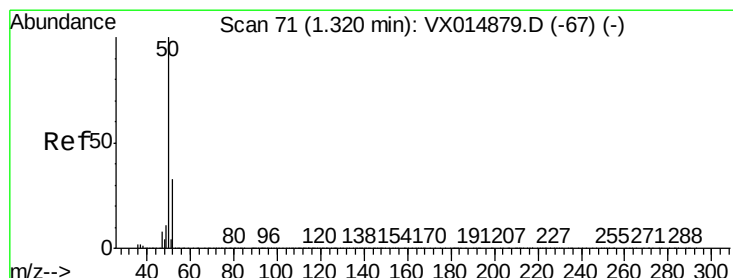
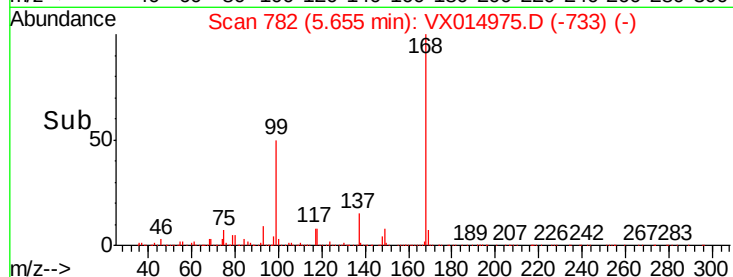
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.766 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014975.D

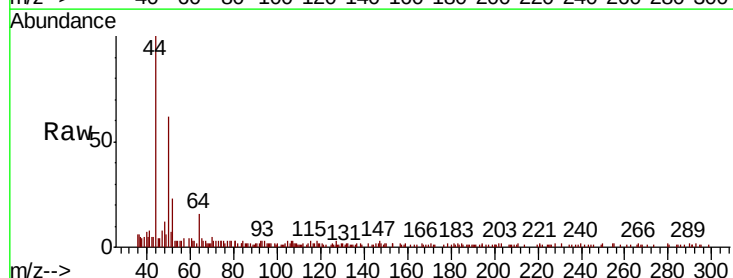
Acq: 20 Feb 2020 13:22

Tgt Ion: 50 Resp: 3628

Ion Ratio Lower Upper

50 100

52 31.2 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

4000

3000

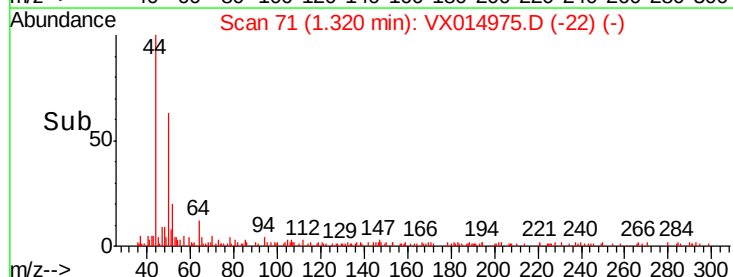
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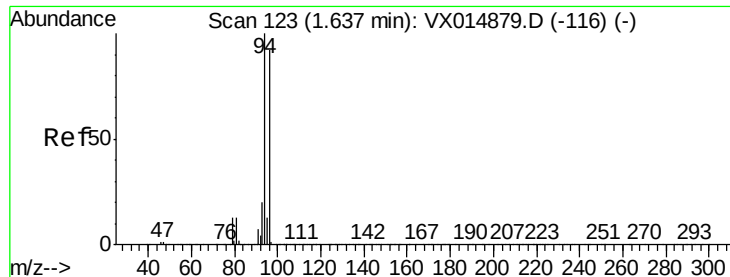
1000

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.417 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

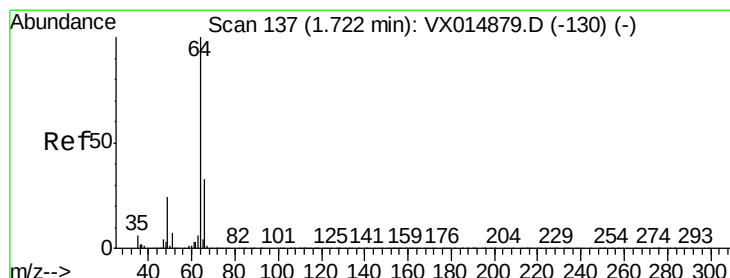
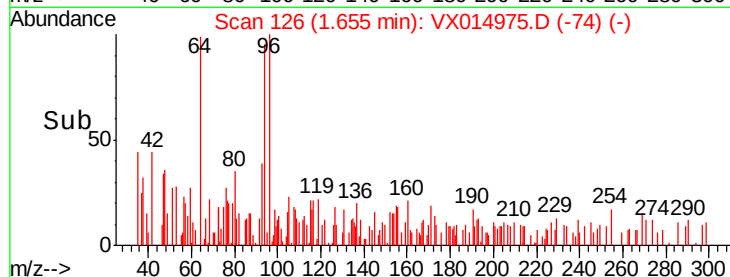
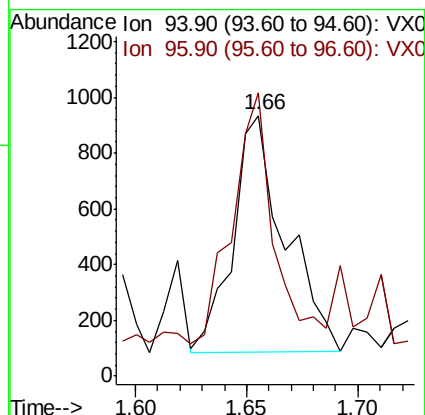
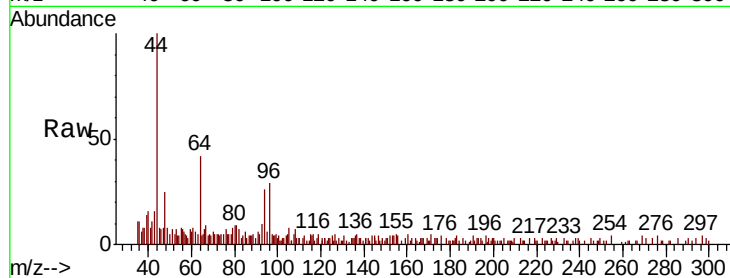
ClientSampled :

Tot Ion: 94 Resp: 1376

Ion Ratio Lower Upper

94 100

96 97.9 73.7 110.5



#6

Chloroethane

Concen: 1.072 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014975.D

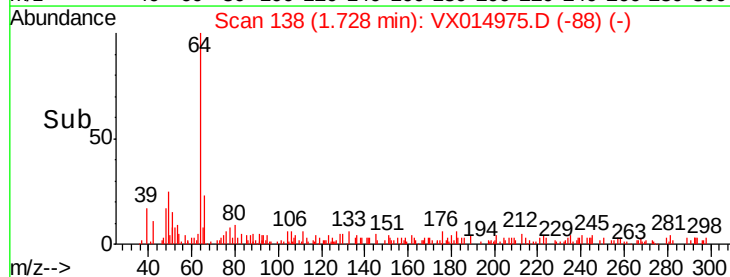
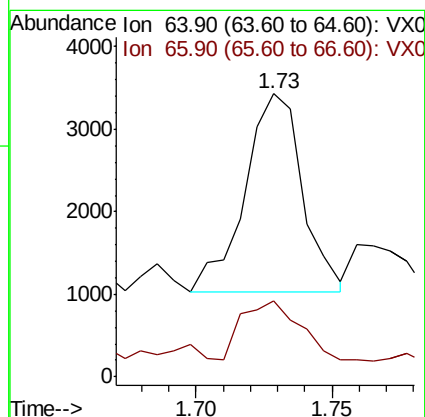
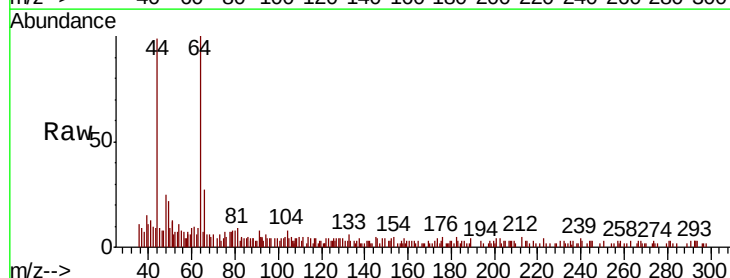
Acq: 20 Feb 2020 13:22

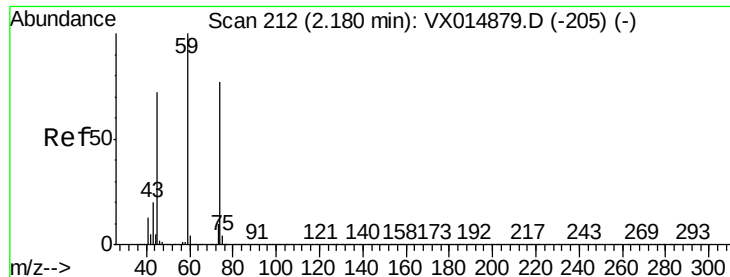
Tgt Ion: 64 Resp: 3500

Ion Ratio Lower Upper

64 100

66 30.0 26.2 39.4





#8

Diethyl Ether

Concen: 0.326 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

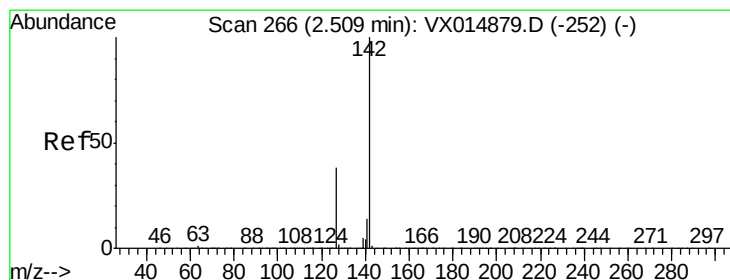
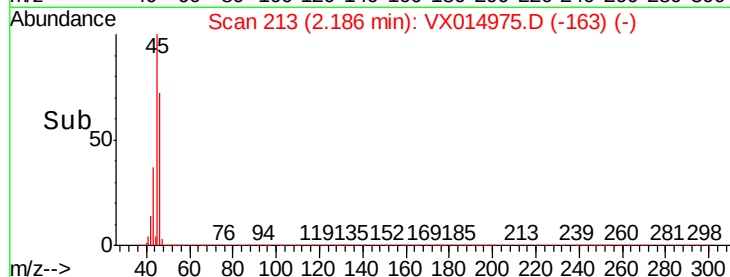
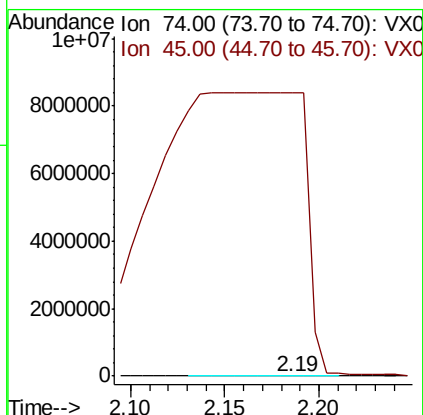
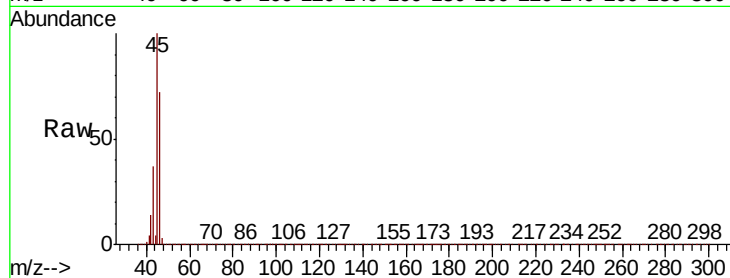
ClientSampleId :

Tot Ion: 74 Resp: 963

Ion Ratio Lower Upper

74 100

45 0.0 46.6 139.8#



#10

Methyl Iodide

Concen: 4.581 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

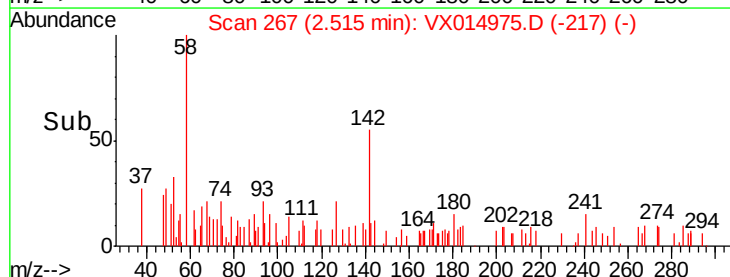
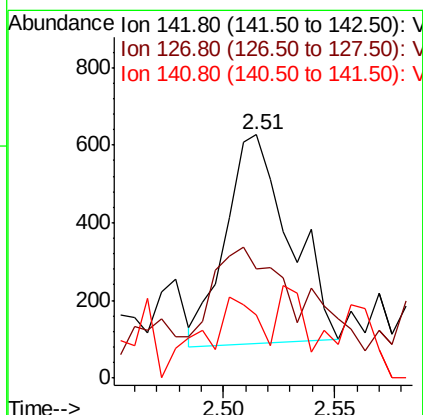
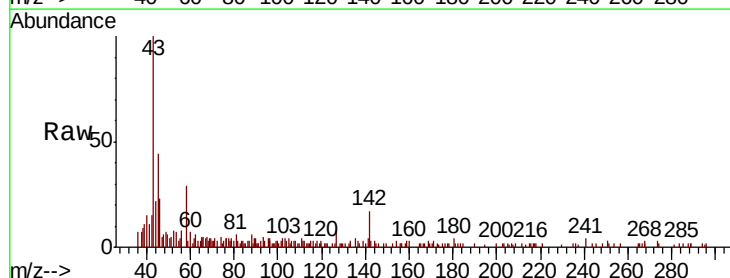
Tgt Ion: 142 Resp: 1075

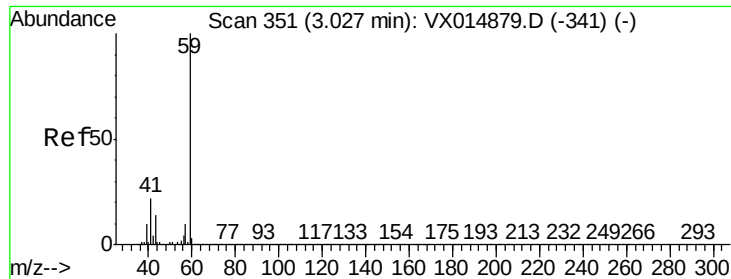
Ion Ratio Lower Upper

142 100

127 41.0 31.1 46.7

141 31.9 11.3 16.9#

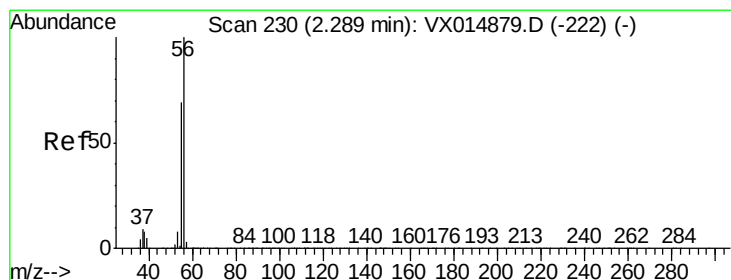
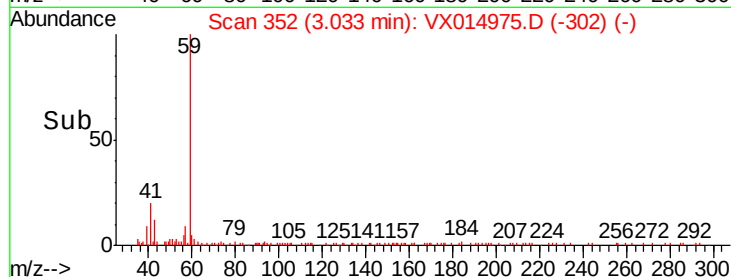
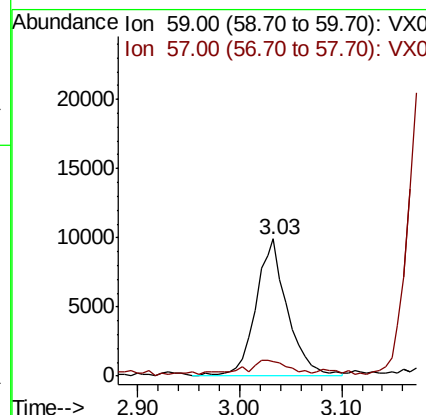
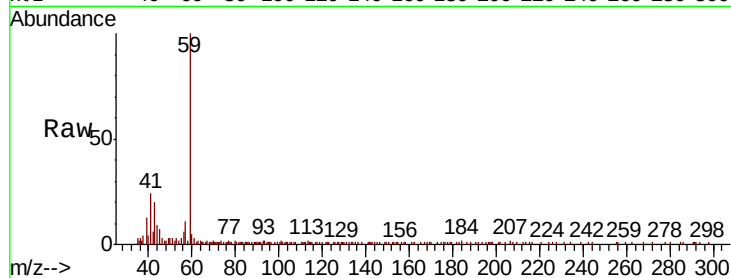




#11
Tert butyl alcohol
Concen: 24.330 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

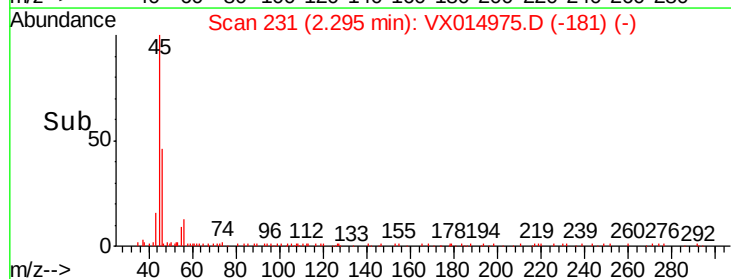
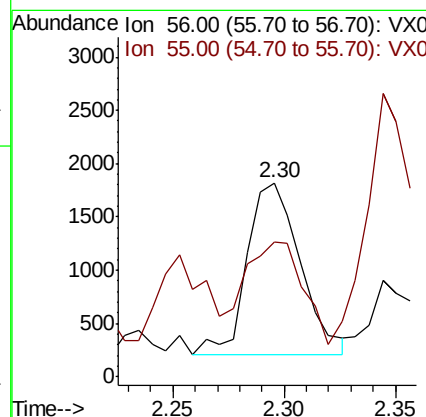
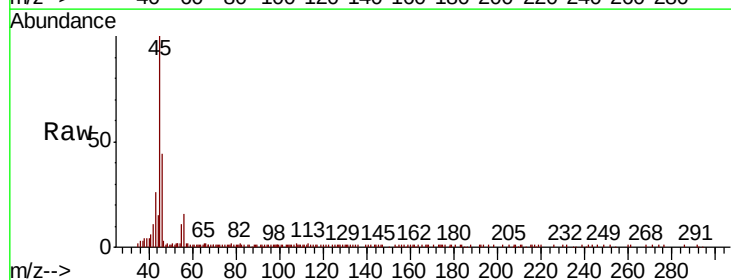
Instrument :
MSVOA_X
ClientSampled :

