

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010620\
 Data File : VX014437.D
 Acq On : 06 Jan 2020 19:02
 Operator : JC/SP
 Sample : K6476-01MEDL 10X
 Misc : 6.95u/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 04:43:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	562375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	851671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	771900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	386634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	297019	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.49	113	248638	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	8.71	98	1014521	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	365068	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

						Qvalue
5) Bromomethane	1.63	94	2182	0.432	ug/l #	59
6) Chloroethane	1.60	64	5072	1.153	ug/l #	72
10) Methyl Iodide	2.50	142	2950	3.019	ug/l #	92
11) Tert butyl alcohol	3.01	59	6387	4.638	ug/l	97
13) Acrolein	2.27	56	161	0.204	ug/l #	1
16) Acetone	2.44	43	17889	4.323	ug/l	97
17) Carbon Disulfide	2.56	76	2935	0.943	ug/l #	60
18) Methyl Acetate	2.78	43	2502	0.305	ug/l #	83
20) Methylene Chloride	2.84	84	1931	0.296	ug/l #	93
25) 2-Butanone	4.67	43	7262	1.423	ug/l #	89
28) Bromochloromethane	5.00	49	432	0.558	ug/l #	11
29) Tetrahydrofuran	5.14	42	742	0.260	ug/l #	1
31) Cyclohexane	5.58	56	10448	1.097	ug/l #	92
36) 1,1-Dichloropropene	5.65	75	37557	4.806	ug/l #	50
38) Carbon Tetrachloride	5.65	117	49497	6.953	ug/l #	16
39) Methylcyclohexane	7.46	83	41935	4.346	ug/l	98
40) Benzene	6.14	78	20687	0.860	ug/l	95
42) 1,2-Dichloroethane	6.18	62	1720	0.211	ug/l	89
48) Methyl methacrylate	7.73	41	1640	0.235	ug/l #	26
49) 1,4-Dioxane	7.72	88	78	0.548	ug/l #	1
52) Toluene	8.78	92	38873	2.558	ug/l	94
55) 1,1,2-Trichloroethane	9.16	97	5269	0.865	ug/l #	17
59) 2-Hexanone	9.67	43	1635	0.226	ug/l	64
64) Tetrachloroethene	9.33	164	2291	0.335	ug/l #	79
65) Chlorobenzene	10.14	112	889622	54.204	ug/l	97
67) Ethyl Benzene	10.25	91	29255	1.037	ug/l	95
68) m/p-Xylenes	10.35	106	46160	4.253	ug/l	100
69) o-Xylene	10.70	106	15819	1.486	ug/l	93
73) Isopropylbenzene	11.01	105	14107	0.518	ug/l	92
74) N-amyl acetate	10.90	43	23314	1.827	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	16723	1.772	ug/l #	26
76) 1,2,3-Trichloropropane	11.13	75	179591	21.396	ug/l #	39
78) n-propylbenzene	11.35	91	43388	1.421	ug/l	97
79) 2-Chlorotoluene	11.43	91	19641	1.058	ug/l #	50

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 ALS Vial : 22 Sample Multiplier: 1

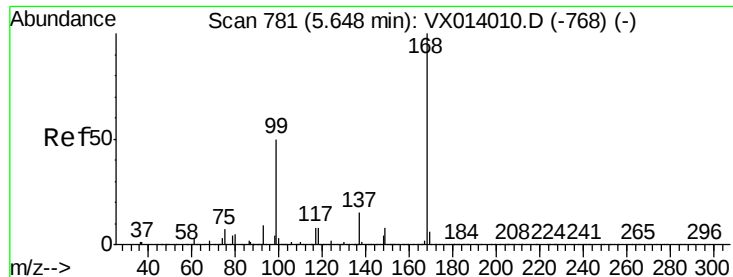
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 04:43:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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 Response via : Initial Calibration

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

80) 1,3,5-Trimethylbenzene	11.50	105	83711	3.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	179591	60.390	ug/l #	13
83) tert-Butylbenzene	11.77	119	5843	0.262	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	176559	7.695	ug/l	99
85) sec-Butylbenzene	11.94	105	27816	1.057	ug/l	99
86) p-Isopropyltoluene	12.06	119	26152	1.086	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	110528	8.420	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	468179	35.077	ug/l	99
89) n-Butylbenzene	12.38	91	50493	2.458	ug/l #	48
90) Hexachloroethane	12.59	117	4167	0.964	ug/l #	6
91) 1,2-Dichlorobenzene	12.39	146	1000915	75.746	ug/l	100
93) 1,2,4-Trichlorobenzene	13.64	180	53886	6.274	ug/l	93
94) Hexachlorobutadiene	13.78	225	943	0.228	ug/l	74
95) Naphthalene	13.83	128	164889	6.534	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	12620	1.489	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

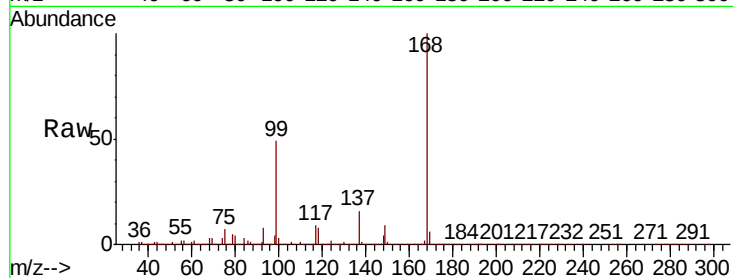
ClientSampleId :

Tot Ion:168 Resp: 562375

Ion Ratio Lower Upper

168 100

99 48.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

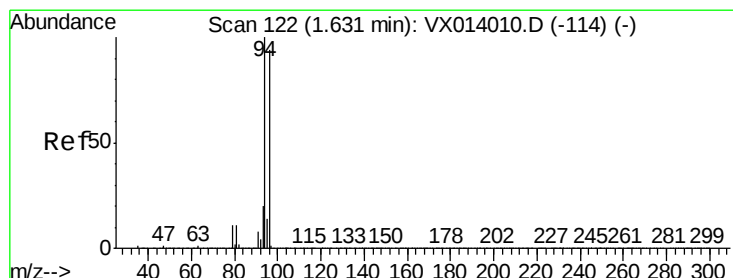
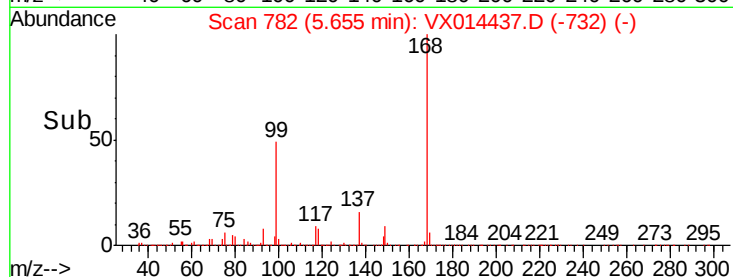
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.432 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014437.D

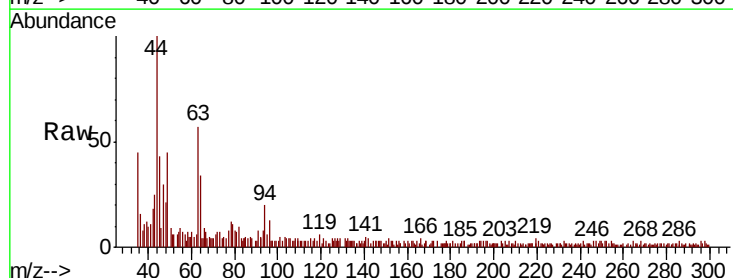
Acq: 06 Jan 2020 19:02

Tgt Ion: 94 Resp: 2182

Ion Ratio Lower Upper

94 100

96 54.7 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

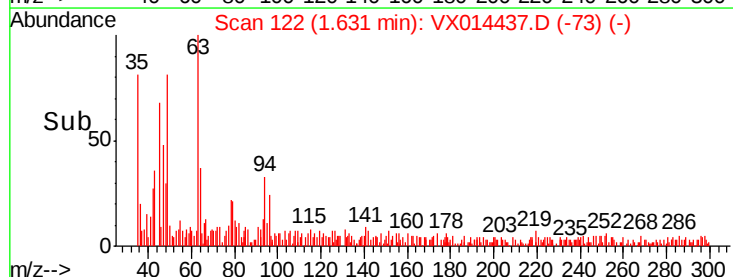
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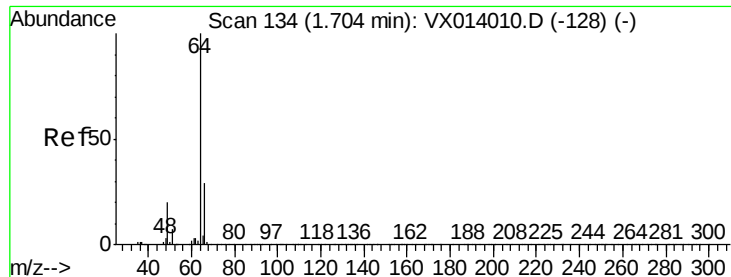
1000

500

0

Time-->





#6

Chloroethane

Concen: 1.153 ug/l

RT: 1.60 min Scan# 117

Delta R.T. -0.10 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

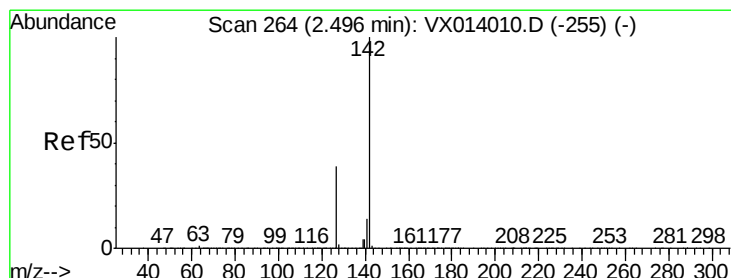
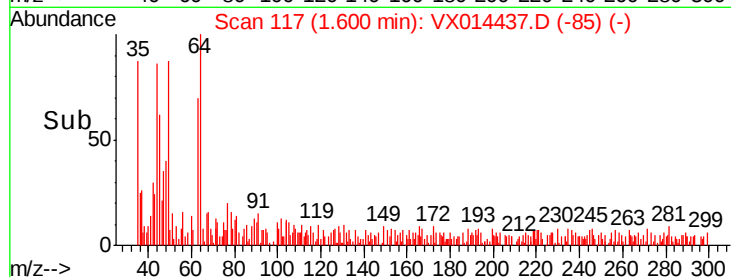
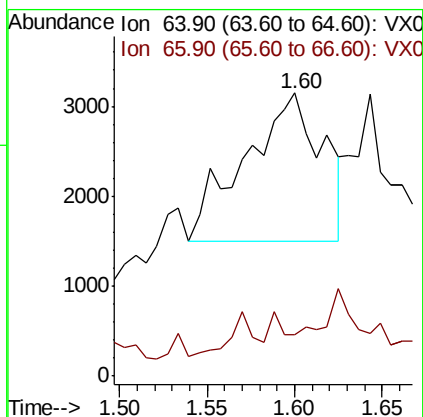
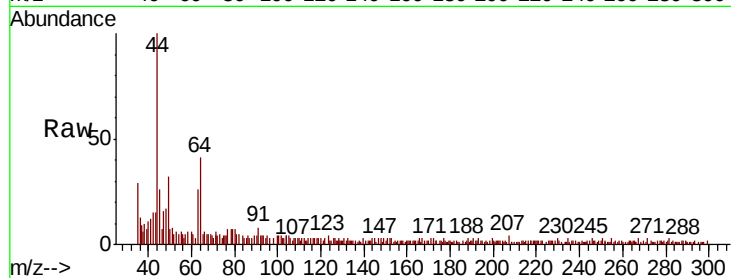
ClientSampleId :

Tot Ion: 64 Resp: 5072

Ion Ratio Lower Upper

64 100

66 14.0 23.4 35.2#



#10

Methyl Iodide

Concen: 3.019 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

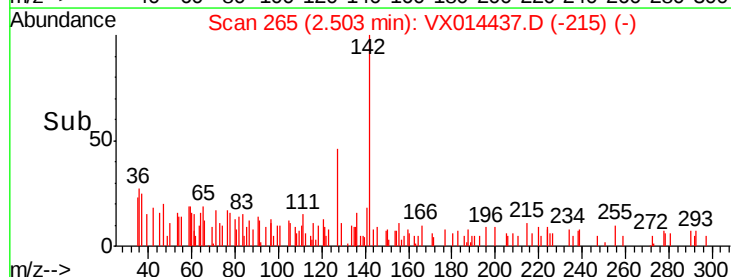
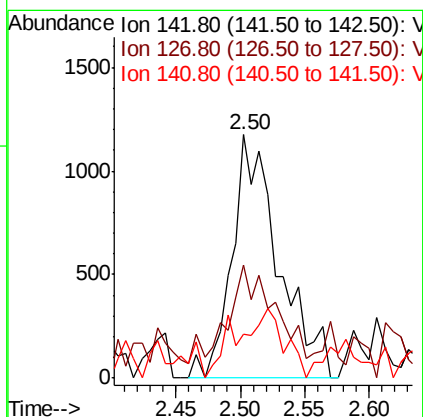
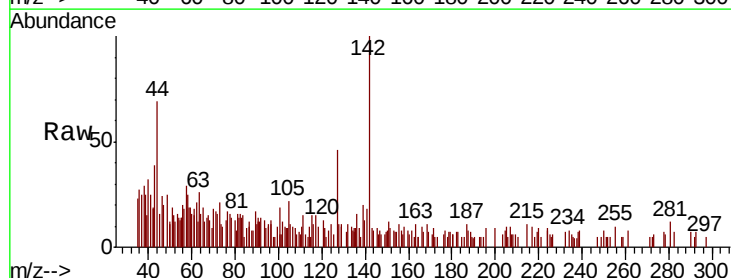
Tgt Ion: 142 Resp: 2950

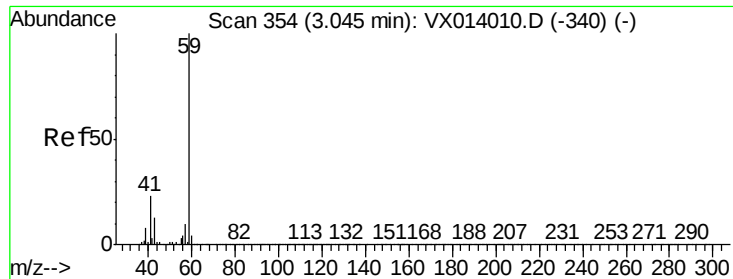
Ion Ratio Lower Upper

142 100

127 42.6 31.6 47.4

141 7.8 11.6 17.4#



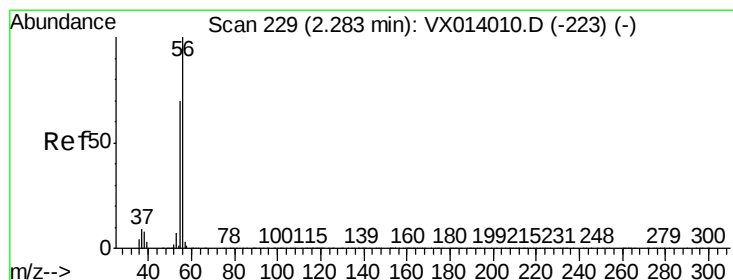
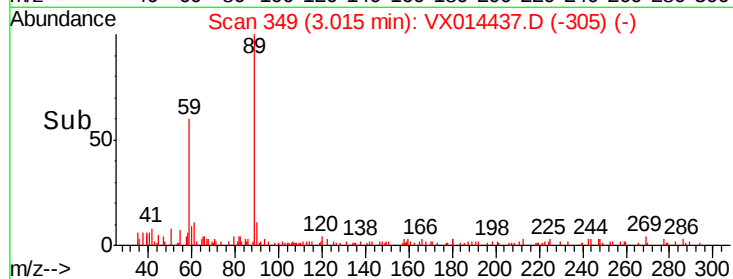
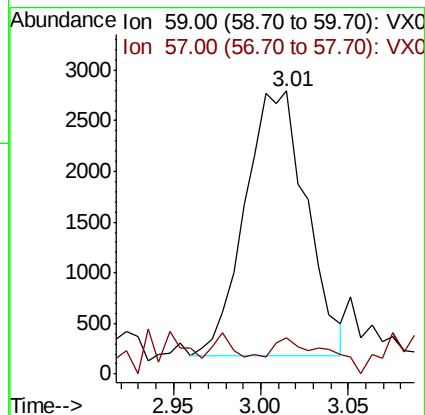
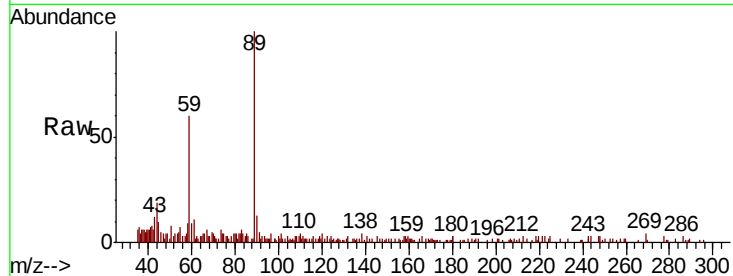


#11

Tert butyl alcohol
Concen: 4.638 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.03 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Instrument :
MSVOA_X
ClientSampleId :

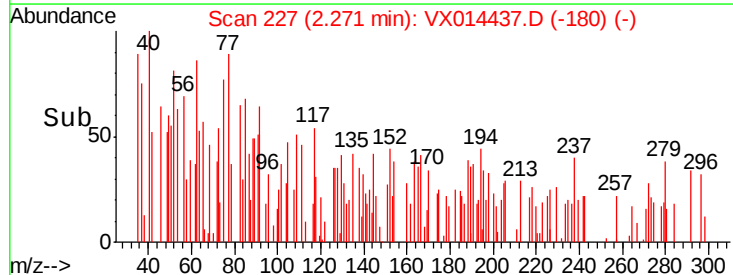
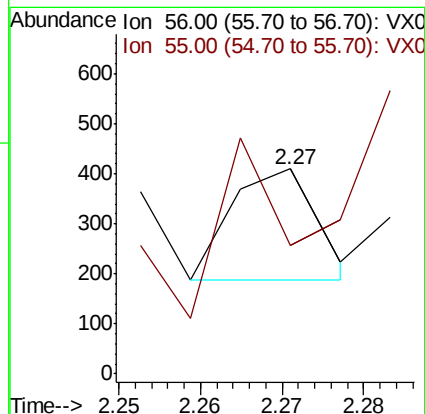
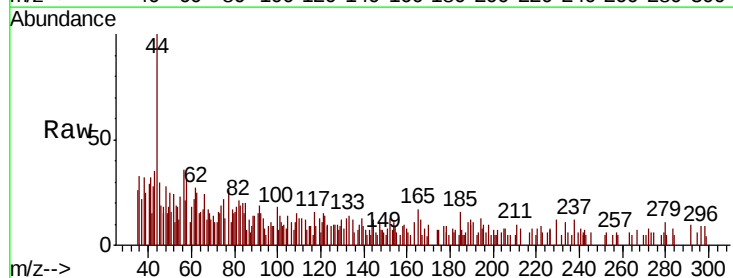
Tot Ion: 59 Resp: 6387
Ion Ratio Lower Upper
59 100
57 11.6 8.4 12.6

