

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014128.D
 Acq On : 19 Dec 2019 18:11
 Operator : JC/SP
 Sample : K6373-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 00:55:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	188	30.00	ug/l	0.03
28) 1,4-Difluorobenzene	6.85	114	832486	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	759697	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	299006	22207.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	74025.67%#
60) 4-Bromofluorobenzene	11.13	95	353624	28.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.10%
63) Toluene-d8	8.71	98	1007280	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.36	85	273	28.747	ug/l 75
3) Chloromethane	1.27	50	352	26.298	ug/l 95
4) Vinyl Chloride	1.49	62	228	16.617	ug/l 96
5) Bromomethane	1.53	94	291	29.012	ug/l 91
6) Chloroethane	1.58	64	885	104.421	ug/l 100
7) Trichlorofluoromethane	1.92	101	194	11.362	ug/l # 49
8) Diethyl Ether	2.18	74	8219	1047.285	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	2.37	101	134	13.159	ug/l 81
10) 1,1-Dichloroethene	2.37	96	315	29.921	ug/l # 20
11) Methyl Iodide	2.51	142	656	48.405	ug/l # 83
12) Methyl Acetate	2.79	43	197	12.088	ug/l 96
13) Acrolein	2.20	56	131	66.272	ug/l 89
14) Acrylonitrile	3.16	53	209	32.804	ug/l # 1
15) Acetone	2.43	58	495572	264780.904	ug/l 88
16) Carbon Disulfide	2.56	76	271135	9507.174	ug/l 96
17) Allyl chloride	2.87	41	107	5.656	ug/l 73
18) Methylene Chloride	2.86	84	683	52.947	ug/l # 17
19) trans-1,2-Dichloroethene	3.16	96	501	43.459	ug/l # 62
20) Diisopropyl ether	3.86	45	314	8.089	ug/l # 62
21) 1,1-Dichloroethane	3.72	63	268	12.721	ug/l # 82
22) cis-1,2-Dichloroethene	4.59	96	6354	475.454	ug/l # 72
23) tert-Butyl Alcohol	3.03	59	4640181	1856829.738	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	26184	736.289	ug/l # 65
25) Chloroform	5.42	83	235	11.700	ug/l 87
26) Cyclohexane	5.59	56	61	3.247	ug/l # 52
30) 2-Butanone	4.65	43	2863160	403.956	ug/l 100
34) Benzene	6.13	78	51654	1.378	ug/l # 95
44) Isopropyl Acetate	6.43	43	27063	1.188	ug/l # 81
45) 1,4-Dioxane	7.73	88	9044	42.398	ug/l 92
47) n-amyl Acetate	10.94	43	13797	0.681	ug/l 98
51) Ethyl methacrylate	9.09	69	4288	0.281	ug/l 80
58) 4-Methyl-2-Pentanone	8.64	43	152089	10.700	ug/l 99
59) 2-Hexanone	9.49	43	37660	3.491	ug/l # 94
62) Toluene	8.78	91	246907	6.111	ug/l 98
64) Chlorobenzene	10.14	112	15237	0.602	ug/l 90
66) Ethyl Benzene	10.25	91	130188	2.944	ug/l 96
67) m/p-Xylenes	10.36	106	79310	4.692	ug/l 99

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Quant Time: Dec 20 00:55:07 2019
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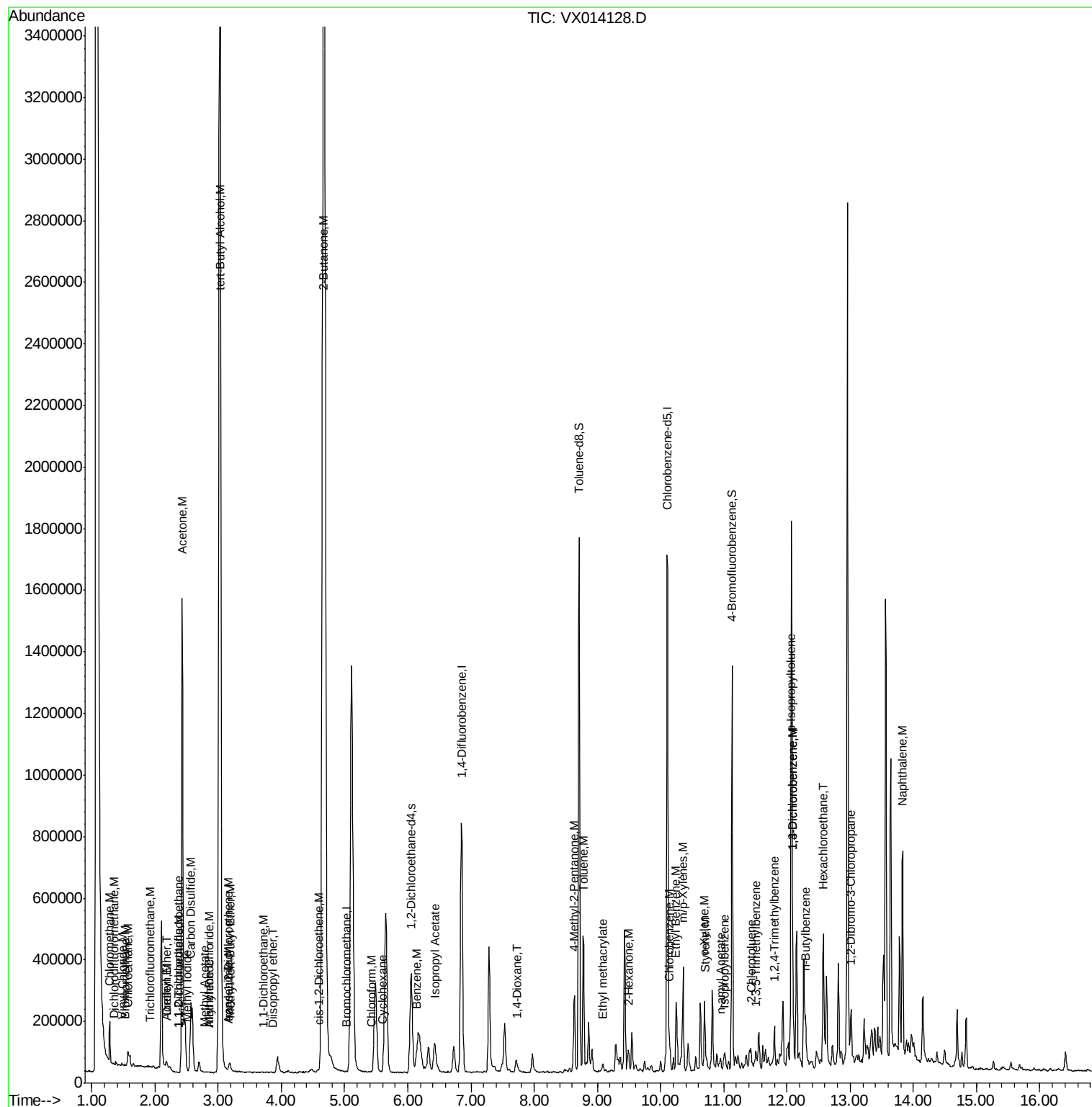
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) o-Xylene	10.70	106	45293	2.705	ug/l	96
69) Styrene	10.71	104	18934	0.665	ug/l #	71
70) Isopropylbenzene	11.01	105	18722	0.433	ug/l	100
75) 2-Chlorotoluene	11.43	91	7161	0.241	ug/l	63
76) 1,3,5-Trimethylbenzene	11.50	105	16248	0.443	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	54698	1.490	ug/l	99
82) p-Isopropyltoluene	12.06	119	113904	2.999	ug/l	98
83) 1,3-Dichlorobenzene	12.09	146	44404	2.205	ug/l	93
84) 1,4-Dichlorobenzene	12.09	146	44563	2.223	ug/l	93
85) n-Butylbenzene	12.29	91	9513	0.298	ug/l	67
86) Hexachloroethane	12.57	117	3966	0.576	ug/l #	8
88) 1,2-Dibromo-3-Chloropropan	13.01	75	707	0.231	ug/l #	22
91) Naphthalene	13.83	128	382634	9.740	ug/l	99

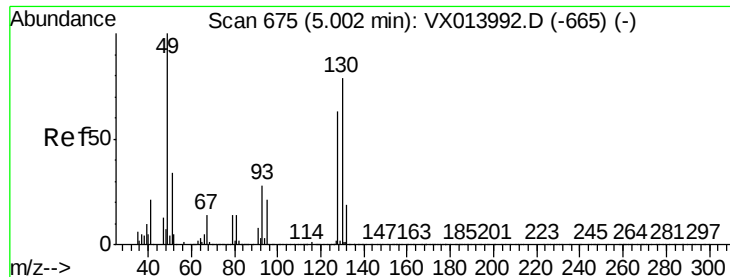
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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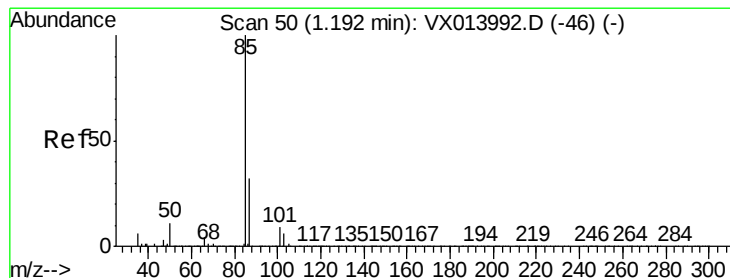
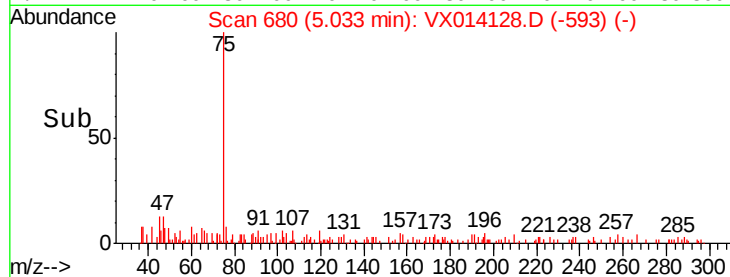
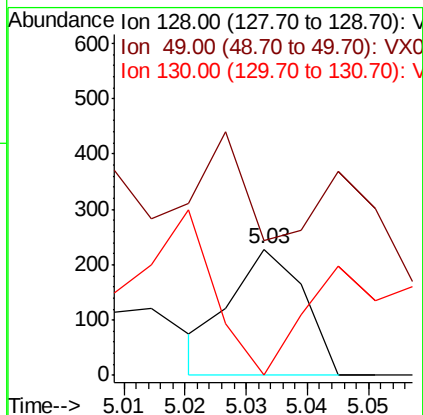
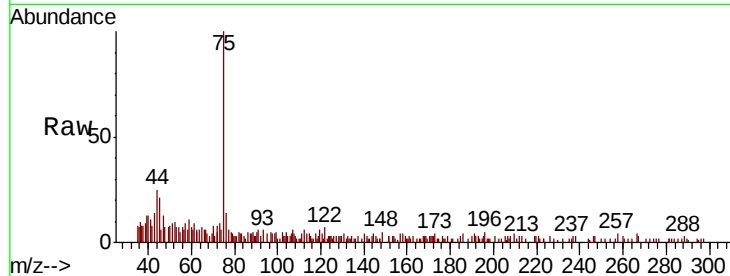


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.03 min Scan# 680
 Delta R.T. 0.03 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

Instrument :
 MSVOA_X
 ClientSampled :

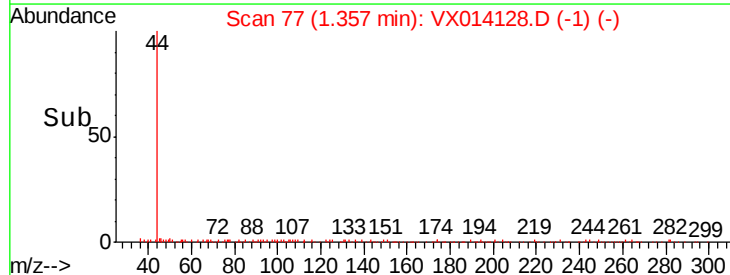
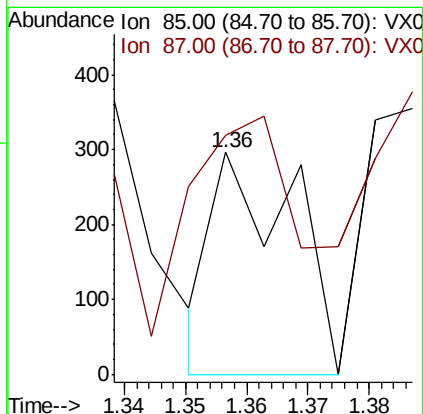
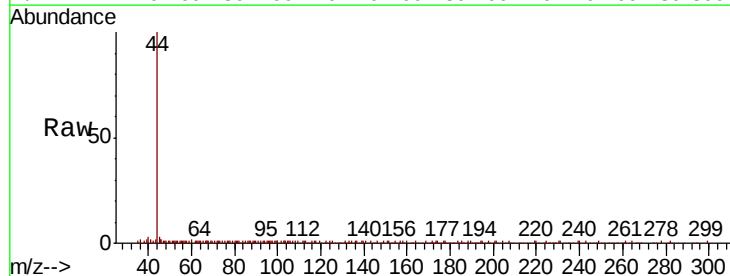
Tot Ion:128 Resp: 188
 Ion Ratio Lower Upper
 128 100
 49 113.8 0.0 405.0
 130 201.6 0.0 321.5

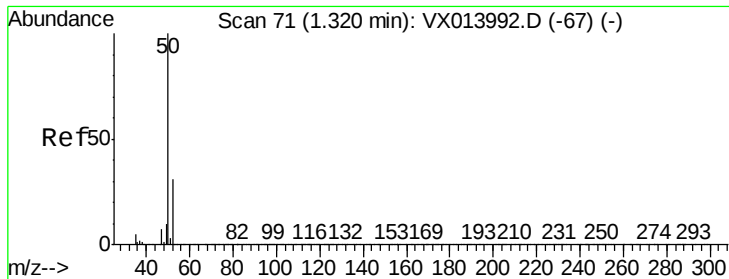


#2

Dichlorodifluoromethane
 Concen: 28.747 ug/l
 RT: 1.36 min Scan# 77
 Delta R.T. 0.16 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

Tgt Ion: 85 Resp: 273
 Ion Ratio Lower Upper
 85 100
 87 18.6 16.3 48.9





#3

Chloromethane

Concen: 26.298 ug/l

RT: 1.27 min Scan# 63

Delta R.T. -0.05 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

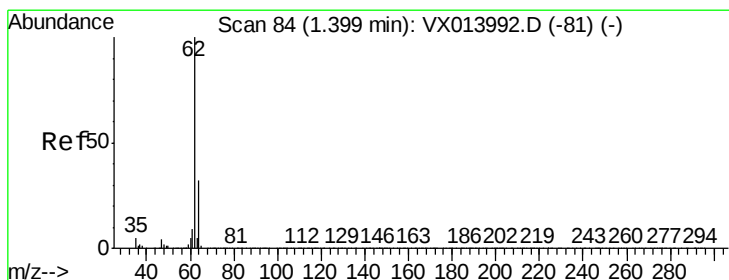
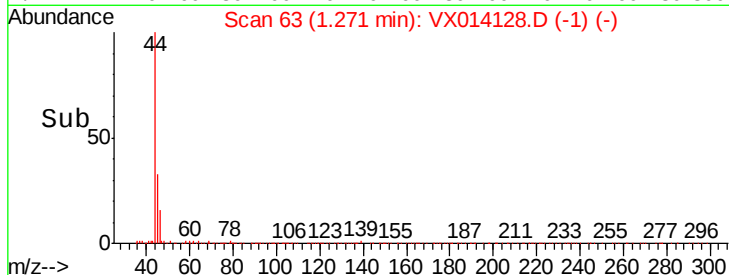
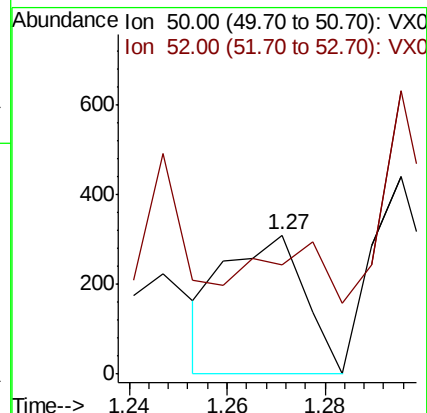
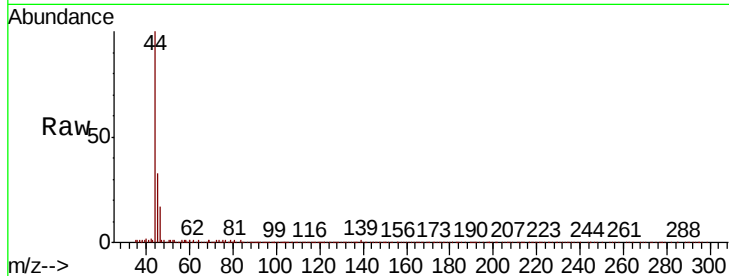
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 352