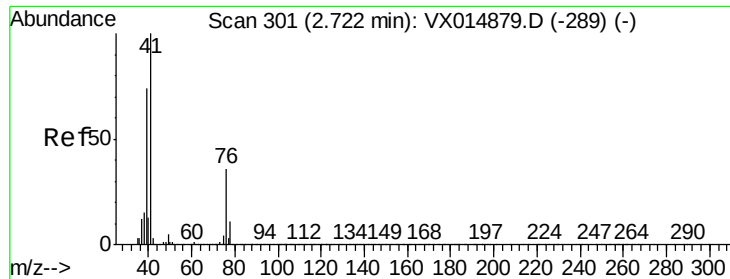
Tot Ion: 59 Resp: 21391
Ion Ratio Lower Upper
59 100
57 13.6 8.2 12.4#



#13
Acrolein
Concen: 4.044 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 56 Resp: 2710
Ion Ratio Lower Upper
56 100
55 64.2 55.0 82.4

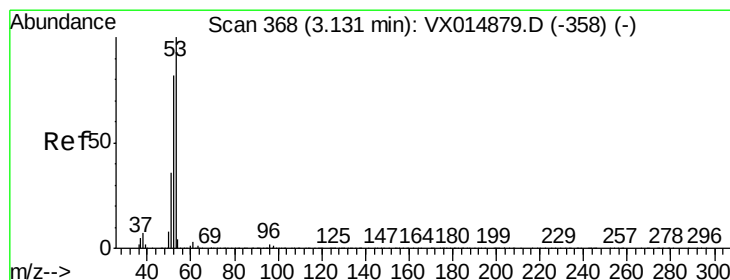
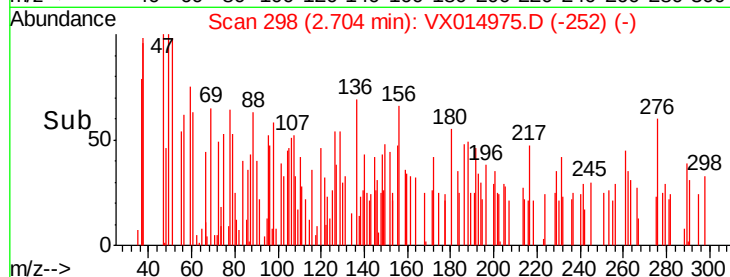
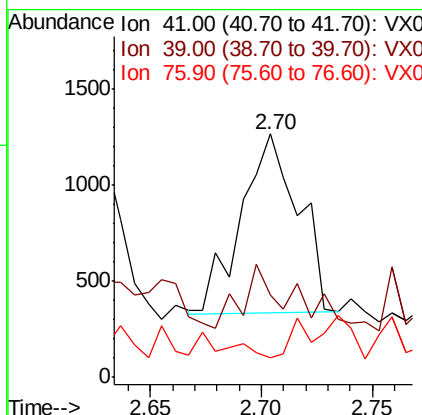
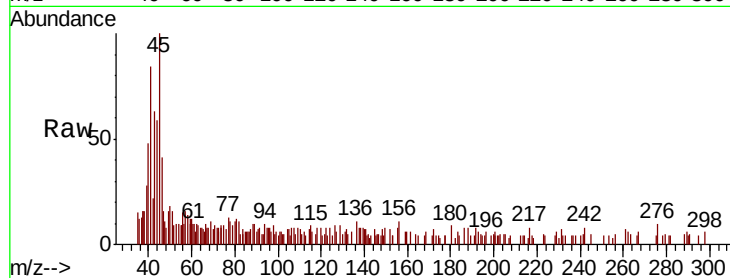




#14
Allvl chloride
Concen: 0.234 ug/l
RT: 2.70 min Scan# 298
Delta R.T. -0.02 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

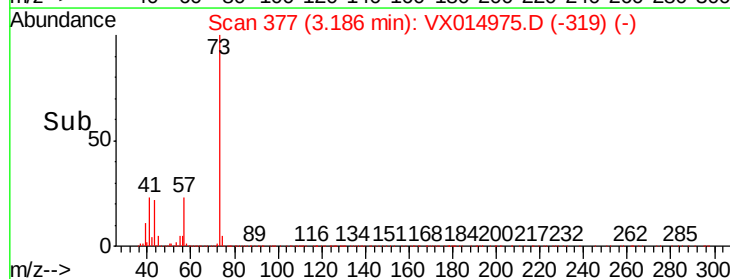
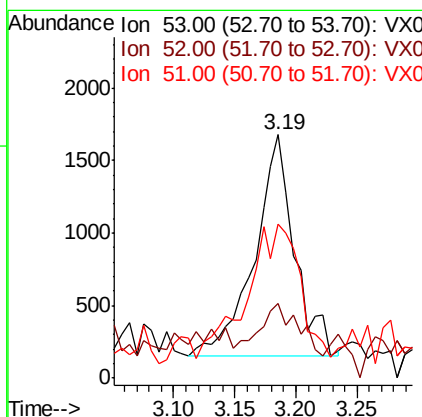
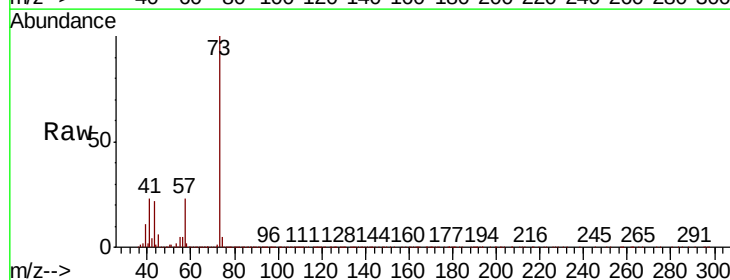
Instrument :
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ClientSampleId :

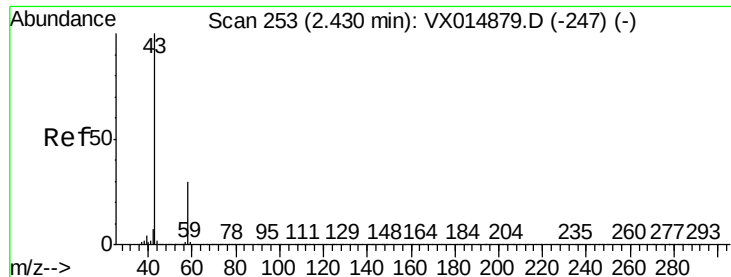
Tot Ion: 41 Resp: 1675
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
76 0.0 26.8 40.2#



#15
Acrylonitrile
Concen: 1.555 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.05 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 53 Resp: 3465
Ion Ratio Lower Upper
53 100
52 20.1 65.8 98.6#
51 81.0 29.1 43.7#

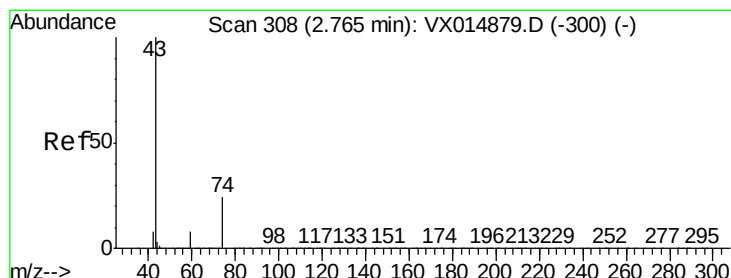
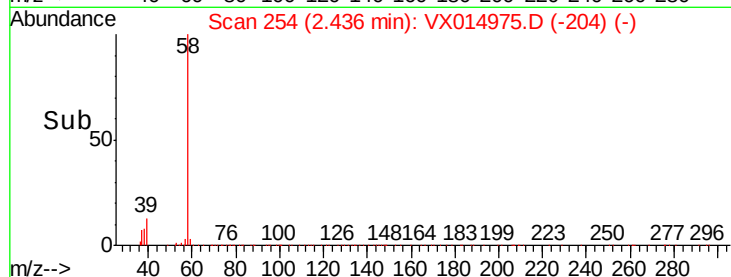
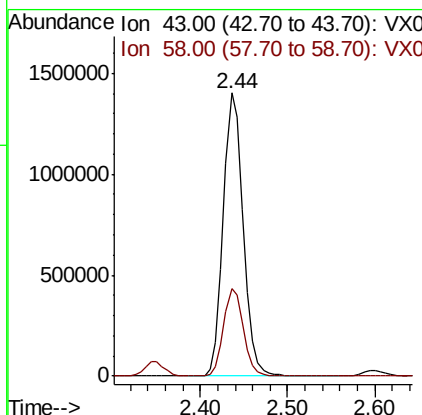
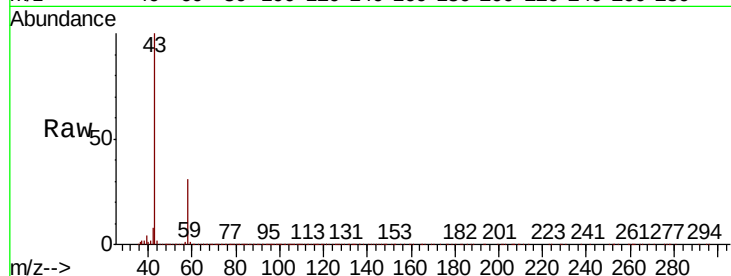




#16
Acetone
Concen: 848.838 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

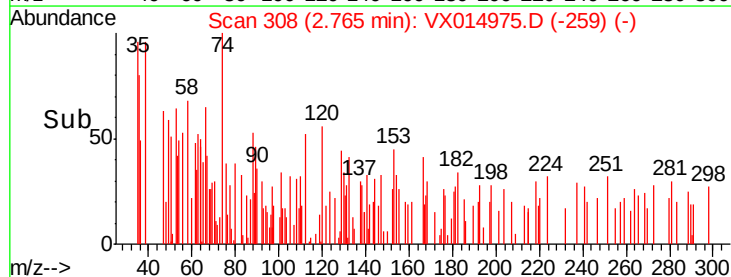
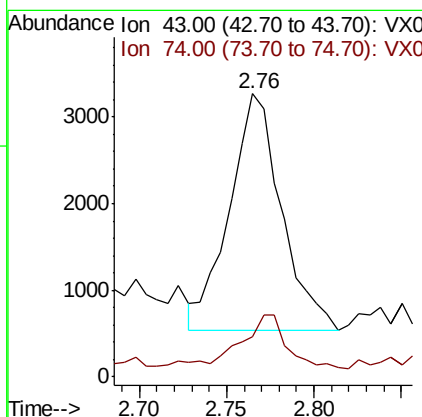
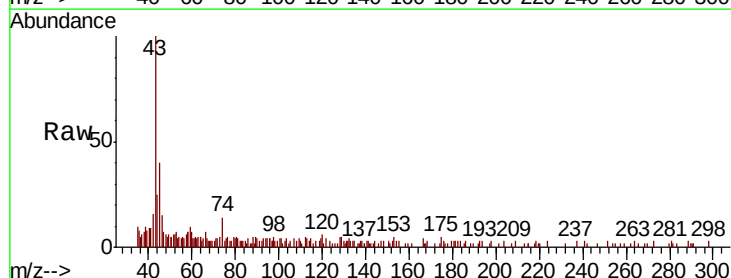
Instrument :
MSVOA_X
ClientSampled :

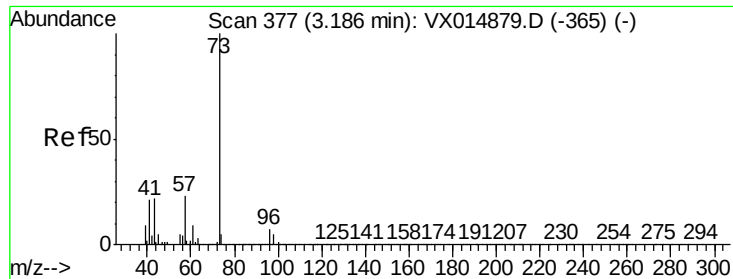
Tot Ion: 43 Resp: 2200483
Ion Ratio Lower Upper
43 100
58 30.8 24.1 36.1



#18
Methyl Acetate
Concen: 1.121 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 43 Resp: 5623
Ion Ratio Lower Upper
43 100
74 23.6 19.4 29.0

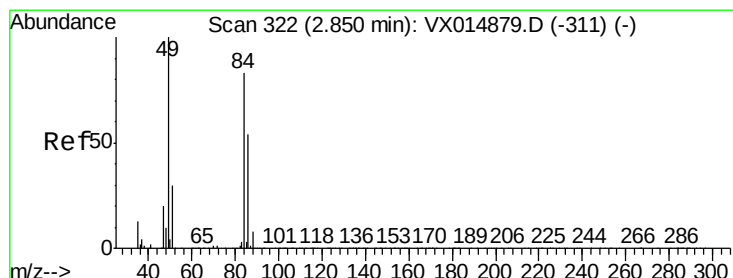
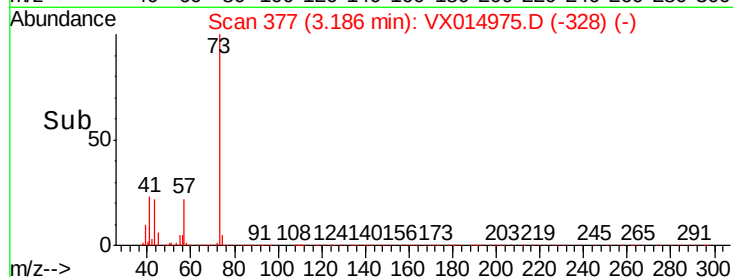
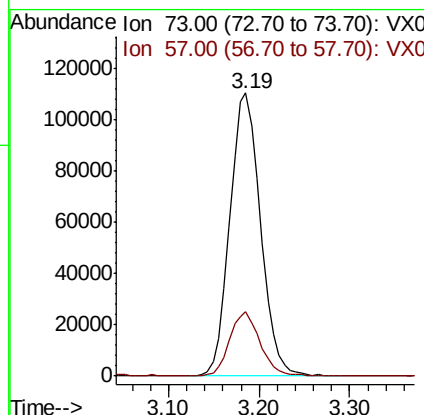
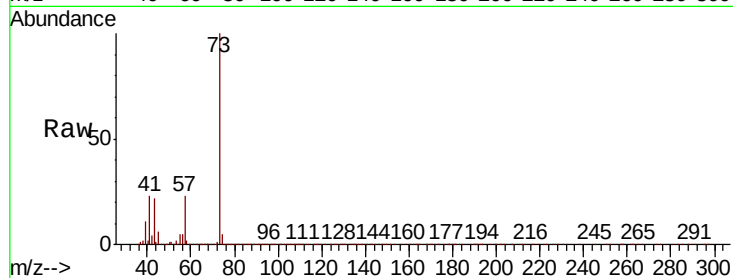




#19
Methyl tert-butyl Ether
Concen: 19.624 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

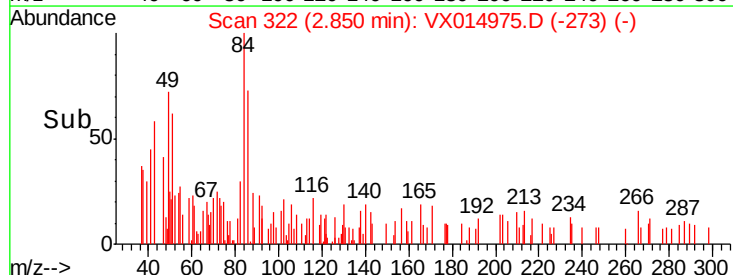
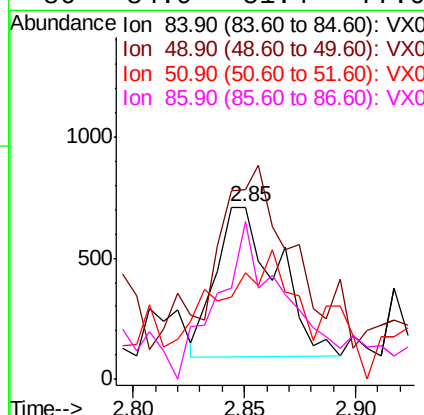
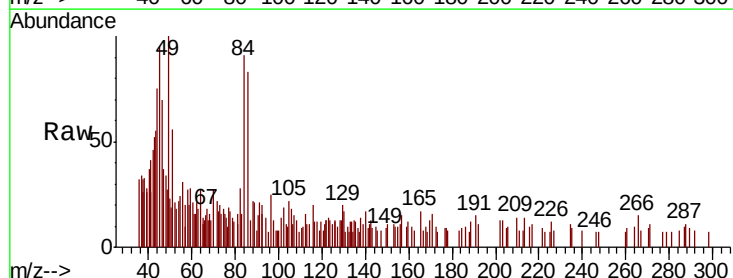
Instrument :
MSVOA_X
ClientSampled :

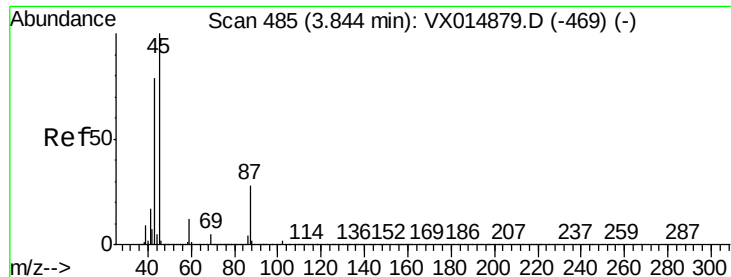
Tot Ion: 73 Resp: 258284
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 84 Resp: 1179
Ion Ratio Lower Upper
84 100
49 84.6 95.6 143.4#
51 32.2 29.0 43.6
86 84.9 51.4 77.0#





#22

Diisopropyl ether

Concen: 1.847 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX014975.D

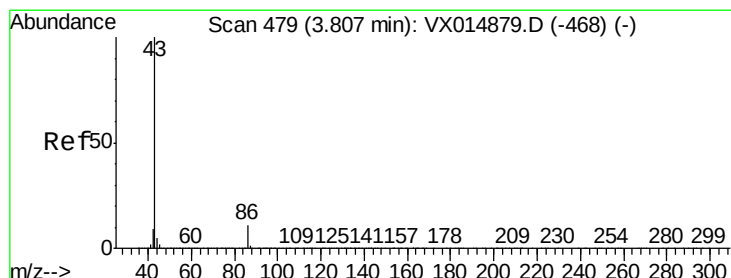
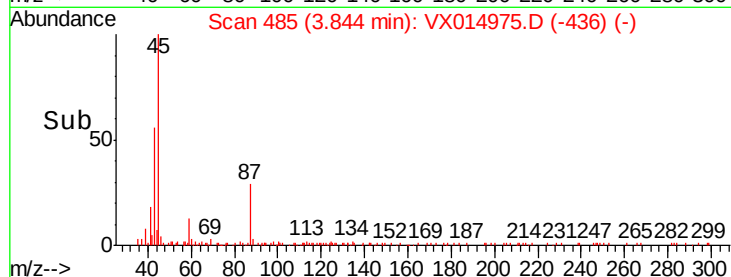
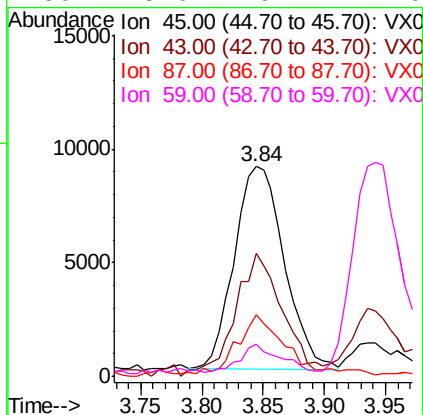
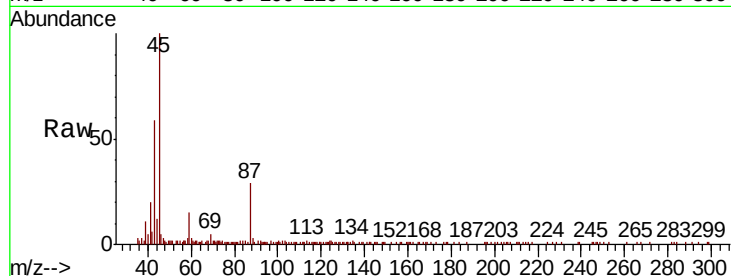
Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	45	Resp:	25295
Ion	Ratio	Lower	Upper
45	100		
43	57.7	63.5	95.3#
87	28.6	22.2	33.4
59	13.6	9.4	14.0