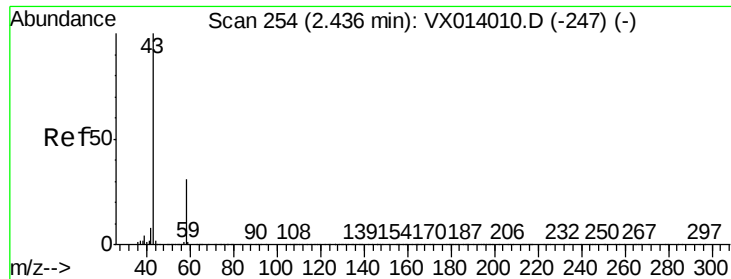


#13

Acrolein
Concen: 0.204 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 494.4 56.9 85.3#

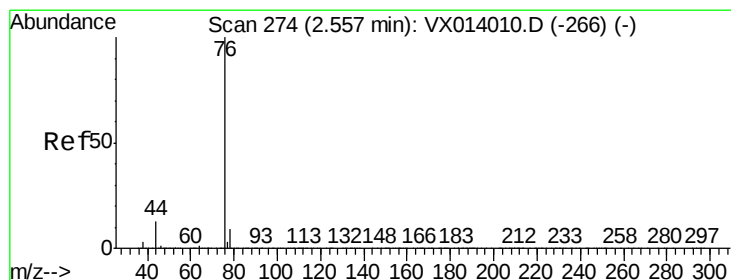
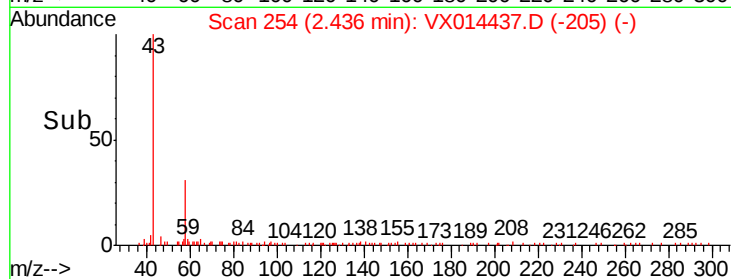
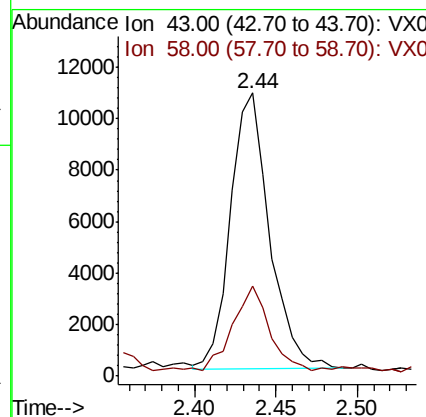
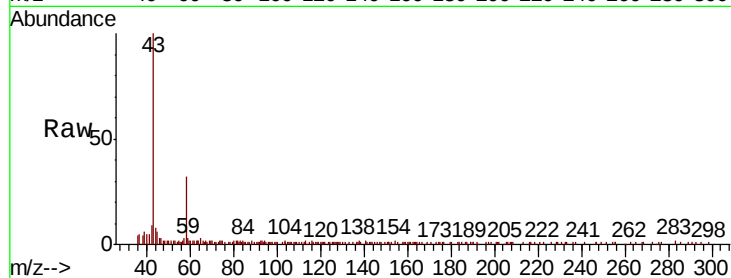




#16
Acetone
Concen: 4.323 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

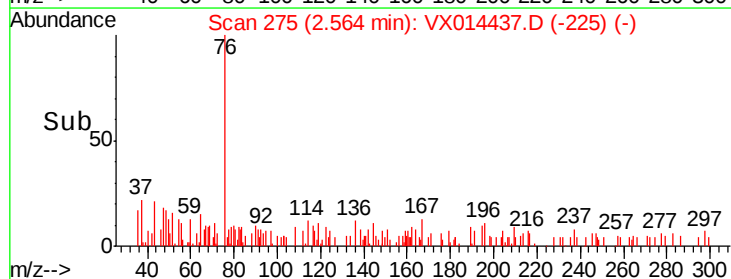
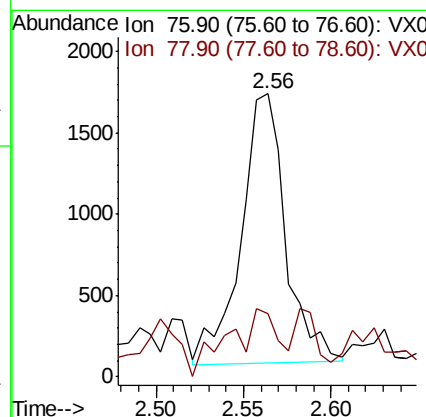
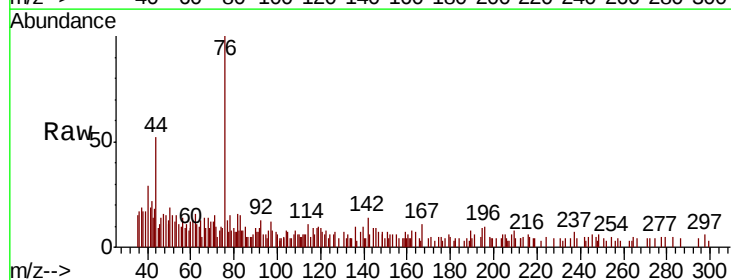
Instrument :
MSVOA_X
ClientSampleId :

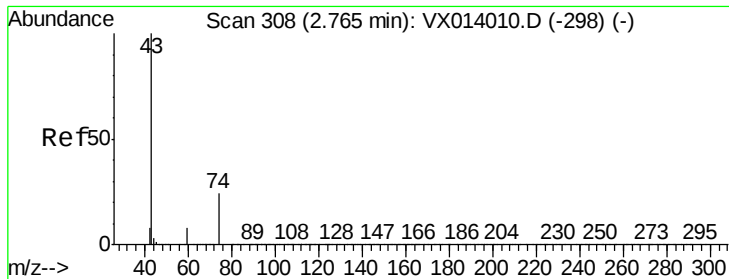
Tot Ion: 43 Resp: 17889
Ion Ratio Lower Upper
43 100
58 29.4 24.9 37.3



#17
Carbon Disulfide
Concen: 0.943 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Tgt Ion: 76 Resp: 2935
Ion Ratio Lower Upper
76 100
78 23.6 7.2 10.8#

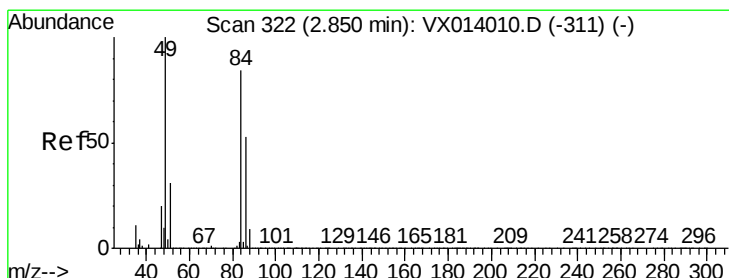
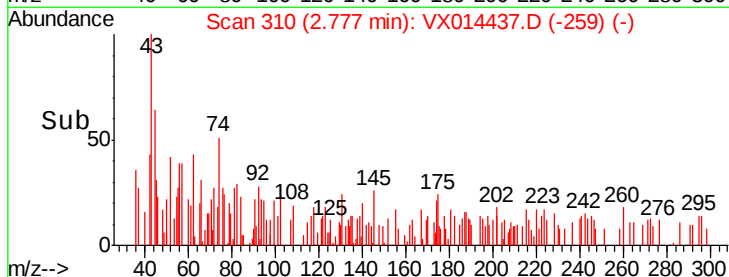
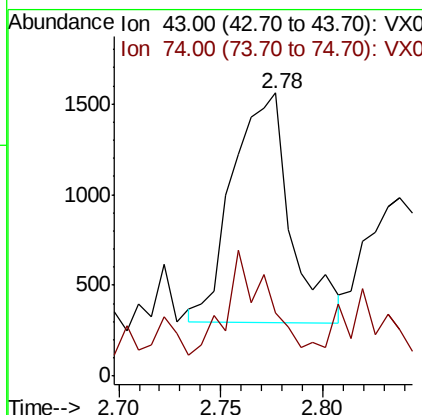
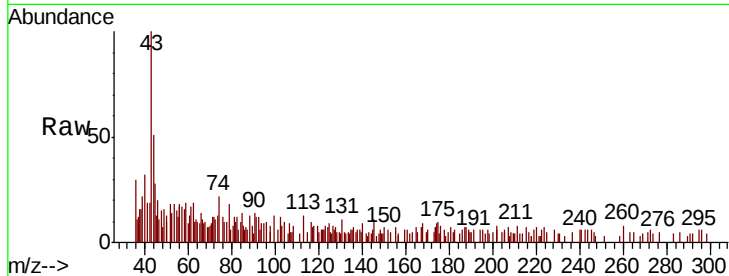




#18
Methyl Acetate
Concen: 0.305 ug/l
RT: 2.78 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

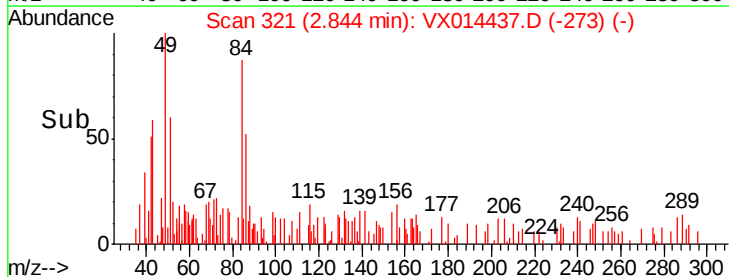
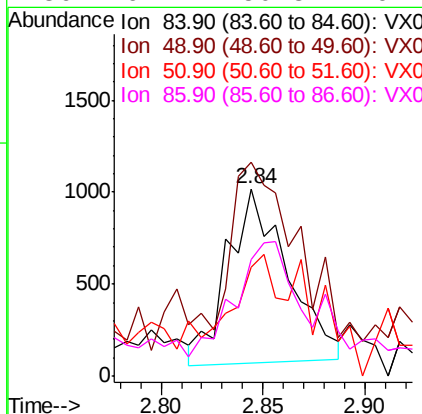
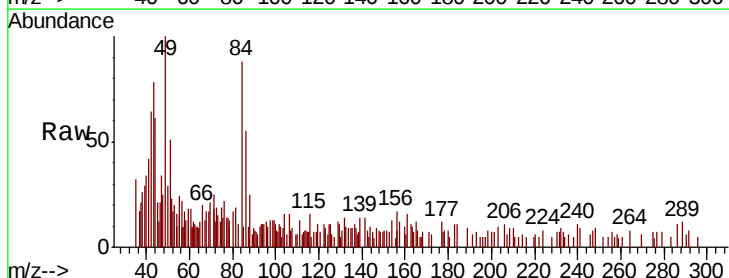
Instrument :
MSVOA_X
ClientSampleId :

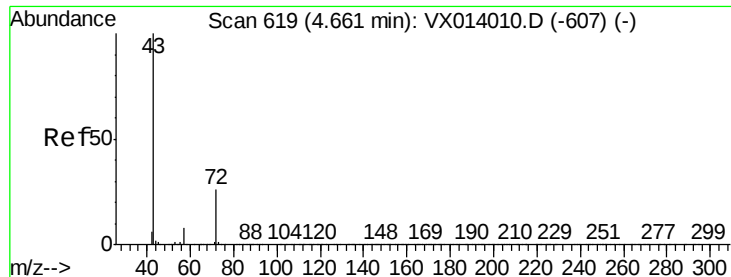
Tot Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
74 32.6 19.5 29.3#



#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Tgt Ion: 84 Resp: 1931
Ion Ratio Lower Upper
84 100
49 112.1 95.8 143.6
51 48.0 29.8 44.8#
86 62.4 50.8 76.2





#25

2-Butanone

Concen: 1.423 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

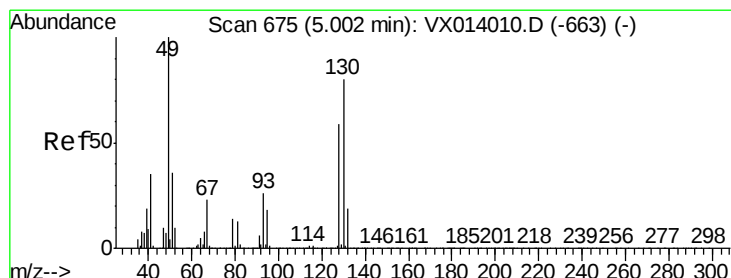
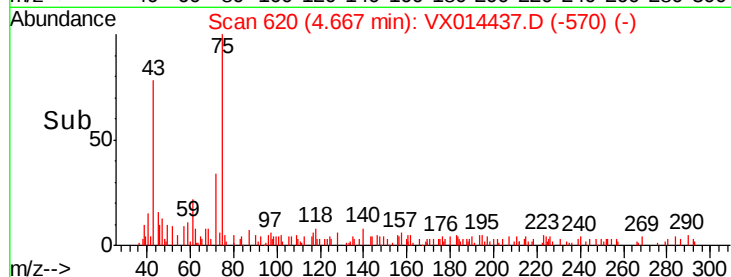
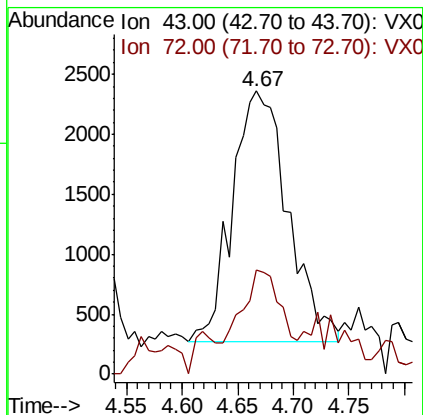
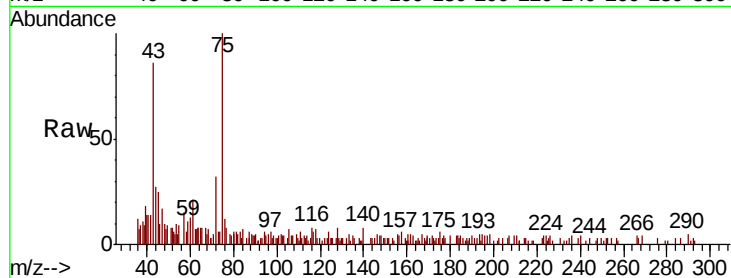
ClientSampled :

Tot Ion: 43 Resp: 7262

Ion Ratio Lower Upper

43 100

72 32.0 21.0 31.4#



#28

Bromochloromethane

Concen: 0.558 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

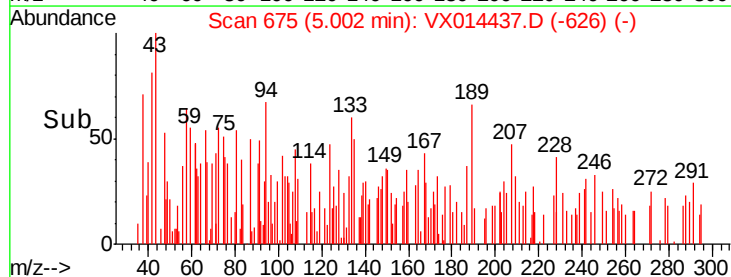
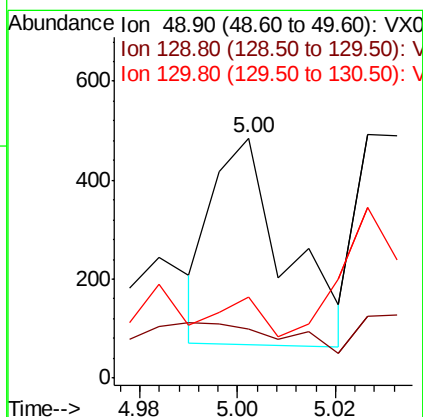
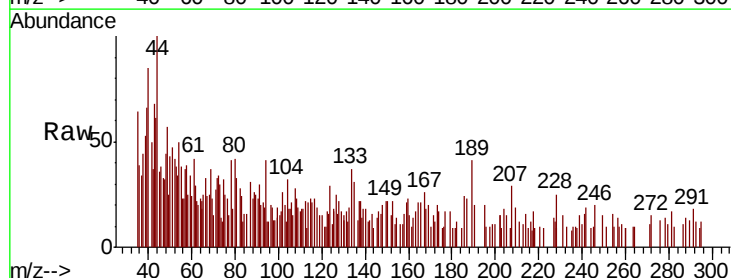
Tgt Ion: 49 Resp: 432

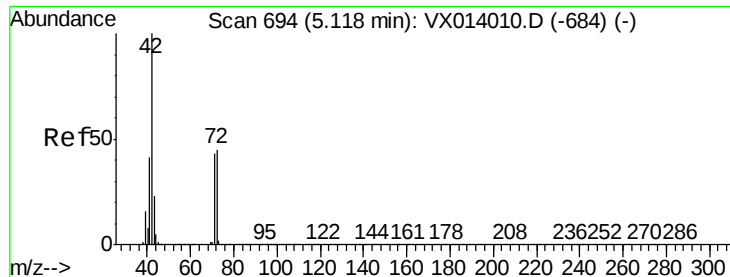
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 0.0 64.6 97.0#





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

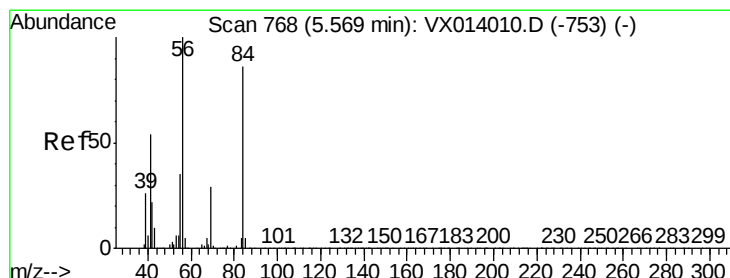
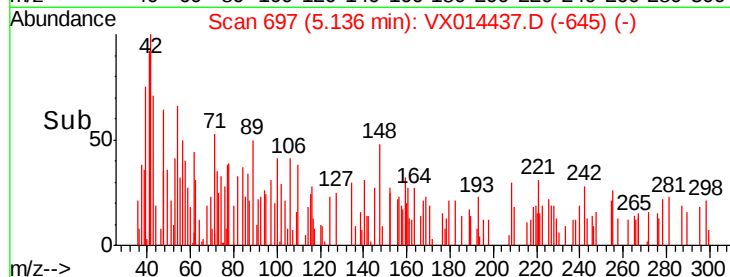
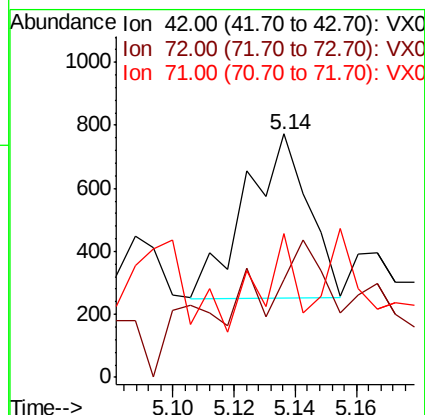
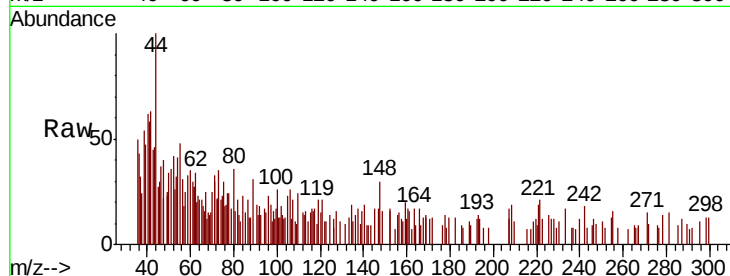
Tot Ion: 42 Resp: 742