Ion Ratio Lower Upper

50 100

52 27.7 24.3 36.5



#4

Vinyl Chloride

Concen: 16.617 ug/l

RT: 1.49 min Scan# 99

Delta R.T. 0.09 min

Lab File: VX014128.D

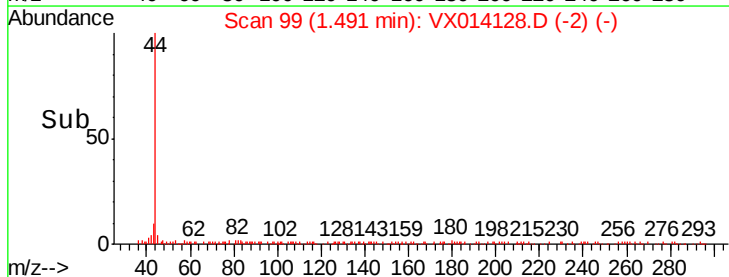
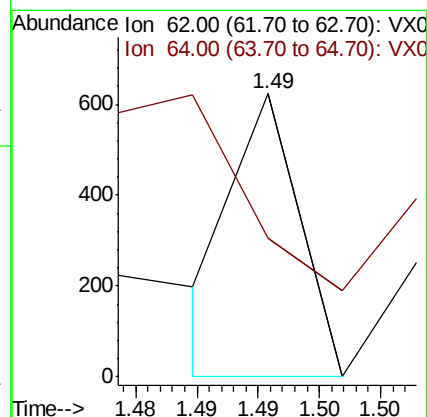
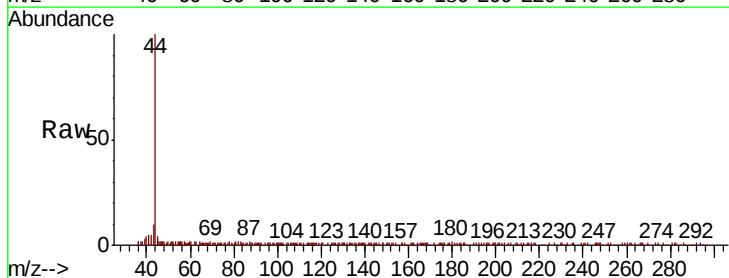
Acq: 19 Dec 2019 18:11

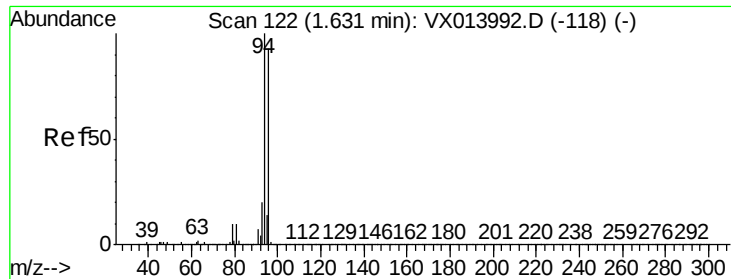
Tgt Ion: 62 Resp: 228

Ion Ratio Lower Upper

62 100

64 29.1 25.2 37.8





#5

Bromomethane

Concen: 29.012 ug/l

RT: 1.53 min Scan# 106

Delta R.T. -0.10 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

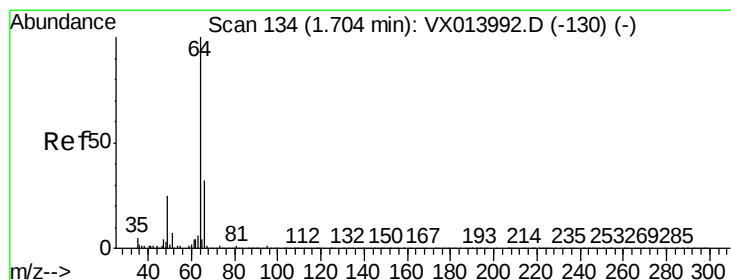
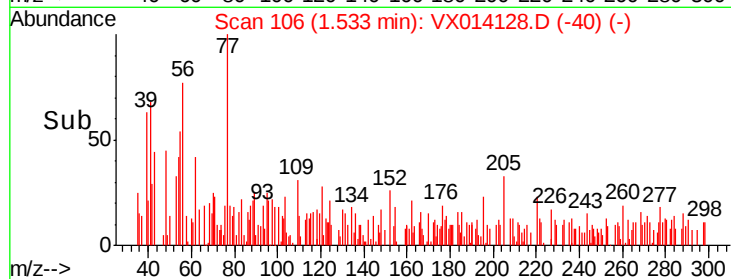
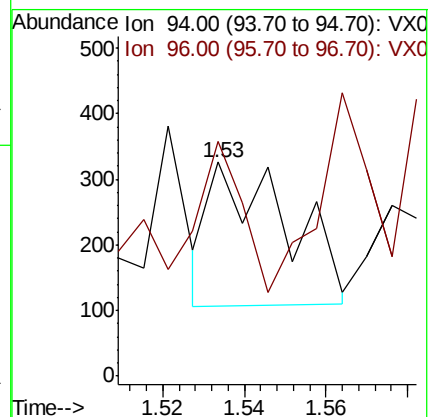
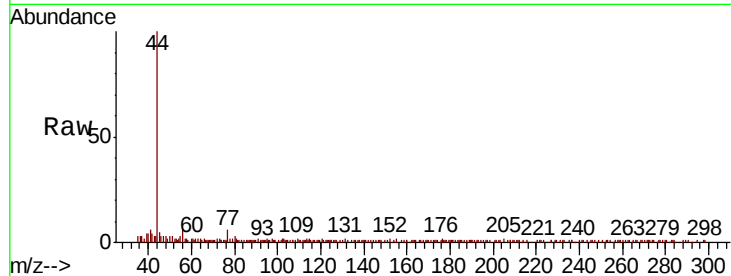
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 291

Ion Ratio Lower Upper

94 100

96 101.5 74.4 111.6



#6

Chloroethane

Concen: 104.421 ug/l

RT: 1.58 min Scan# 113

Delta R.T. -0.13 min

Lab File: VX014128.D

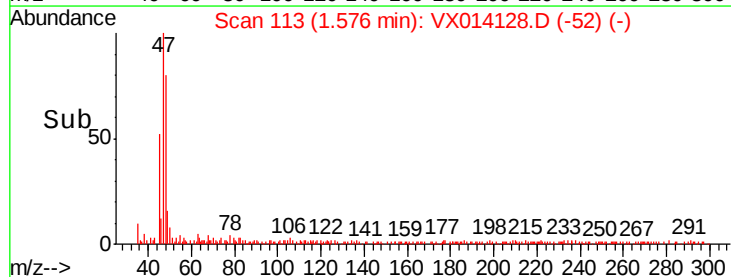
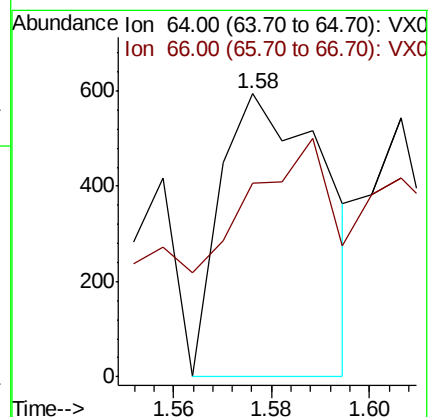
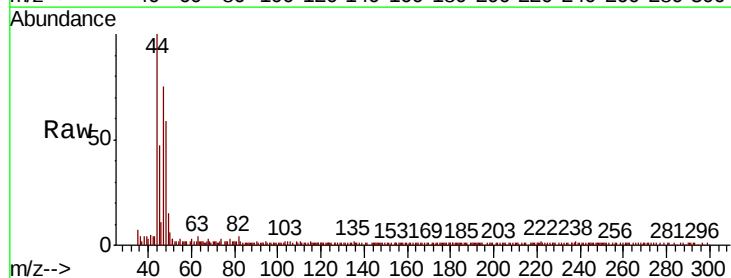
Acq: 19 Dec 2019 18:11

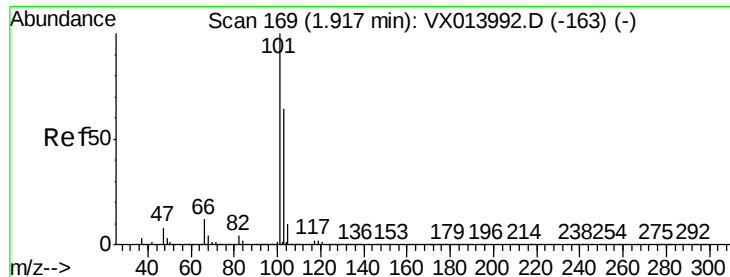
Tgt Ion: 64 Resp: 885

Ion Ratio Lower Upper

64 100

66 31.5 25.2 37.8



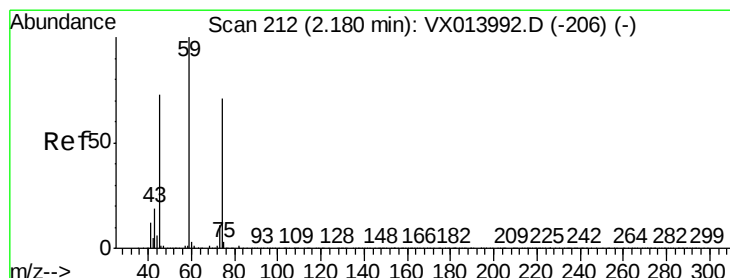
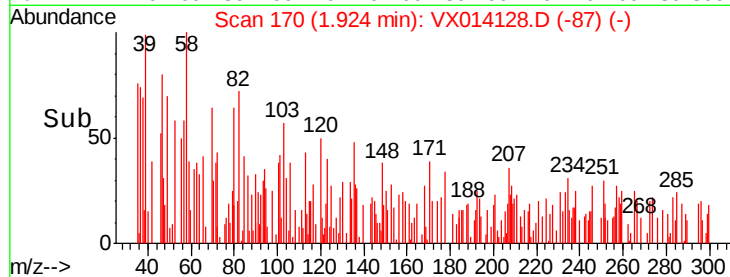
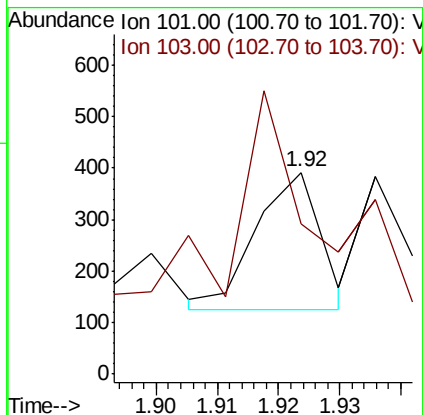
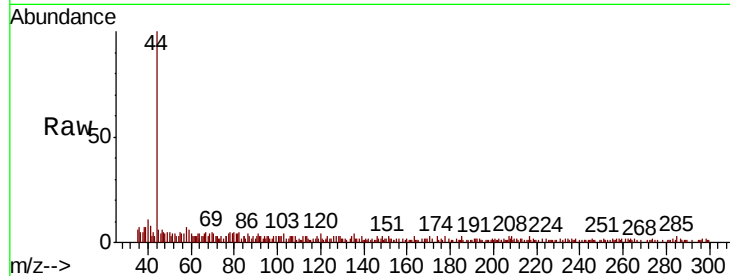


#7

Trichlorofluoromethane
 Concen: 11.362 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :

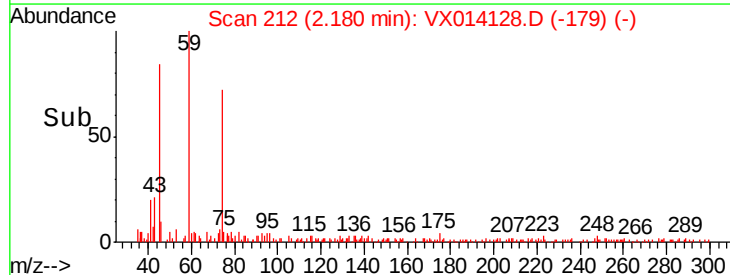
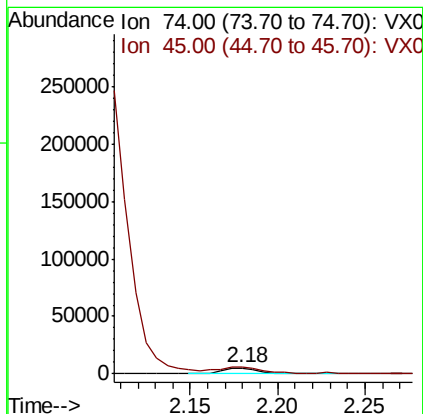
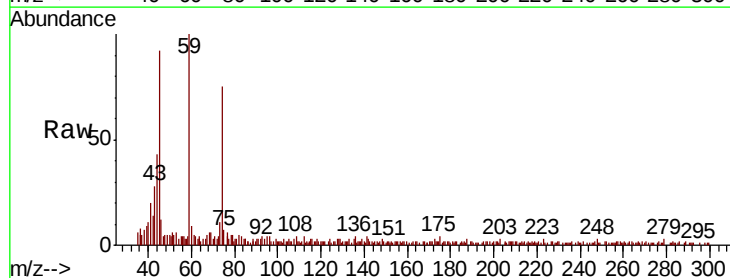
Tot Ion:101 Resp: 194
 Ion Ratio Lower Upper
 101 100
 103 24.4 51.6 77.4#

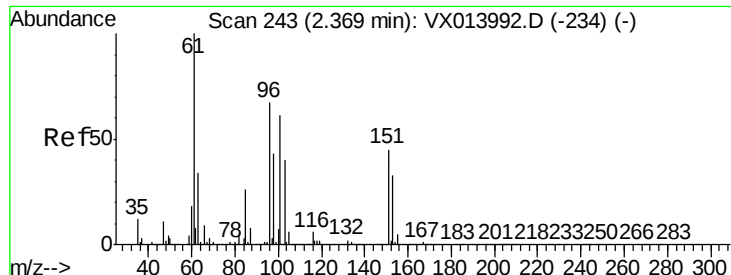


#8

Diethyl Ether
 Concen: 1047.285 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

Tgt Ion: 74 Resp: 8219
 Ion Ratio Lower Upper
 74 100
 45 119.0 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.159 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

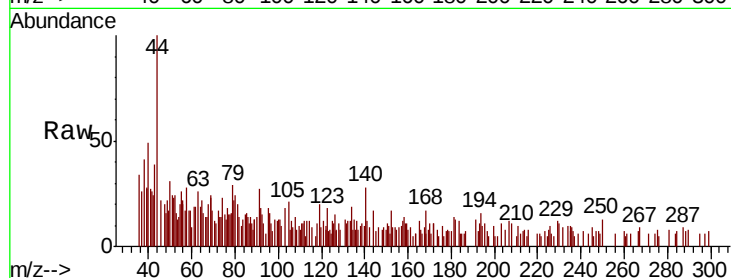
Tot Ion:101 Resp: 134

Ion Ratio Lower Upper

101 100

85 70.9 0.0 85.6

151 84.3 0.0 159.4



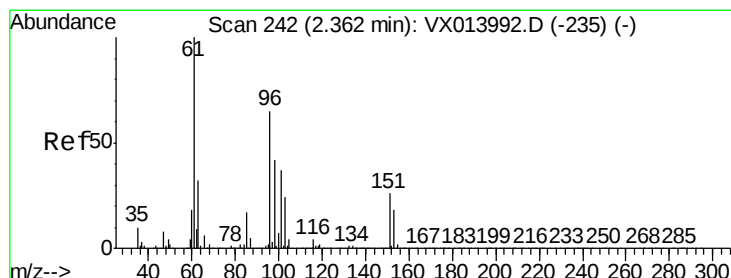
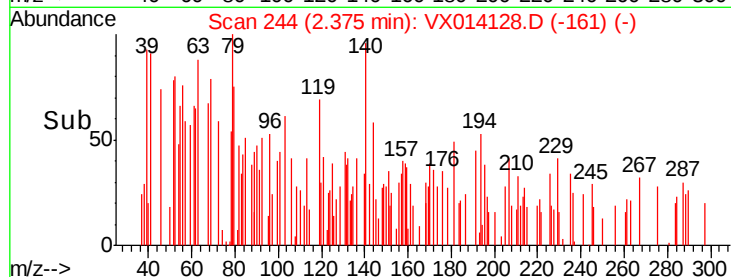
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V