#23

Vinyl Acetate

Concen: 1.301 ug/l

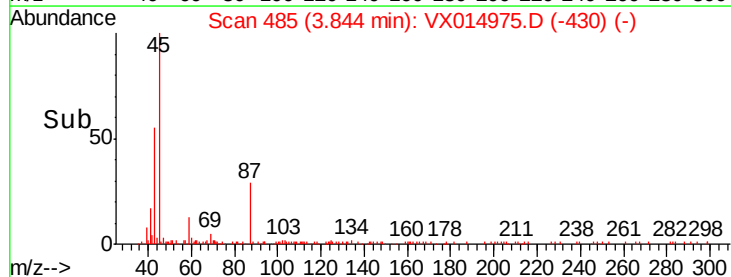
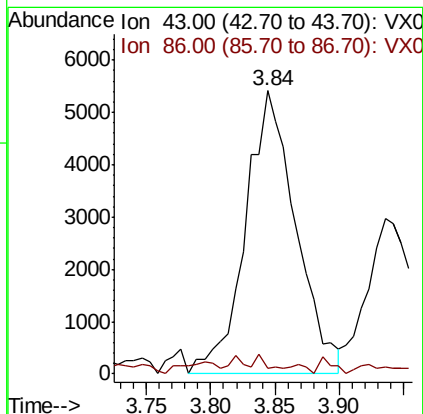
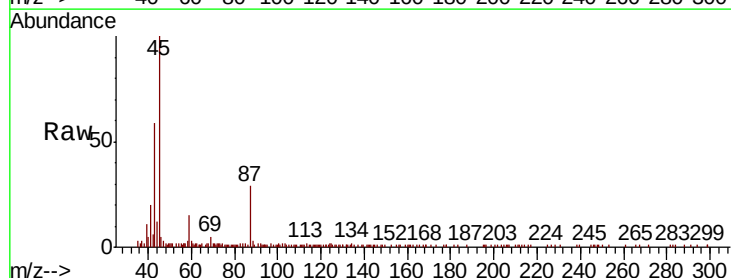
RT: 3.84 min Scan# 485

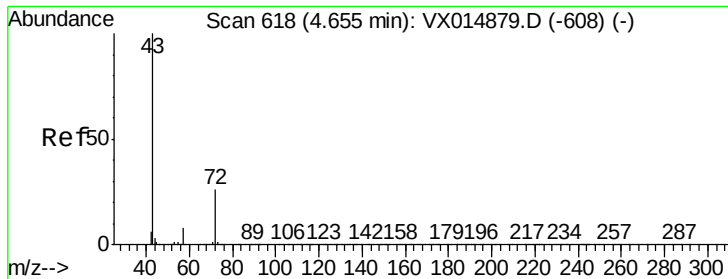
Delta R.T. 0.04 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Tgt Ion:	43	Resp:	14689
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#25

2-Butanone

Concen: 158.812 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

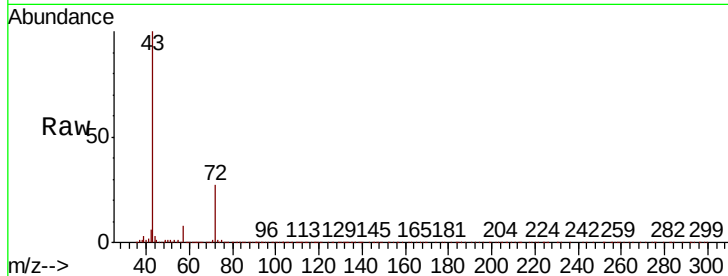
ClientSampled :

Tot Ion: 43 Resp: 538374

Ion Ratio Lower Upper

43 100

72 26.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

200000

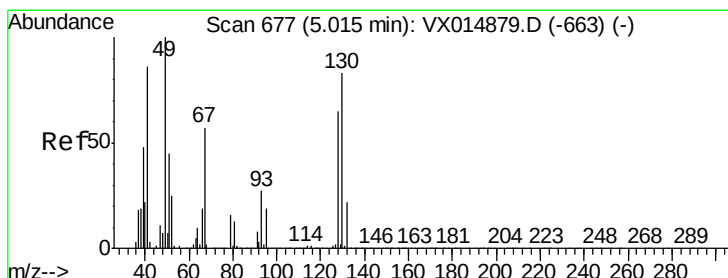
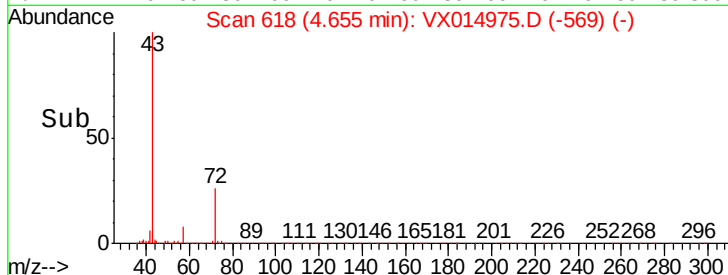
150000

100000

50000

0

Time--> 4.50 4.60 4.70 4.80



#28

Bromochloromethane

Concen: 0.253 ug/l

RT: 5.04 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

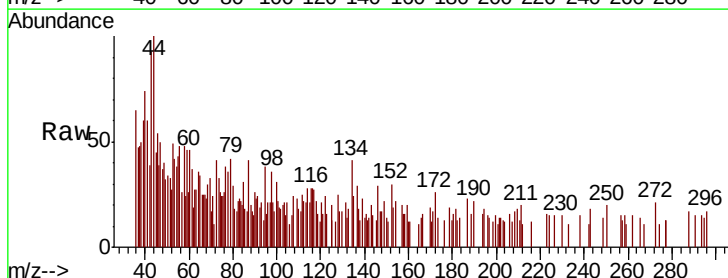
Tgt Ion: 49 Resp: 757

Ion Ratio Lower Upper

49 100

129 28.5 0.0 5.2#

130 0.0 67.4 101.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

600

500

400

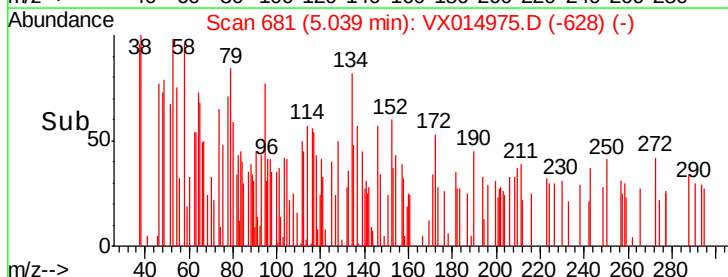
300

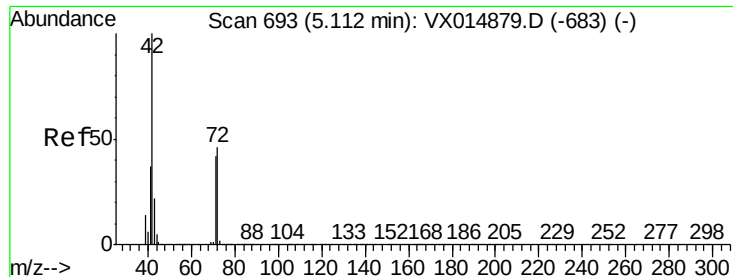
200

100

0

Time--> 4.98 5.00 5.02 5.04 5.06

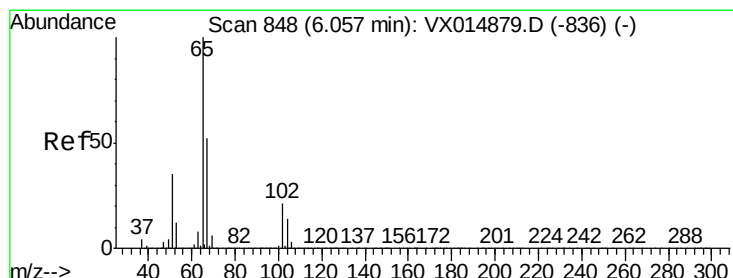
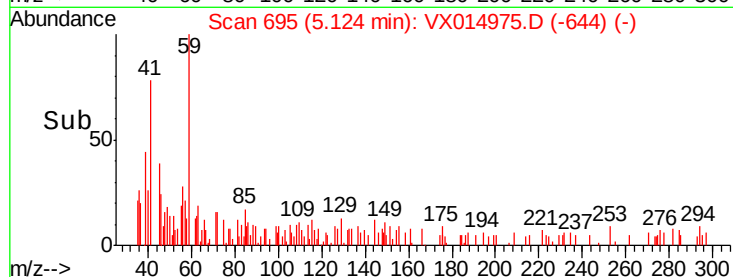
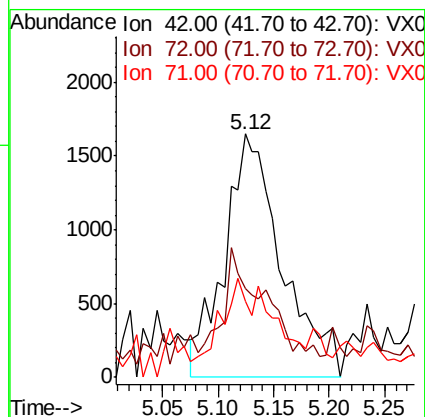
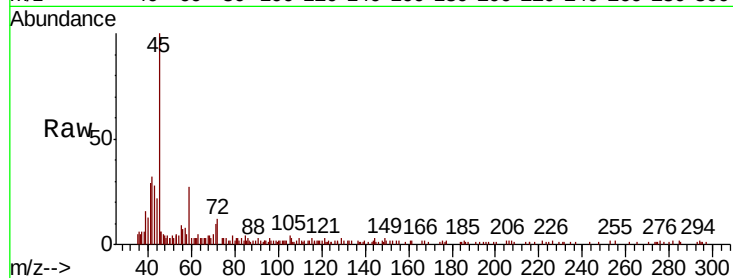




#29
Tetrahydrofuran
Concen: 3.062 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

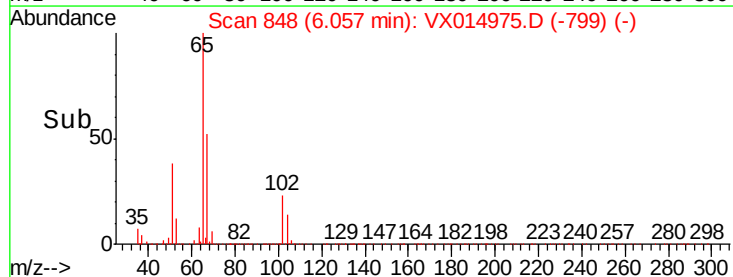
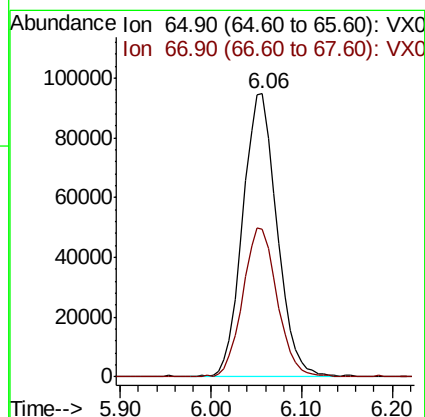
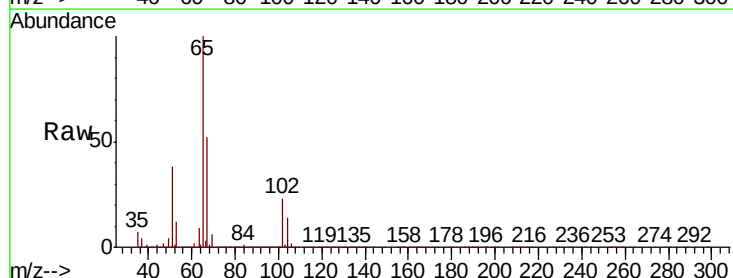
Instrument :
MSVOA_X
ClientSampleId :

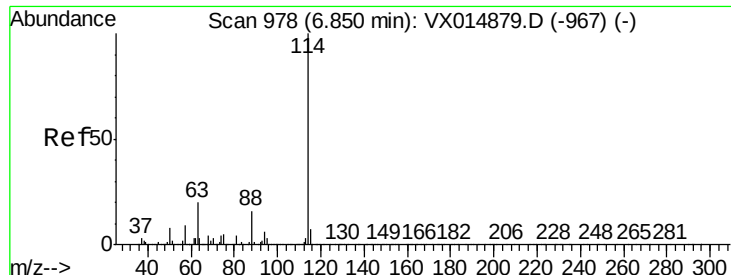
Tot Ion: 42 Resp: 5901
Ion Ratio Lower Upper
42 100
72 30.6 36.9 55.3#
71 13.6 34.1 51.1#



#33
1,2-Dichloroethane-d4
Concen: 50.029 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 65 Resp: 249117
Ion Ratio Lower Upper
65 100
67 52.0 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: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

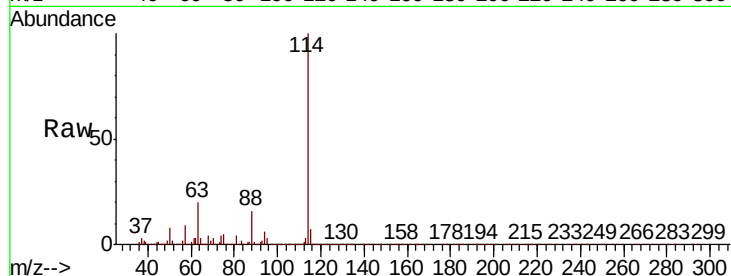
Tot Ion:114 Resp: 691054

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

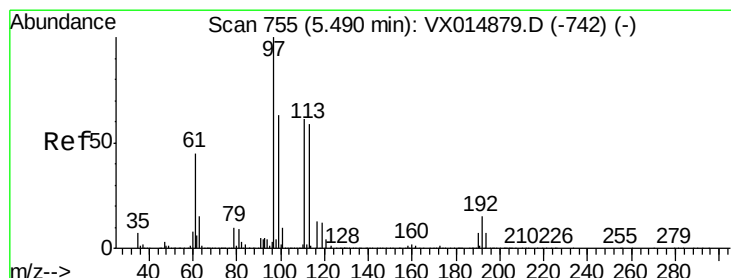
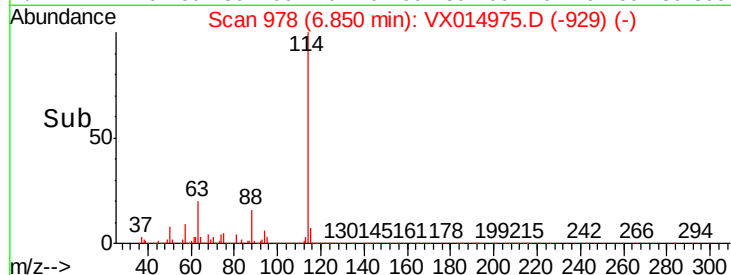
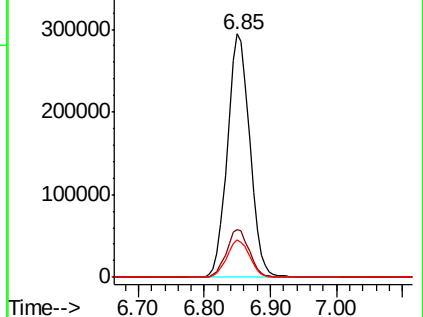
88 15.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.787 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

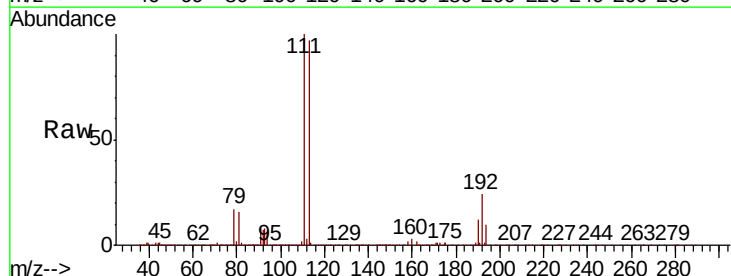
Tgt Ion:113 Resp: 207267

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

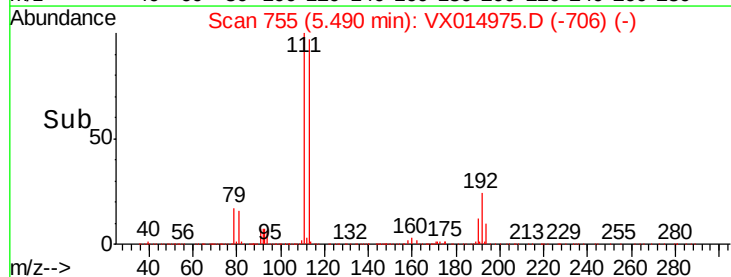
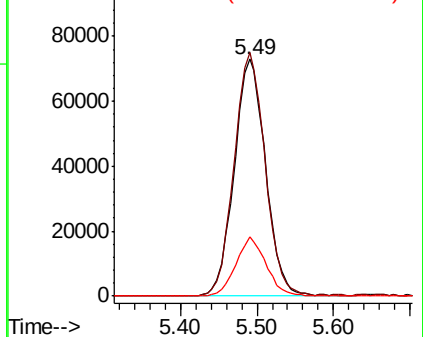
192 24.0 19.1 28.7