Ion Ratio Lower Upper

42 100

72 191.1 35.8 53.8#

71 32.2 33.6 50.4#



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 5.58 min Scan# 770

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

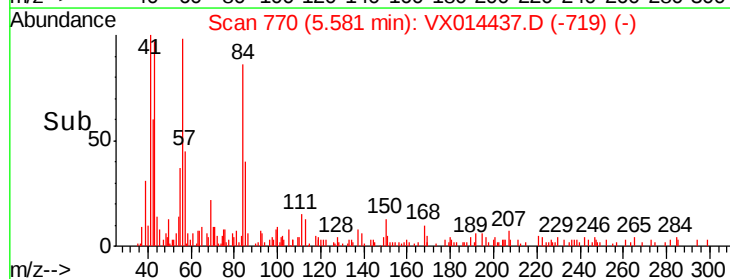
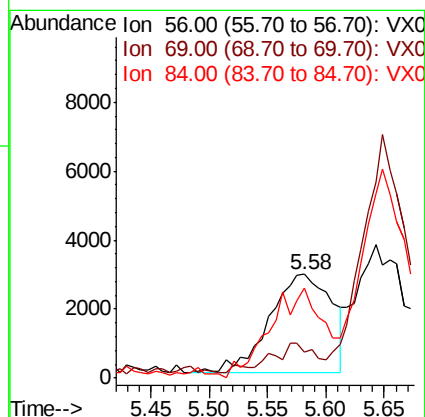
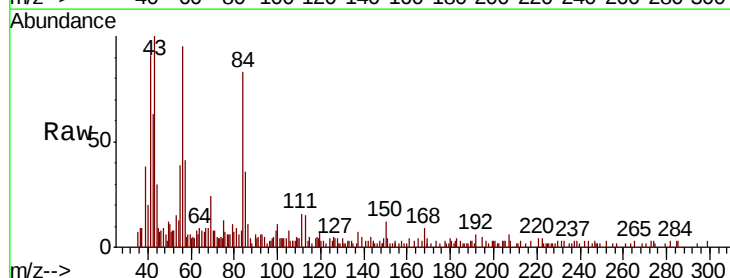
Tgt Ion: 56 Resp: 10448

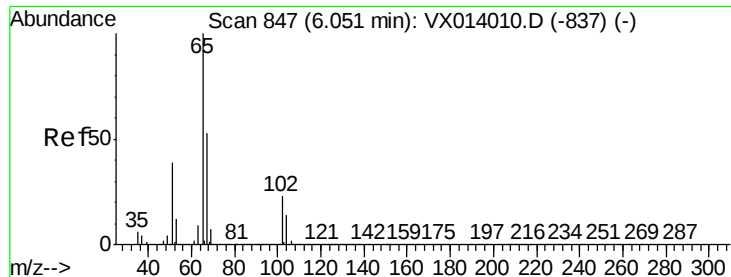
Ion Ratio Lower Upper

56 100

69 13.7 23.2 34.8#

84 85.7 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 46.600 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

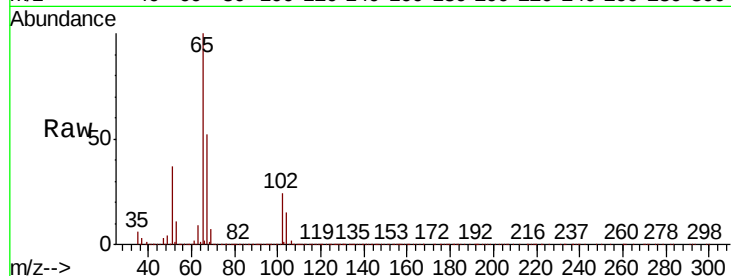
ClientSampleId :

Tot Ion: 65 Resp: 297019

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

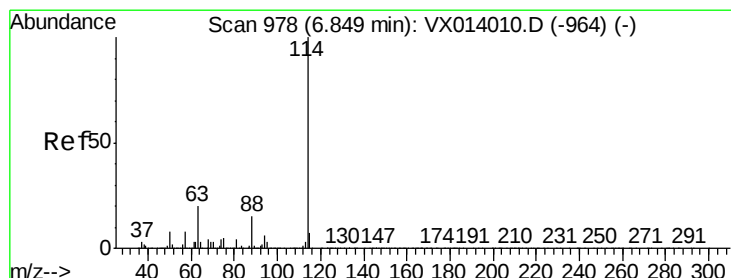
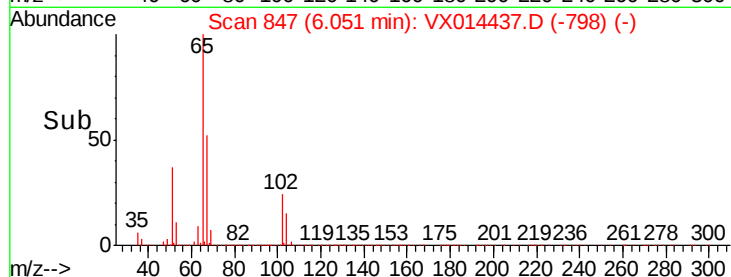
100000

50000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

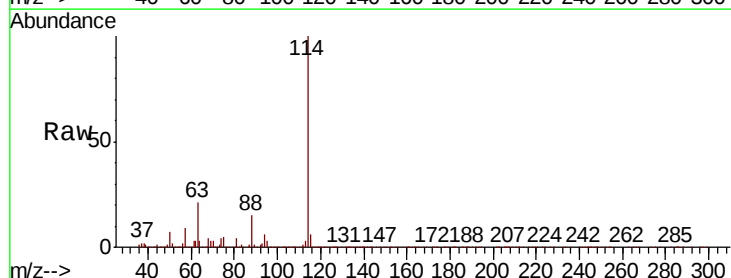
Tgt Ion: 114 Resp: 851671

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.3 0.0 30.4



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

500000

400000

300000

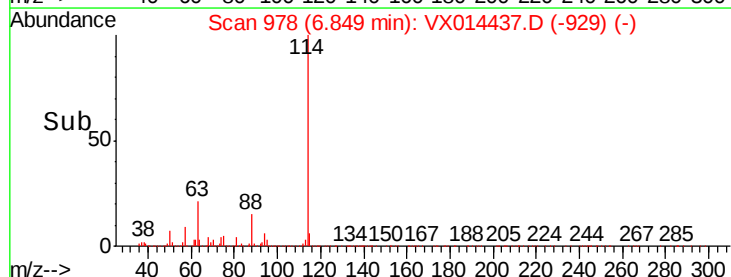
200000

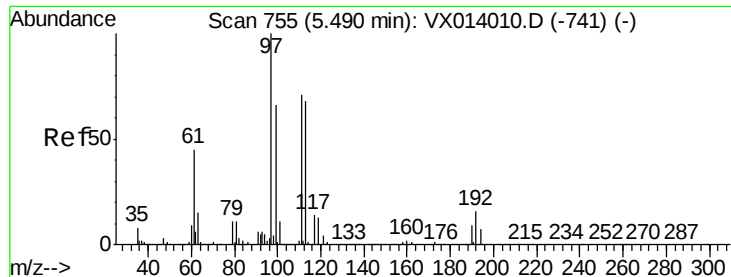
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.025 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :
MSVOA_X
ClientSampleId :

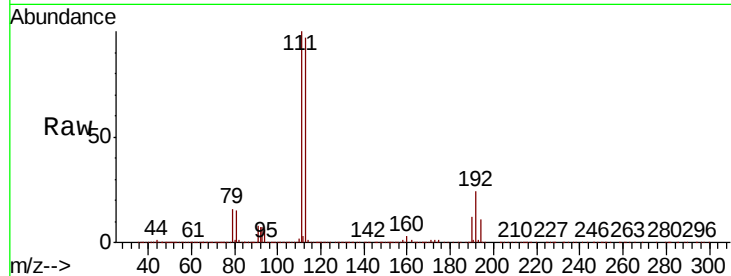
Tot Ion:113 Resp: 248638

Ion Ratio Lower Upper

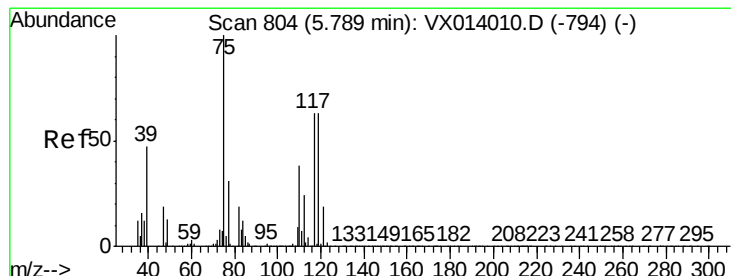
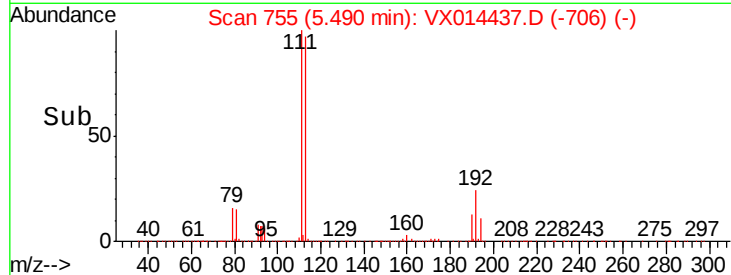
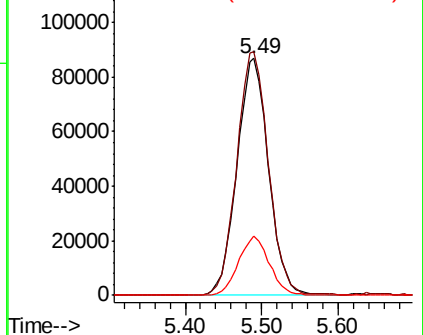
113 100

111 102.9 82.0 123.0

192 24.2 19.3 28.9



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: 4.806 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

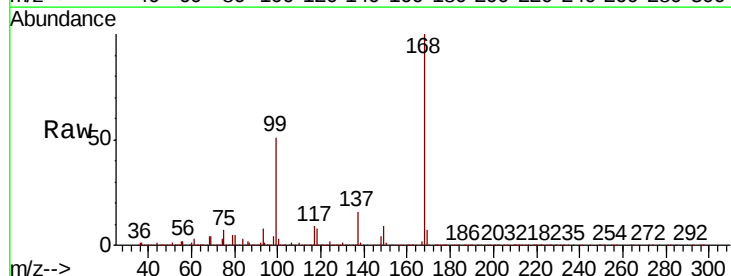
Tgt Ion: 75 Resp: 37557

Ion Ratio Lower Upper

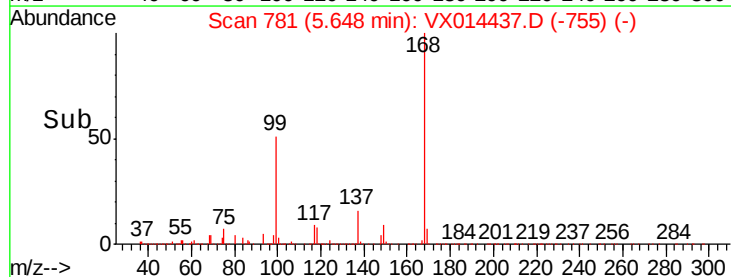
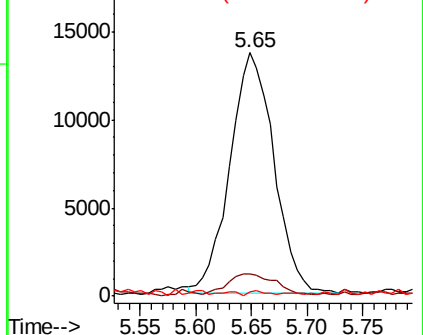
75 100

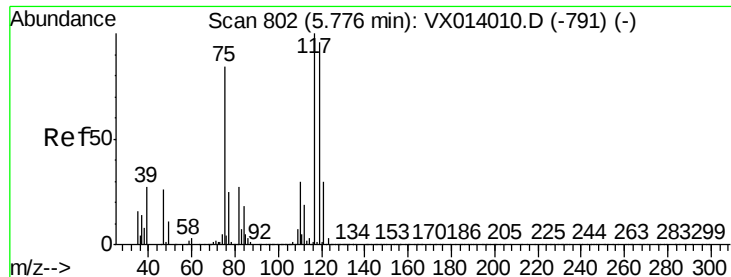
110 9.6 18.3 54.9#

77 0.9 24.8 37.2#



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





#38

Carbon Tetrachloride

Concen: 6.953 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

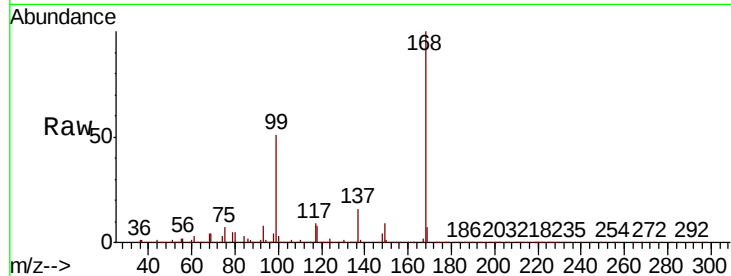
Tot Ion:117 Resp: 49497

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.4#

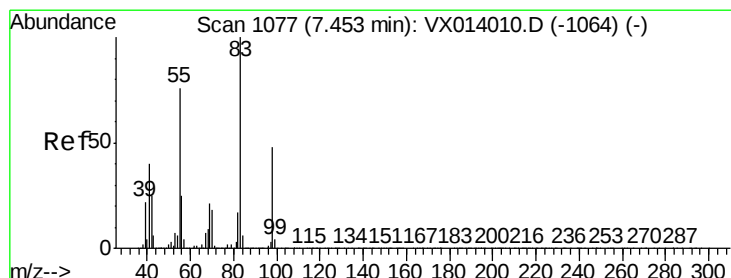
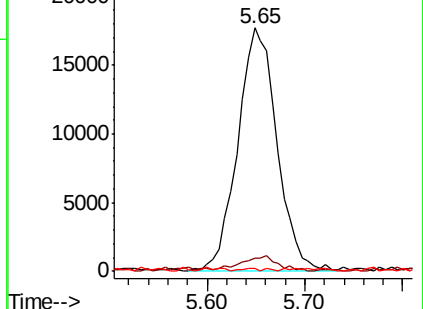
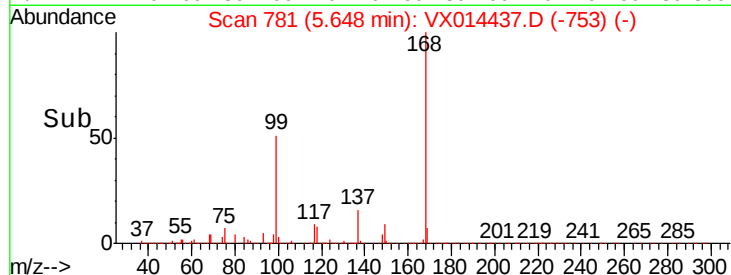
121 0.9 23.6 35.4#



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



#39

Methylcyclohexane

Concen: 4.346 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

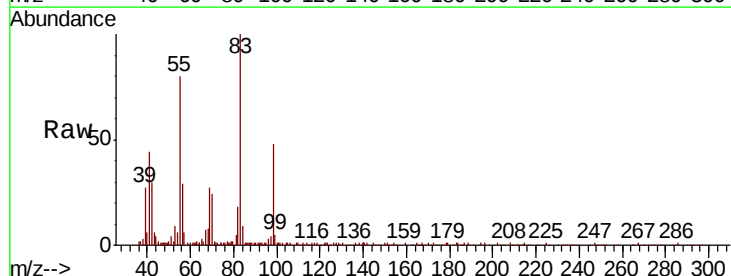
Tgt Ion: 83 Resp: 41935

Ion Ratio Lower Upper

83 100

55 79.1 61.0 91.6

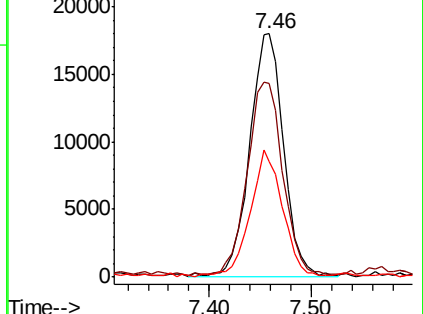
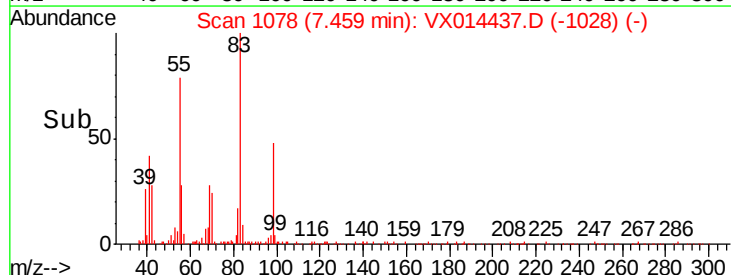
98 47.3 38.6 57.8

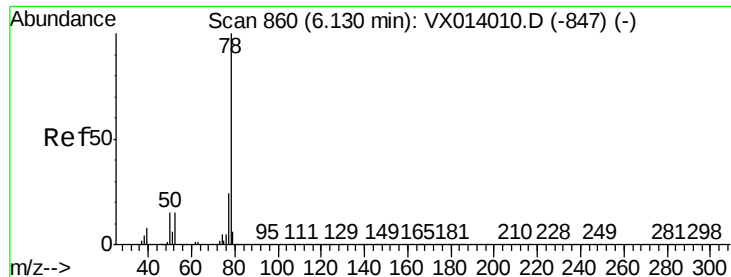


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.860 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