Time-->

2.36 2.37 2.38 2.39 2.40



#10

1,1-Dichloroethene

Concen: 29.921 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

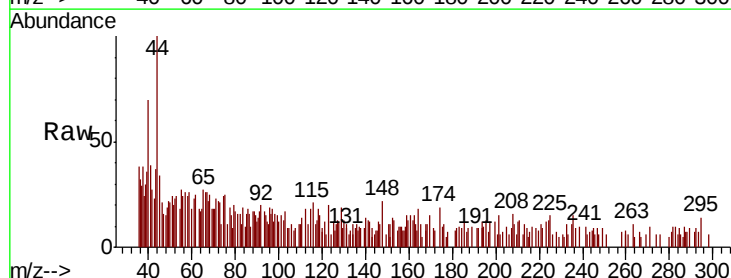
Tgt Ion: 96 Resp: 315

Ion Ratio Lower Upper

96 100

61 11.7 123.0 184.6#

98 68.8 51.4 77.0



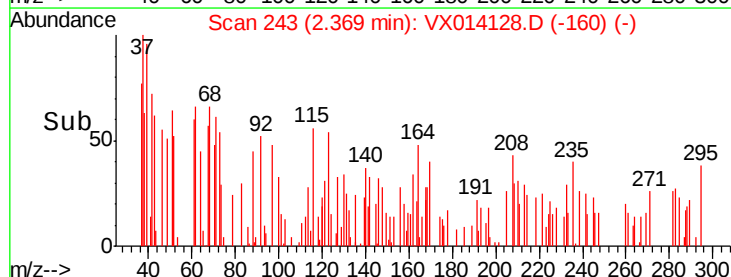
Abundance Ion 96.00 (95.70 to 96.70): VX0

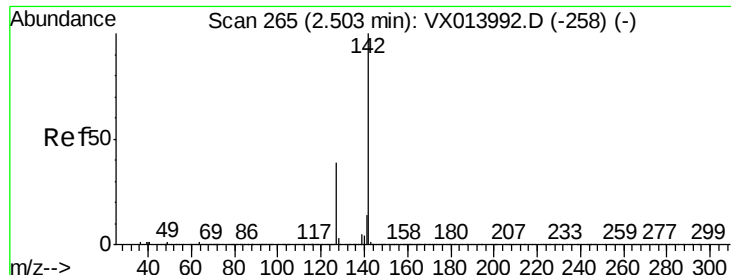
Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Time-->

2.36 2.37 2.38 2.39

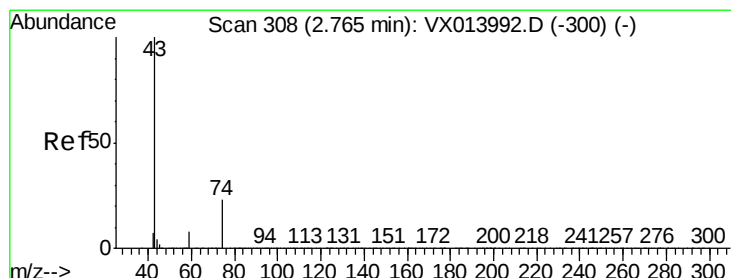
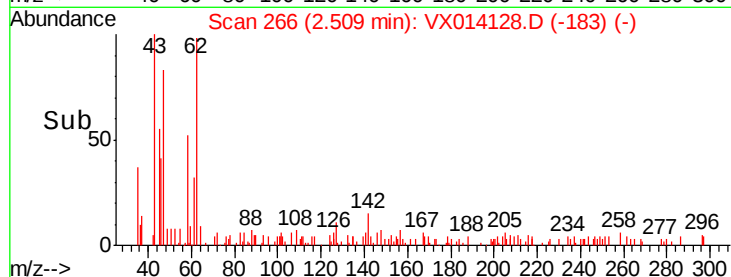
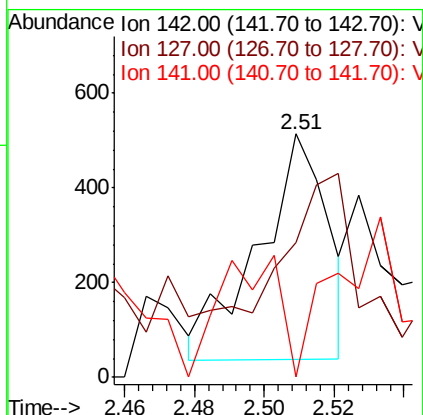
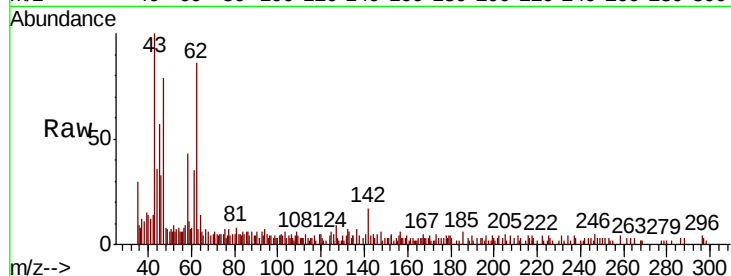




#11
Methyl Iodide
Concen: 48.405 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

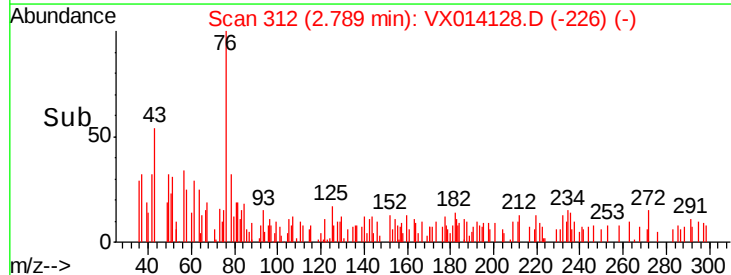
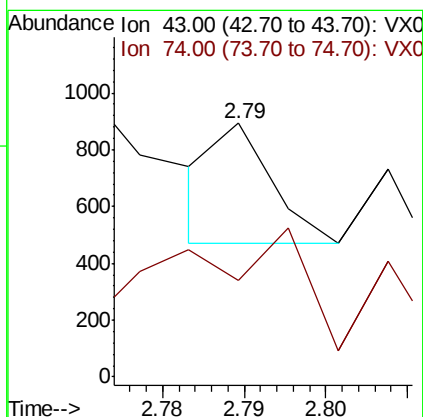
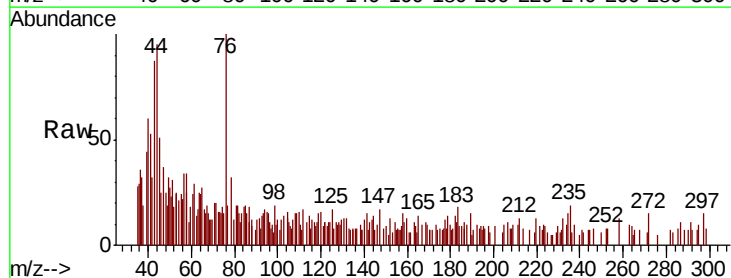
Instrument :
MSVOA_X
ClientSampleId :

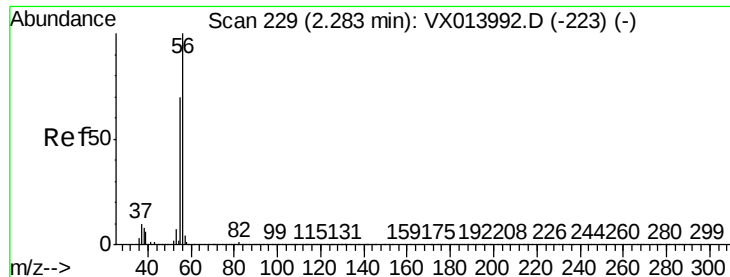
Tot Ion:142 Resp: 656
Ion Ratio Lower Upper
142 100
127 32.5 19.5 58.5
141 0.0 7.0 20.9#



#12
Methyl Acetate
Concen: 12.088 ug/l
RT: 2.79 min Scan# 312
Delta R.T. 0.02 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
74 25.0 18.5 27.7

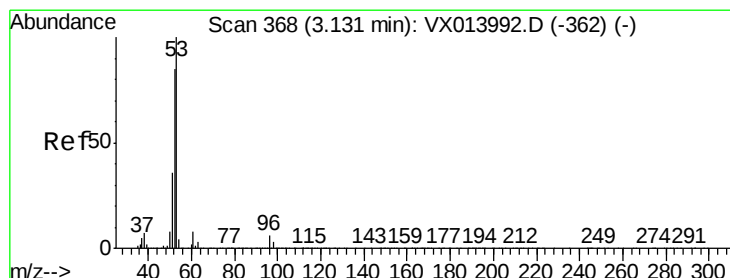
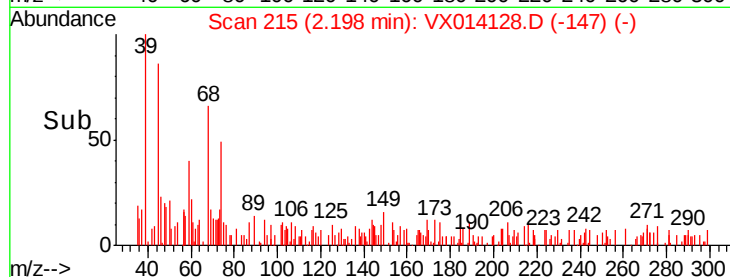
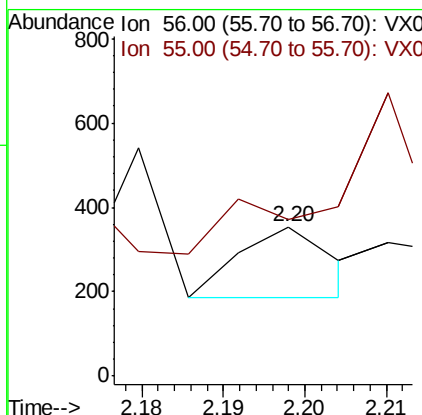
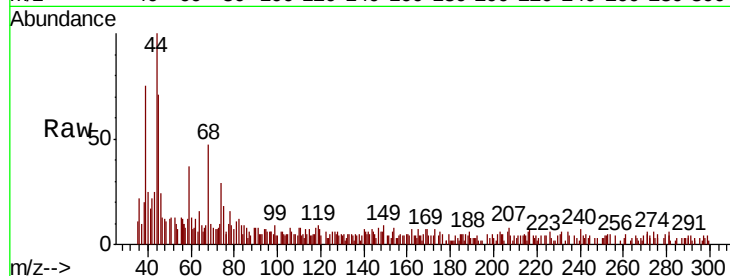




#13
Acrolein
Concen: 66.272 ug/l
RT: 2.20 min Scan# 215
Delta R.T. -0.09 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

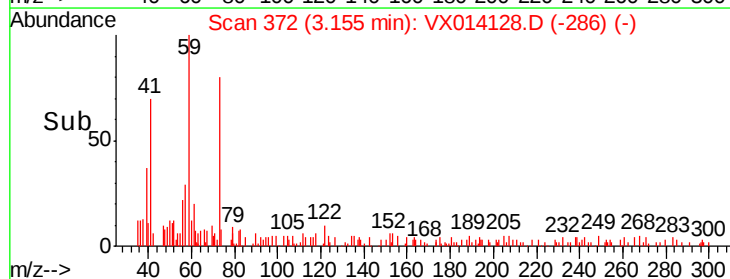
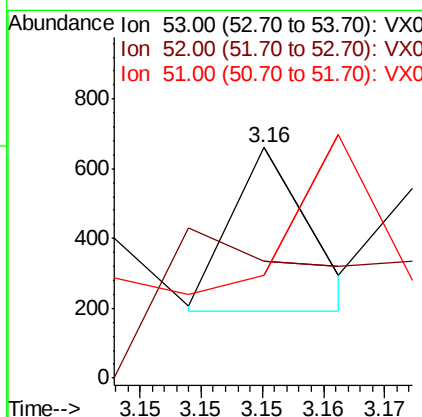
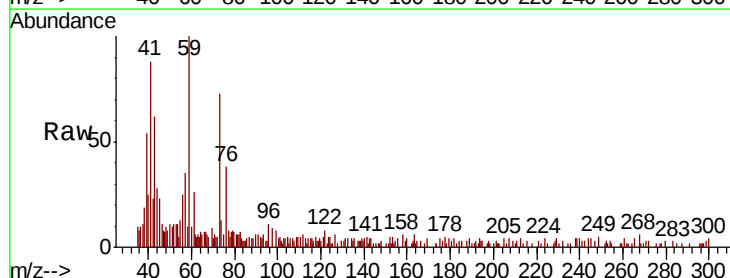
Instrument :
MSVOA_X
ClientSampled :

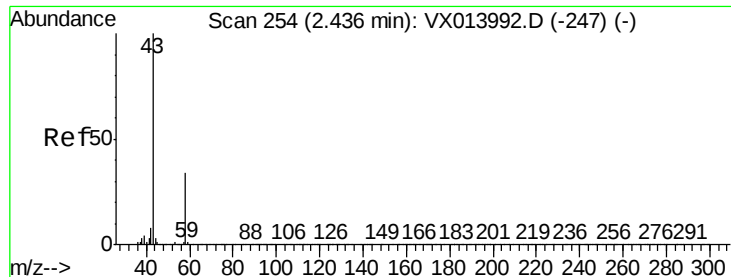
Tot Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 59.5 54.9 82.3



#14
Acrylonitrile
Concen: 32.804 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.02 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 53 Resp: 209
Ion Ratio Lower Upper
53 100
52 189.5 41.5 124.6#
51 108.6 17.8 53.5#





#15

Acetone

Concen: 264780.904 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

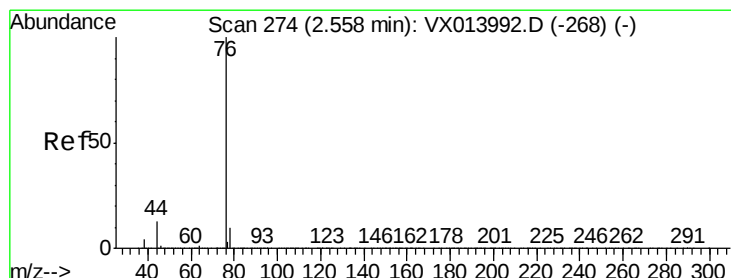
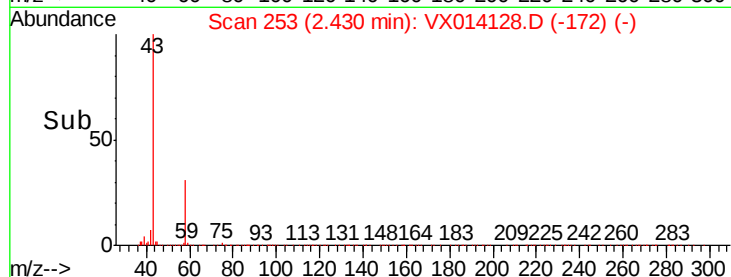
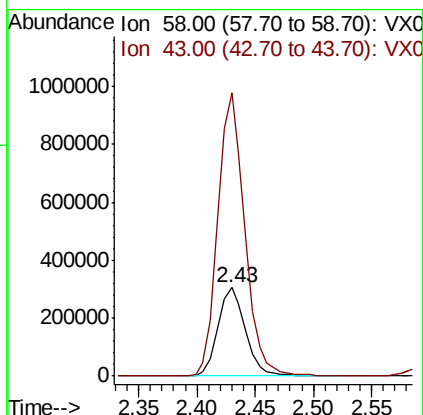
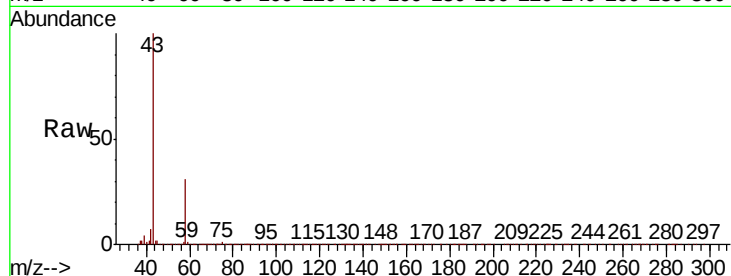
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 58 Resp: 495572