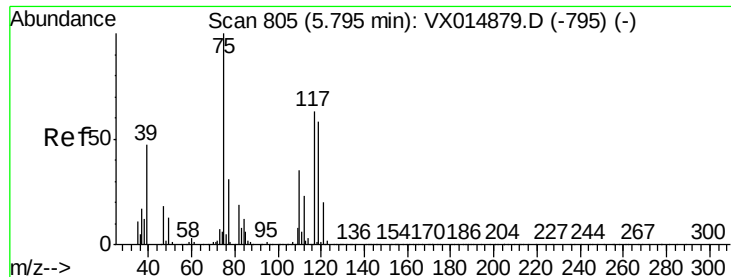


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

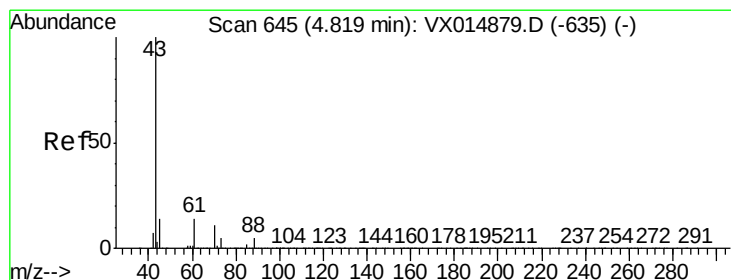
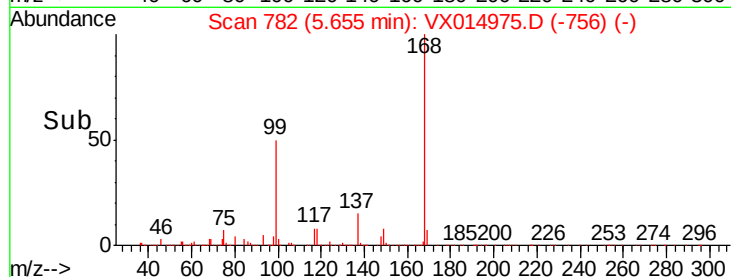
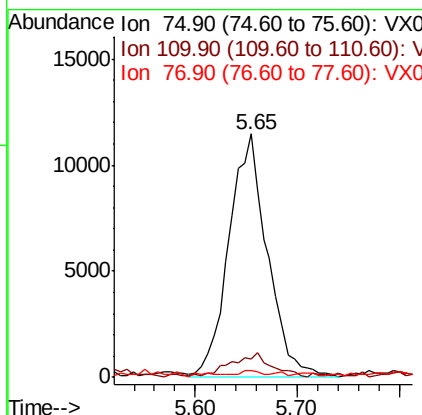
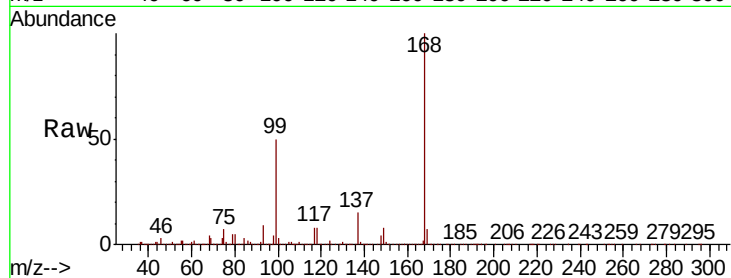




#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

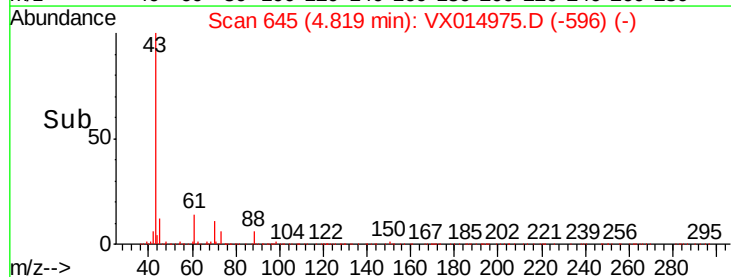
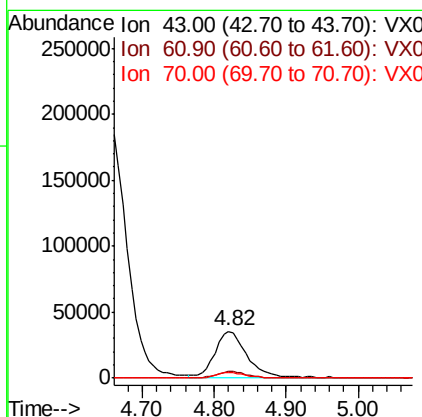
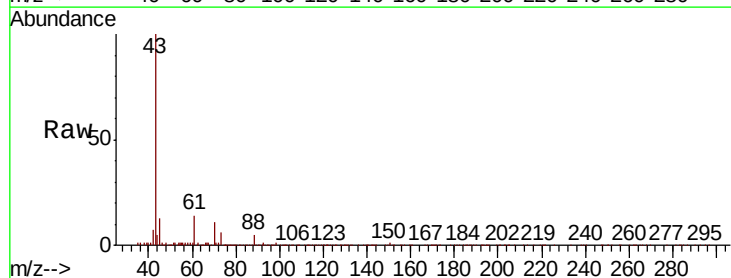
Instrument :
 MSVOA_X
 ClientSampleId :

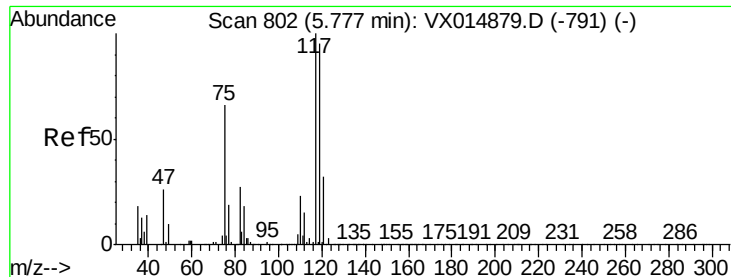
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.3	54.8#
77	0.9	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 16.575 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	11.6	8.7	13.1





#38

Carbon Tetrachloride

Concen: 6.141 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

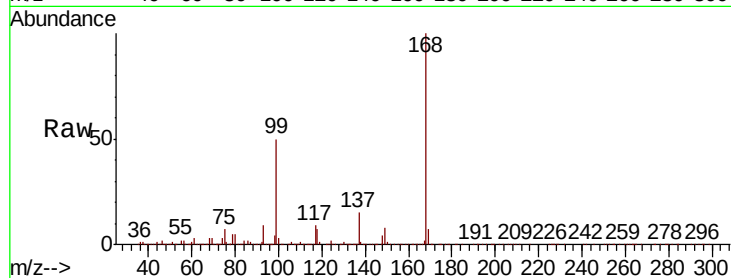
Tot Ion:117 Resp: 36992

Ion Ratio Lower Upper

117 100

119 5.6 76.0 114.0#

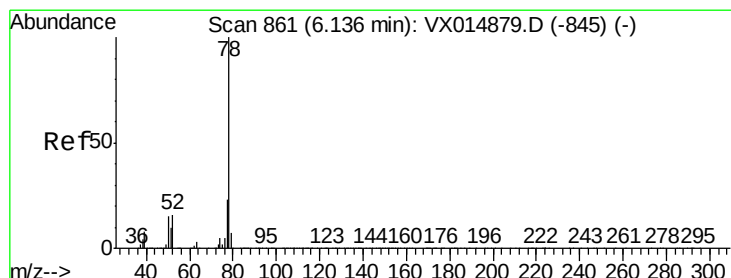
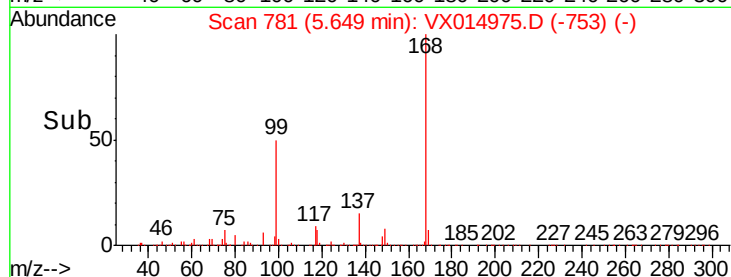
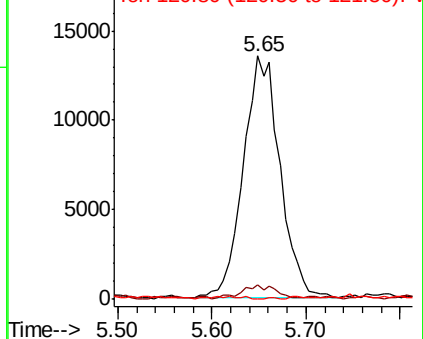
121 0.0 25.4 38.2#



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



#40

Benzene

Concen: 22.302 ug/l

RT: 6.14 min Scan# 861

Delta R.T. -0.00 min

Lab File: VX014975.D

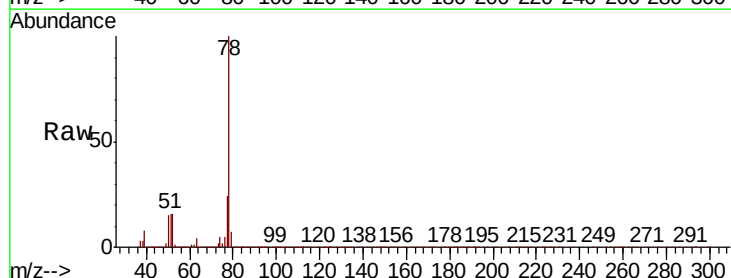
Acq: 20 Feb 2020 13:22

Tgt Ion: 78 Resp: 411909

Ion Ratio Lower Upper

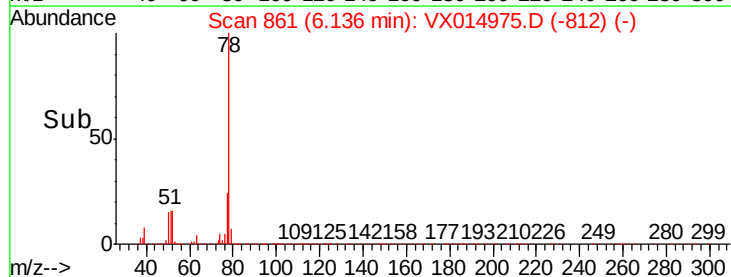
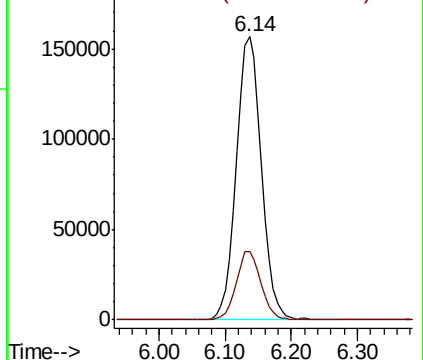
78 100

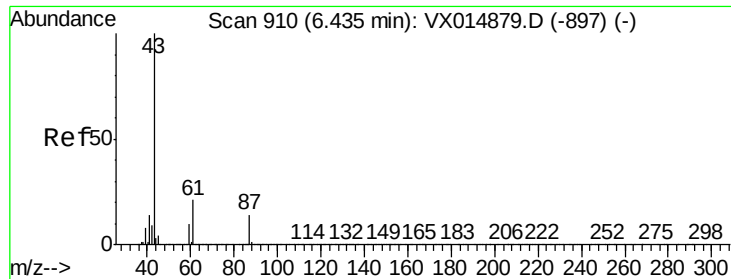
77 24.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#43

Isopropyl Acetate

Concen: 0.502 ug/l

RT: 6.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

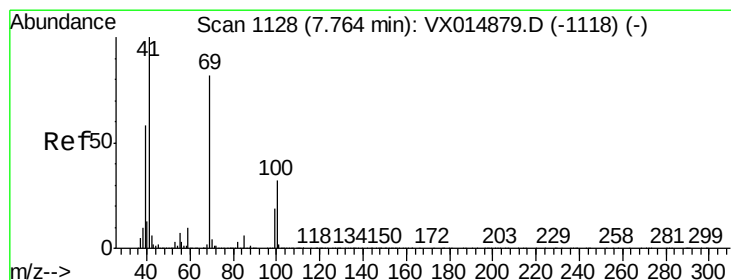
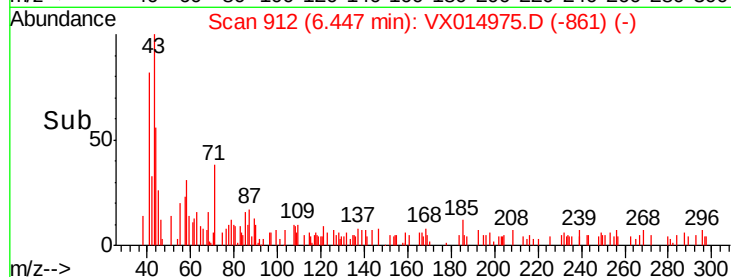
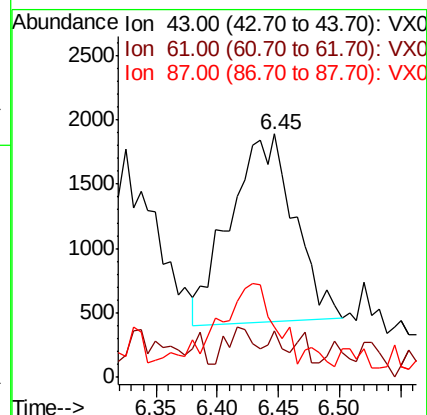
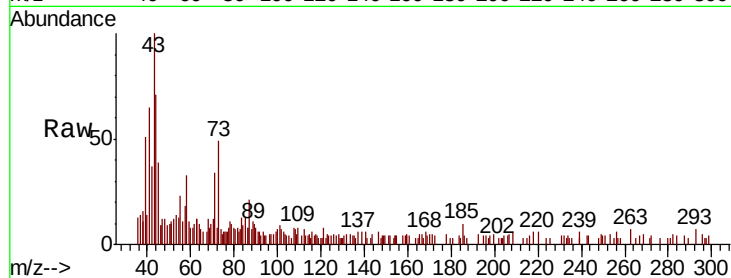
Tot Ion: 43 Resp: 5337

Ion Ratio Lower Upper

43 100

61 3.3 16.2 24.4#

87 0.0 11.0 16.6#



#48

Methyl methacrylate

Concen: 0.309 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

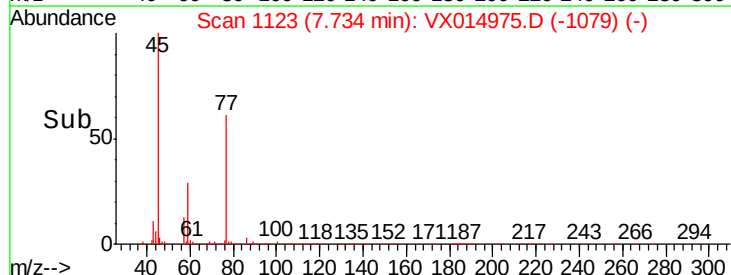
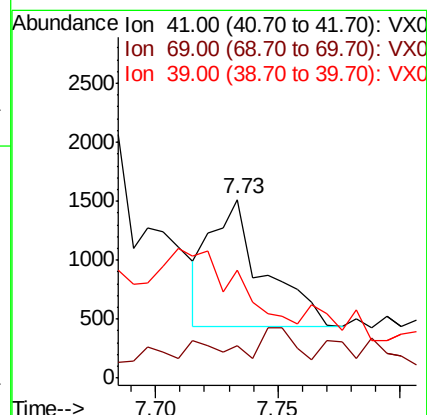
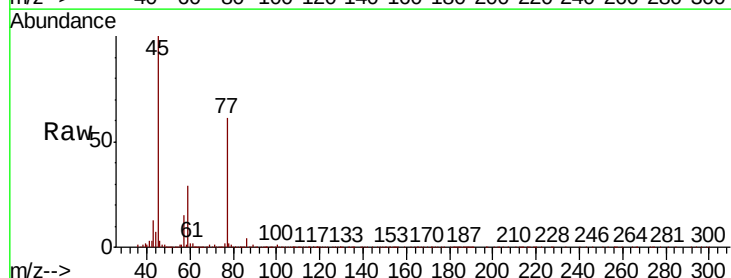
Tgt Ion: 41 Resp: 1616

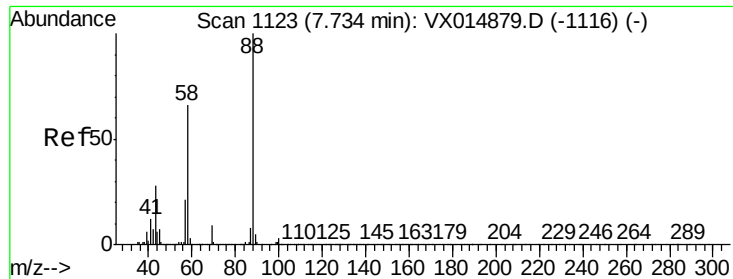
Ion Ratio Lower Upper

41 100

69 14.3 65.7 98.5#

39 0.0 45.8 68.8#





#49

1,4-Dioxane

Concen: 3.525 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

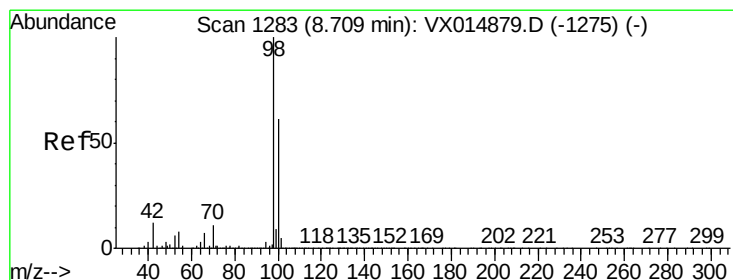
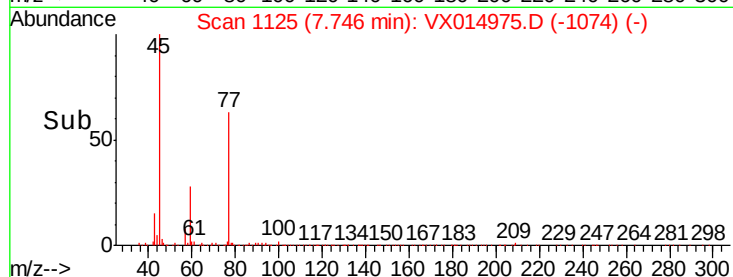
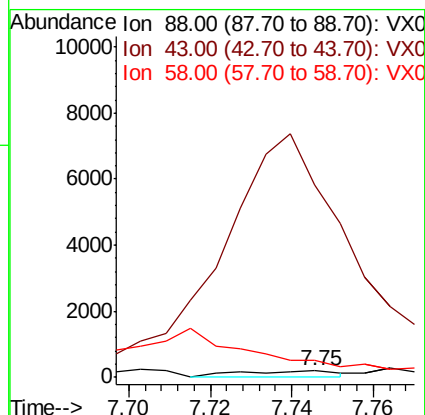
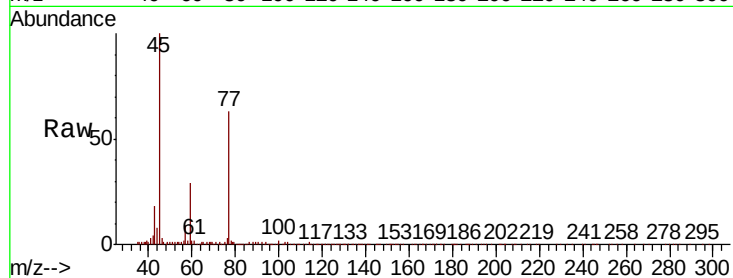
Tot Ion: 88 Resp: 345

Ion Ratio Lower Upper

88 100

43 3885.2 27.0 40.4#

58 0.0 53.2 79.8#



#50

Toluene-d8

Concen: 52.076 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014975.D

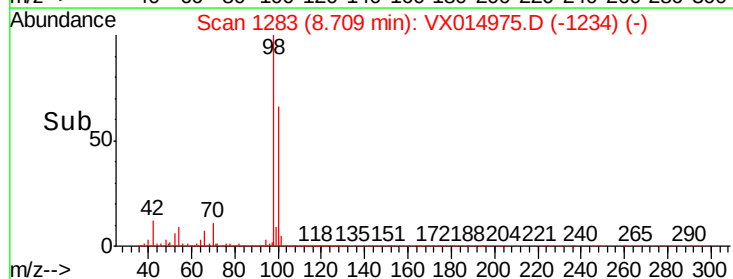
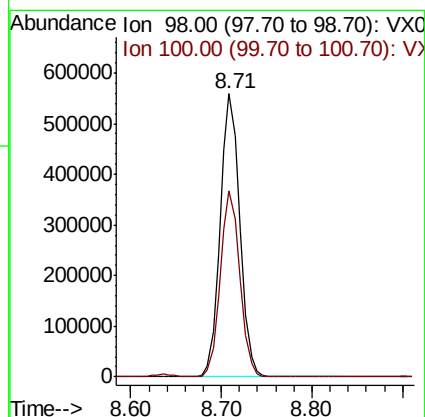
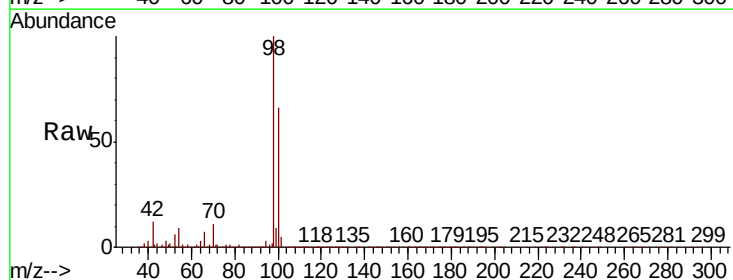
Acq: 20 Feb 2020 13:22