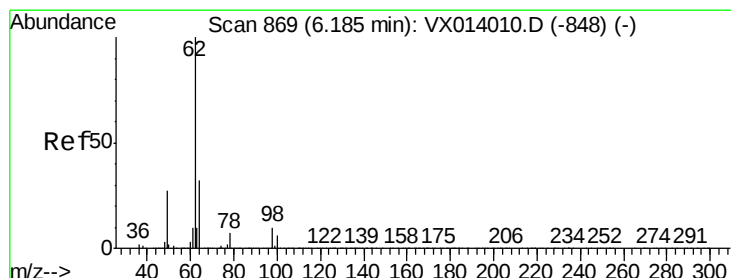
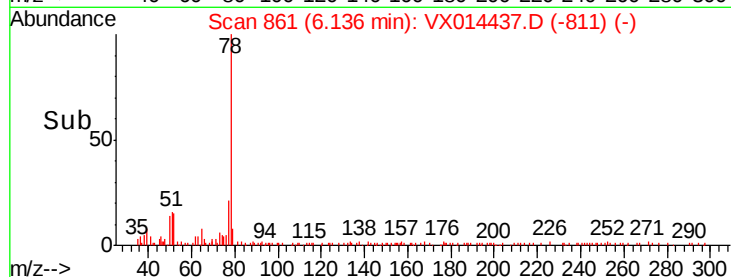
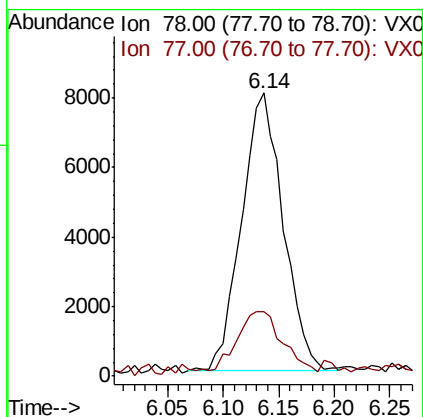
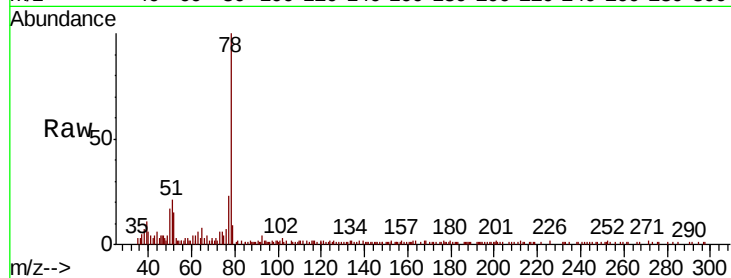
ClientSampled :

Tot Ion: 78 Resp: 20687

Ion Ratio Lower Upper

78 100

77 21.2 18.8 28.2



#42

1,2-Dichloroethane

Concen: 0.211 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX014437.D

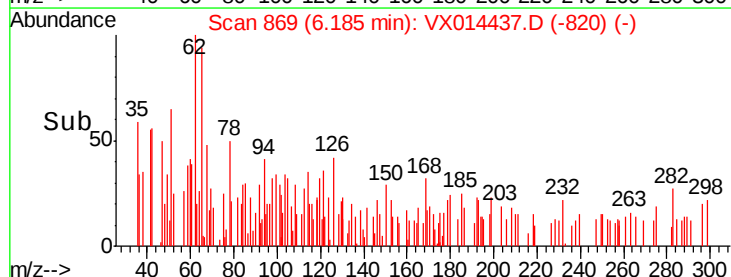
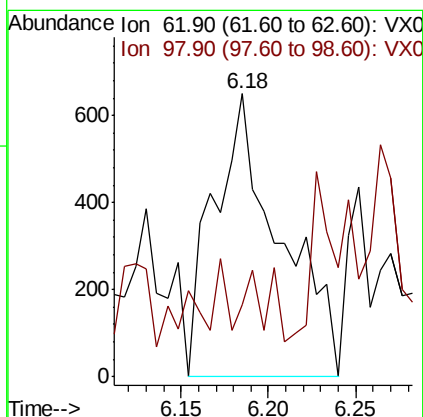
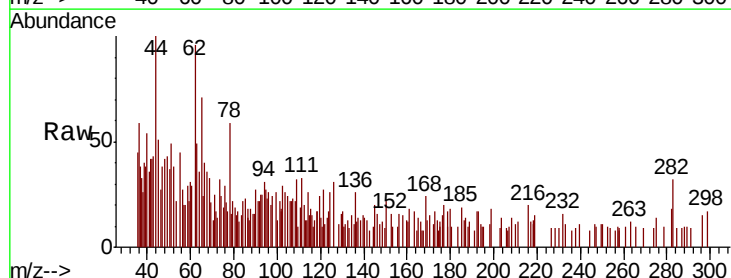
Acq: 06 Jan 2020 19:02

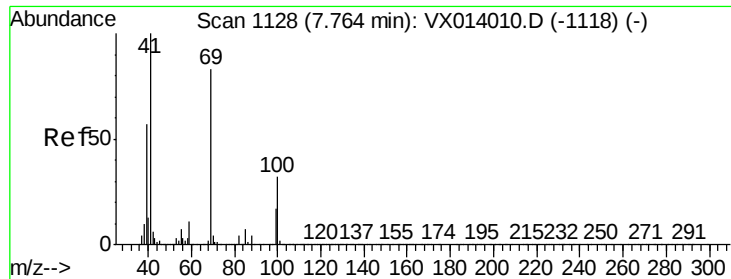
Tgt Ion: 62 Resp: 1720

Ion Ratio Lower Upper

62 100

98 6.3 0.0 21.0





#48

Methyl methacrylate

Concen: 0.235 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.04 min

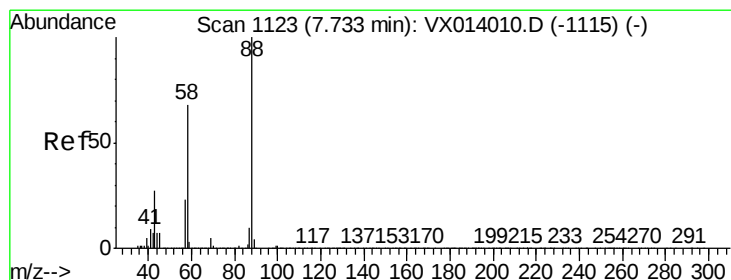
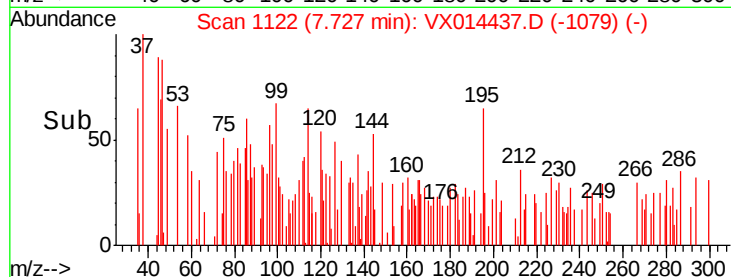
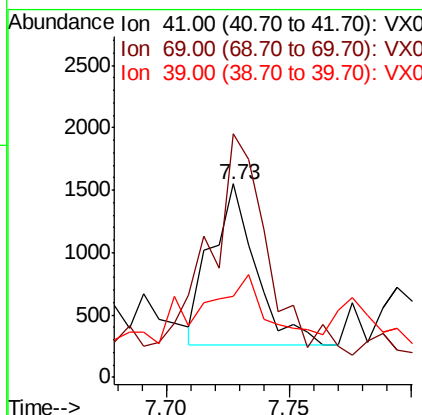
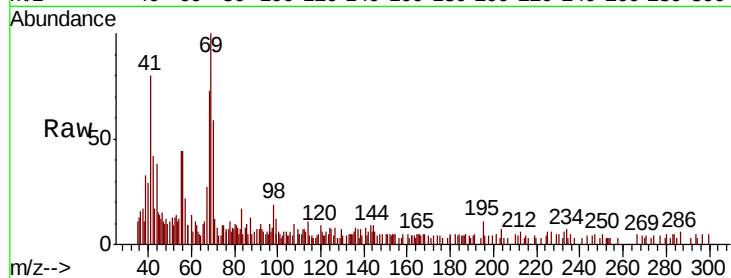
Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 1640

Ion	Ratio	Lower	Upper
41	100		
69	178.5	65.8	98.6#
39	73.3	44.6	67.0#



#49

1,4-Dioxane

Concen: 0.548 ug/l

RT: 7.72 min Scan# 1121

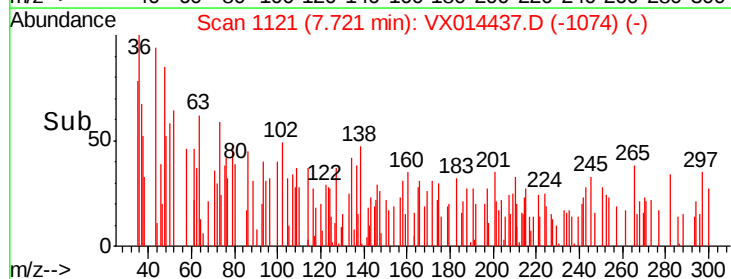
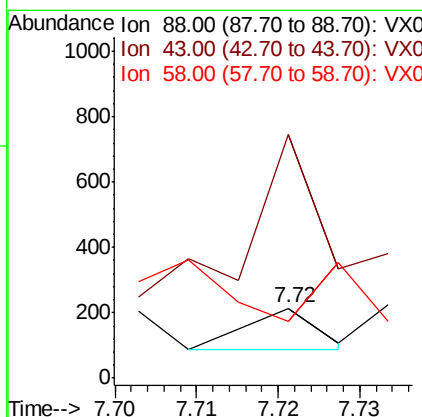
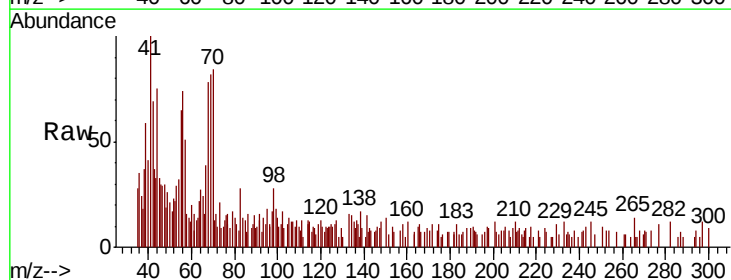
Delta R.T. -0.01 min

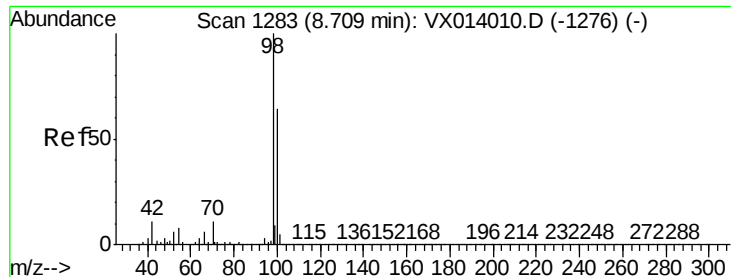
Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Tgt Ion: 88 Resp: 78

Ion	Ratio	Lower	Upper
88	100		
43	414.1	26.5	39.7#
58	606.4	56.8	85.2#





#50

Toluene-d8

Concen: 50.333 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

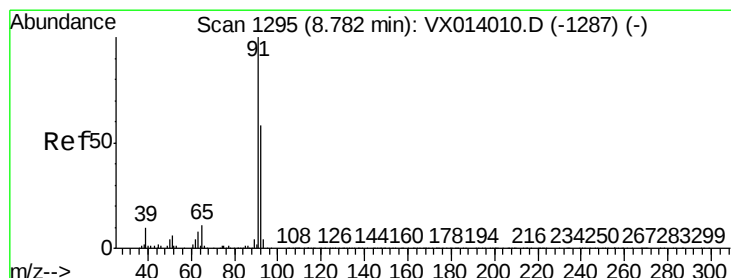
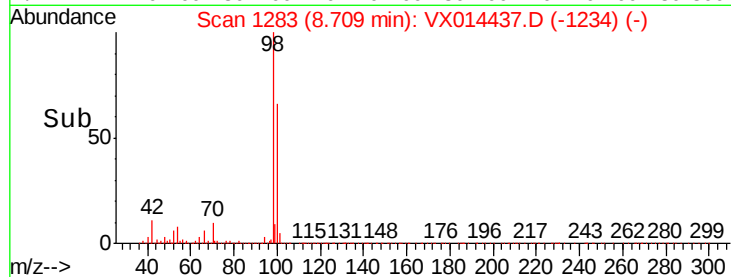
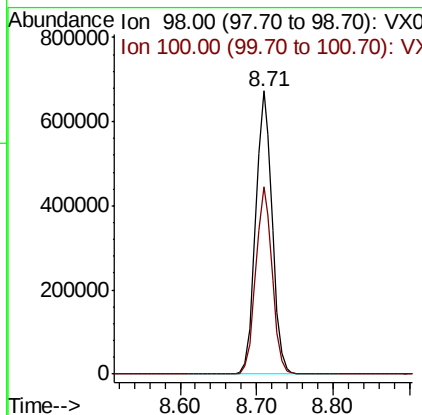
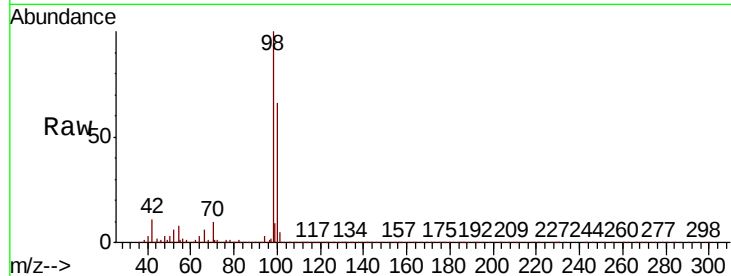
ClientSampleId :

Tot Ion: 98 Resp: 1014521

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#52

Toluene

Concen: 2.558 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014437.D

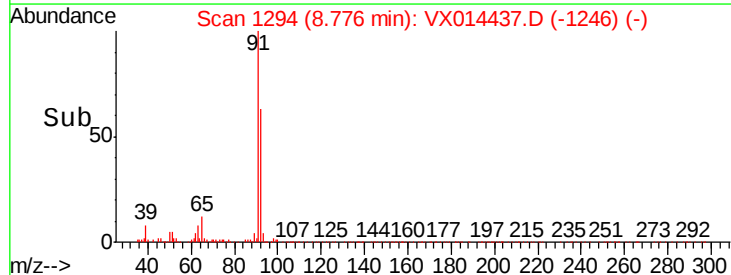
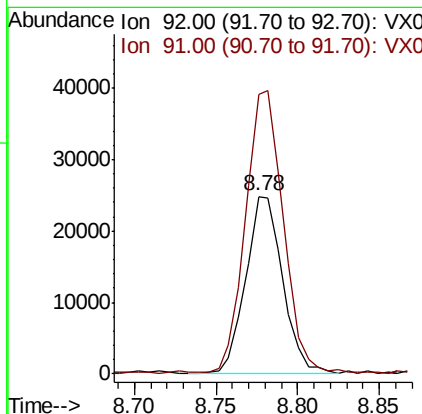
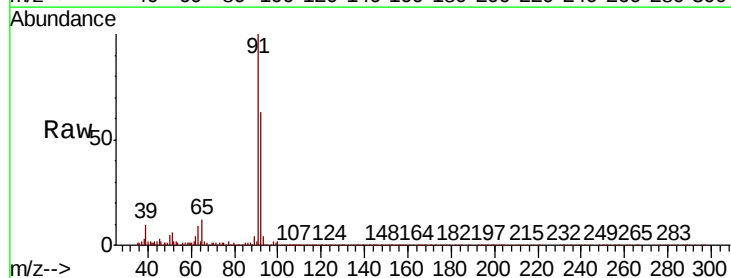
Acq: 06 Jan 2020 19:02

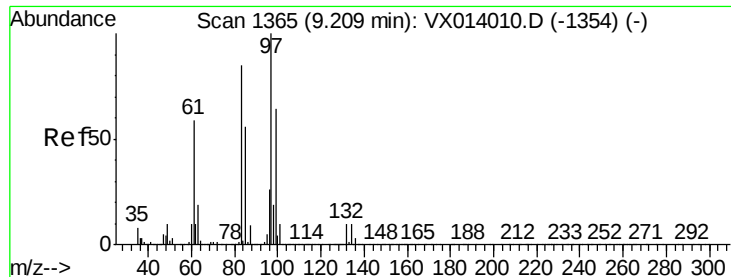
Tgt Ion: 92 Resp: 38873

Ion Ratio Lower Upper

92 100

91 162.7 136.2 204.4

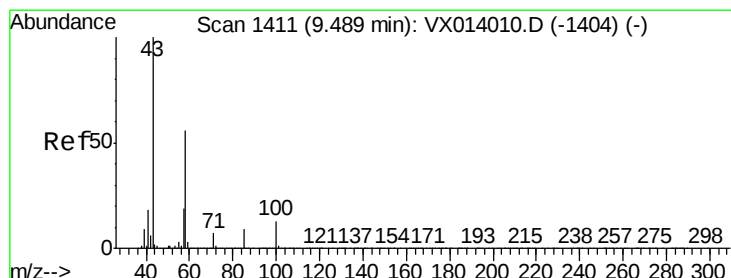
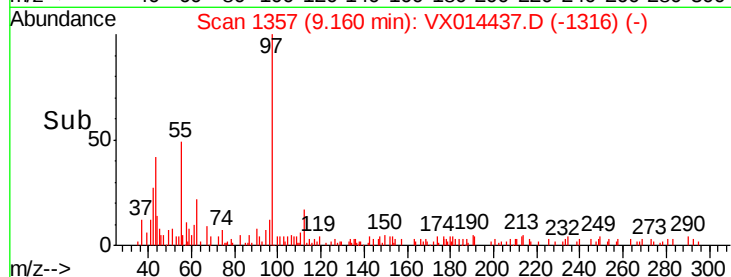
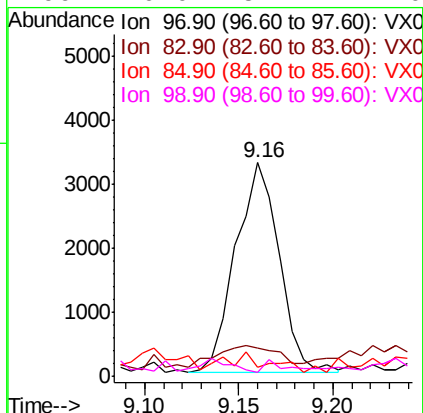
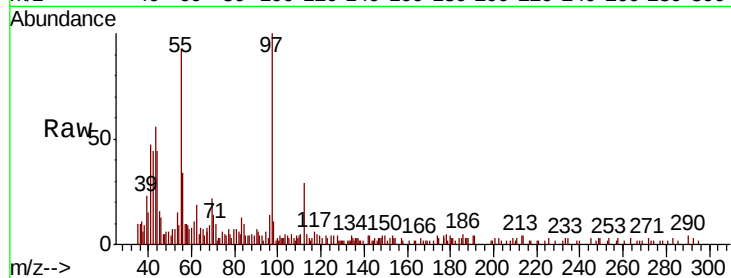




#55
 1,1,2-Trichloroethane
 Concen: 0.865 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.05 min
 Lab File: VX014437.D
 Acq: 06 Jan 2020 19:02