Ion Ratio Lower Upper

58 100

43 319.4 236.3 354.5



#16

Carbon Disulfide

Concen: 9507.174 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014128.D

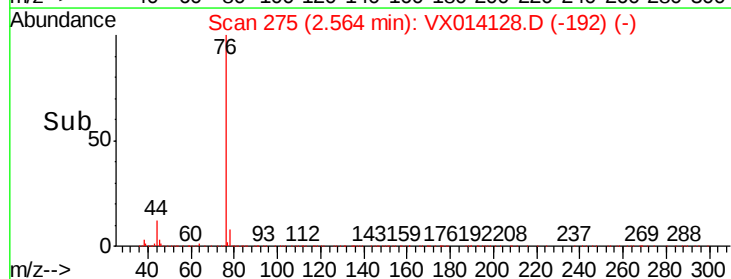
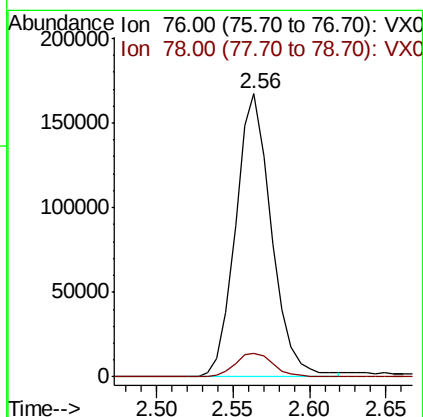
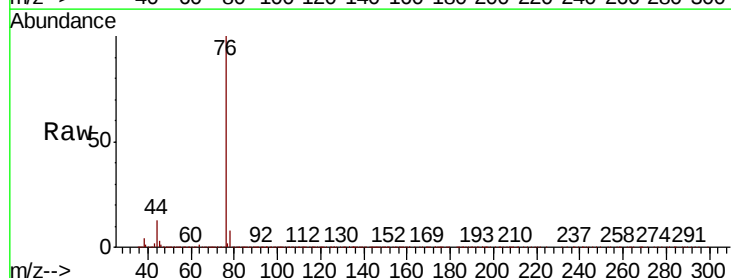
Acq: 19 Dec 2019 18:11

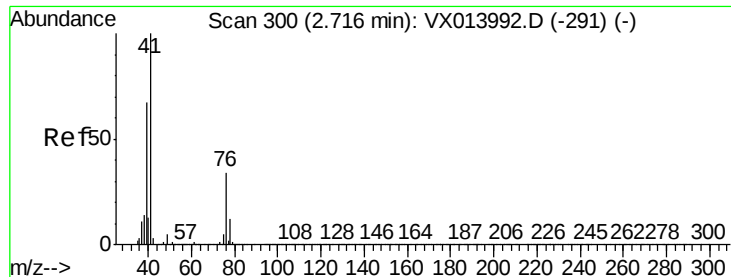
Tgt Ion: 76 Resp: 271135

Ion Ratio Lower Upper

76 100

78 8.3 7.8 11.8

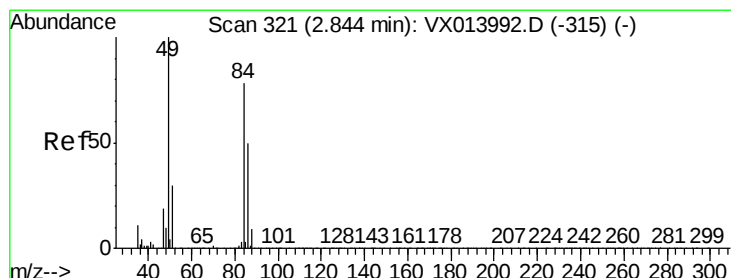
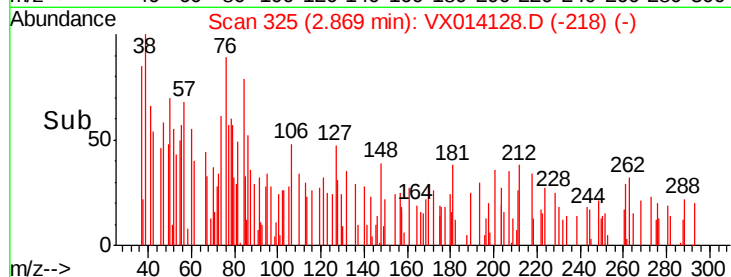
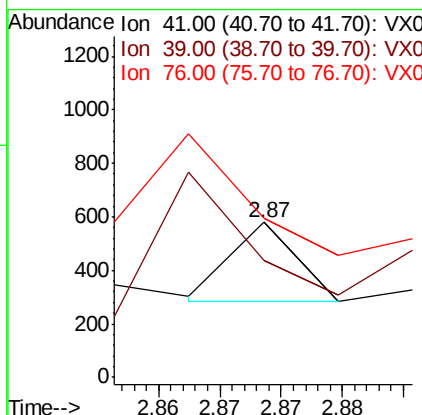
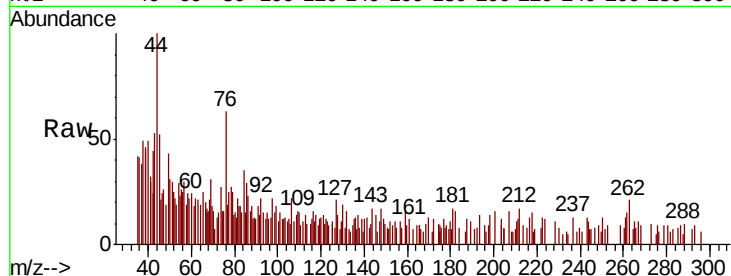




#17
Allvl chloride
Concen: 5.656 ug/l
RT: 2.87 min Scan# 325
Delta R.T. 0.15 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

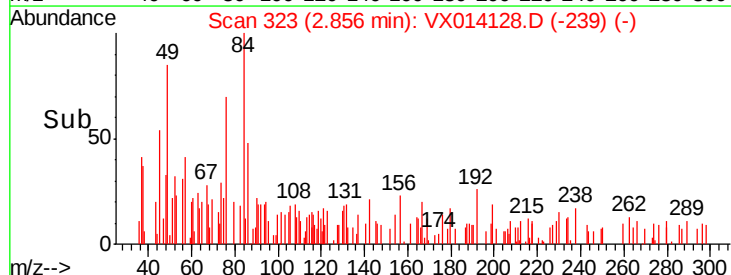
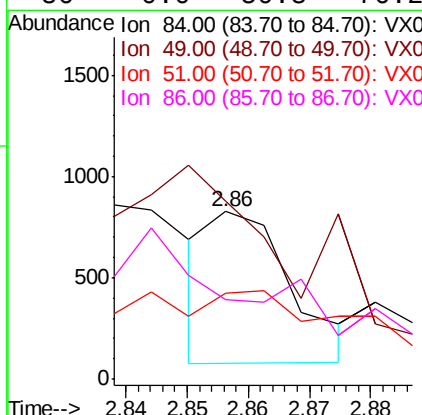
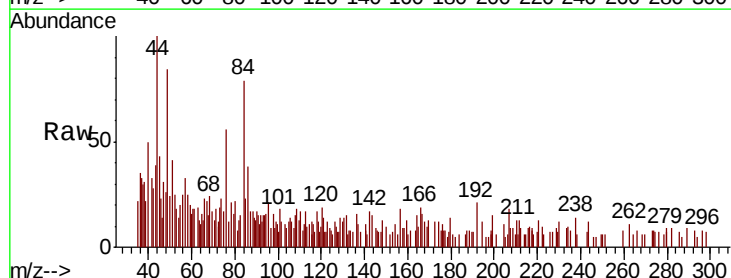
Instrument :
MSVOA_X
ClientSampled :

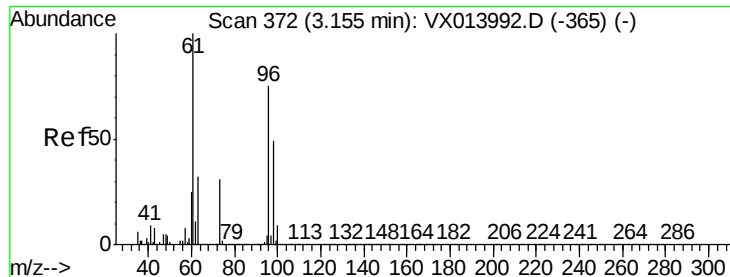
Tot Ion: 41 Resp: 107
Ion Ratio Lower Upper
41 100
39 44.0 33.4 100.2
76 47.4 17.0 50.9



#18
Methylene Chloride
Concen: 52.947 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 84 Resp: 683
Ion Ratio Lower Upper
84 100
49 11.7 102.2 153.2#
51 20.7 31.4 47.0#
86 0.0 50.8 76.2#





#19

trans-1,2-Dichloroethene

Concen: 43.459 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

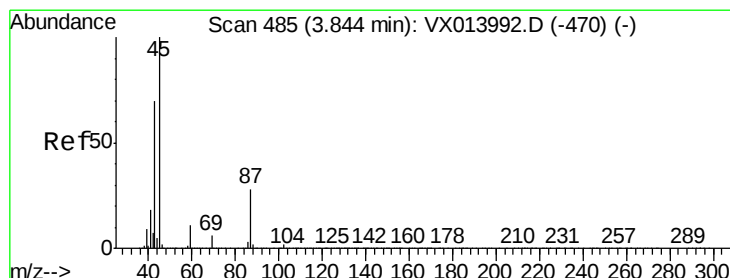
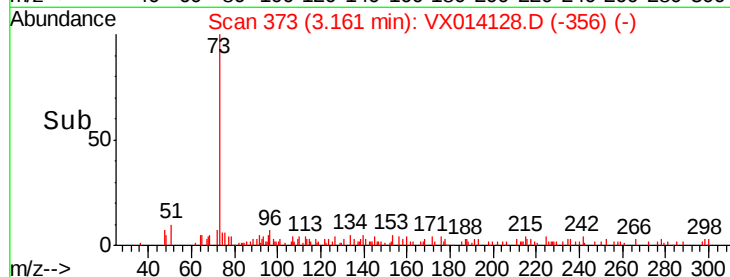
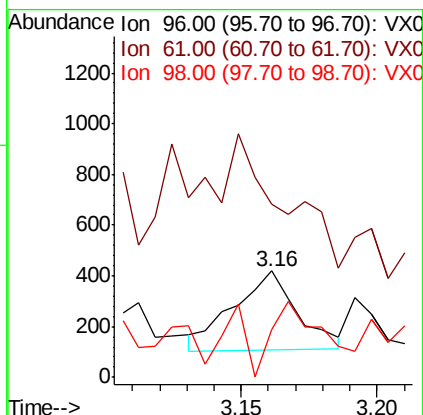
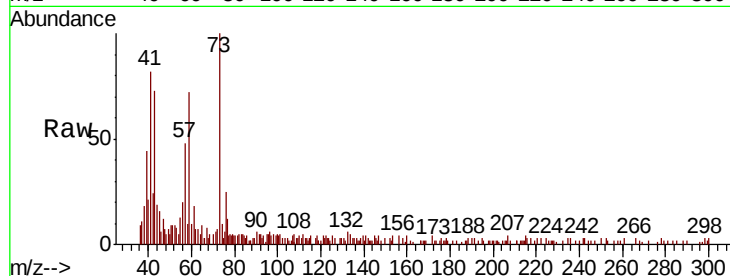
Tot Ion: 96 Resp: 501

Ion Ratio Lower Upper

96 100

61 95.0 106.6 159.8#

98 24.8 51.6 77.4#



#20

Diisopropyl ether

Concen: 8.089 ug/l

RT: 3.86 min Scan# 488

Delta R.T. 0.02 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Tgt Ion: 45 Resp: 314

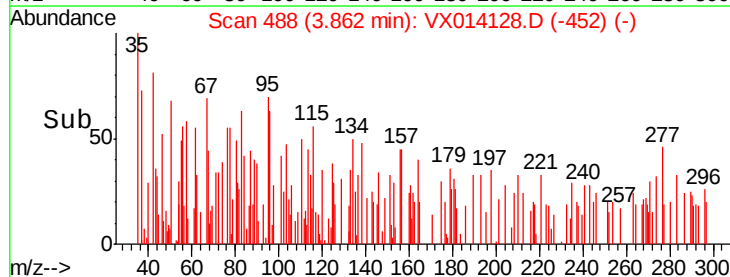
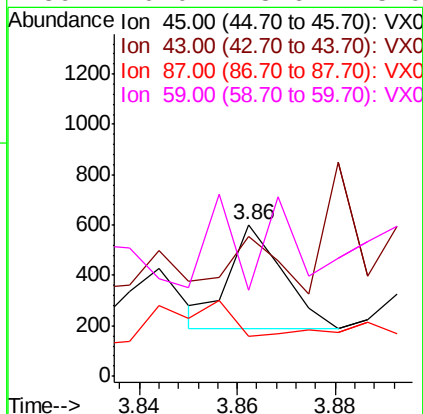
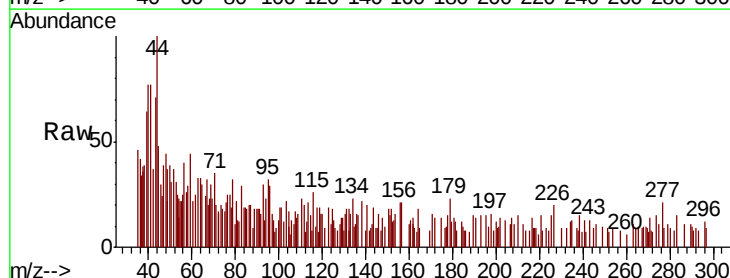
Ion Ratio Lower Upper

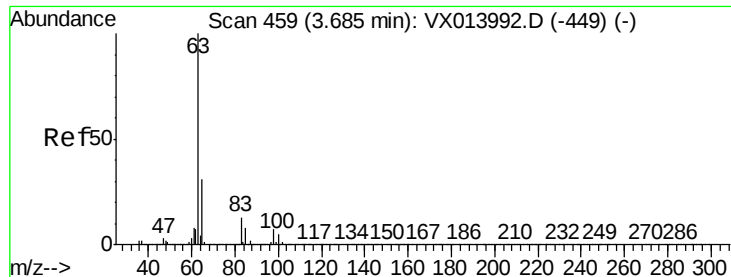
45 100

43 42.2 55.9 83.9#

87 0.0 22.2 33.2#

59 0.0 8.6 13.0#





#21

1,1-Dichloroethane

Concen: 12.721 ug/l

RT: 3.72 min Scan# 464

Delta R.T. 0.03 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :
MSVOA_X
ClientSampled :