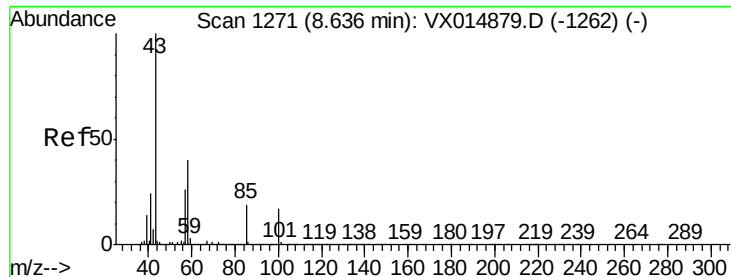
Tgt Ion: 98 Resp: 844495

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 7.495 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

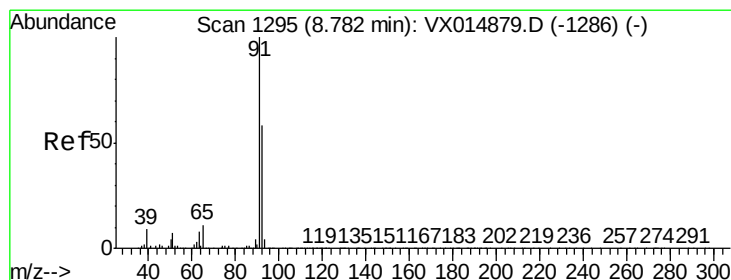
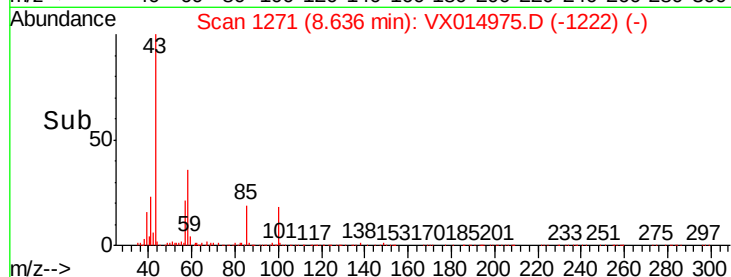
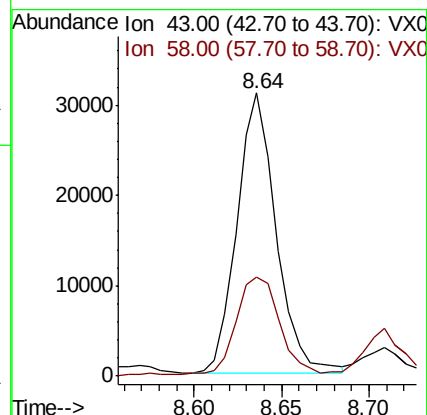
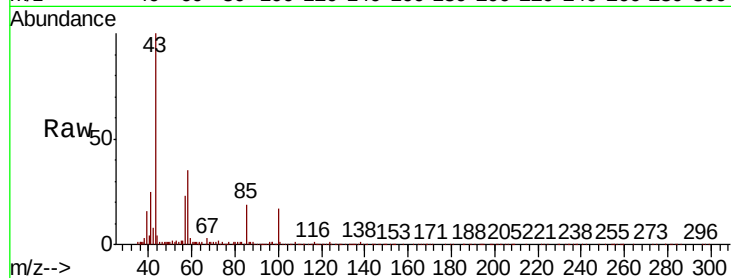
ClientSampleId :

Tot Ion: 43 Resp: 48134

Ion Ratio Lower Upper

43 100

58 38.8 31.9 47.9



#52

Toluene

Concen: 48.989 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014975.D

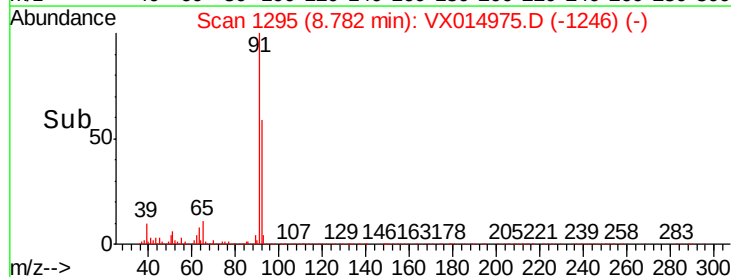
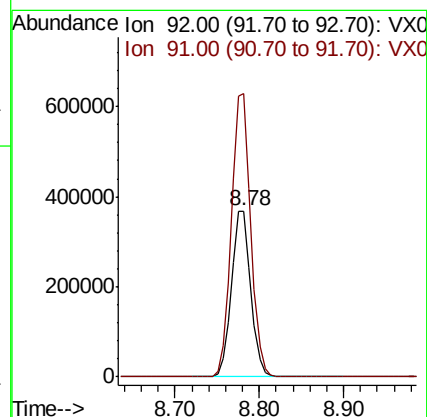
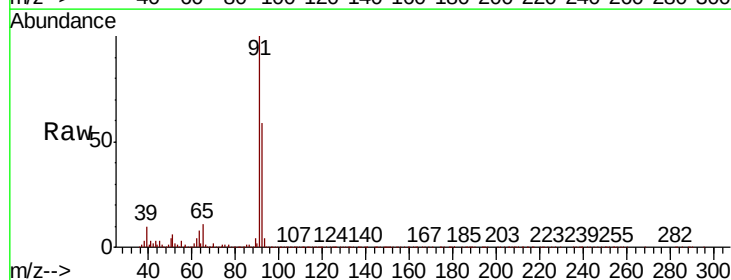
Acq: 20 Feb 2020 13:22

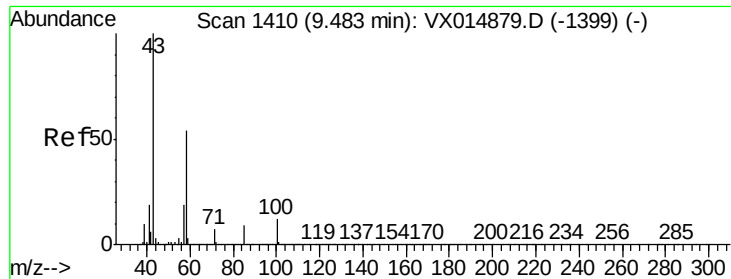
Tgt Ion: 92 Resp: 574685

Ion Ratio Lower Upper

92 100

91 171.6 137.0 205.4

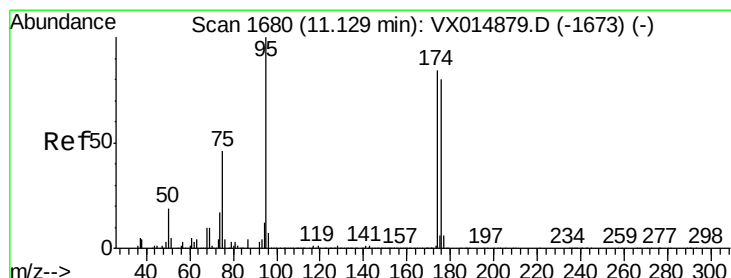
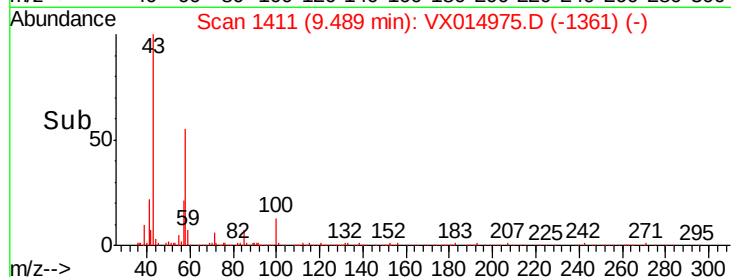
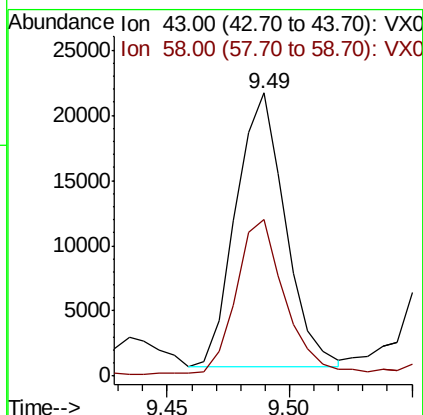
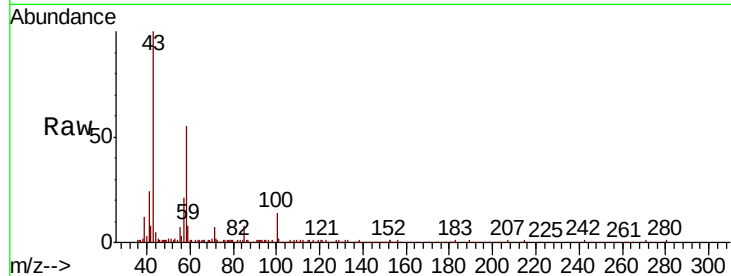




#59
2-Hexanone
Concen: 5.828 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

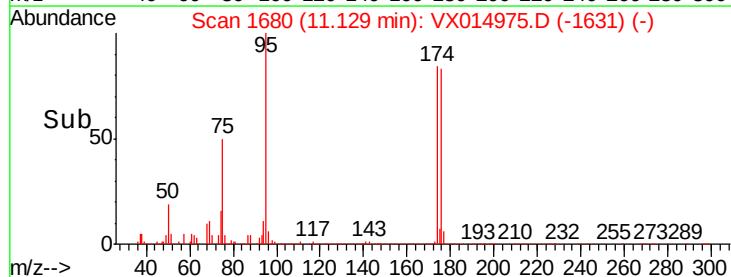
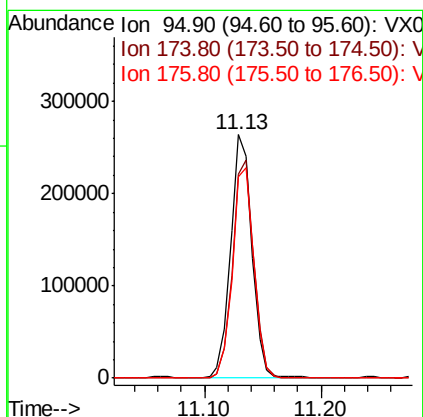
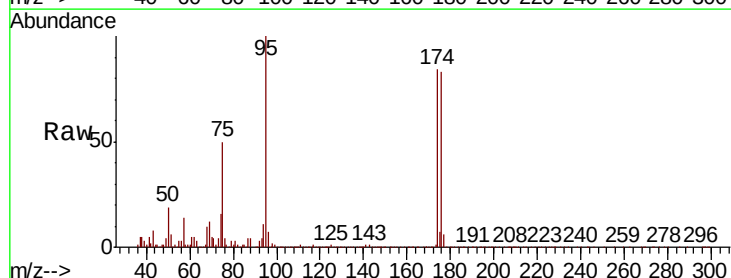
Instrument :
MSVOA_X
ClientSampleId :

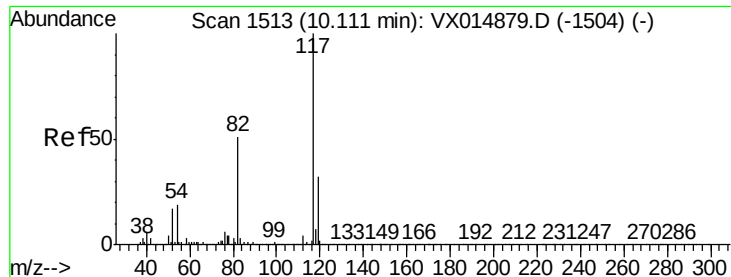
Tot Ion: 43 Resp: 29421
Ion Ratio Lower Upper
43 100
58 56.0 27.5 82.5



#62
4-Bromofluorobenzene
Concen: 57.559 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 95 Resp: 336246
Ion Ratio Lower Upper
95 100
174 89.4 0.0 183.0
176 87.1 0.0 178.0

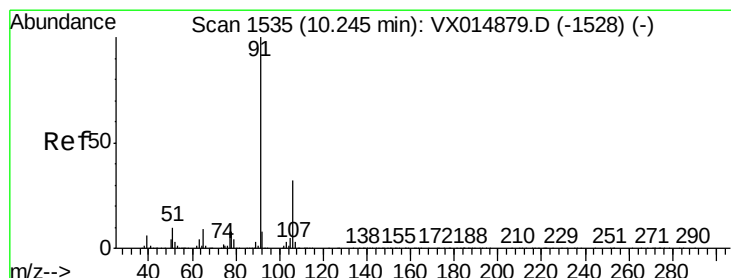
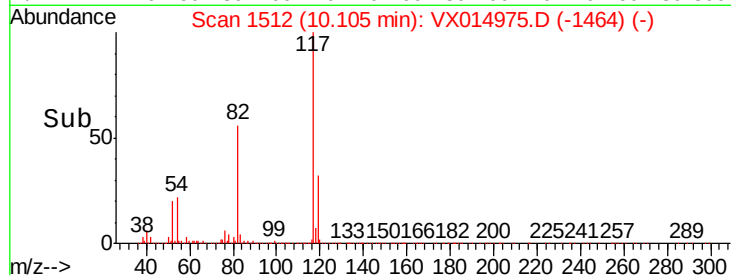
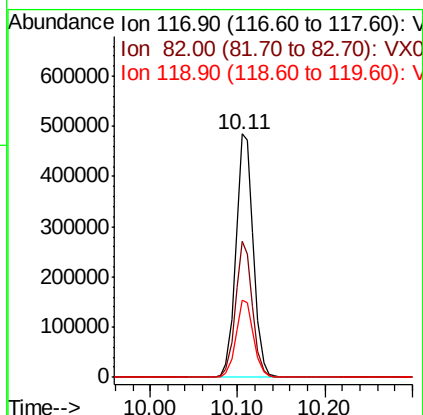
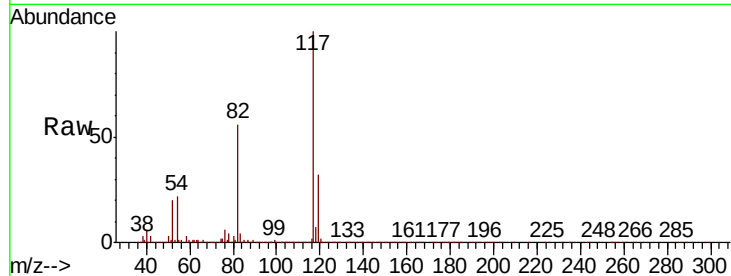




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

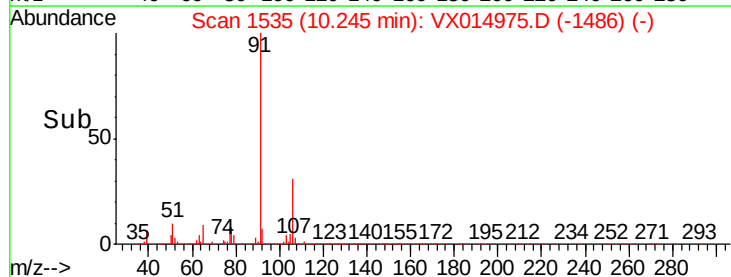
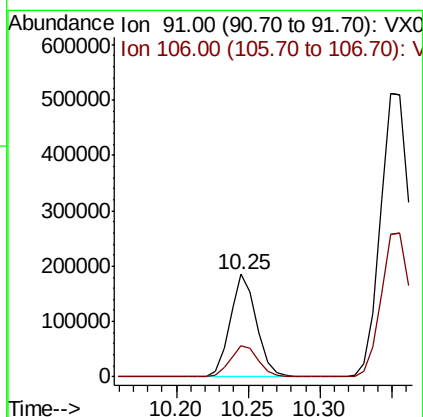
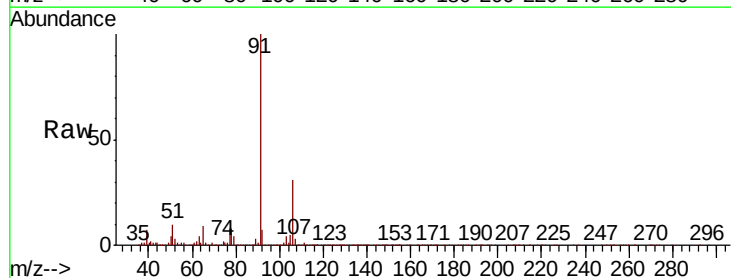
Instrument :
MSVOA_X
ClientSampleId :

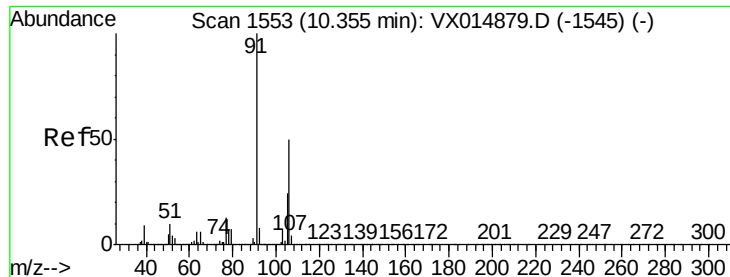
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	40.5	60.7
119	31.8	25.8	38.6



#67
Ethyl Benzene
Concen: 10.144 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.3	37.9