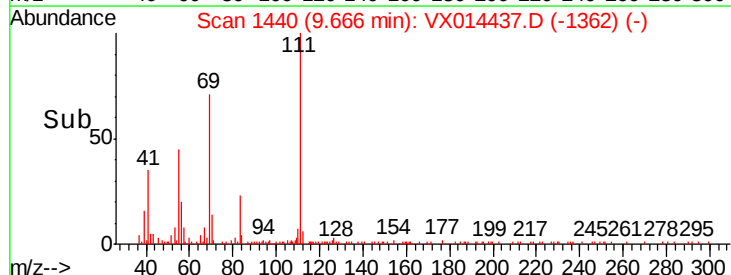
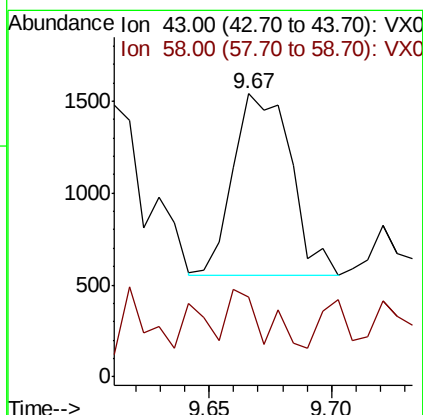
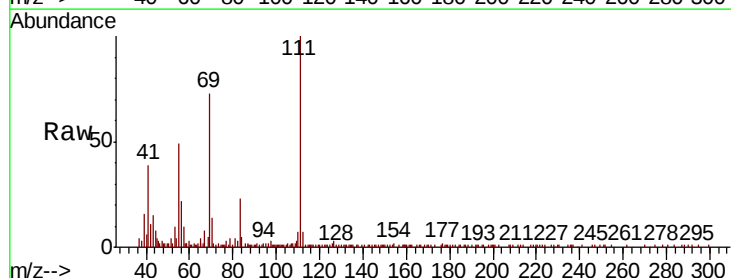
Instrument :
 MSVOA_X
 ClientSampleId :

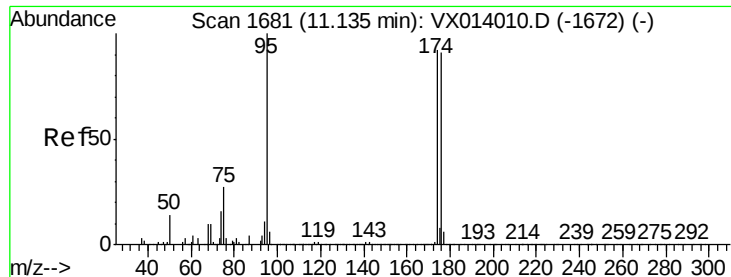
Tot Ion:	97	Resp:	5269
Ion	Ratio	Lower	Upper
97	100		
83	5.0	68.2	102.4#
85	0.0	44.6	66.8#
99	0.0	51.4	77.0#



#59
 2-Hexanone
 Concen: 0.226 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.18 min
 Lab File: VX014437.D
 Acq: 06 Jan 2020 19:02

Tgt Ion:	43	Resp:	1635
Ion	Ratio	Lower	Upper
43	100		
58	29.4	28.0	84.0

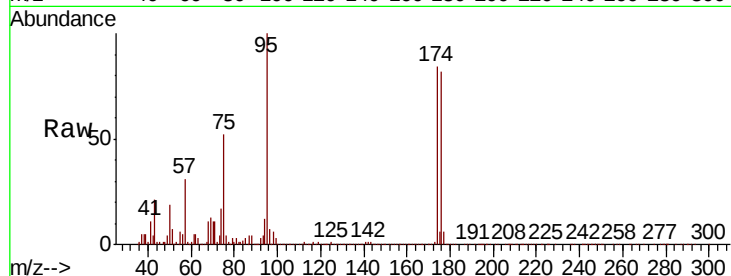




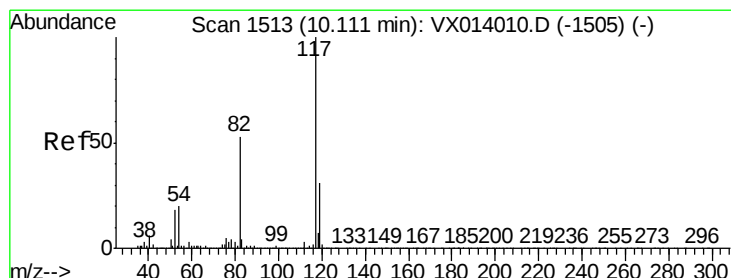
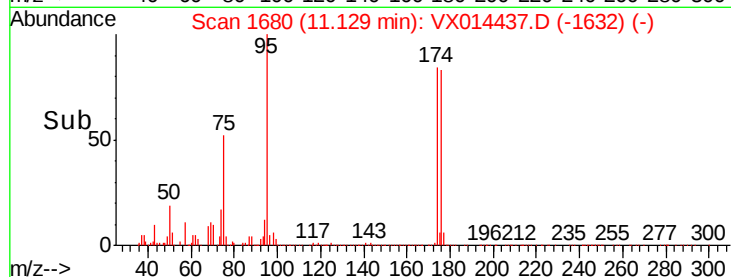
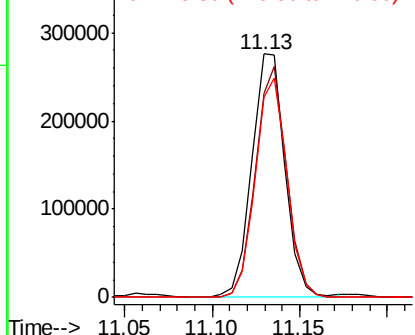
#62
4-Bromofluorobenzene
Concen: 49.548 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	175.8
176	86.8	0.0	173.0

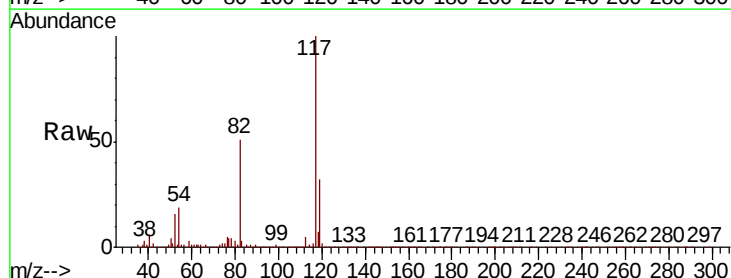


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

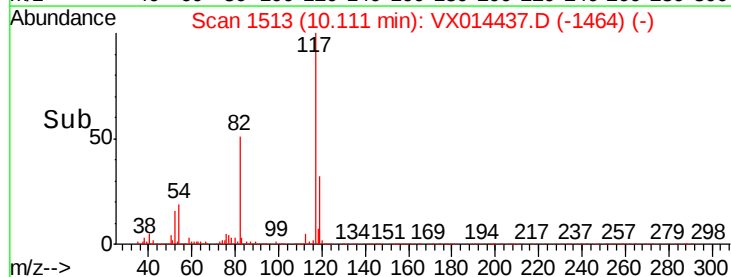
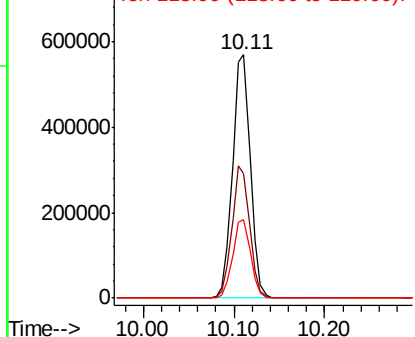


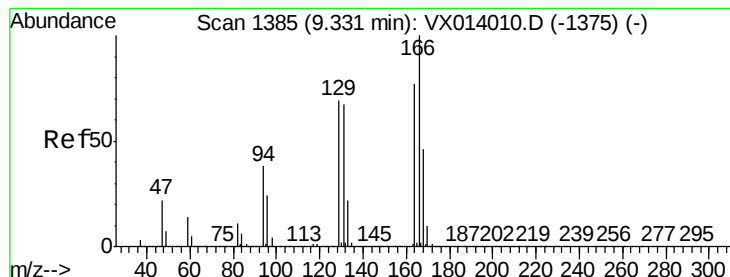
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.2	63.4
119	32.4	25.1	37.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.335 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 2291

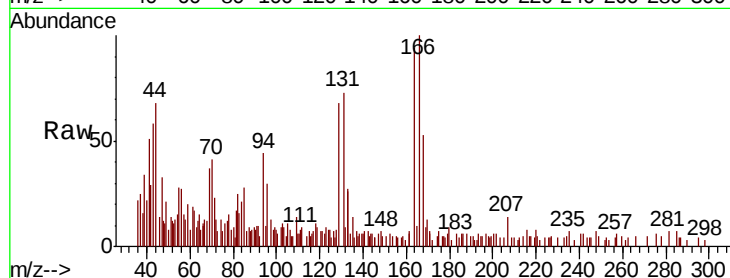
Ion Ratio Lower Upper

164 100

166 101.1 104.0 156.0#

129 64.6 72.2 108.4#

131 77.5 69.6 104.4

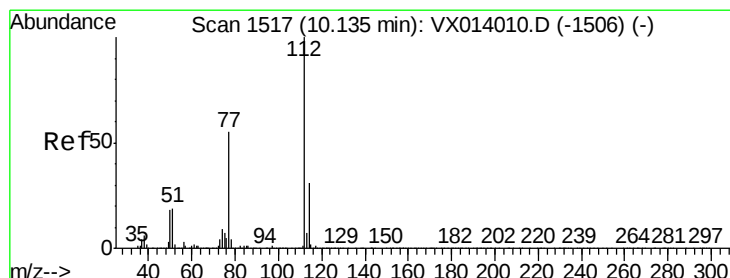
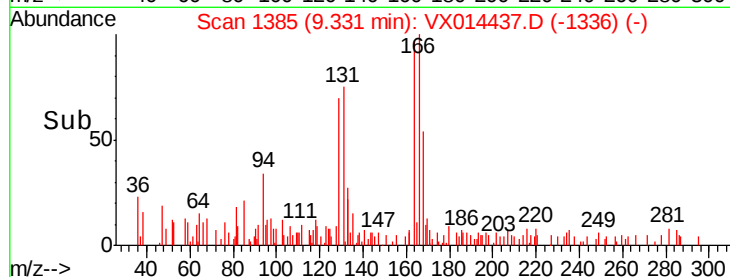
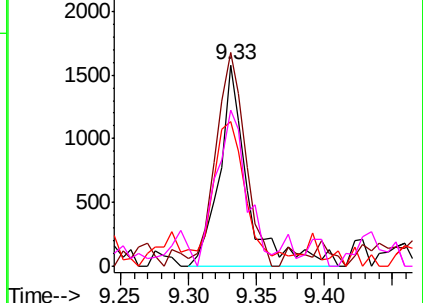


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 54.204 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014437.D

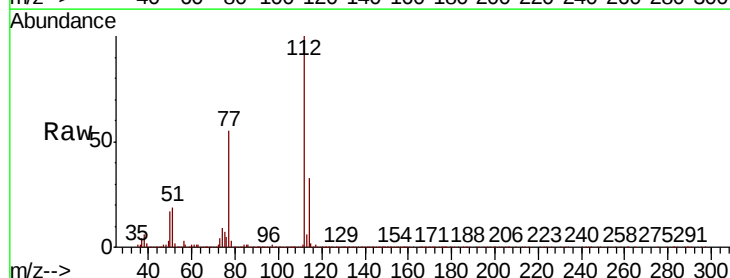
Acq: 06 Jan 2020 19:02

Tgt Ion:112 Resp: 889622

Ion Ratio Lower Upper

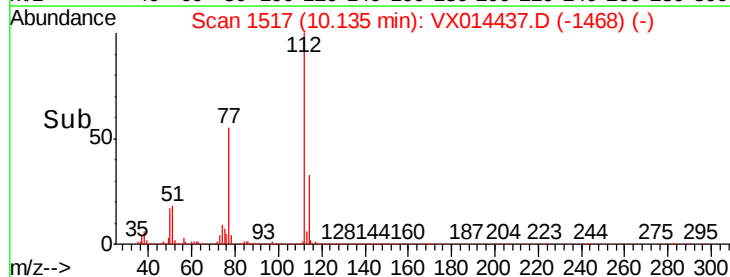
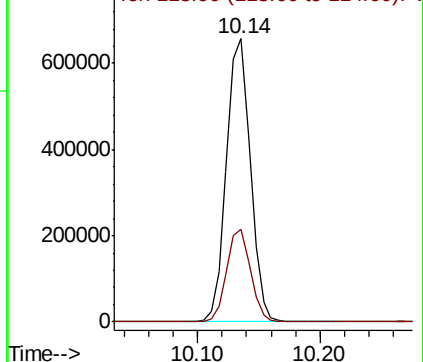
112 100

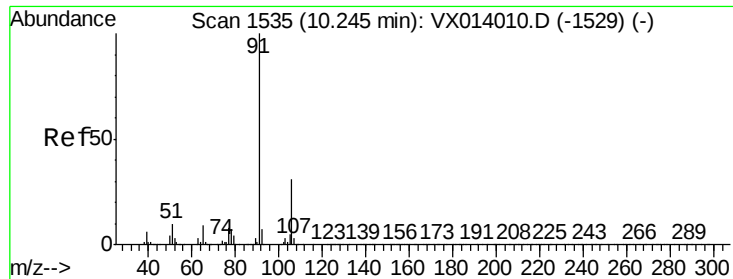
114 32.7 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 1.037 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

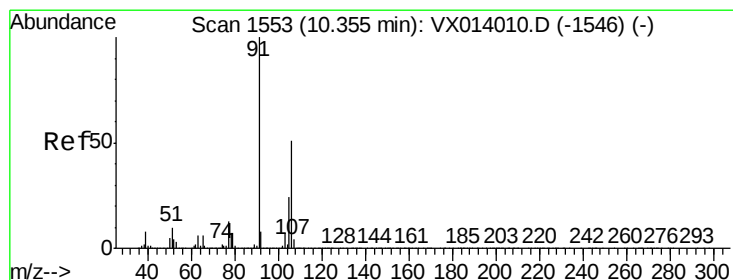
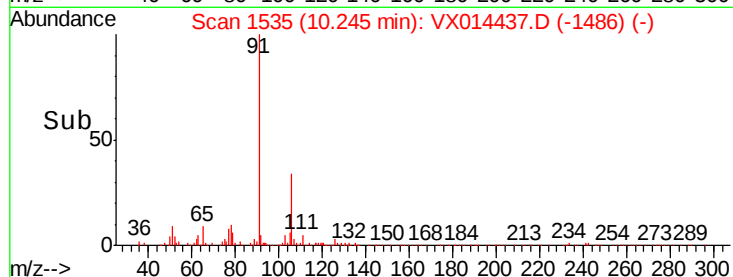
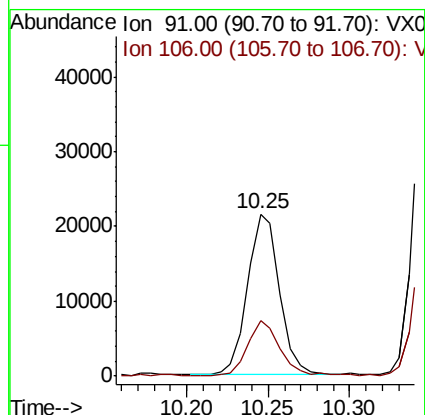
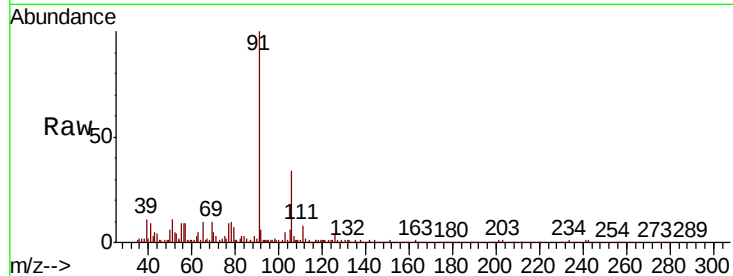
ClientSampleId :

Tot Ion: 91 Resp: 29255

Ion Ratio Lower Upper

91 100

106 33.9 25.0 37.6



#68

m/p-Xylenes

Concen: 4.253 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014437.D

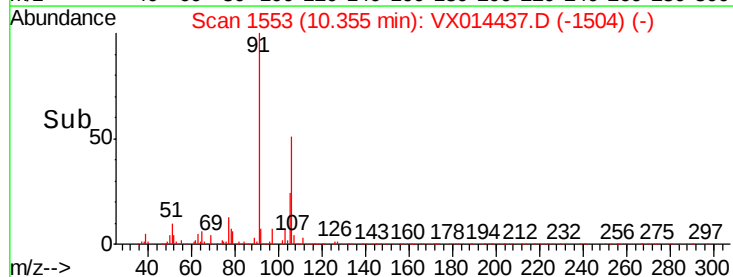
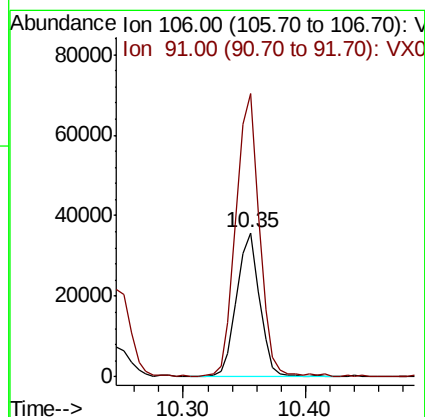
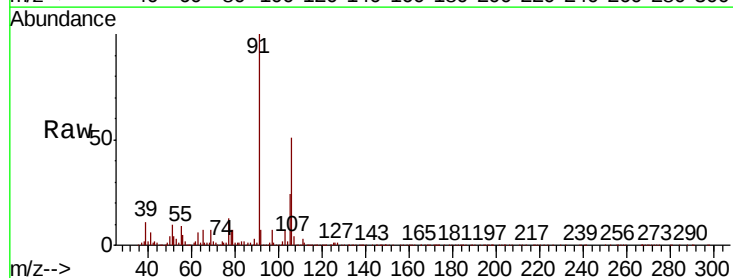
Acq: 06 Jan 2020 19:02

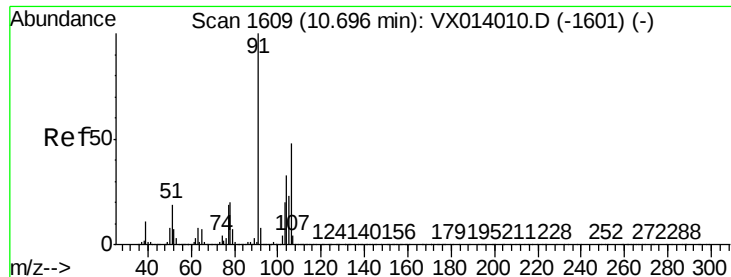
Tgt Ion: 106 Resp: 46160

Ion Ratio Lower Upper

106 100

91 199.0 158.6 238.0

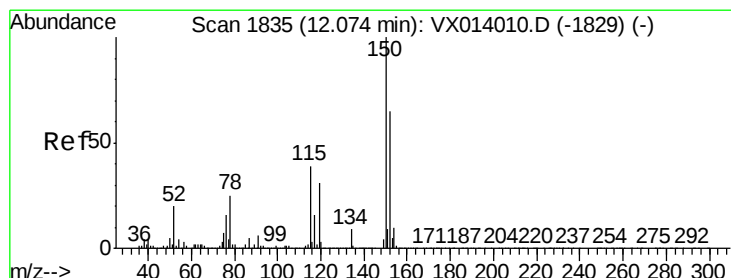
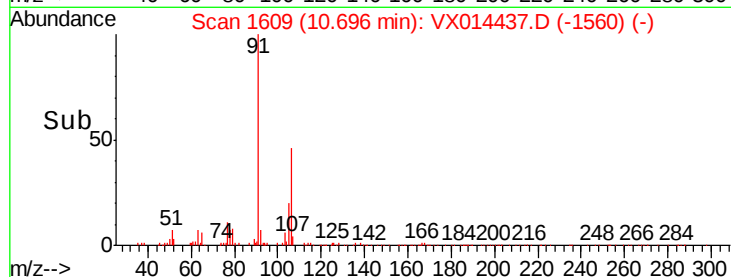
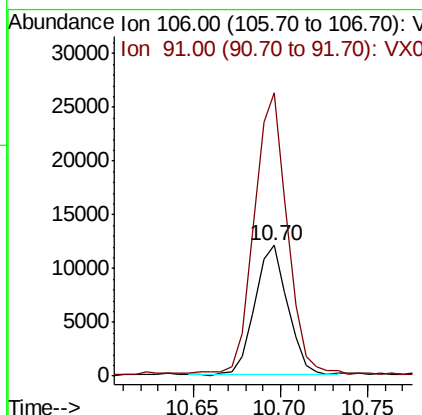
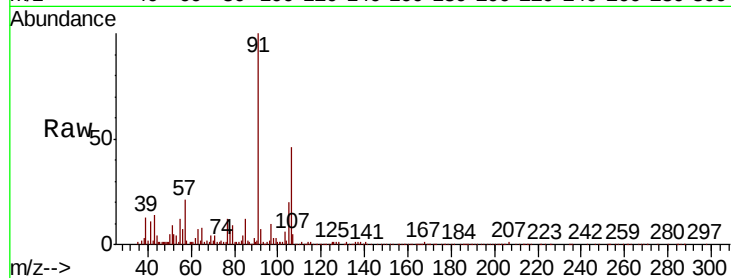