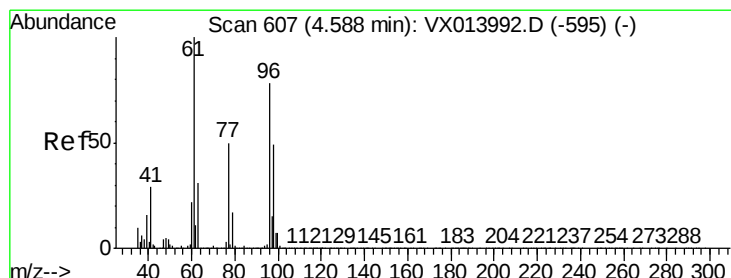
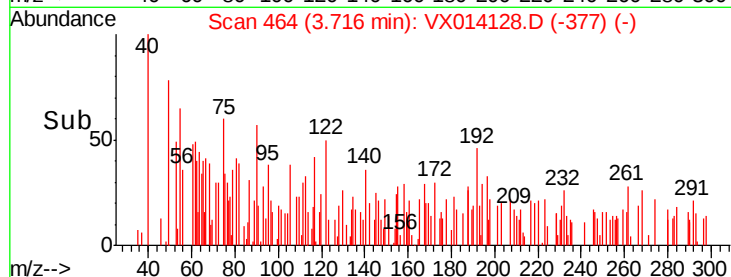
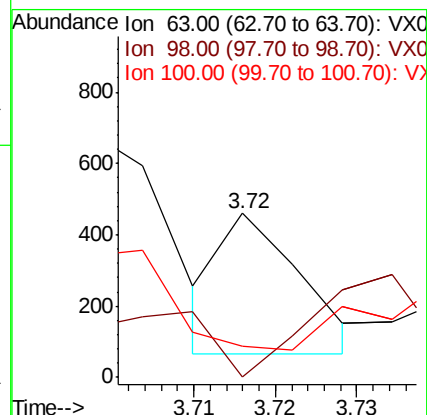
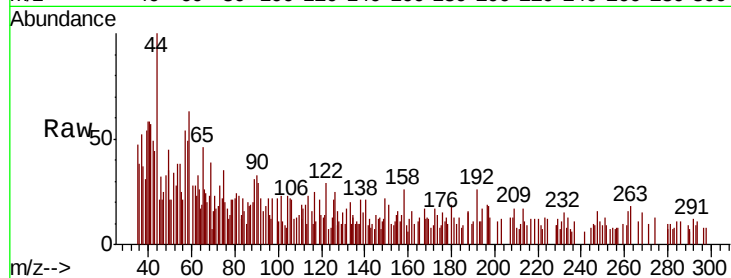
Tot Ion: 63 Resp: 268

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

100 0.0 2.5 7.4#



#22

cis-1,2-Dichloroethene

Concen: 475.454 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

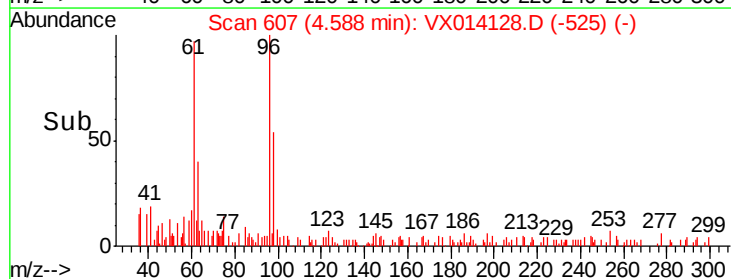
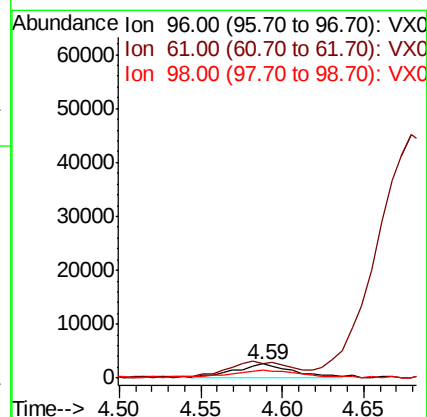
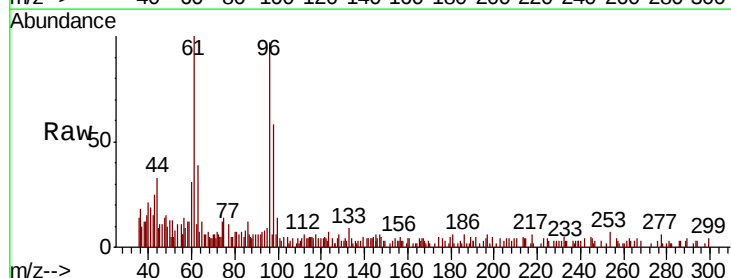
Tgt Ion: 96 Resp: 6354

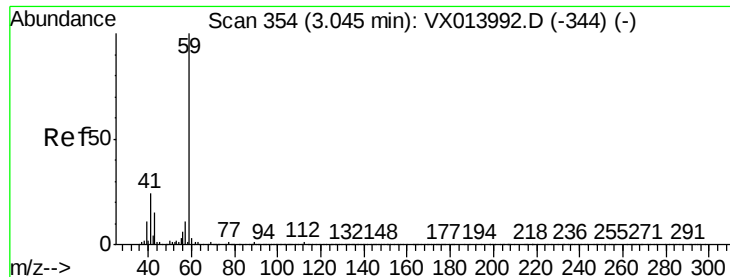
Ion Ratio Lower Upper

96 100

61 122.7 112.4 168.6

98 18.3 50.3 75.5#





#23

tert-Butyl Alcohol

Concen: 1856829.738 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.02 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

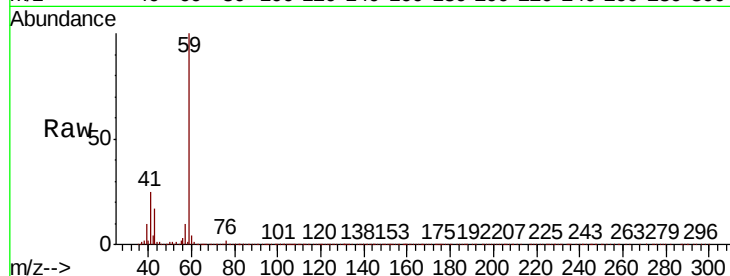
ClientSampleId :

Tot Ion: 59 Resp: 4640181

Ion Ratio Lower Upper

59 100

52 0.2 0.2 0.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

2500000

2000000

1500000

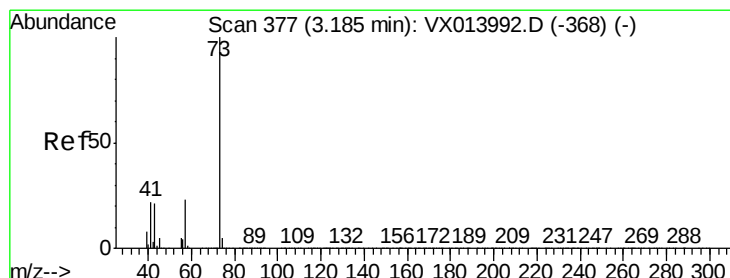
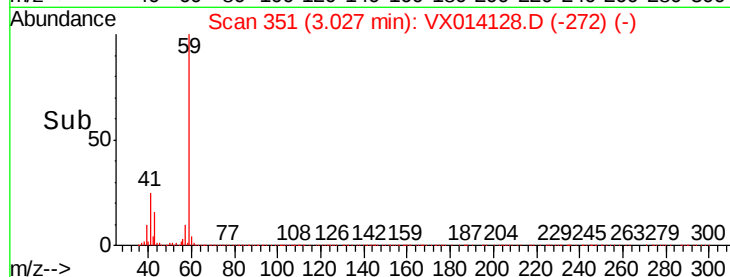
1000000

500000

0

Time-->

2.90 3.00 3.10 3.20



#24

Methyl tert-Butyl Ether

Concen: 736.289 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.00 min

Lab File: VX014128.D

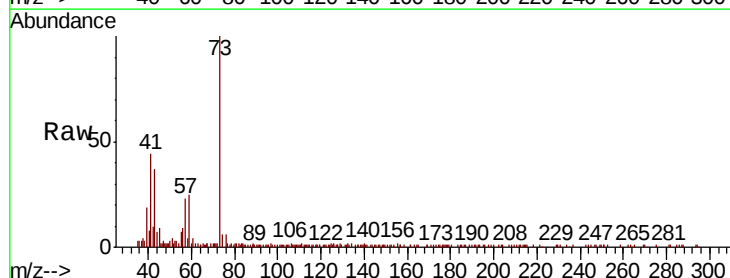
Acq: 19 Dec 2019 18:11

Tgt Ion: 73 Resp: 26184

Ion Ratio Lower Upper

73 100

43 37.0 16.6 25.0#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

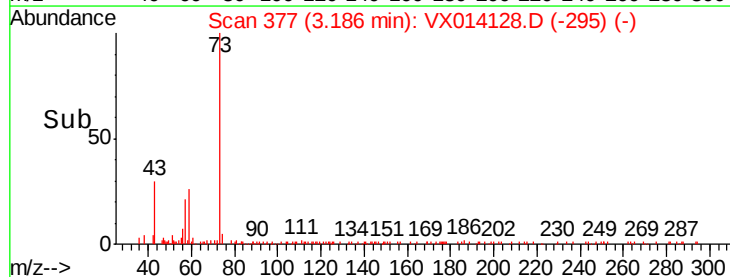
10000

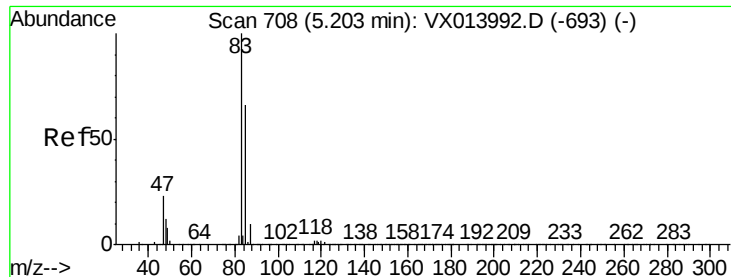
5000

0

Time-->

3.10 3.15 3.20 3.25





#25

Chloroform

Concen: 11.700 ug/l

RT: 5.42 min Scan# 744

Delta R.T. 0.22 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

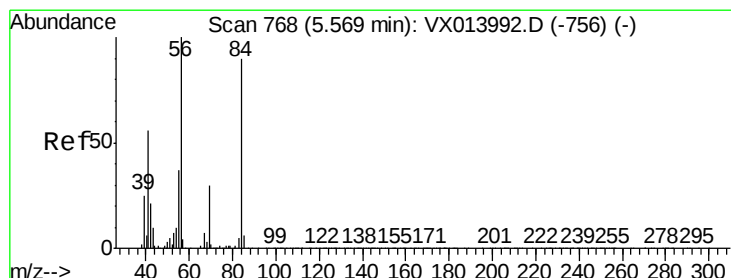
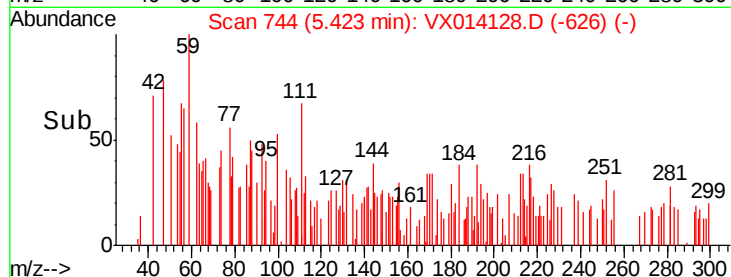
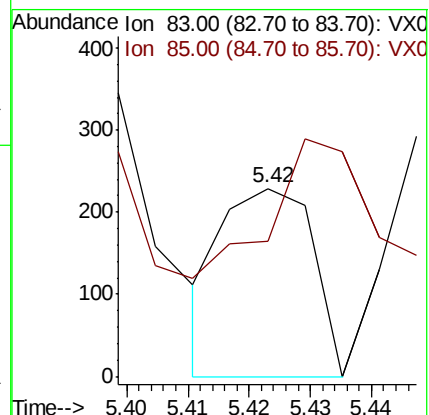
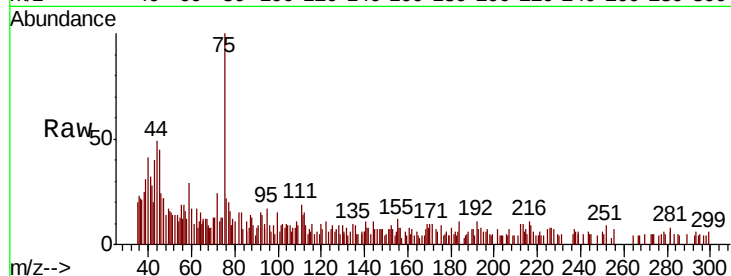
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 235

Ion Ratio Lower Upper

83 100

85 55.5 52.7 79.1



#26

Cyclohexane

Concen: 3.247 ug/l

RT: 5.59 min Scan# 772

Delta R.T. 0.02 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

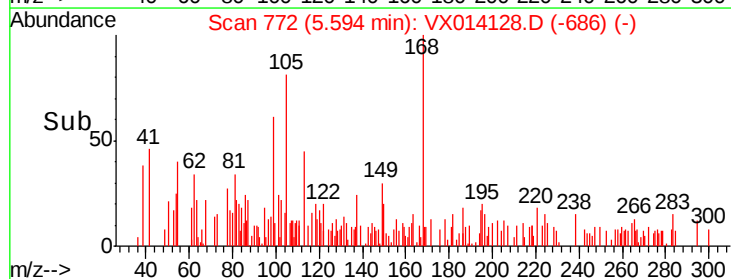
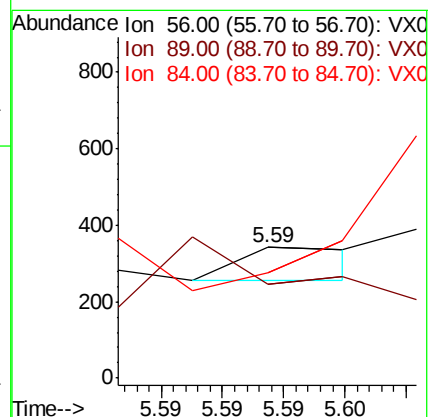
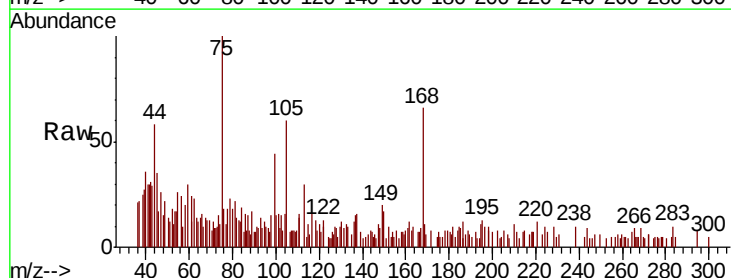
Tgt Ion: 56 Resp: 61

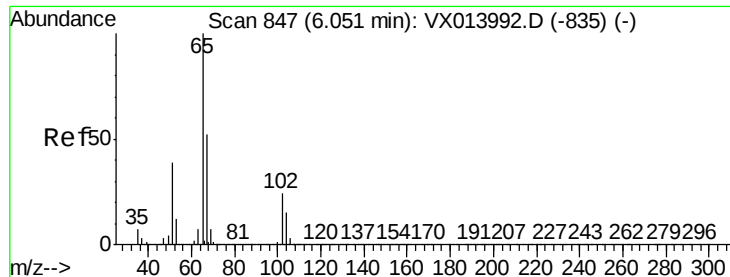
Ion Ratio Lower Upper

56 100

89 562.3 0.1 0.1#

84 132.8 70.8 106.2#



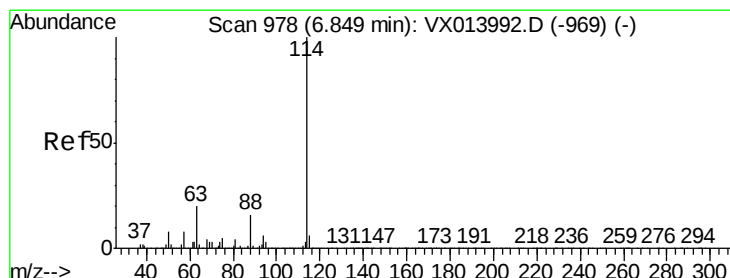
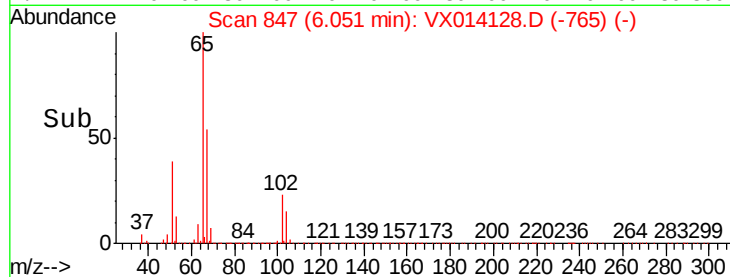
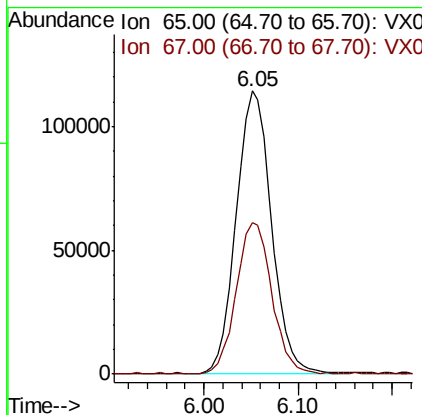
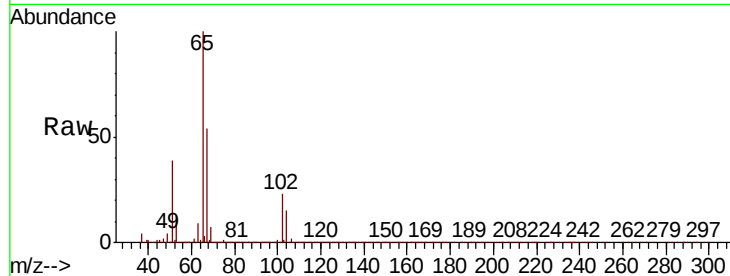