#68

m/p-Xylenes

Concen: 39.883 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

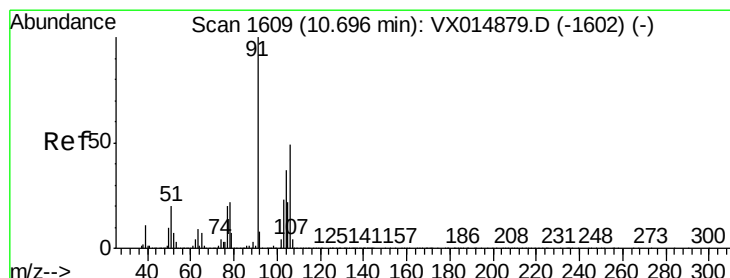
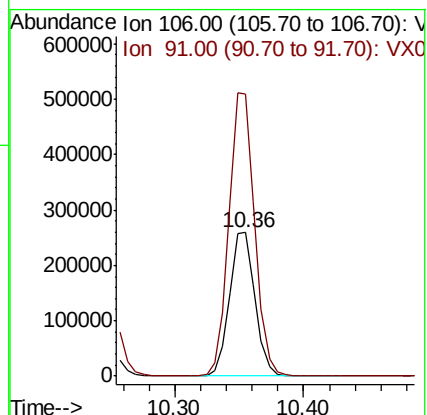
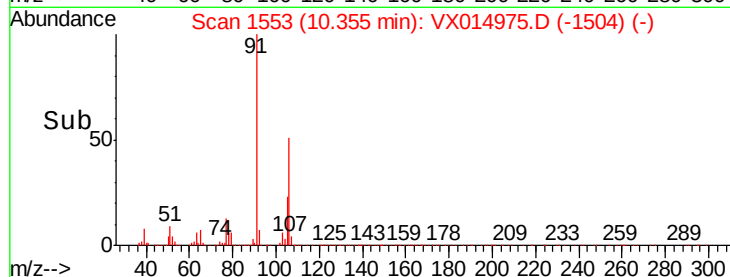
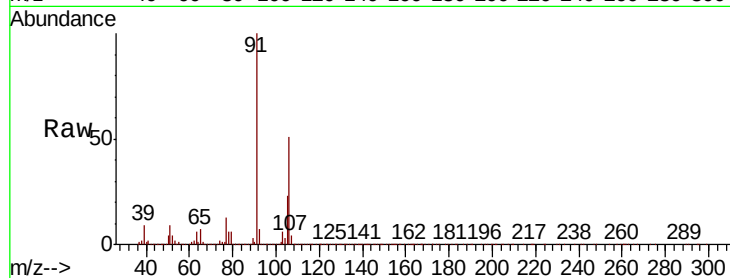
ClientSampleId :

Tot Ion:106 Resp: 358963

Ion Ratio Lower Upper

106 100

91 200.0 160.6 240.8



#69

o-Xylene

Concen: 29.093 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX014975.D

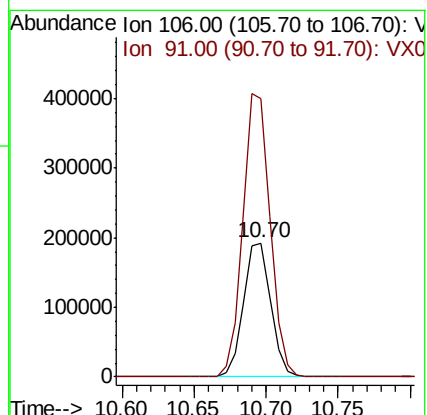
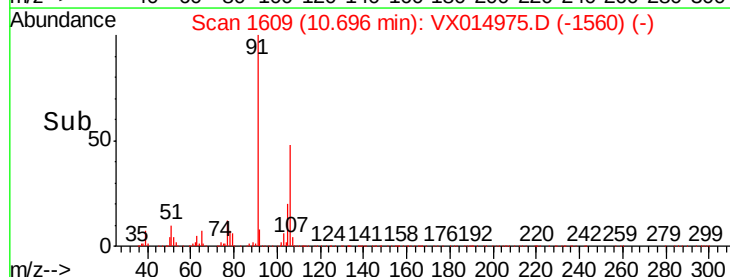
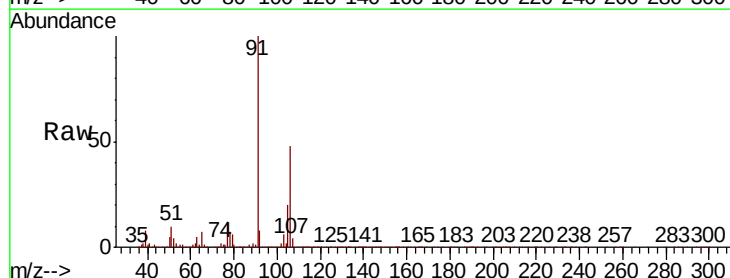
Acq: 20 Feb 2020 13:22

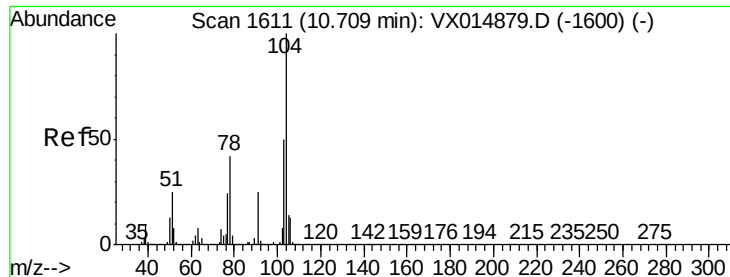
Tgt Ion:106 Resp: 251701

Ion Ratio Lower Upper

106 100

91 212.2 105.1 315.3





#70

Stvrene

Concen: 1.014 ug/l

RT: 10.69 min Scan# 1608

Delta R.T. -0.02 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

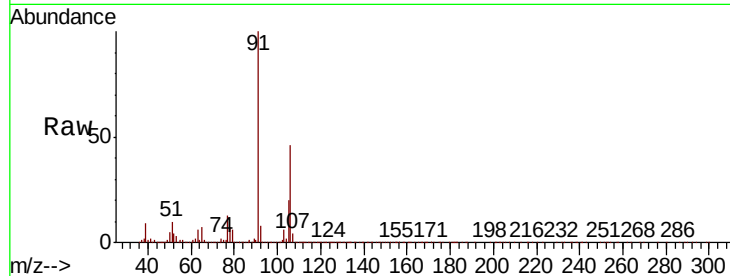
Tot Ion:104 Resp: 14837

Ion Ratio Lower Upper

104 100

78 251.2 39.0 58.4#

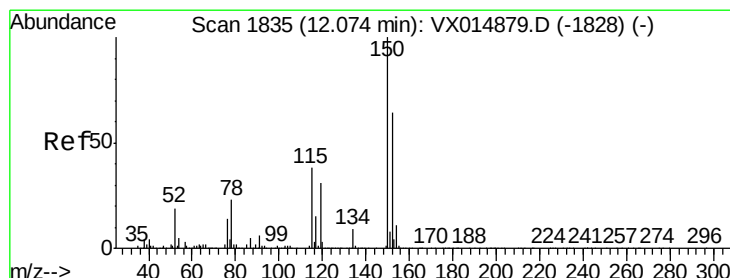
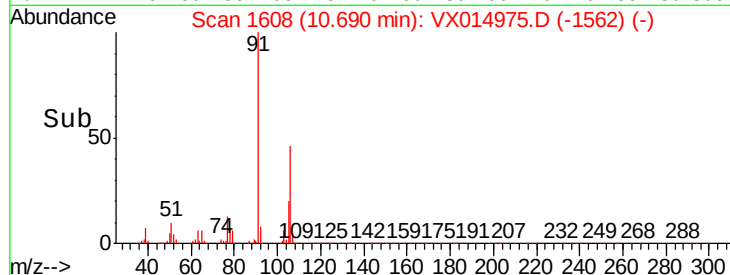
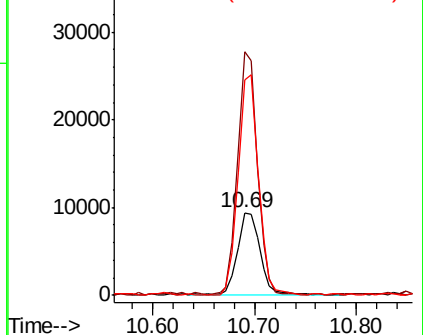
103 229.1 43.4 65.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

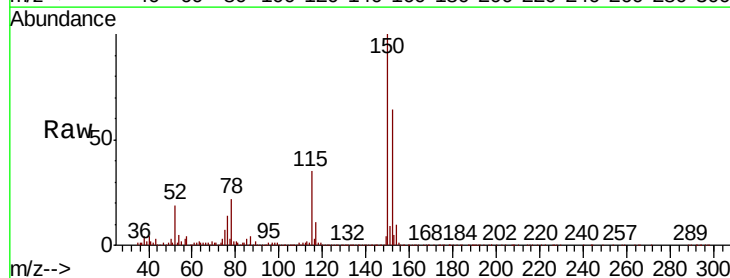
Tgt Ion:152 Resp: 373917

Ion Ratio Lower Upper

152 100

115 55.5 38.6 116.0

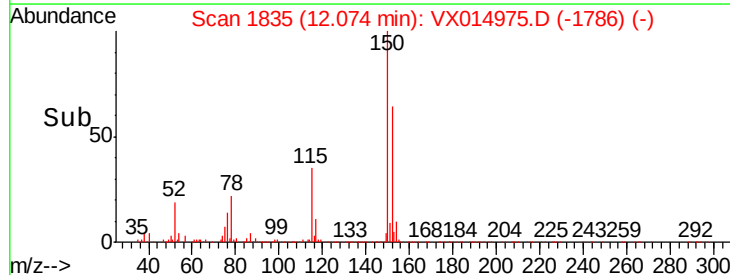
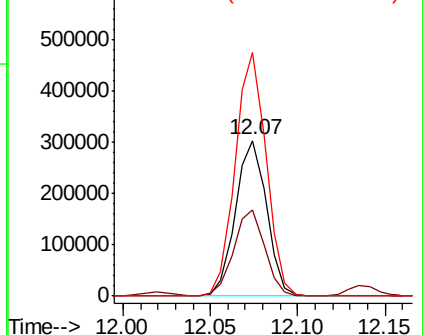
150 156.1 0.0 349.0

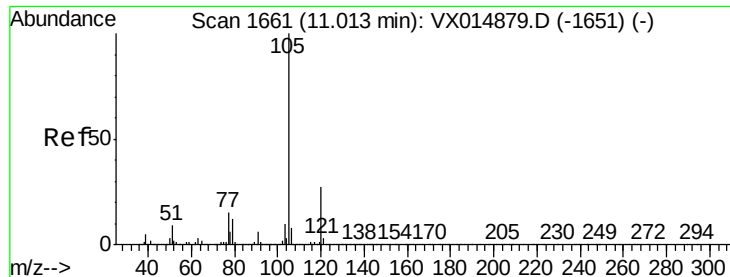


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.802 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

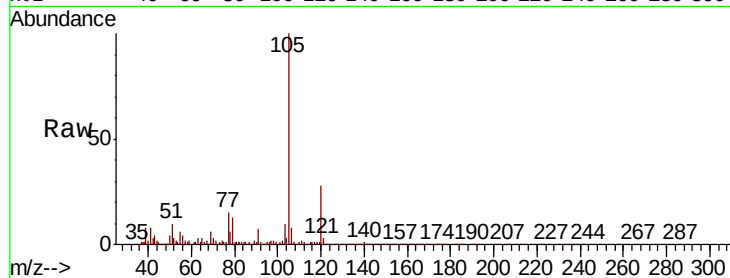
ClientSampleId :

Tot Ion:105 Resp: 65708

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

60000

50000

40000

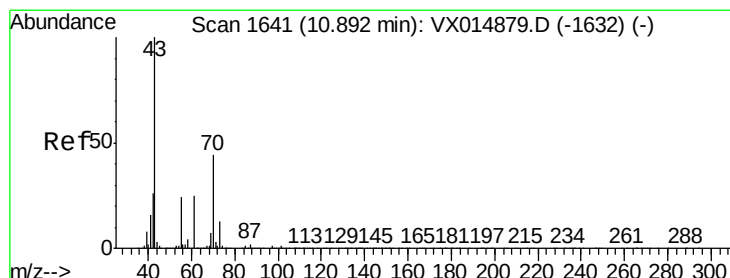
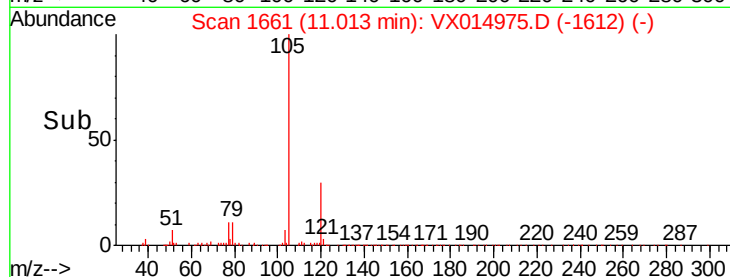
30000

20000

10000

0

Time-->



#74

N-ethyl acetate

Concen: 1.405 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Tgt Ion: 43 Resp: 13689

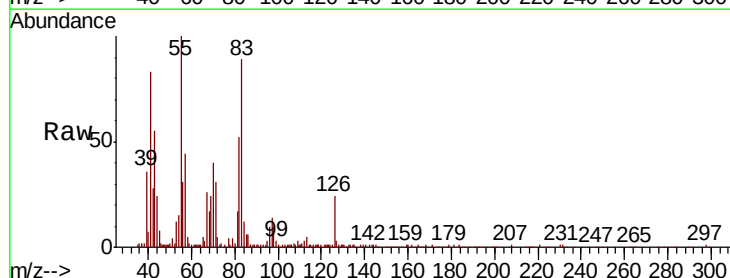
Ion Ratio Lower Upper

43 100

70 110.5 35.0 52.4#

55 254.3 19.4 29.2#

61 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

25000

20000

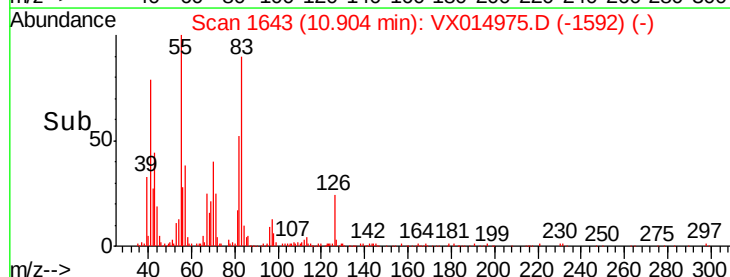
15000

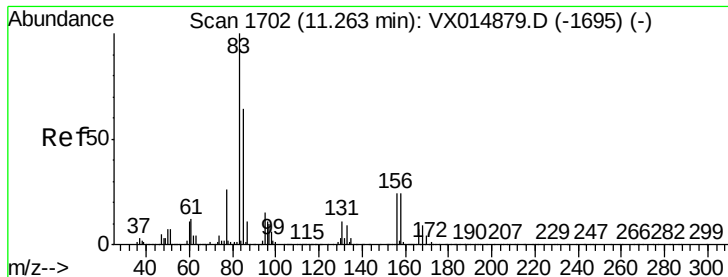
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.425 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

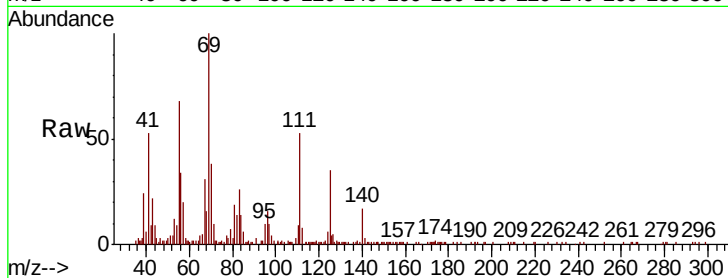
Tot Ion: 83 Resp: 3261

Ion Ratio Lower Upper

83 100

131 3.6 5.3 16.1#

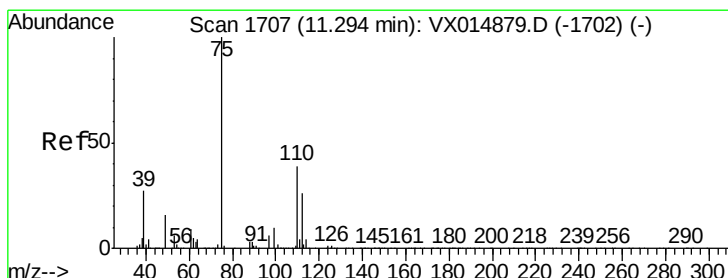
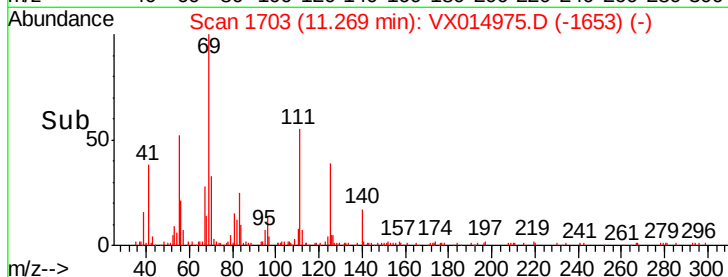
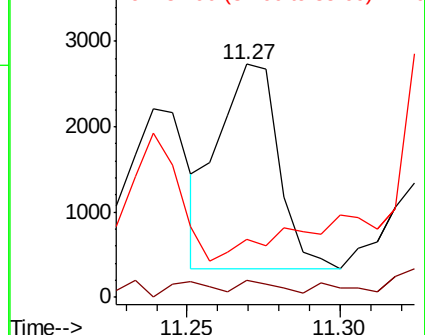
85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 4.188 ug/l

RT: 11.33 min Scan# 1713

Delta R.T. 0.04 min

Lab File: VX014975.D

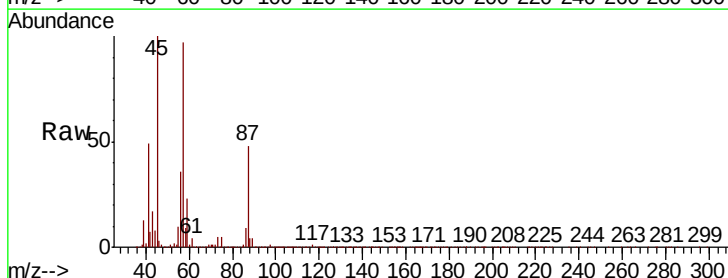
Acq: 20 Feb 2020 13:22

Tgt Ion: 75 Resp: 28317

Ion Ratio Lower Upper

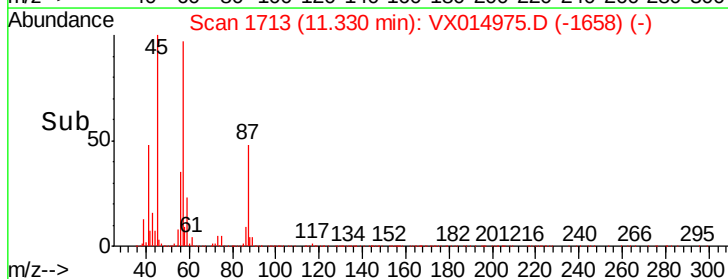
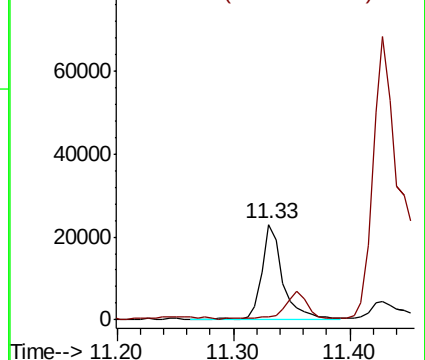
75 100

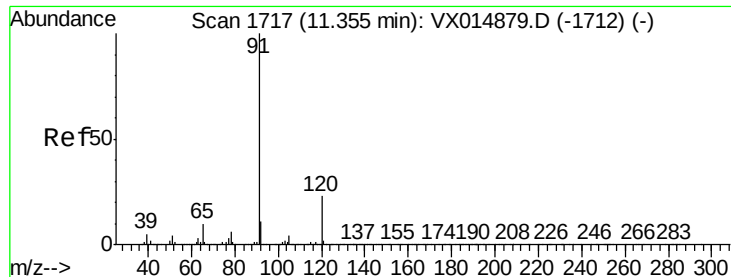
77 0.0 18.4 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 7.995 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