#69
o-Xylene
Concen: 1.486 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

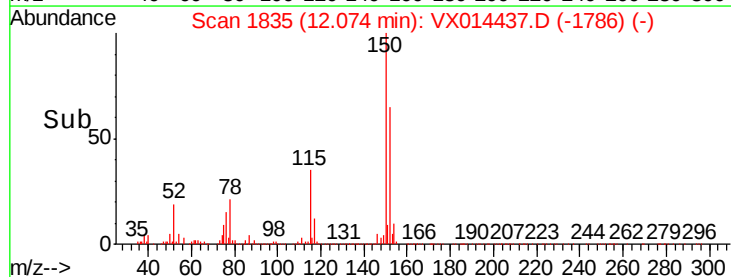
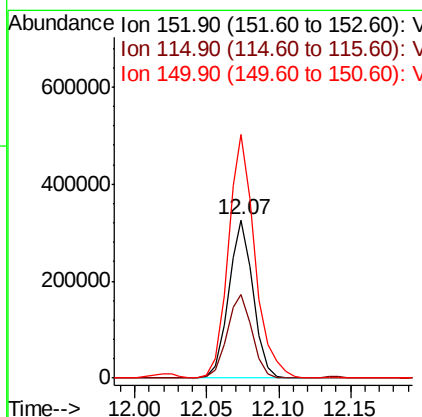
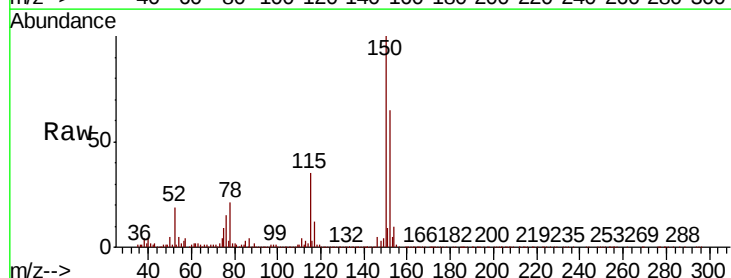
Instrument :
MSVOA_X
ClientSampled :

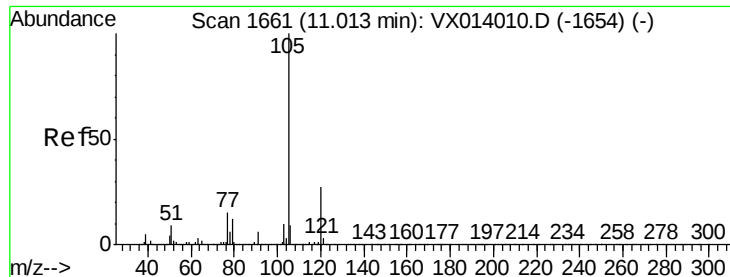
Tot Ion:106 Resp: 15819
Ion Ratio Lower Upper
106 100
91 219.1 104.2 312.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Tgt Ion:152 Resp: 386634
Ion Ratio Lower Upper
152 100
115 53.9 38.3 114.9
150 167.1 0.0 345.4





#73

Isopropylbenzene

Concen: 0.518 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

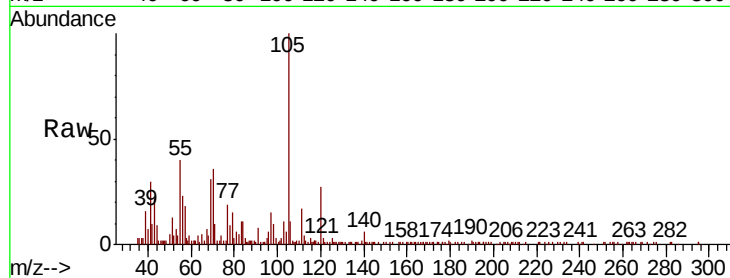
ClientSampleId :

Tot Ion:105 Resp: 14107

Ion Ratio Lower Upper

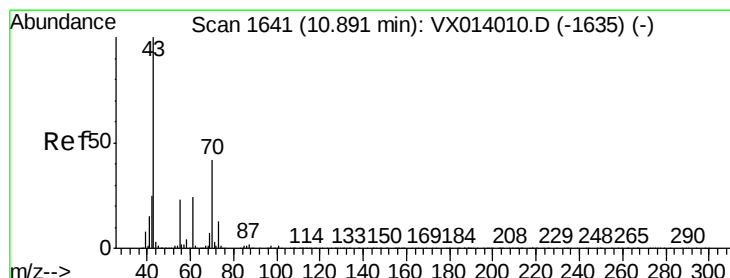
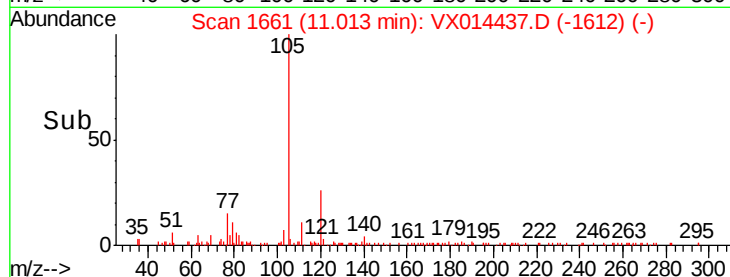
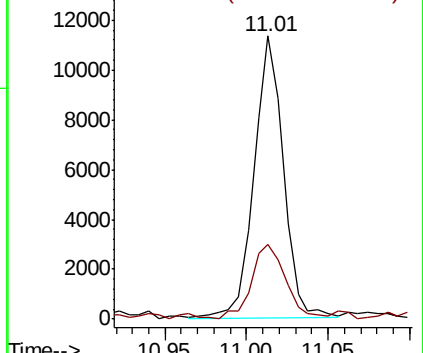
105 100

120 31.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.827 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Tgt Ion: 43 Resp: 23314

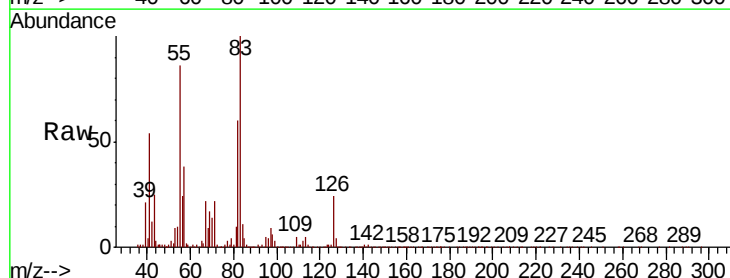
Ion Ratio Lower Upper

43 100

70 22.5 34.4 51.6#

55 261.0 19.1 28.7#

61 2.3 19.7 29.5#

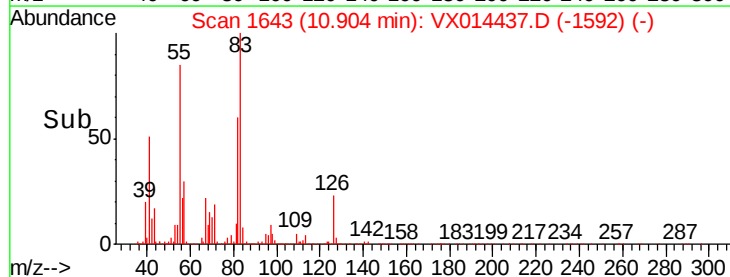
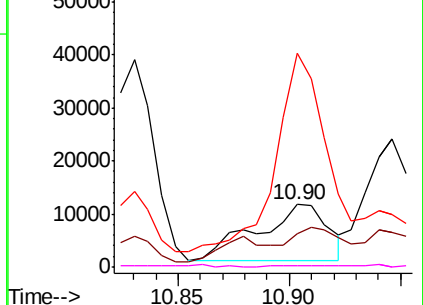


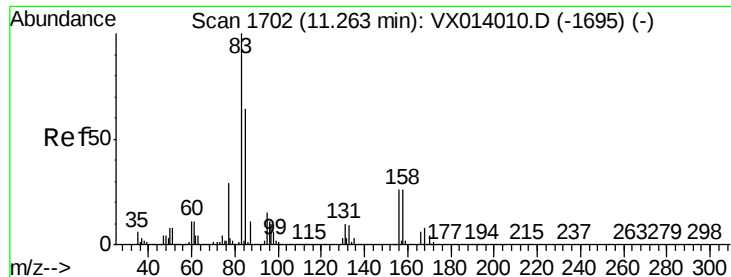
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.772 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampled :

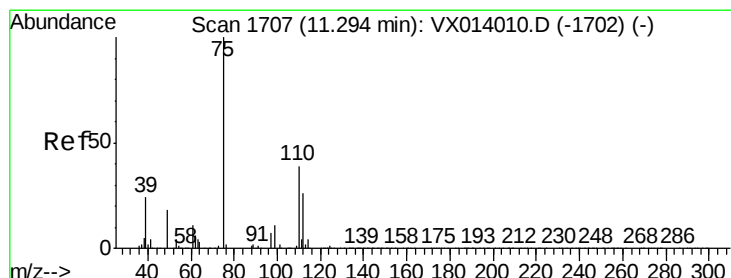
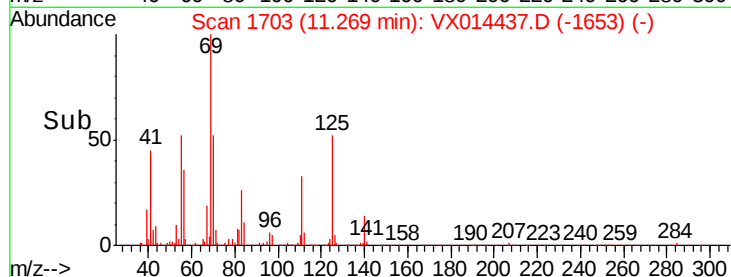
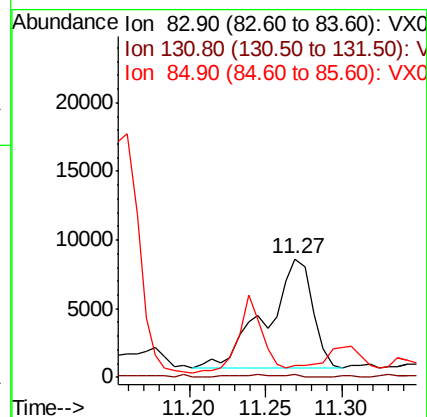
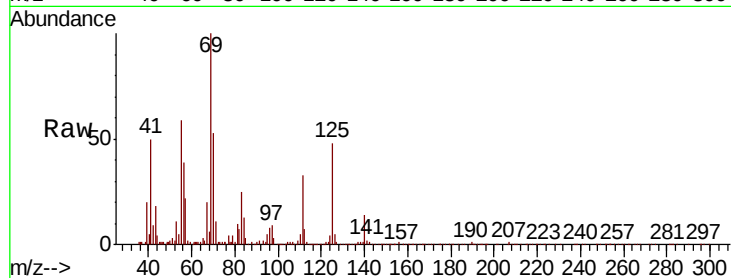
Tot Ion: 83 Resp: 16723

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 21.396 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014437.D

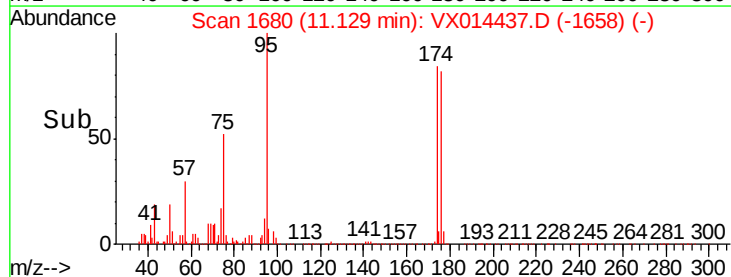
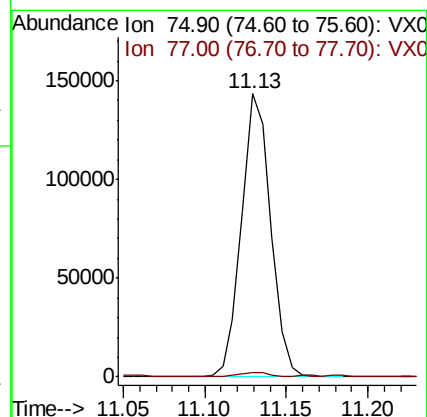
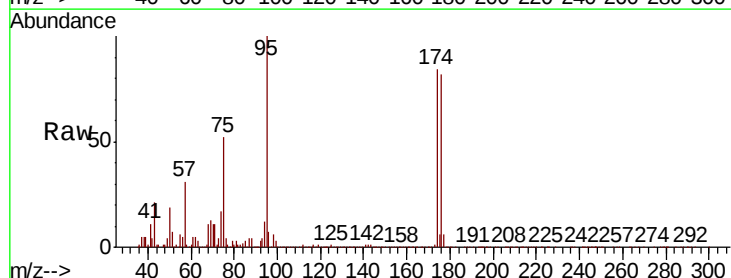
Acq: 06 Jan 2020 19:02

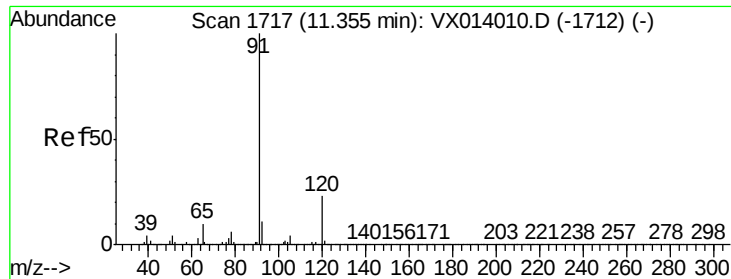
Tgt Ion: 75 Resp: 179591

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#





#78

n-propylbenzene

Concen: 1.421 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

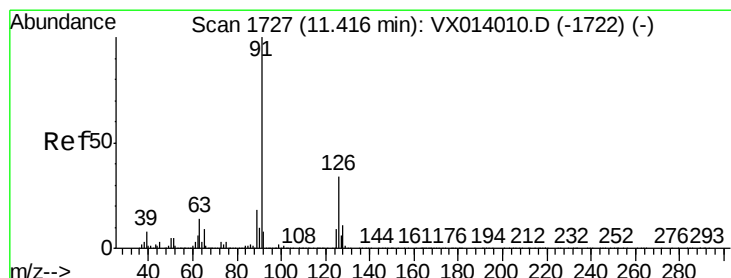
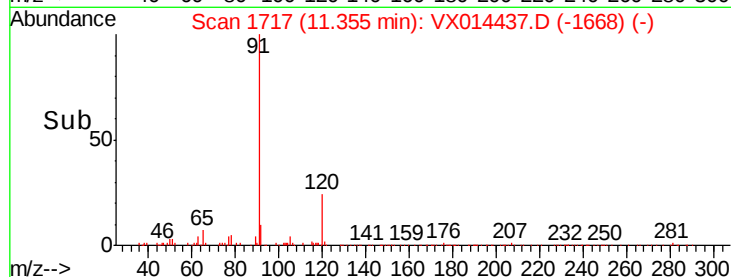
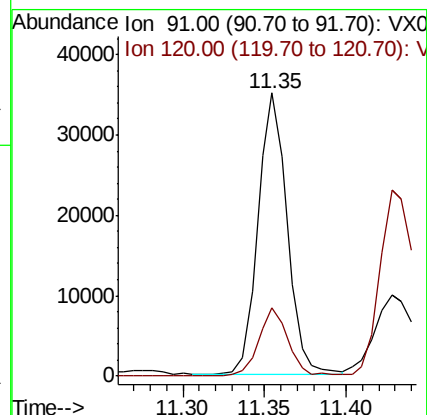
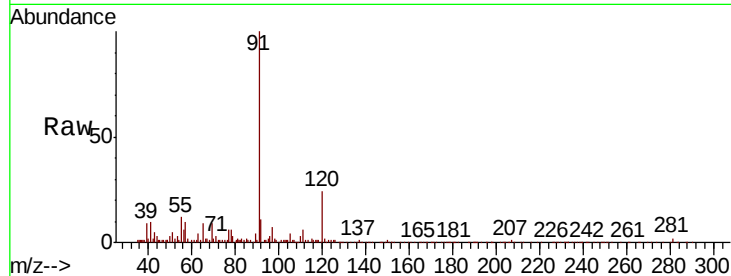
ClientSampleId :

Tot Ion: 91 Resp: 43388

Ion Ratio Lower Upper

91 100

120 25.0 11.7 35.0



#79

2-Chlorotoluene

Concen: 1.058 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX014437.D

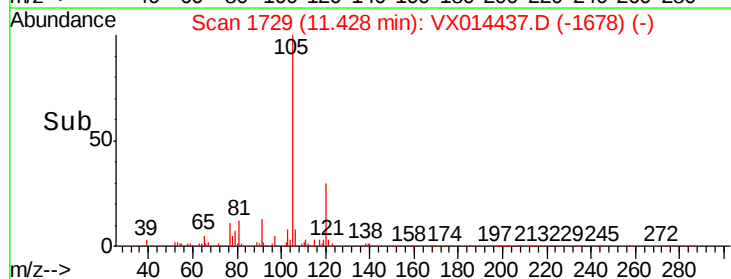
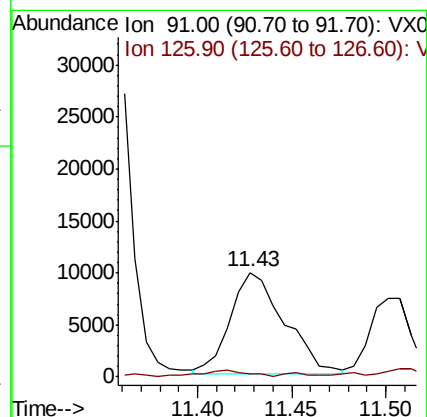
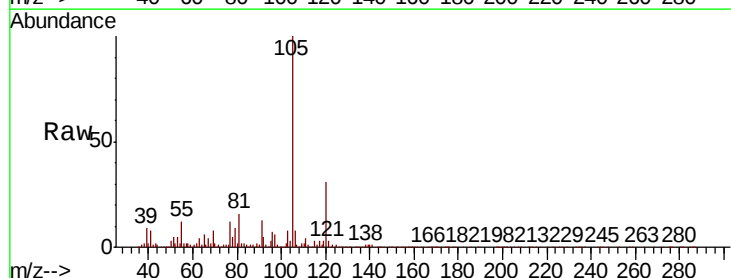
Acq: 06 Jan 2020 19:02