#27

1,2-Dichloroethane-d4
Concen: 22207.697 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Instrument :
MSVOA_X
ClientSampled :

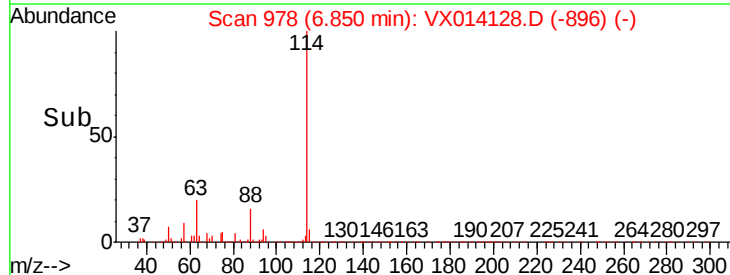
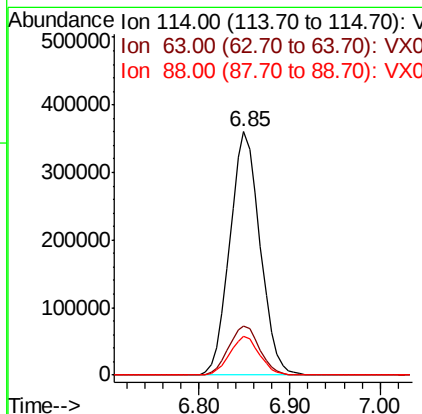
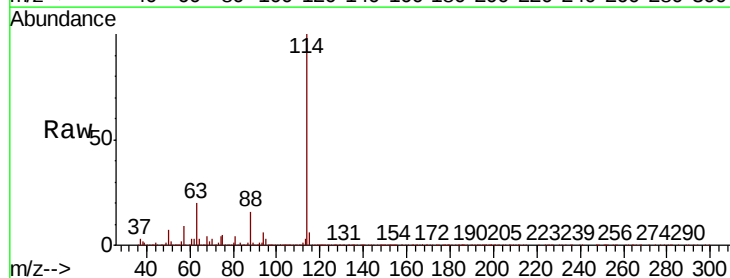
Tot Ion: 65 Resp: 299006
Ion Ratio Lower Upper
65 100
67 54.2 43.1 64.7

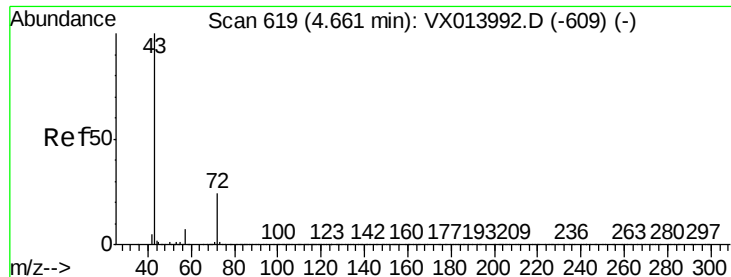


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 114 Resp: 832486
Ion Ratio Lower Upper
114 100
63 20.5 16.1 24.1
88 15.7 12.5 18.7

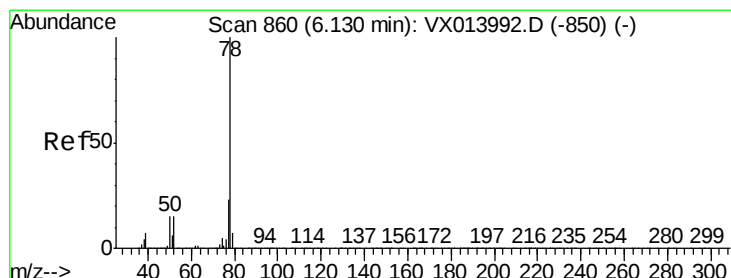
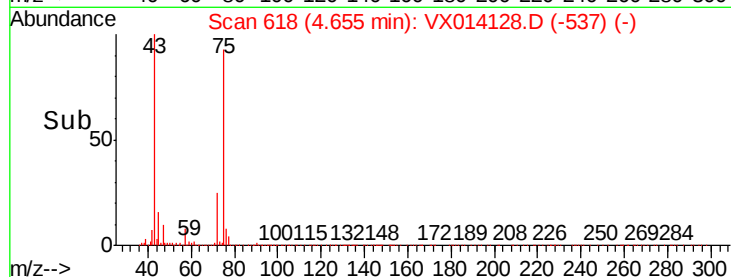
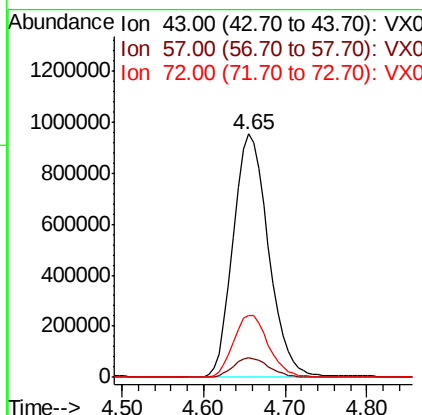
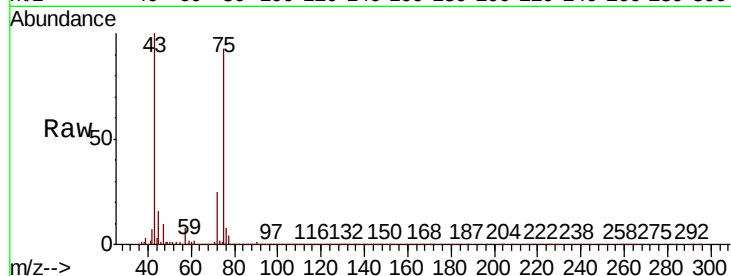




#30
2-Butanone
Concen: 403.956 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

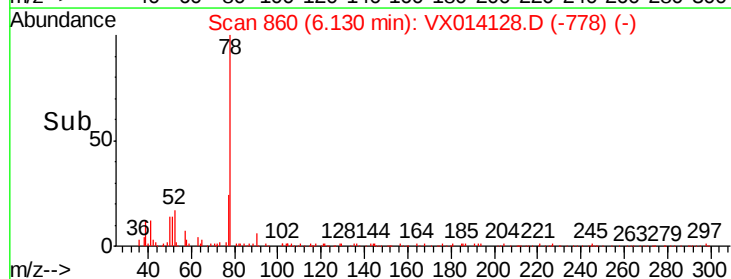
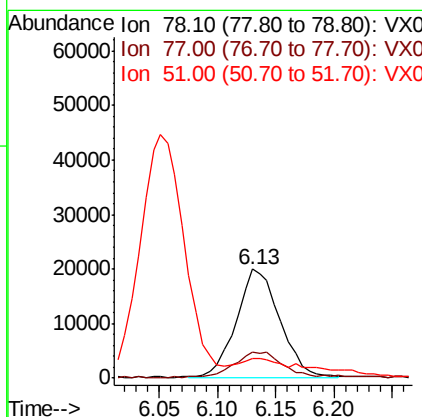
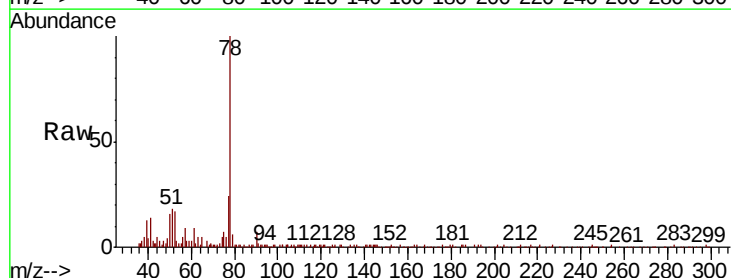
Instrument :
MSVOA_X
ClientSampleId :

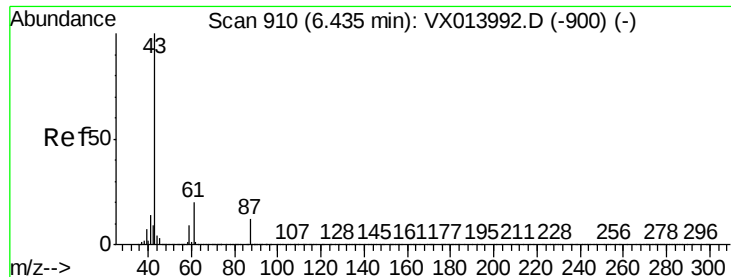
Tot Ion: 43 Resp: 2863160
Ion Ratio Lower Upper
43 100
57 8.1 6.2 9.2
72 25.3 20.3 30.5



#34
Benzene
Concen: 1.378 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 78 Resp: 51654
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.2
51 11.0 12.4 18.6#



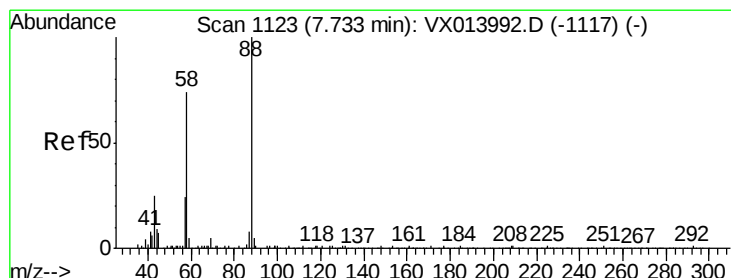
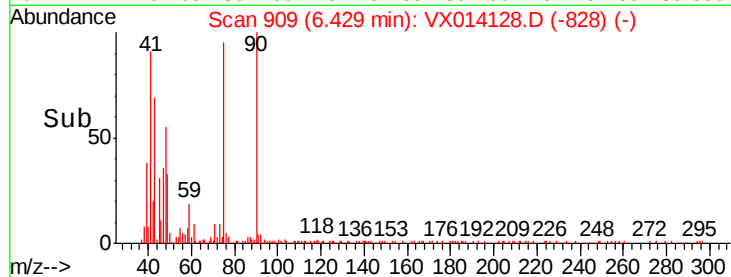
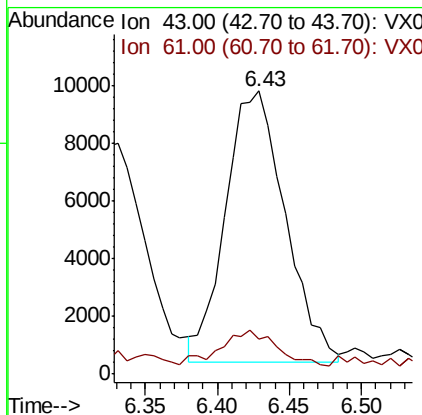
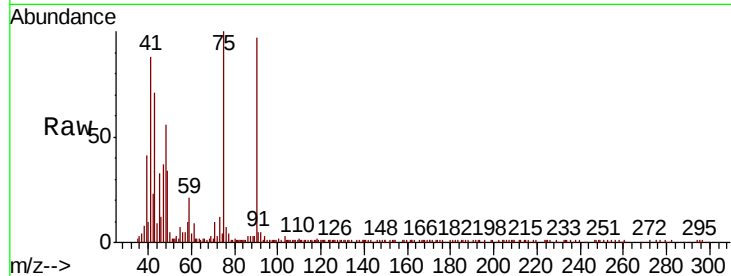


#44

Isopropyl Acetate
 Concen: 1.188 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :

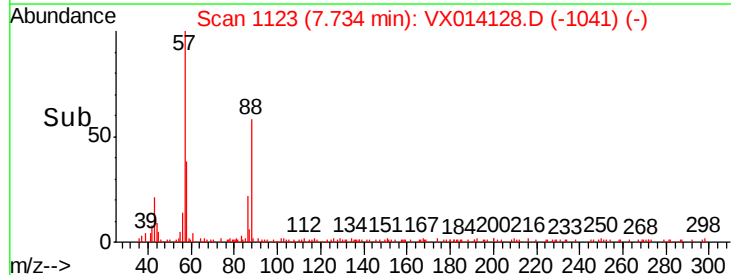
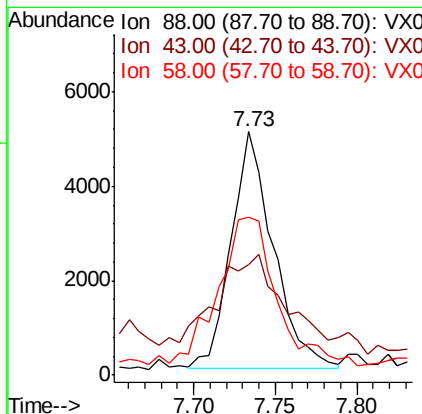
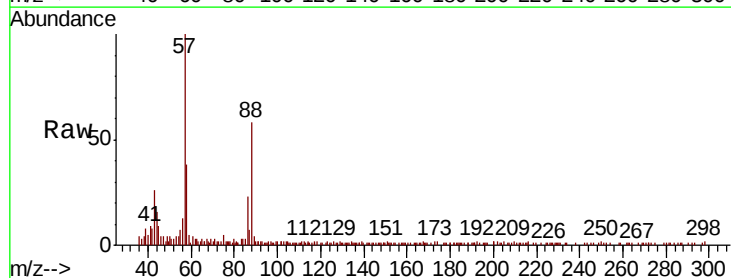
Tot Ion: 43 Resp: 27063
 Ion Ratio Lower Upper
 43 100
 61 11.3 15.9 23.9#

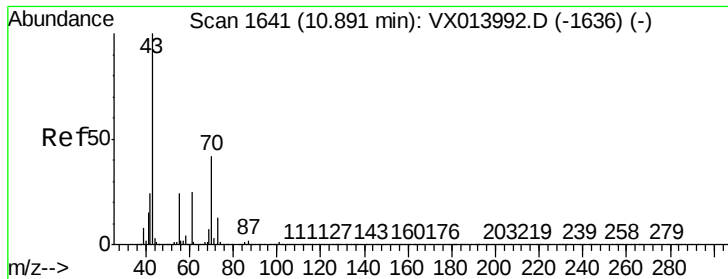


#45

1,4-Dioxane
 Concen: 42.398 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

Tgt Ion: 88 Resp: 9044
 Ion Ratio Lower Upper
 88 100
 43 32.5 25.4 38.2
 58 79.8 56.5 84.7





#47

n-amvl Acetate

Concen: 0.681 ug/l

RT: 10.94 min Scan# 1649

Delta R.T. 0.05 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

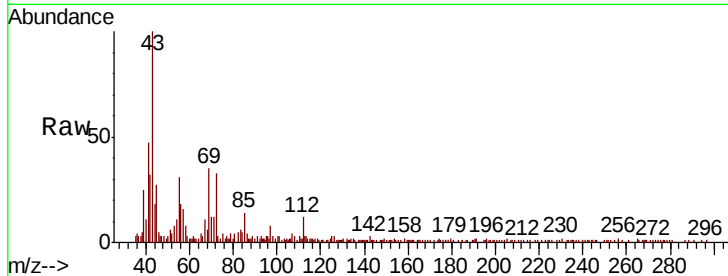
ClientSampled :