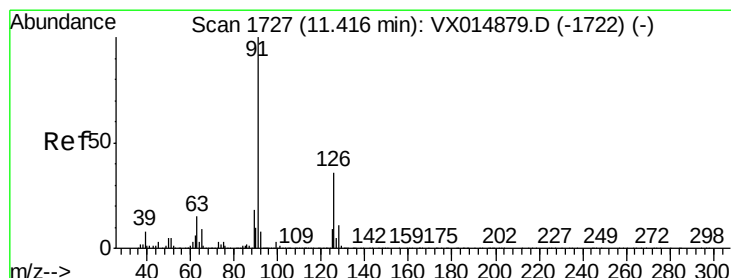
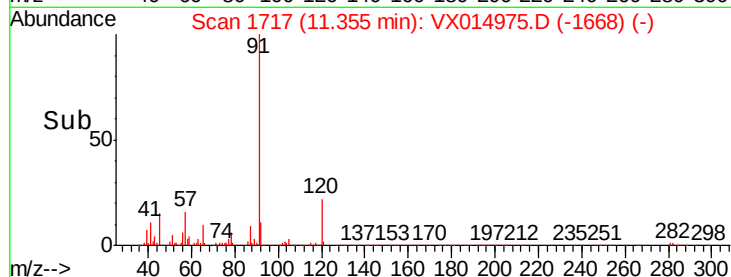
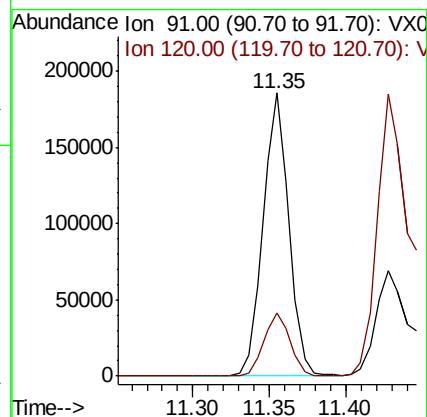
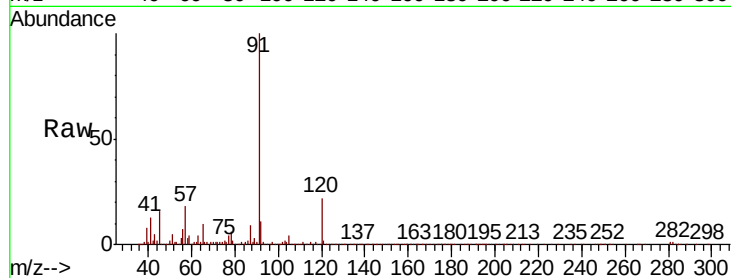
ClientSampled :

Tot Ion: 91 Resp: 216843

Ion Ratio Lower Upper

91 100

120 23.3 11.8 35.4



#79

2-Chlorotoluene

Concen: 6.914 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX014975.D

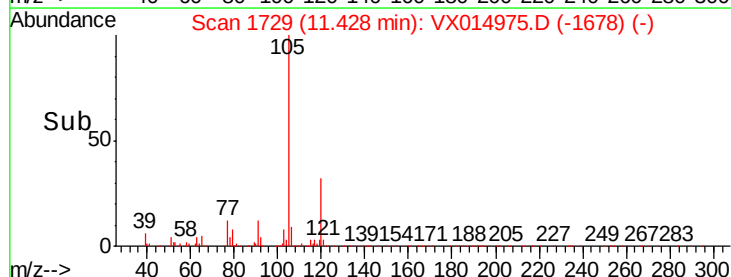
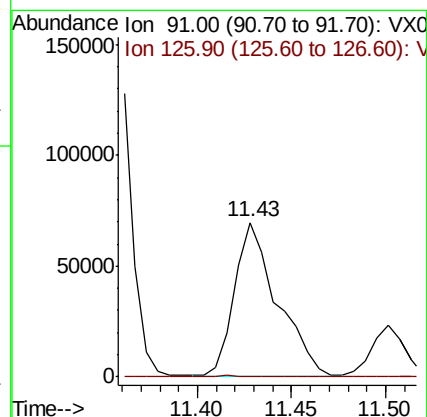
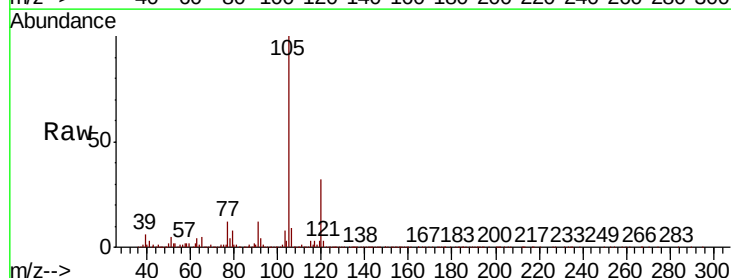
Acq: 20 Feb 2020 13:22

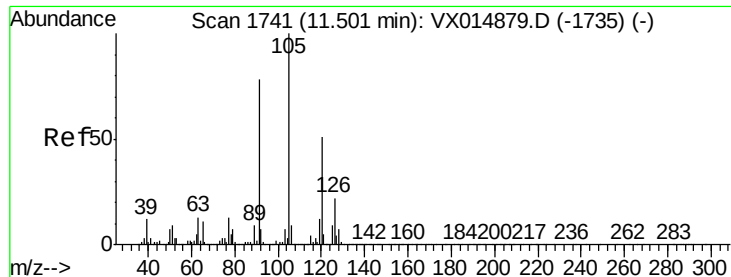
Tgt Ion: 91 Resp: 110231

Ion Ratio Lower Upper

91 100

126 0.3 18.0 54.0#





#80

1,3,5-Trimethylbenzene

Concen: 13.344 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

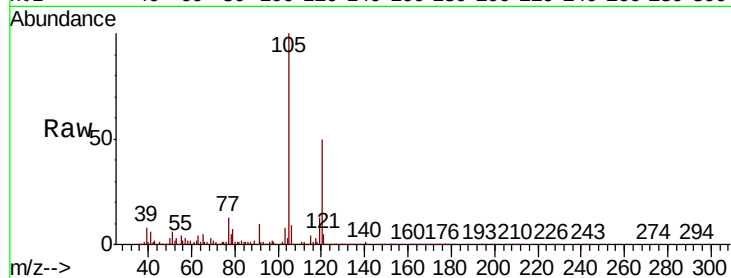
ClientSampleId :

Tot Ion:105 Resp: 261436

Ion Ratio Lower Upper

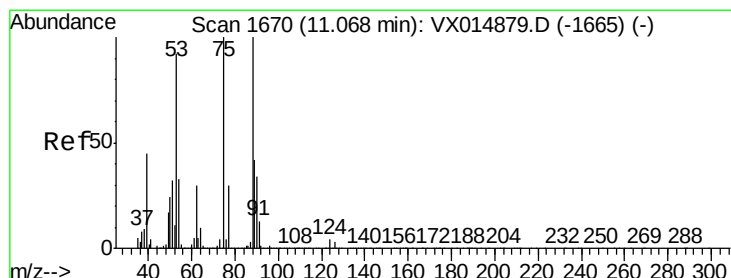
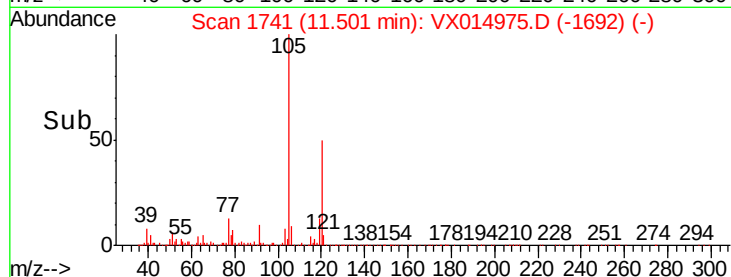
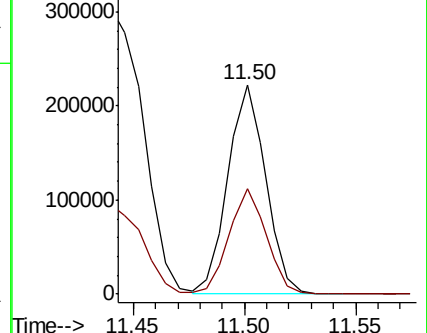
105 100

120 49.7 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 62.106 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

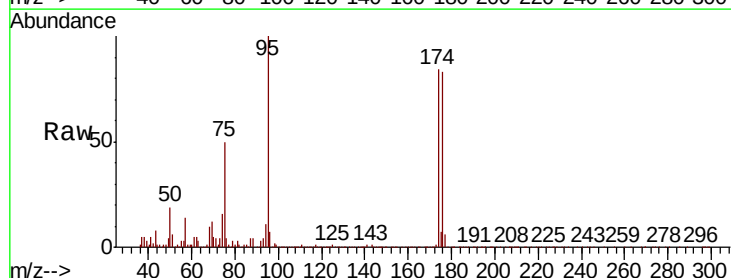
Tgt Ion: 75 Resp: 164057

Ion Ratio Lower Upper

75 100

53 0.7 76.2 114.2#

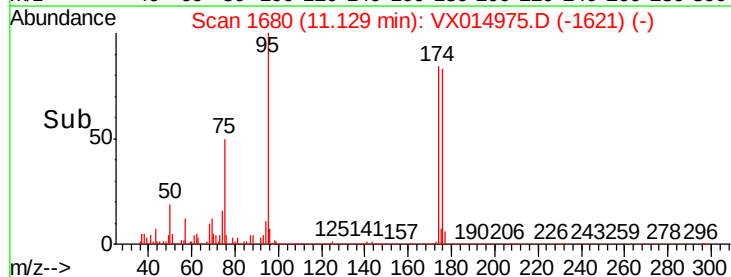
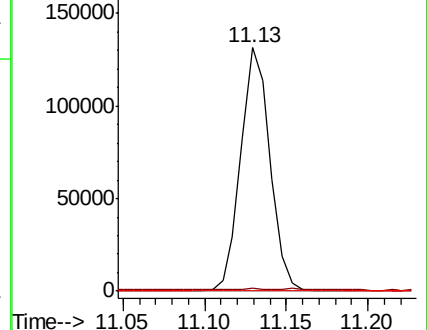
89 0.0 35.8 53.6#

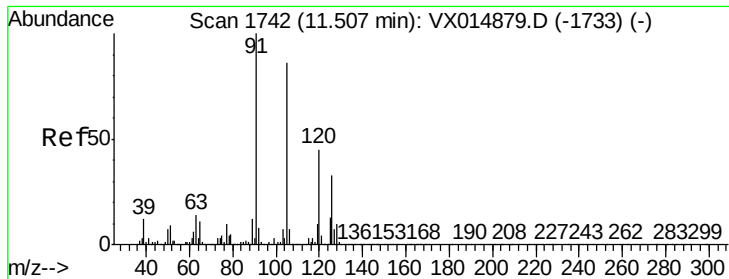


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

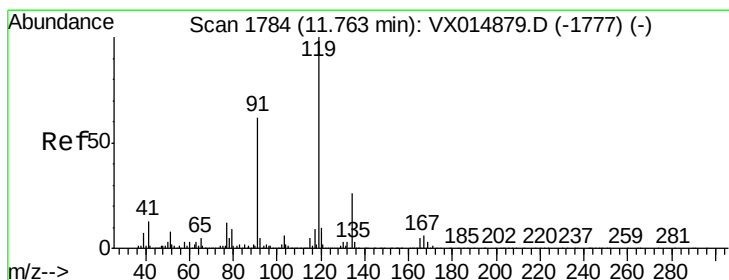
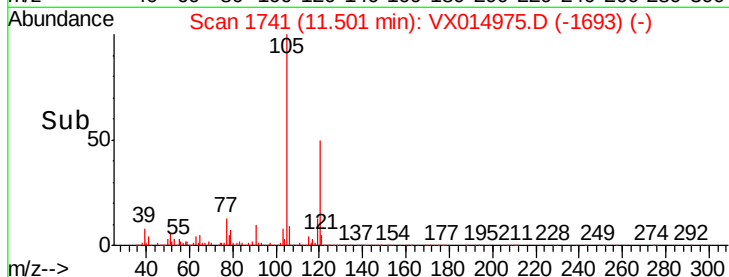
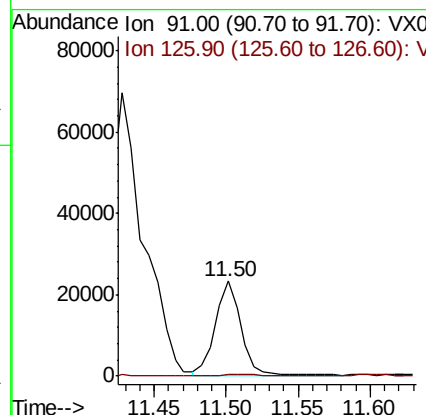
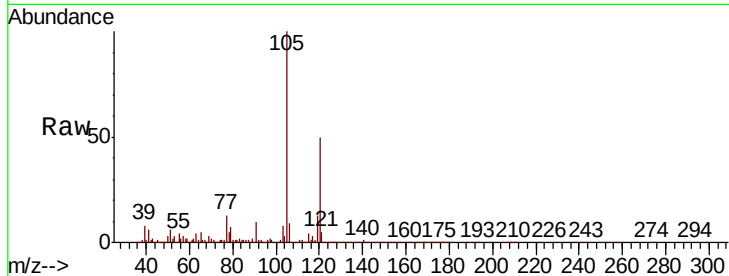




#82
4-Chlorotoluene
Concen: 1.508 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

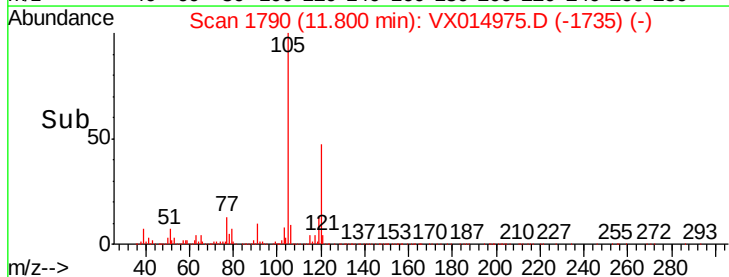
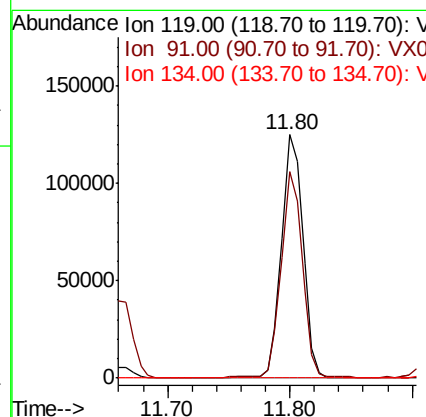
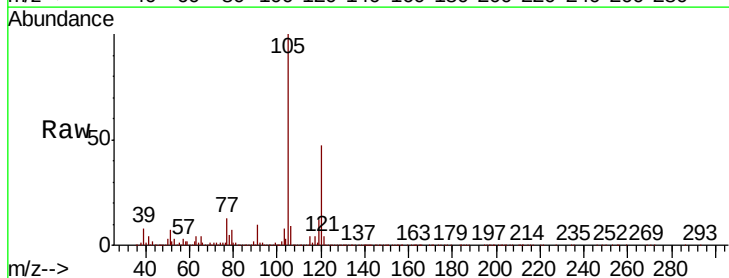
Instrument :
MSVOA_X
ClientSampleId :

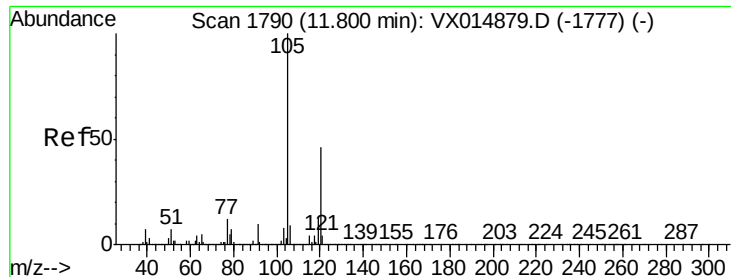
Tot Ion: 91 Resp: 28477
Ion Ratio Lower Upper
91 100
126 2.1 15.7 47.0#



#83
tert-Butylbenzene
Concen: 8.233 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.04 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 119 Resp: 152753
Ion Ratio Lower Upper
119 100
91 83.0 29.5 88.6
134 0.0 12.6 37.6#





#84

1,2,4-Trimethylbenzene

Concen: 62.751 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

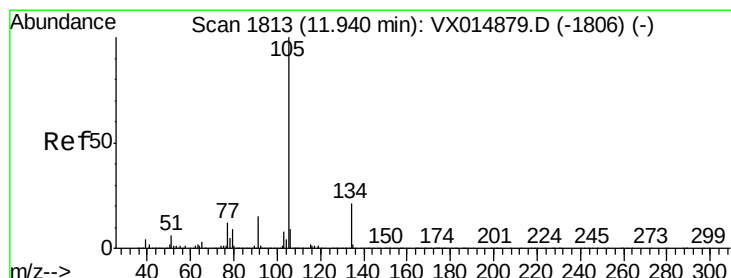
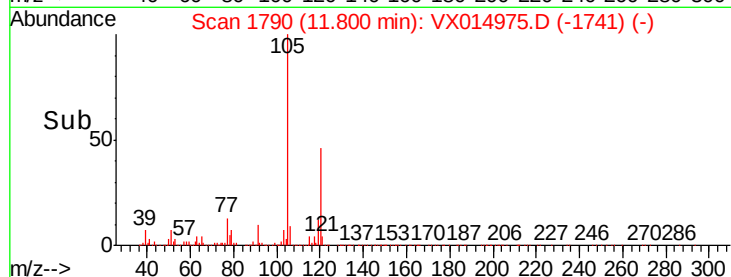
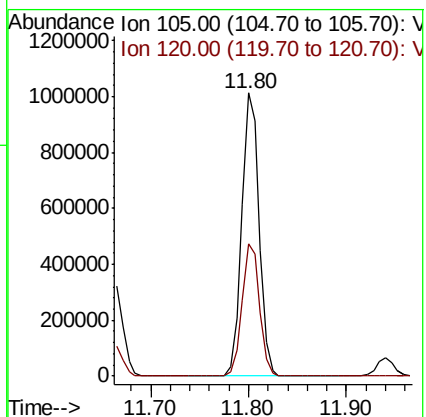
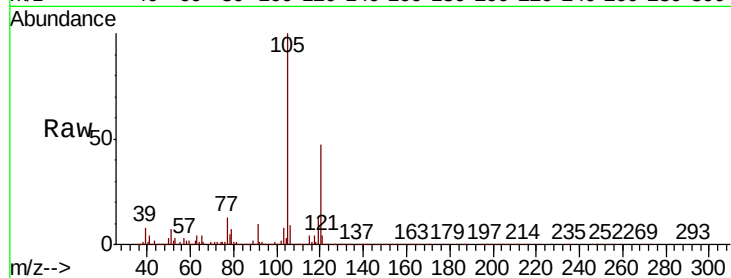
ClientSampleId :