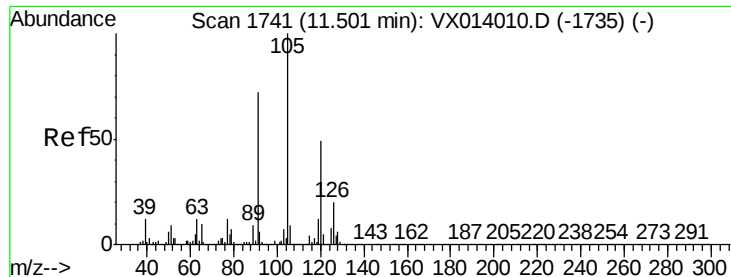
Tgt Ion: 91 Resp: 19641

Ion Ratio Lower Upper

91 100

126 5.8 17.2 51.6#





#80

1,3,5-Trimethylbenzene

Concen: 3.654 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

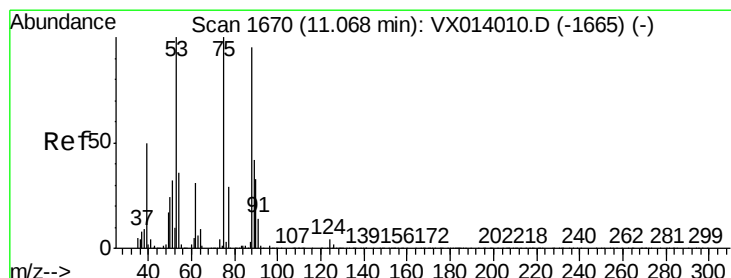
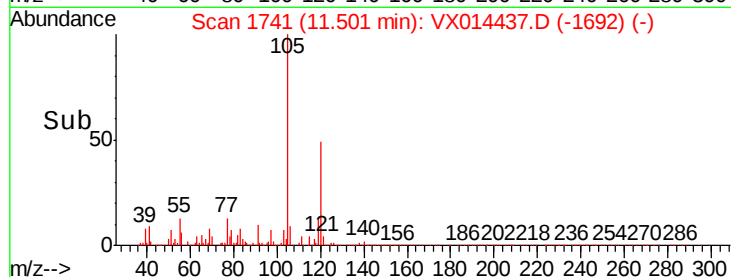
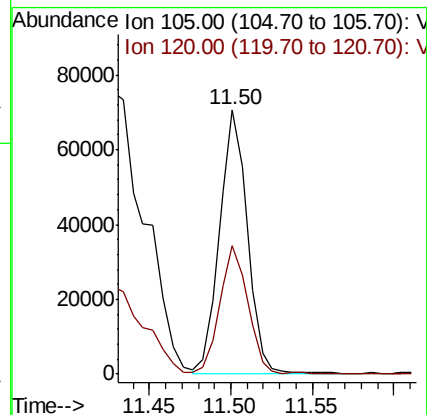
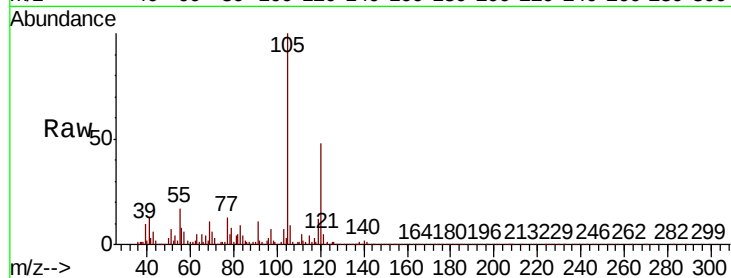
ClientSampled :

Tot Ion:105 Resp: 83711

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8



#81

trans-1,4-Dichloro-2-butene

Concen: 60.390 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

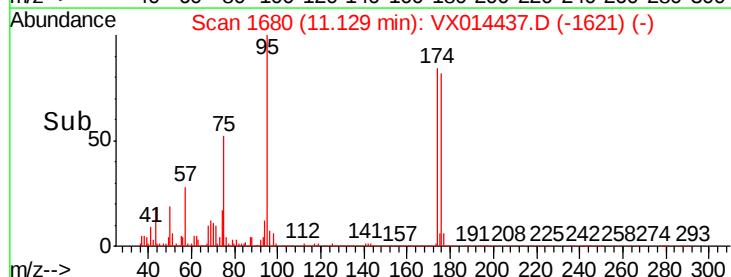
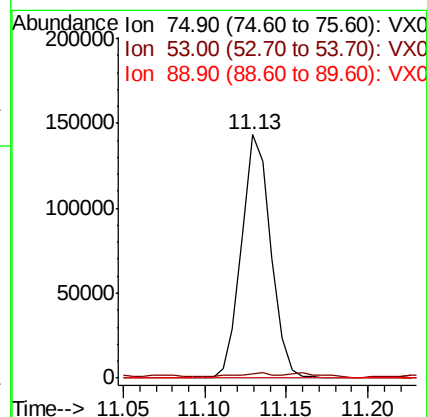
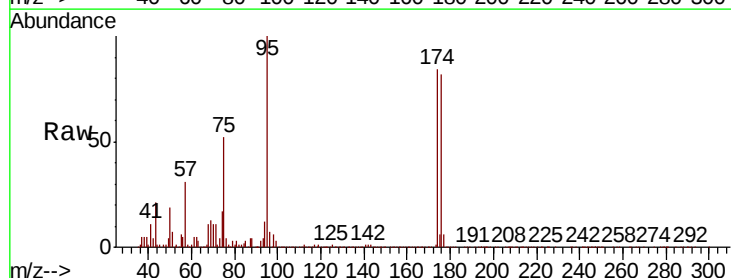
Tgt Ion: 75 Resp: 179591

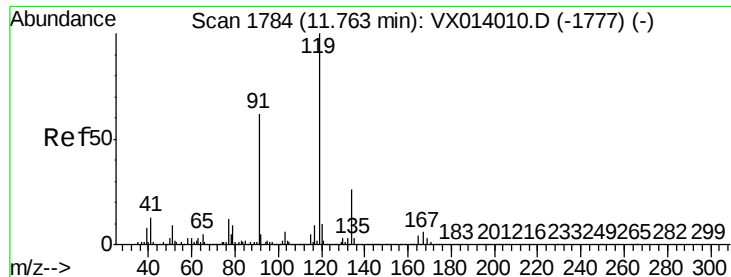
Ion Ratio Lower Upper

75 100

53 2.4 76.7 115.1#

89 0.2 34.6 51.8#

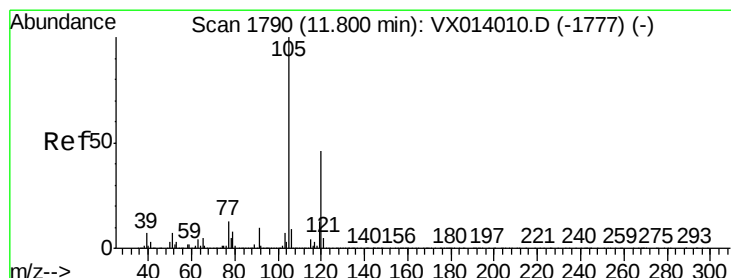
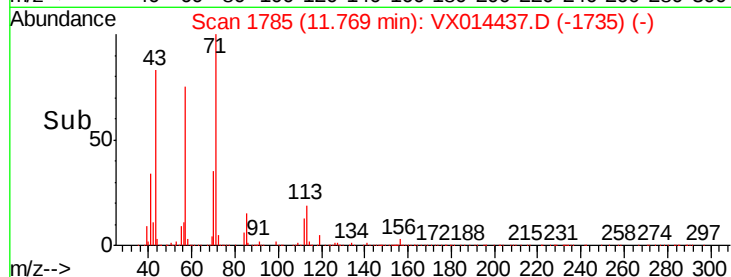
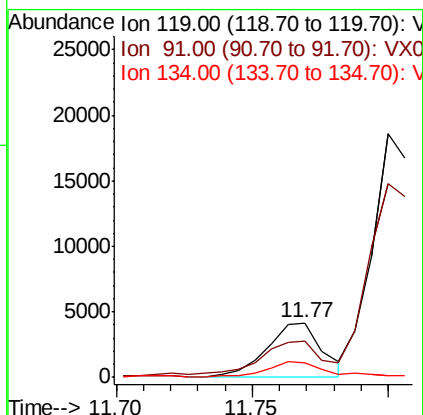
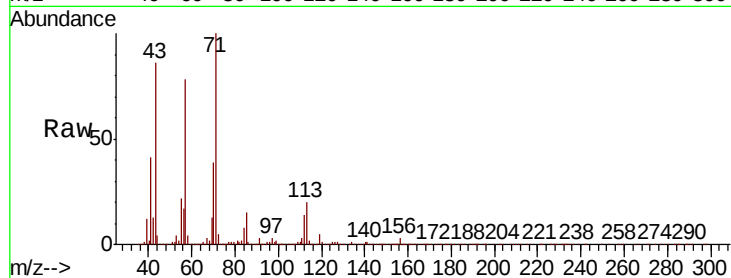




#83
tert-Butylbenzene
Concen: 0.262 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

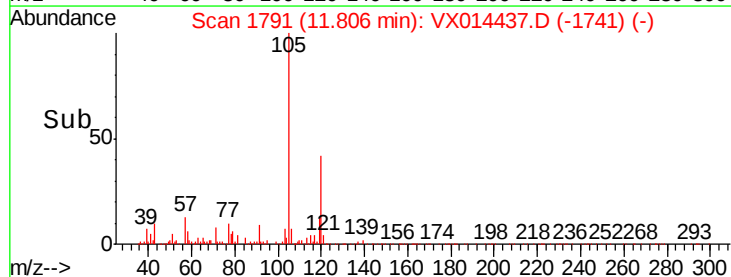
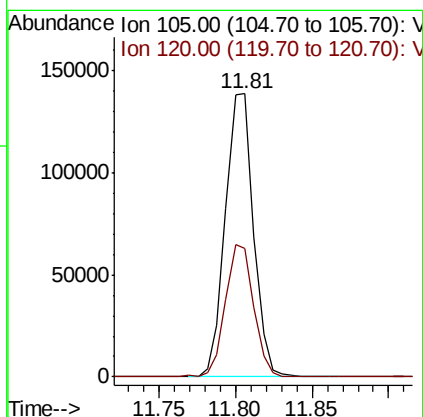
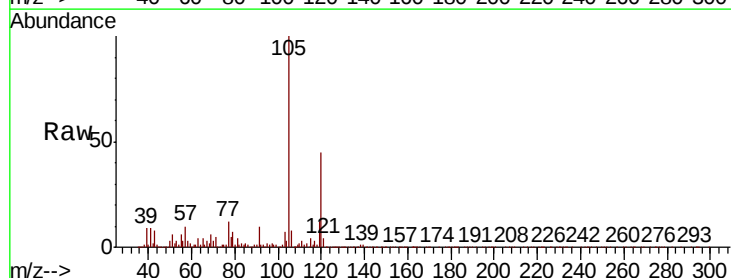
Instrument :
MSVOA_X
ClientSampleId :

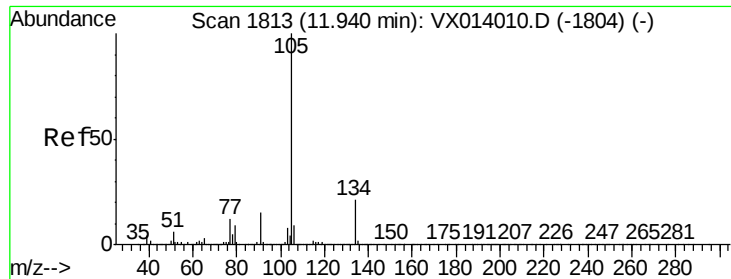
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	28.5	85.6
134	33.0	12.2	36.6



#84
1,2,4-Trimethylbenzene
Concen: 7.695 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 1.057 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

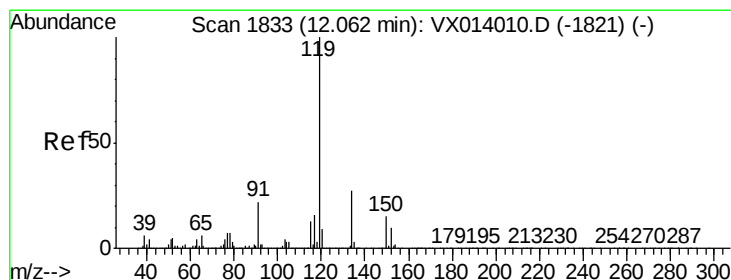
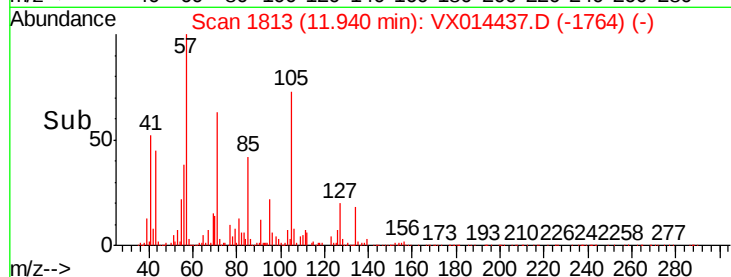
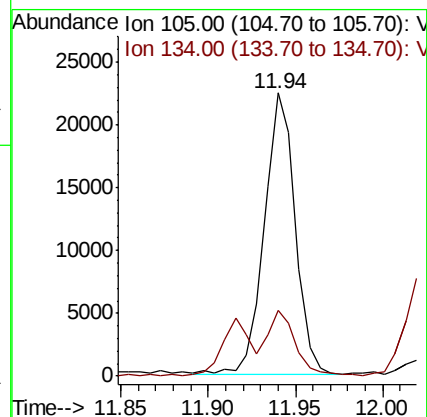
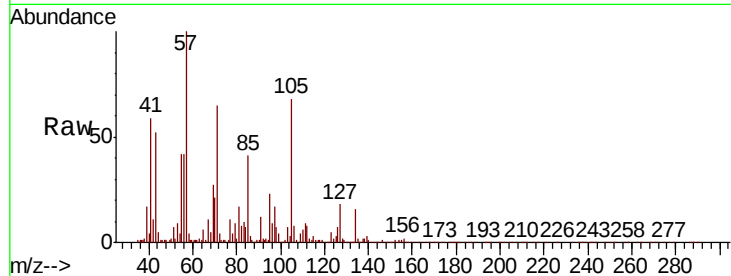
ClientSampled :

Tot Ion:105 Resp: 27816

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.1



#86

p-Isopropyltoluene

Concen: 1.086 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

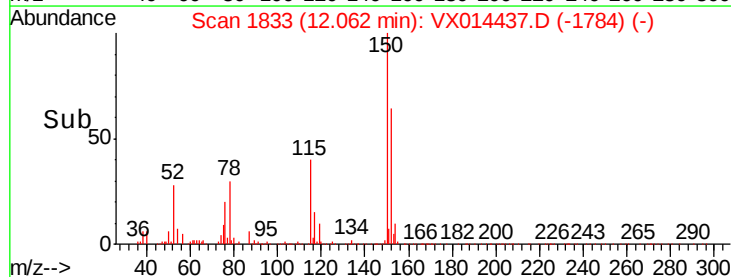
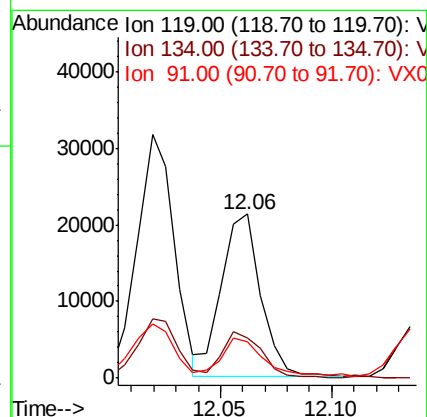
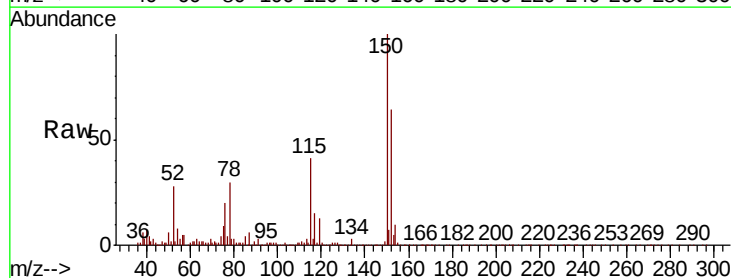
Tgt Ion:119 Resp: 26152

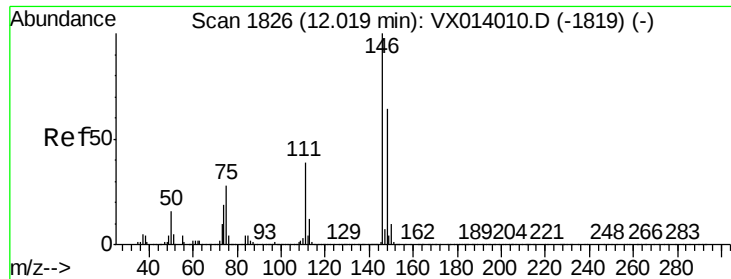
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.1

91 24.2 11.4 34.1

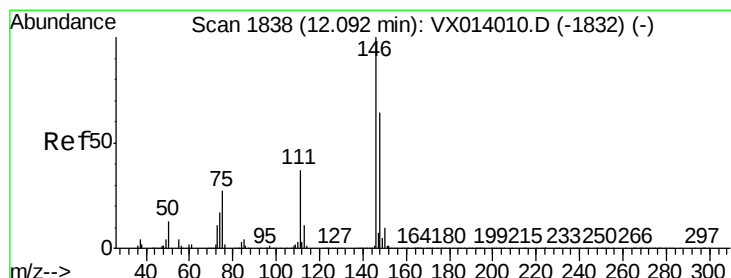
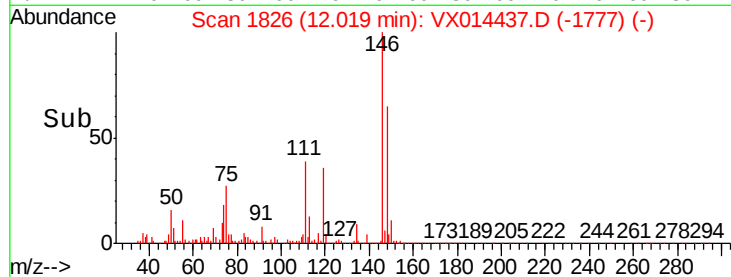
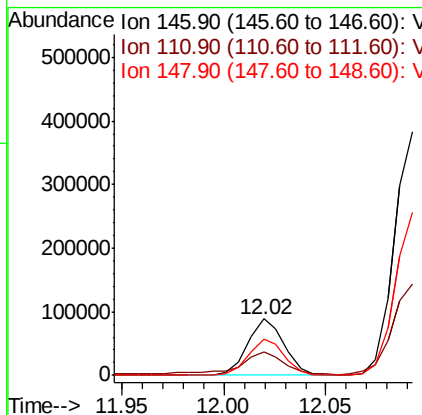
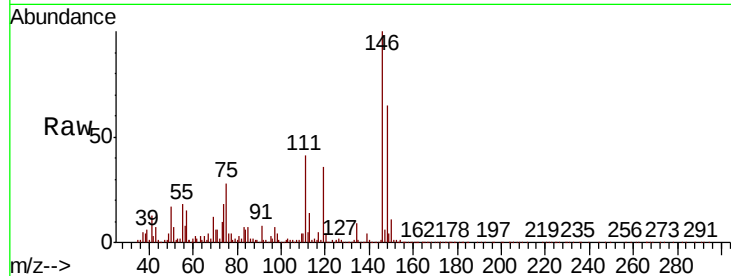