Tot Ion: 43 Resp: 13797

Ion Ratio Lower Upper

43 100

55 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10000

8000

6000

4000

2000

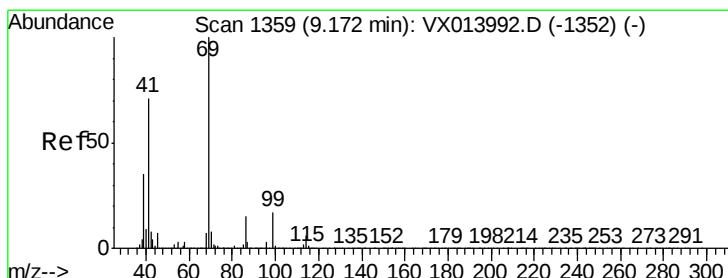
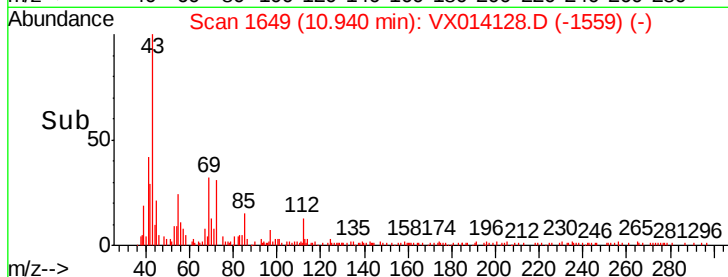
0

Time-->

10.90

10.95

11.00



#51

Ethyl methacrylate

Concen: 0.281 ug/l

RT: 9.09 min Scan# 1345

Delta R.T. -0.09 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

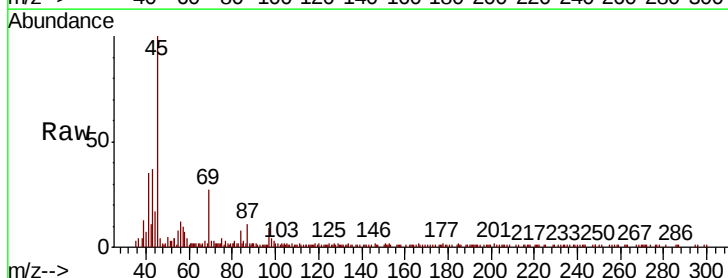
Tgt Ion: 69 Resp: 4288

Ion Ratio Lower Upper

69 100

41 89.8 35.4 106.1

39 27.6 17.8 53.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

4000

3000

2000

1000

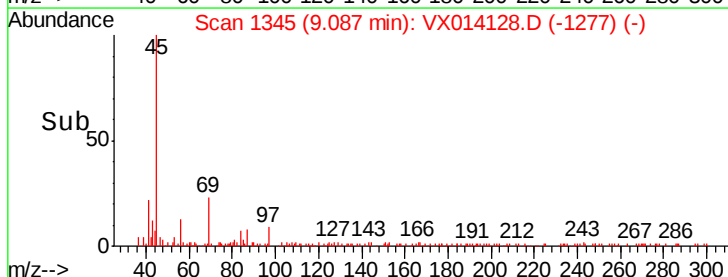
0

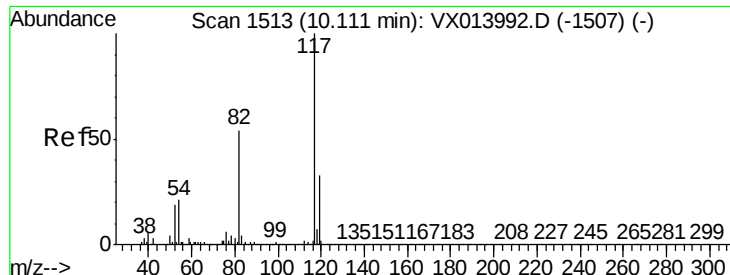
Time-->

9.05

9.10

9.15

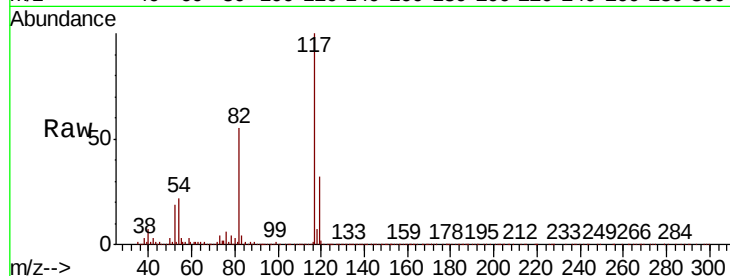




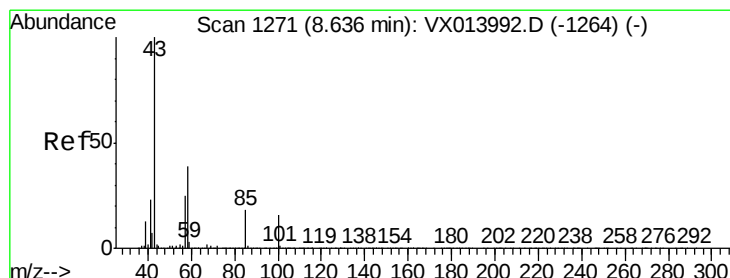
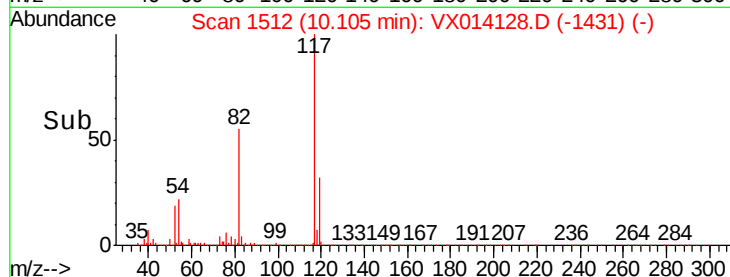
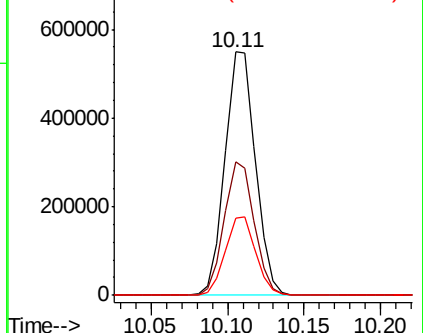
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.8	65.6
119	32.3	25.8	38.6

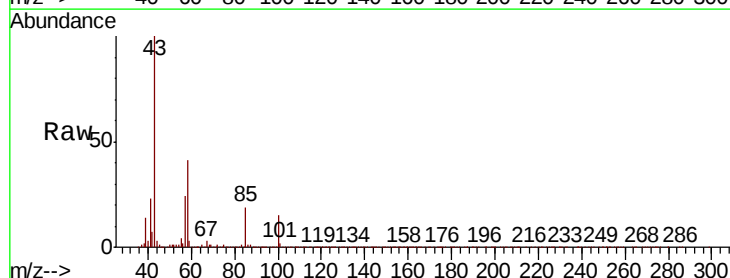


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

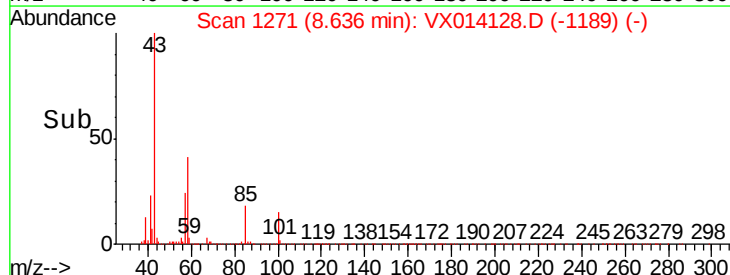
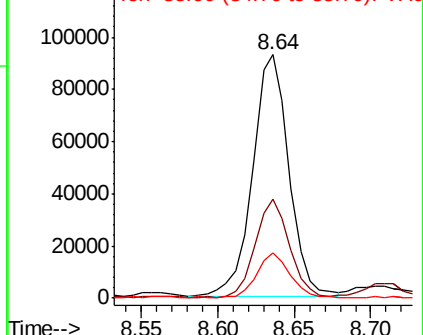


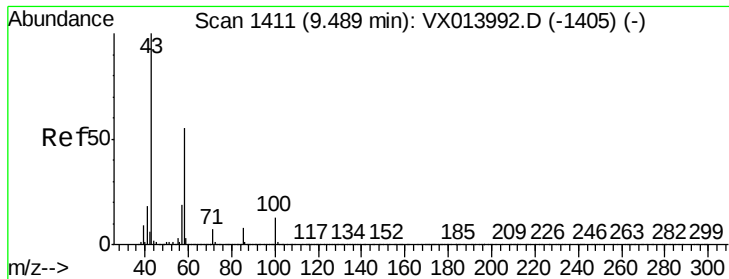
#58
4-Methyl-2-Pentanone
Concen: 10.700 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.4	31.2	46.8
85	17.4	14.2	21.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

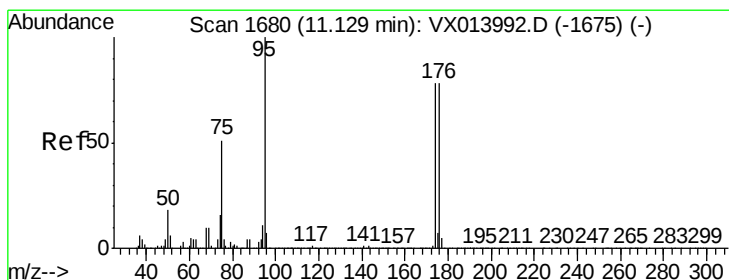
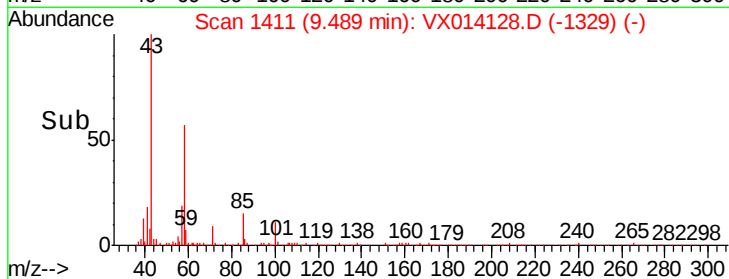
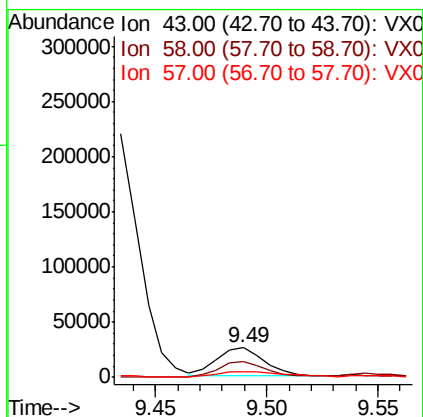
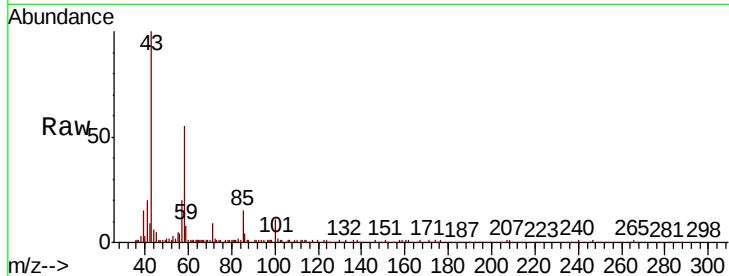




#59
2-Hexanone
Concen: 3.491 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

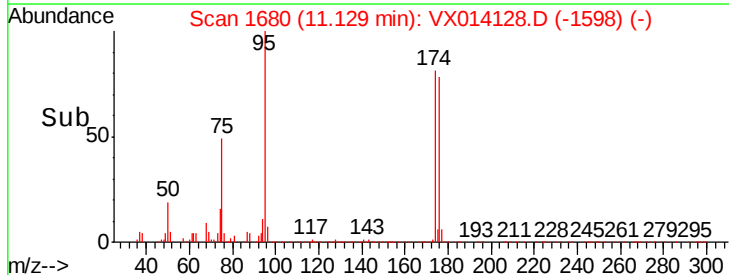
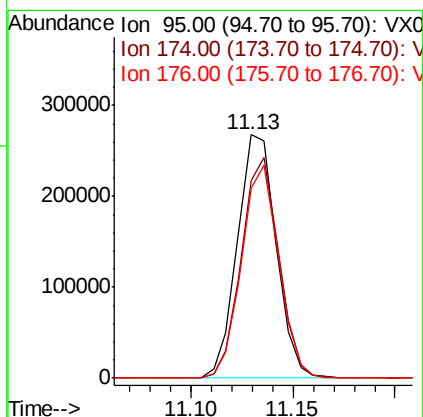
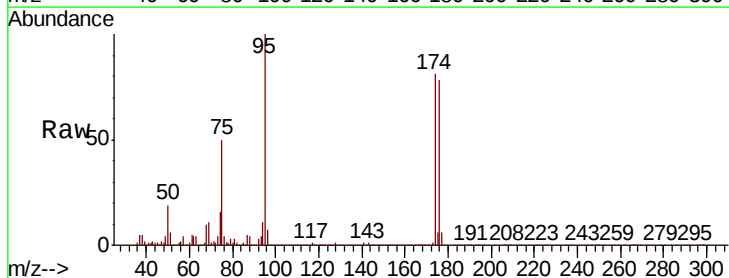
Instrument :
MSVOA_X
ClientSampleId :

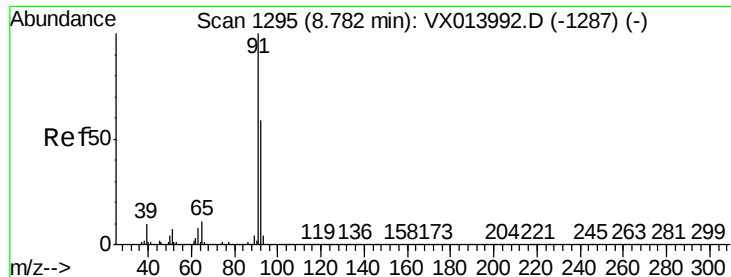
Tot Ion: 43 Resp: 37660
Ion Ratio Lower Upper
43 100
58 55.3 43.8 65.6
57 28.4 15.4 23.0#



#60
4-Bromofluorobenzene
Concen: 28.826 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 95 Resp: 353624
Ion Ratio Lower Upper
95 100
174 88.0 70.2 105.2
176 84.3 68.3 102.5





#62

Toluene

Concen: 6.111 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

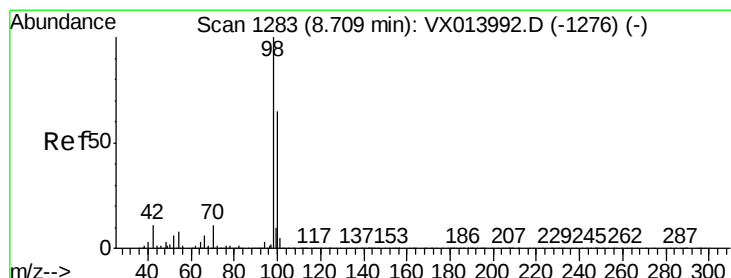
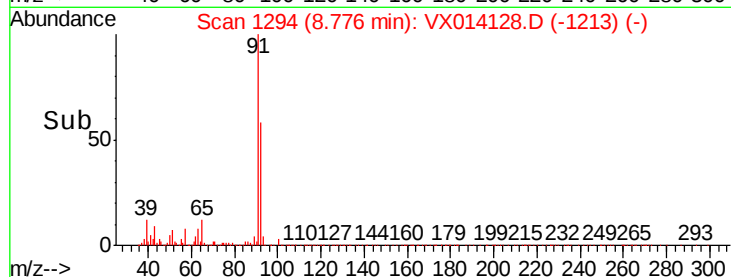
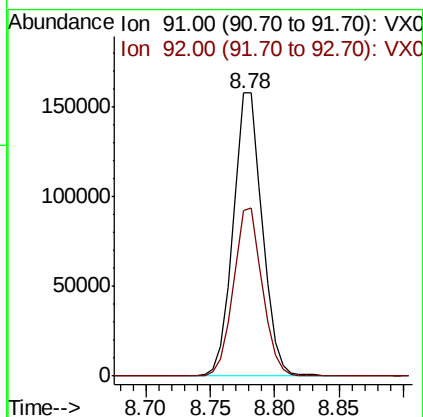
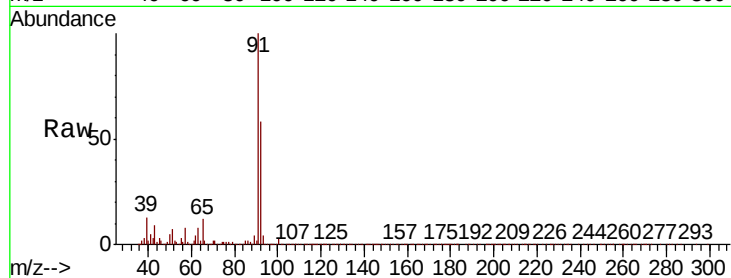
ClientSampleId :