Tot Ion:105 Resp: 1239019

Ion Ratio Lower Upper

105 100

120 47.1 23.0 69.0



#85

sec-Butylbenzene

Concen: 3.394 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014975.D

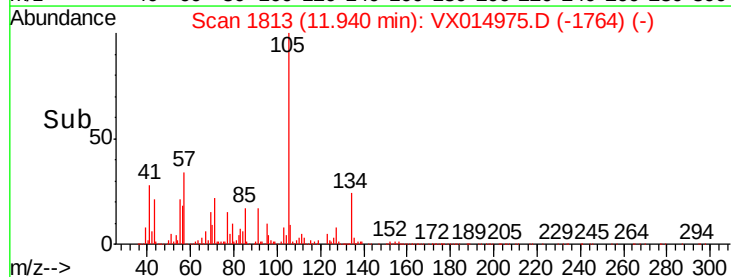
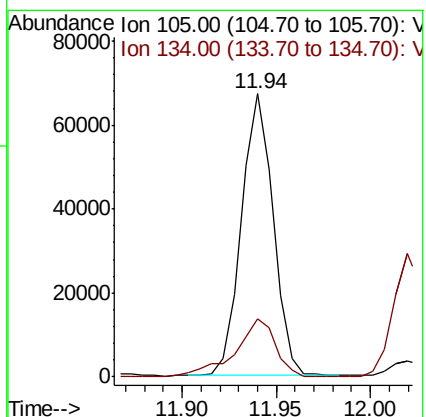
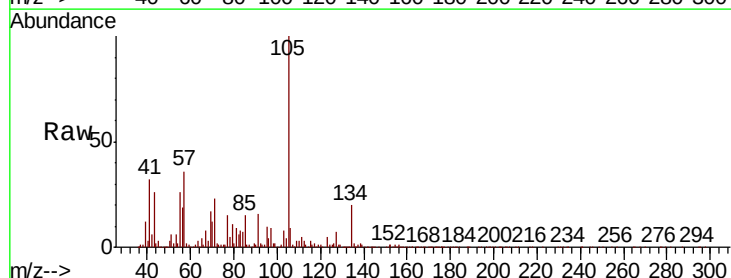
Acq: 20 Feb 2020 13:22

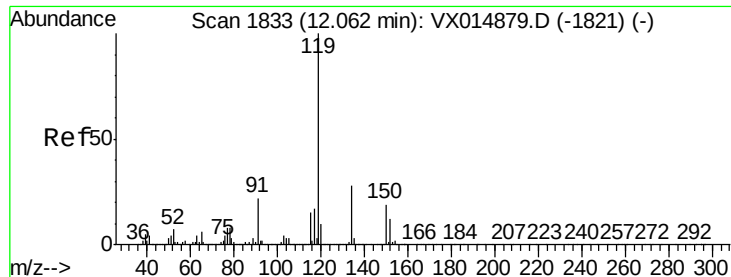
Tgt Ion:105 Resp: 78238

Ion Ratio Lower Upper

105 100

134 26.1 10.6 31.8

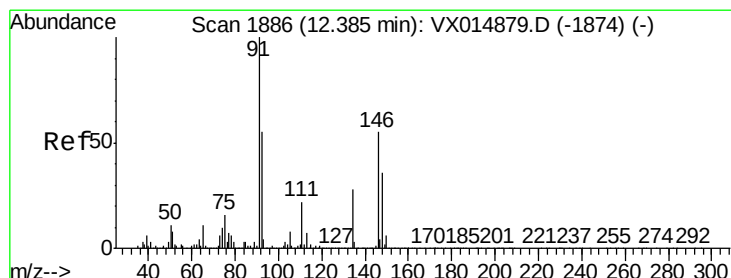
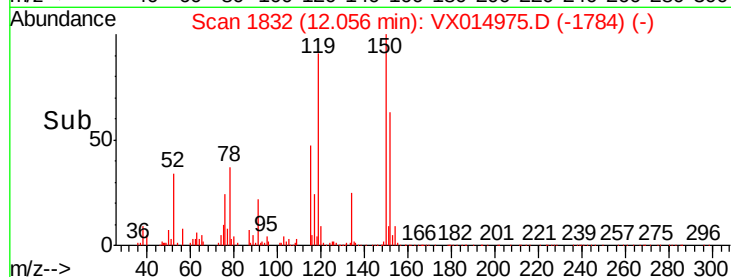
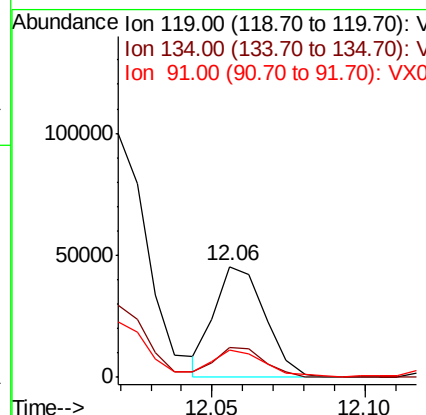
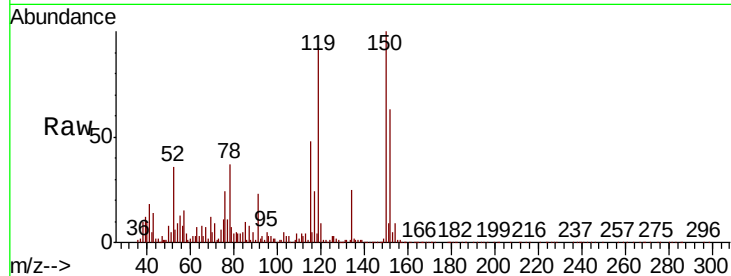




#86
 p-Isopropyltoluene
 Concen: 2.392 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

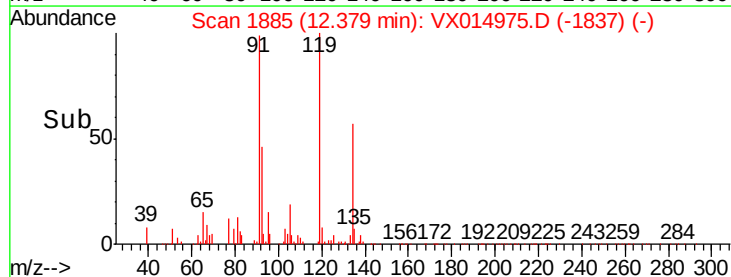
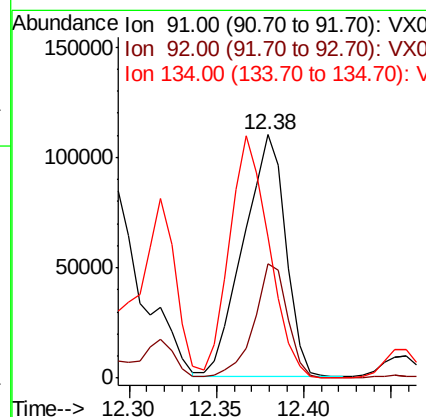
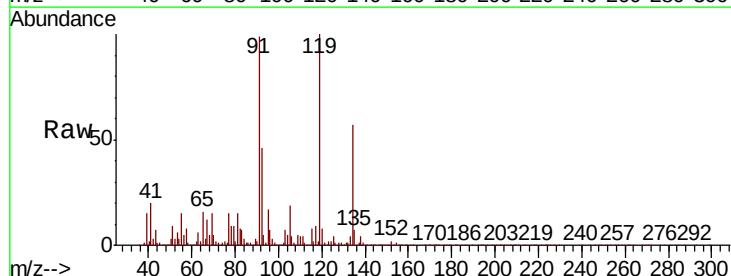
Instrument :
 MSVOA_X
 ClientSampleId :

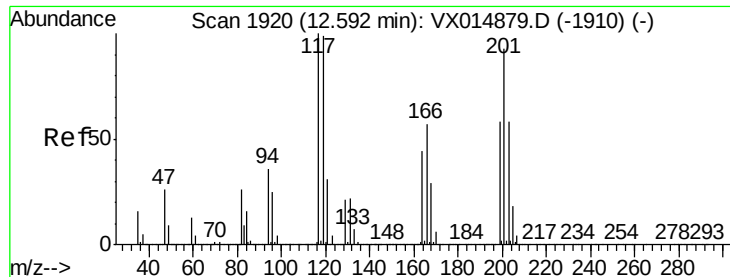
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	25.1	11.4	34.1



#89
 n-Butylbenzene
 Concen: 9.491 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	37.7	27.3	81.8
134	93.5	13.8	41.4





#90

Hexachloroethane

Concen: 5.964 ug/l

RT: 12.60 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

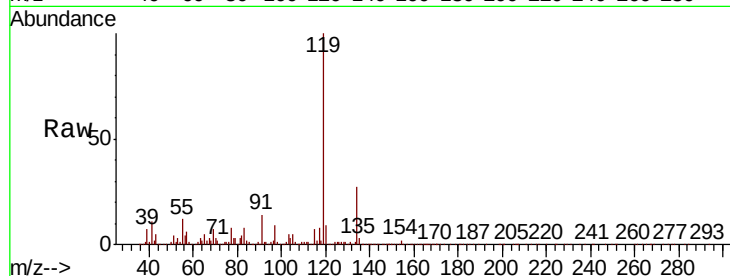
ClientSampleId :

Tot Ion:117 Resp: 22463

Ion Ratio Lower Upper

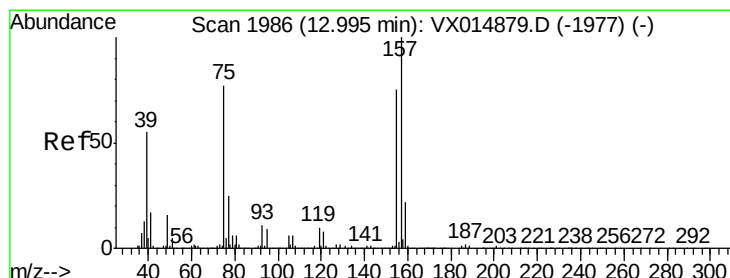
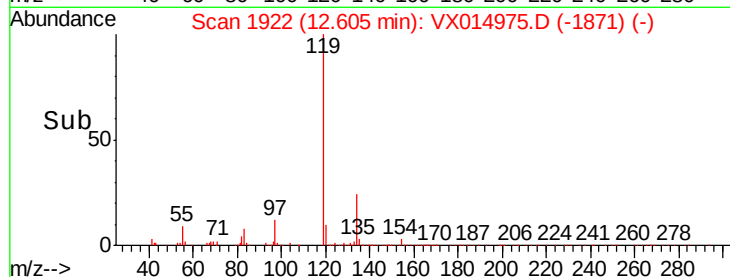
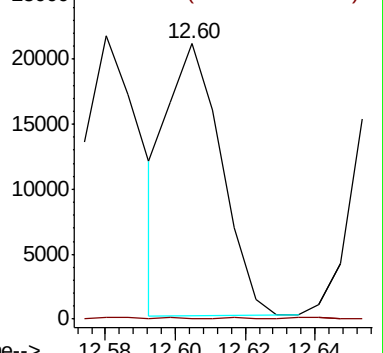
117 100

201 0.0 44.8 134.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.797 ug/l

RT: 12.97 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

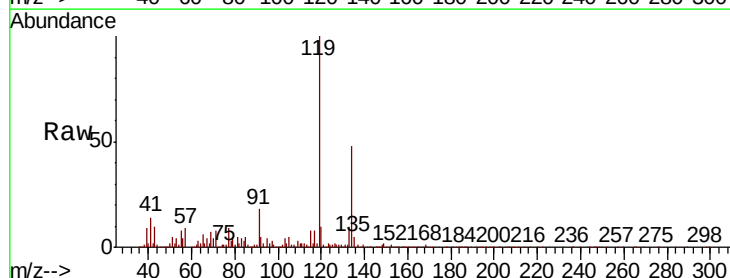
Tgt Ion: 75 Resp: 1434

Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.9#

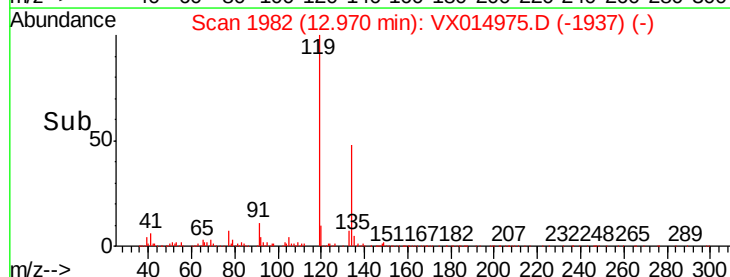
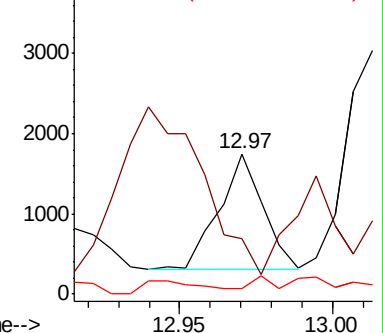
157 4.6 62.0 186.0#

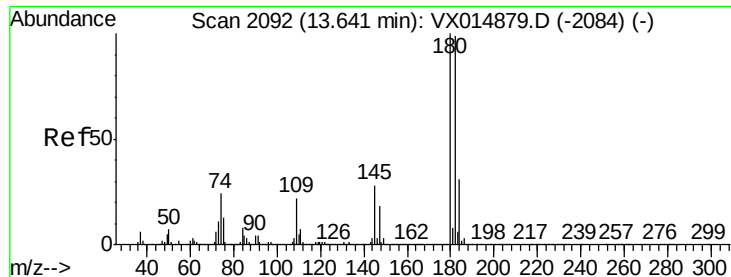


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

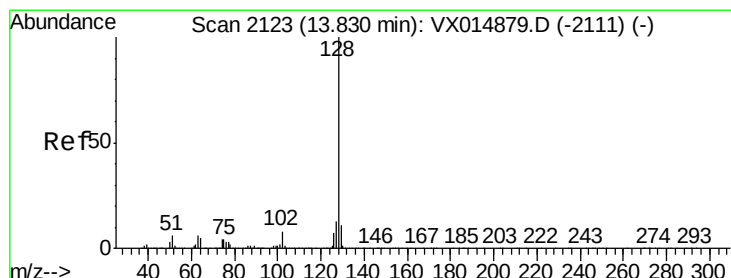
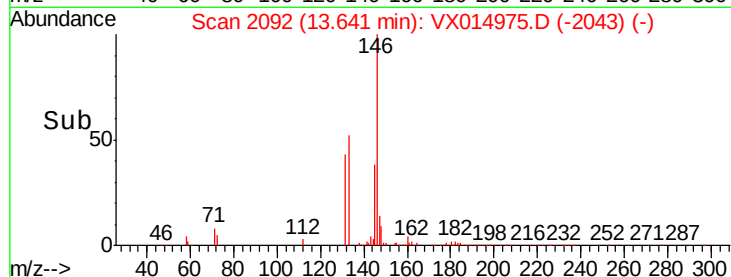
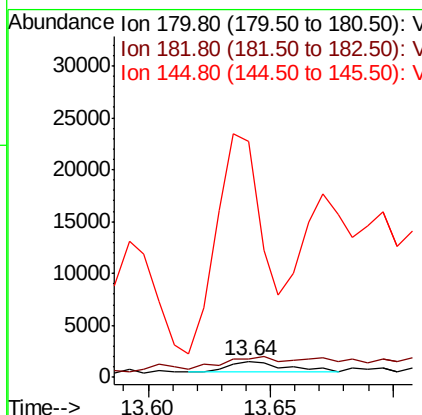
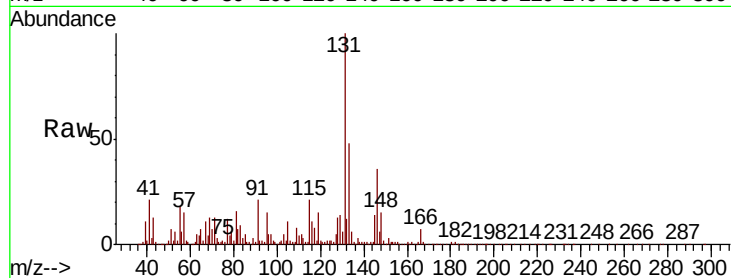




#93
 1,2,4-Trichlorobenzene
 Concen: 0.209 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

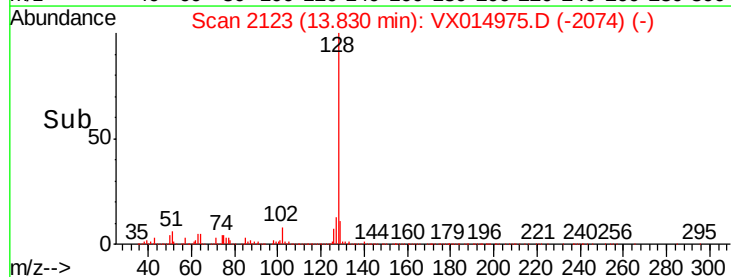
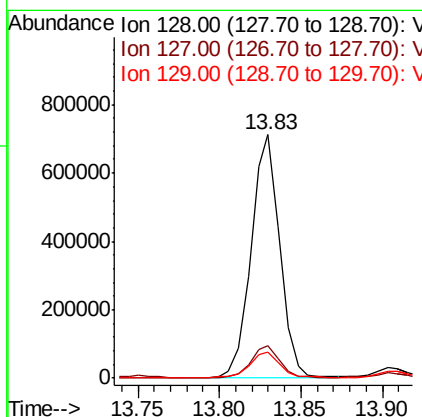
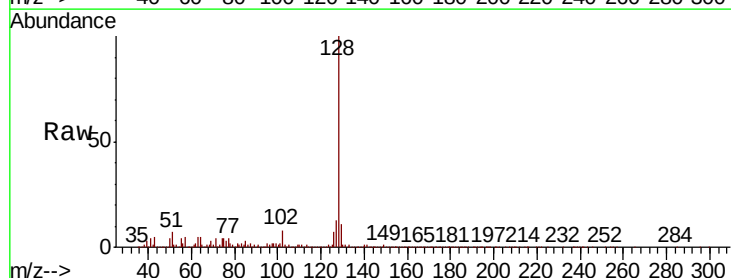
Instrument :
 MSVOA_X
 ClientSampleId :

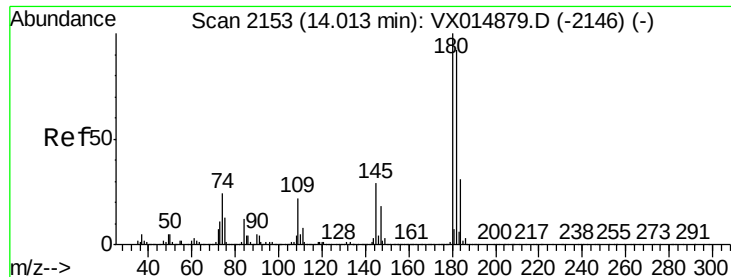
Tot Ion:180 Resp: 1776
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.4 145.3
 145 1555.1 14.1 42.4#



#95
 Naphthalene
 Concen: 38.406 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

Tgt Ion:128 Resp: 867856
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 11.6 8.6 13.0

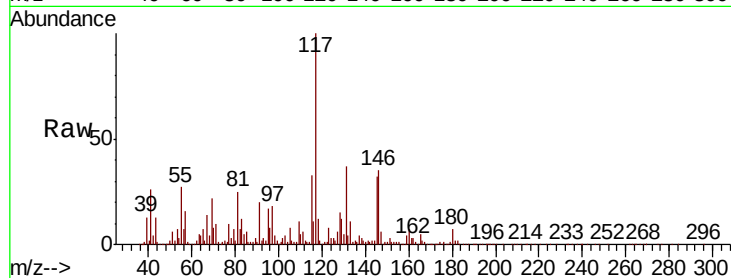




#96
 1,2,3-Trichlorobenzene
 Concen: 1.082 ug/l
 RT: 14.03 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	22.2	47.5	142.6#
145	498.2	14.5	43.5#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