#87
 1,3-Dichlorobenzene
 Concen: 8.420 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014437.D
 Acq: 06 Jan 2020 19:02

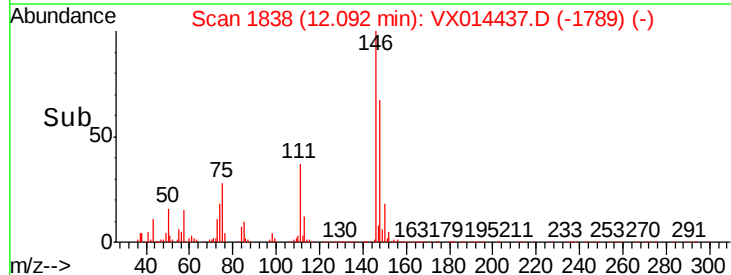
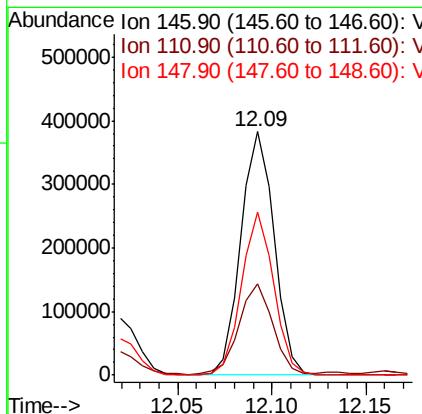
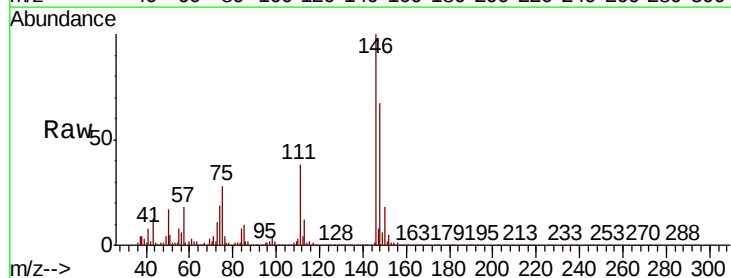
Instrument :
 MSVOA_X
 ClientSampleId :

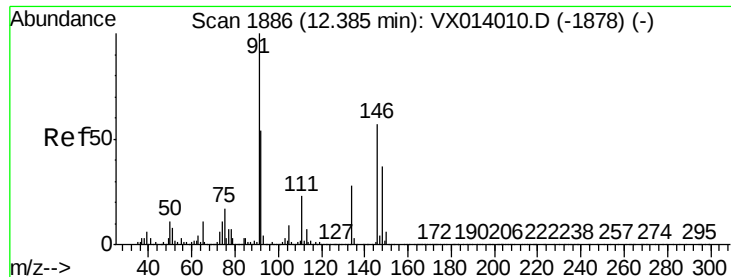
Tot Ion:146 Resp: 110528
 Ion Ratio Lower Upper
 146 100
 111 48.6 19.1 57.1
 148 63.4 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 35.077 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014437.D
 Acq: 06 Jan 2020 19:02

Tgt Ion:146 Resp: 468179
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 65.0 31.9 95.9





#89

n-Butylbenzene

Concen: 2.458 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

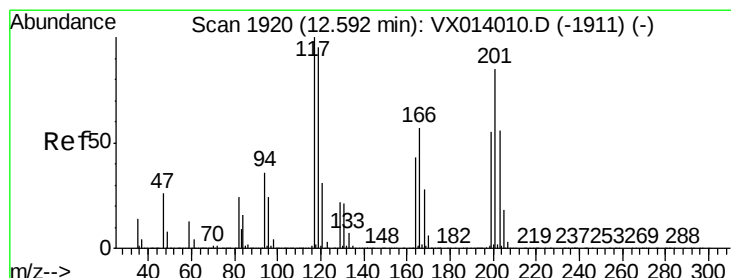
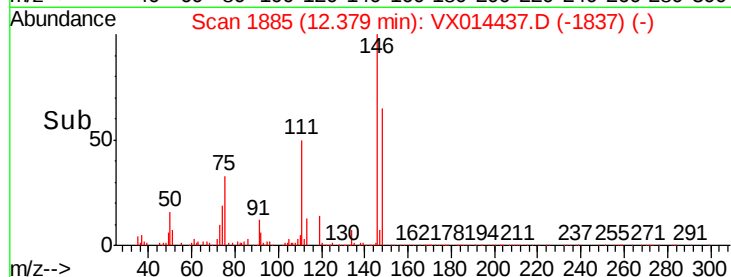
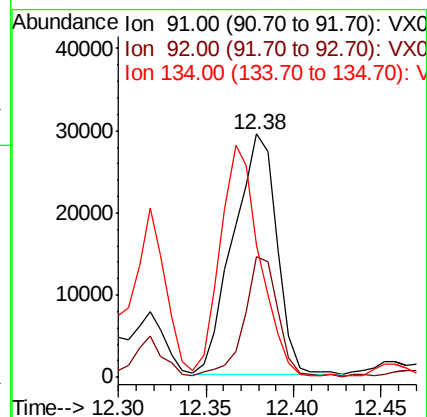
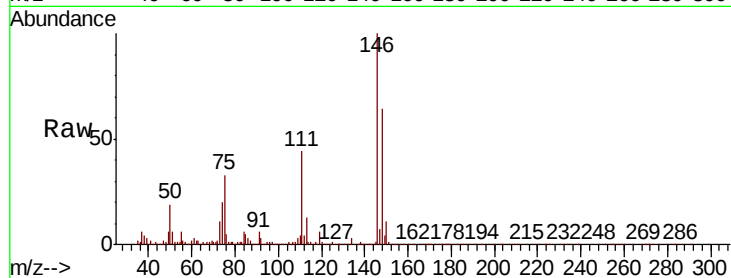
Tot Ion: 91 Resp: 50493

Ion Ratio Lower Upper

91 100

92 39.8 27.2 81.6

134 86.2 13.4 40.1#



#90

Hexachloroethane

Concen: 0.964 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VX014437.D

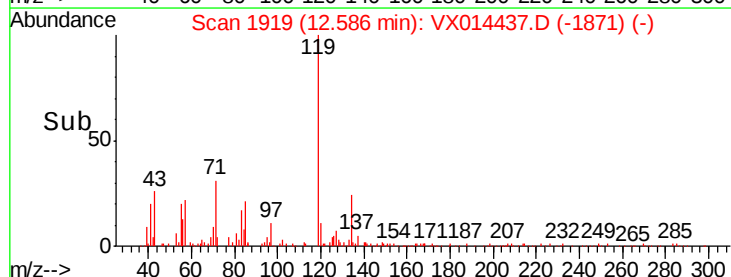
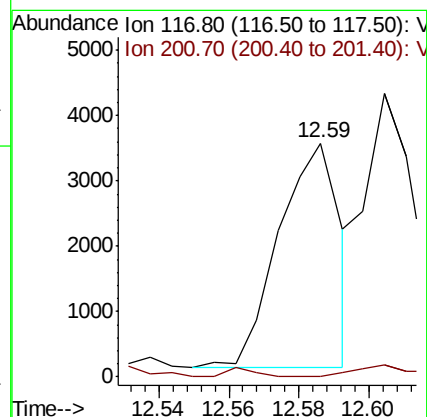
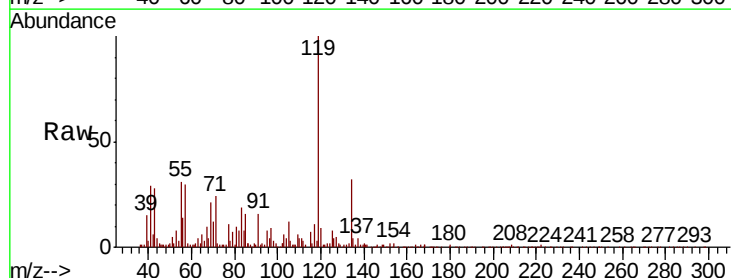
Acq: 06 Jan 2020 19:02

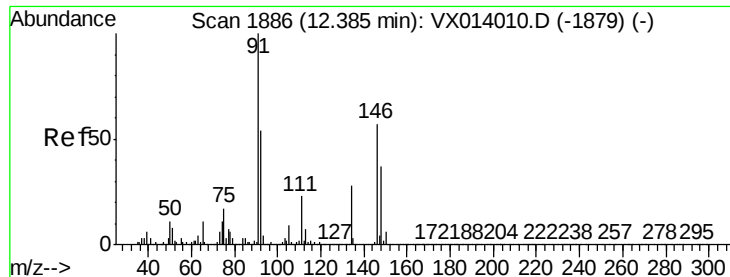
Tgt Ion: 117 Resp: 4167

Ion Ratio Lower Upper

117 100

201 0.0 43.1 129.3#





#91

1,2-Dichlorobenzene

Concen: 75.746 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampled :

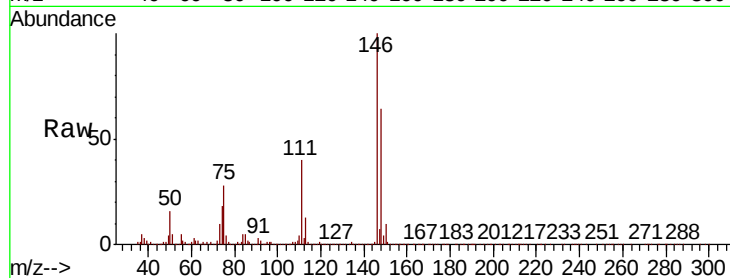
Tot Ion:146 Resp: 1000915

Ion Ratio Lower Upper

146 100

111 39.9 19.7 59.1

148 64.3 32.1 96.5



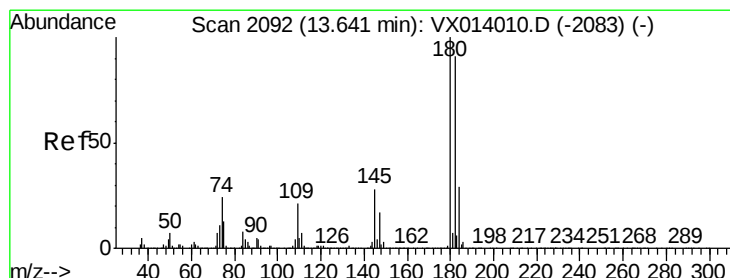
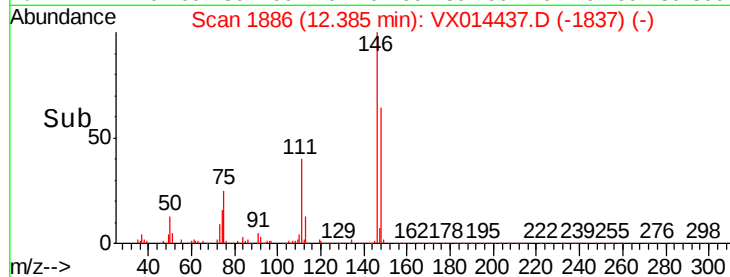
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.39

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 6.274 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

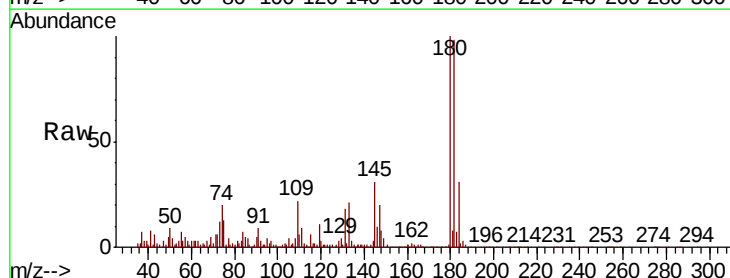
Tgt Ion:180 Resp: 53886

Ion Ratio Lower Upper

180 100

182 97.7 46.6 139.8

145 36.1 14.2 42.6



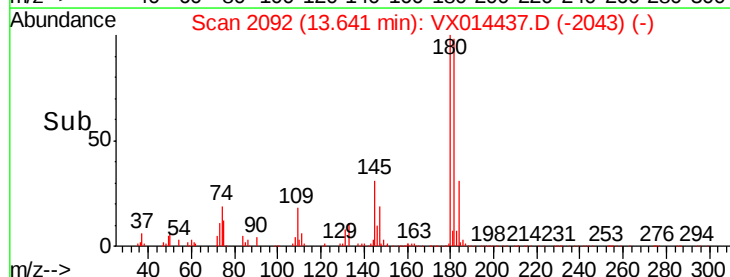
Abundance Ion 179.80 (179.50 to 180.50): V

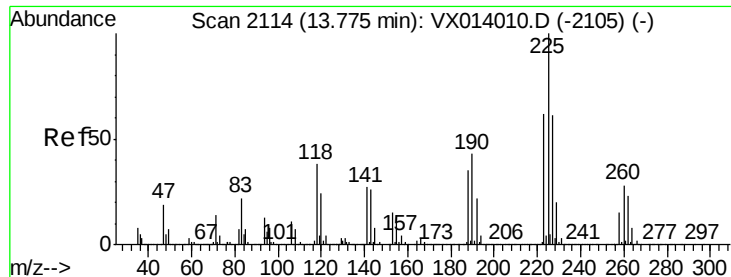
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

13.64

Time-->





#94

Hexachlorobutadiene

Concen: 0.228 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampled :

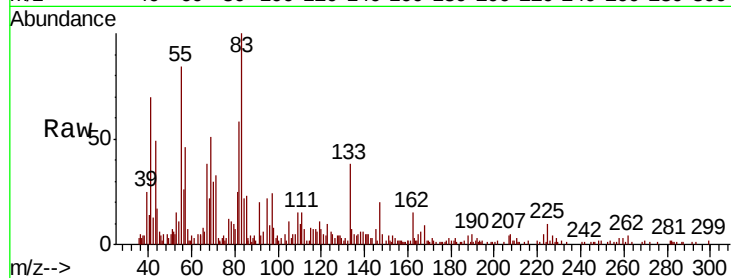
Tot Ion:225 Resp: 943

Ion Ratio Lower Upper

225 100

223 88.7 30.9 92.5

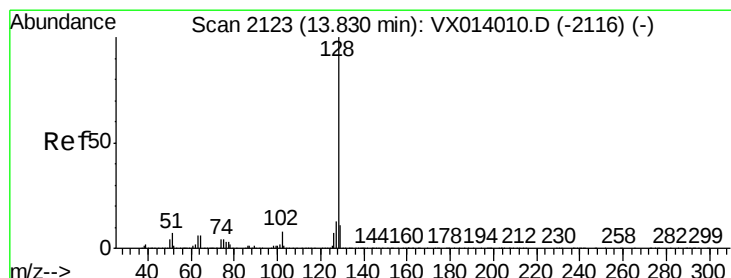
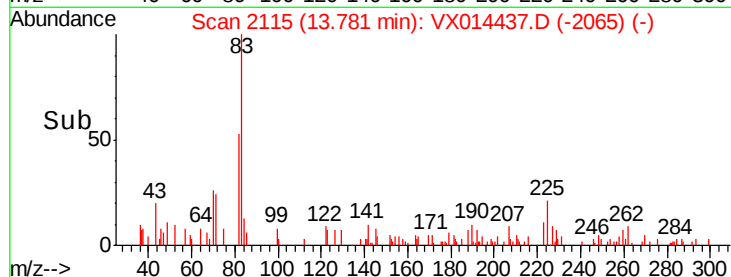
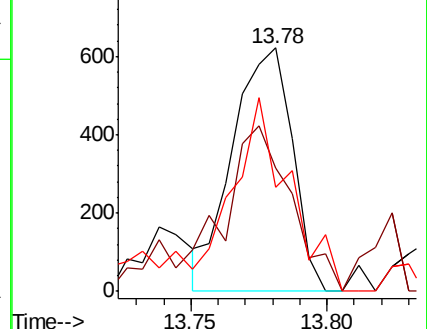
227 75.1 30.9 92.7



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: 6.534 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

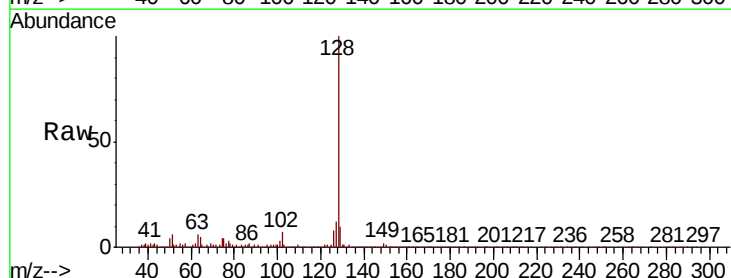
Tgt Ion:128 Resp: 164889

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

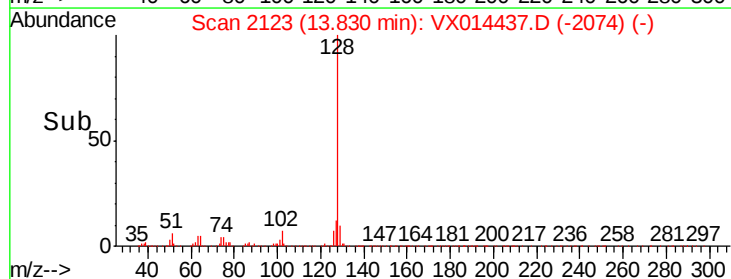
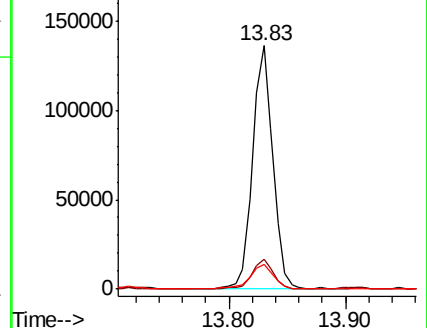
129 11.8 8.7 13.1

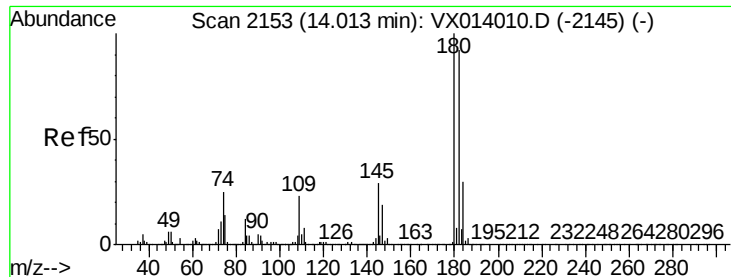


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.489 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014437.D
 Acq: 06 Jan 2020 19:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	46.8	140.3
145	44.1	14.8	44.4