Tot Ion: 91 Resp: 246907

Ion Ratio Lower Upper

91 100

92 59.1 46.4 69.6



#63

Toluene-d8

Concen: 29.663 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014128.D

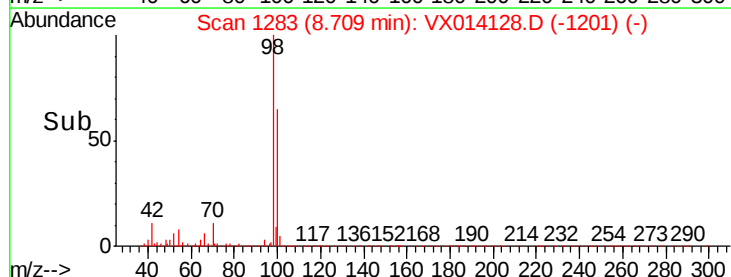
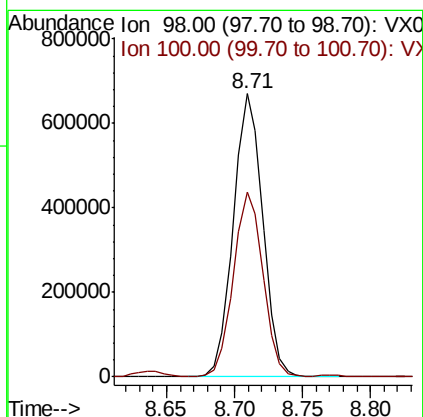
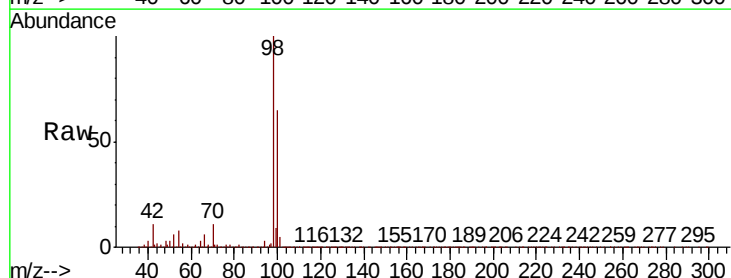
Acq: 19 Dec 2019 18:11

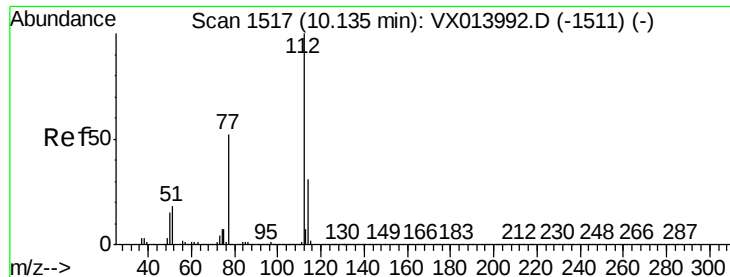
Tgt Ion: 98 Resp: 1007280

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2

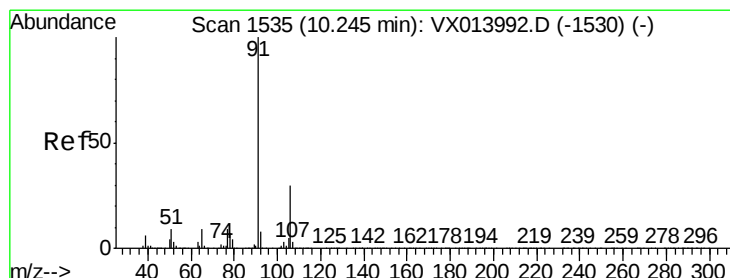
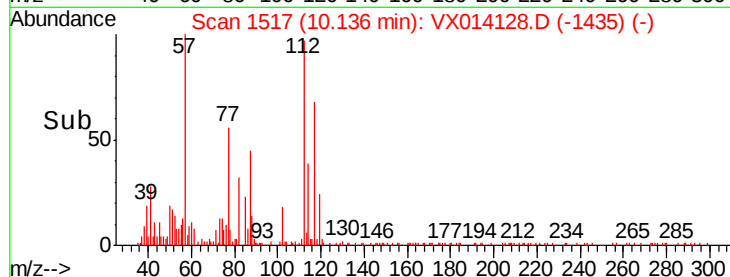
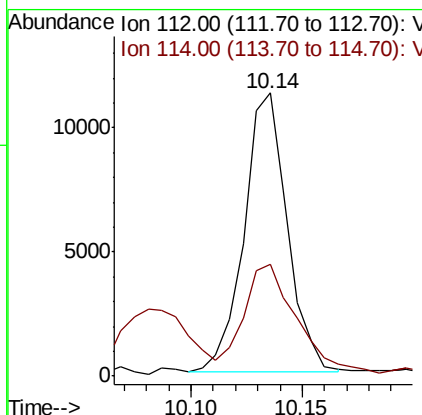
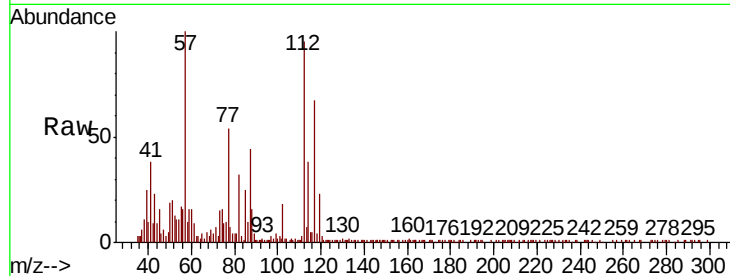




#64
Chlorobenzene
Concen: 0.602 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

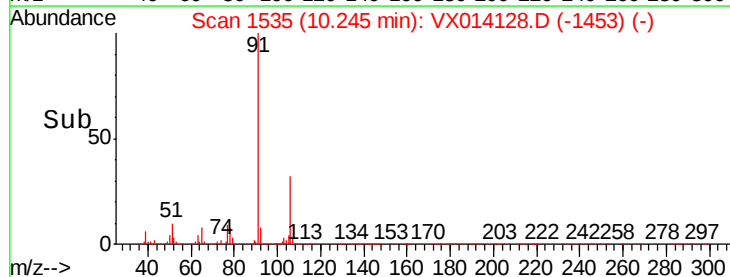
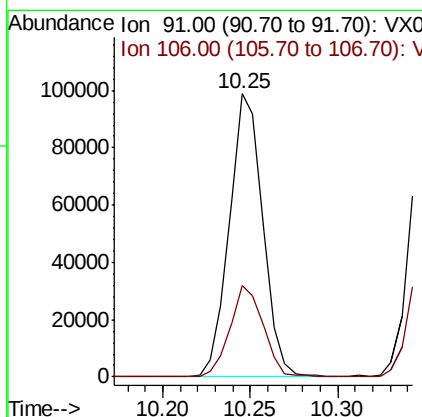
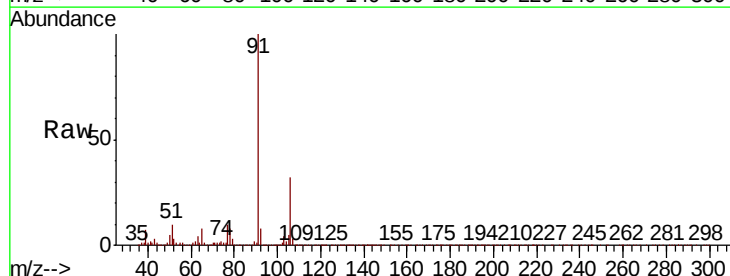
Instrument :
MSVOA_X
ClientSampleId :

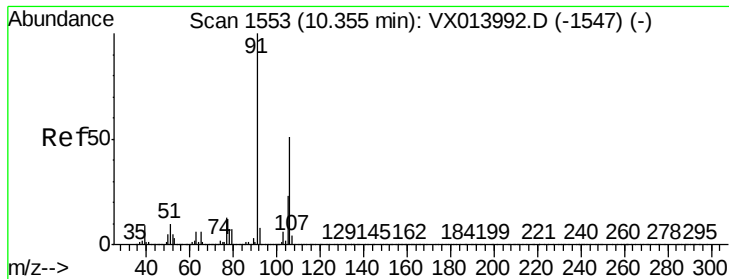
Tot Ion:112 Resp: 15237
Ion Ratio Lower Upper
112 100
114 35.7 24.4 36.6



#66
Ethyl Benzene
Concen: 2.944 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 91 Resp: 130188
Ion Ratio Lower Upper
91 100
106 32.3 24.2 36.2





#67

m/p-Xylenes

Concen: 4.692 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

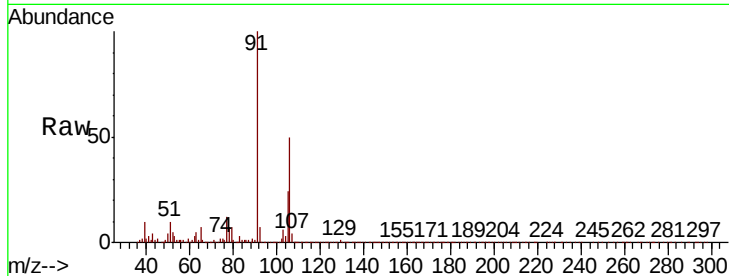
ClientSampleId :

Tot Ion:106 Resp: 79310

Ion Ratio Lower Upper

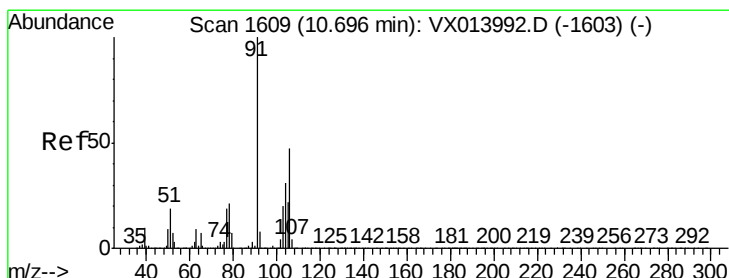
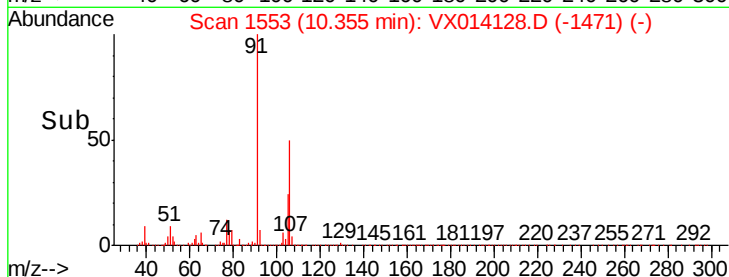
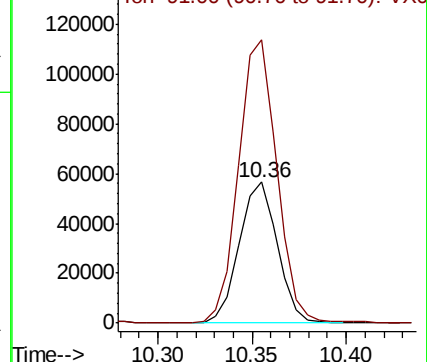
106 100

91 200.7 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 2.705 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014128.D

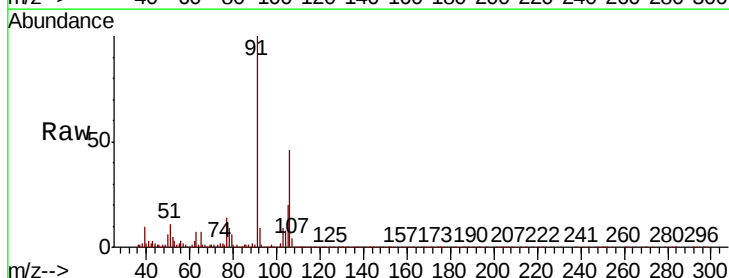
Acq: 19 Dec 2019 18:11

Tgt Ion:106 Resp: 45293

Ion Ratio Lower Upper

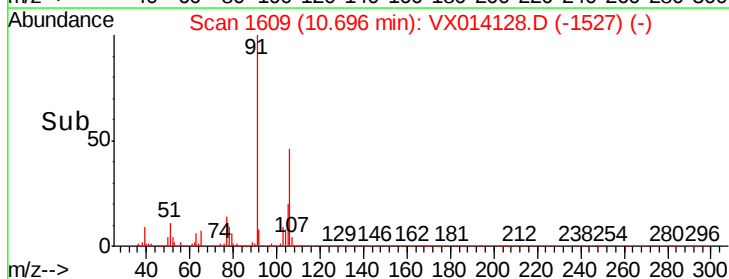
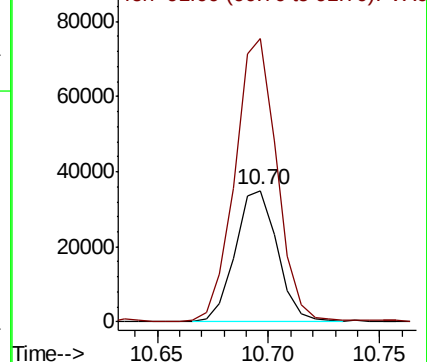
106 100

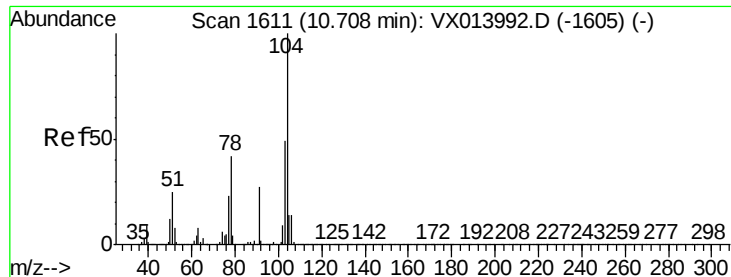
91 216.7 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

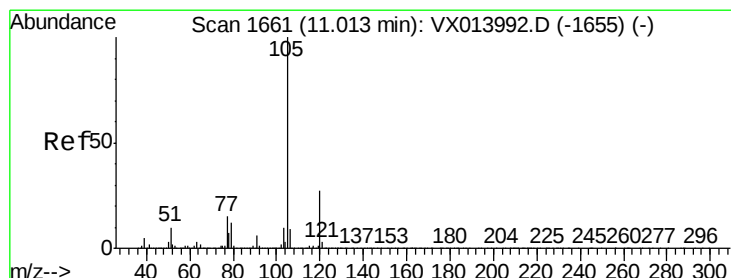
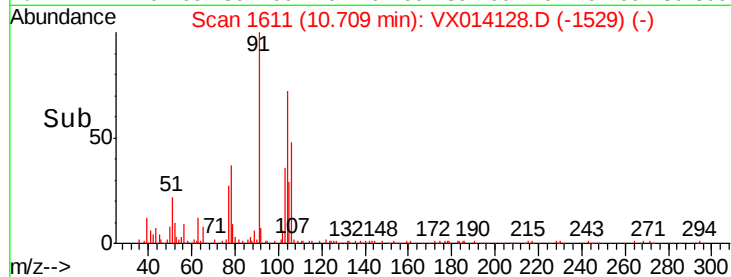
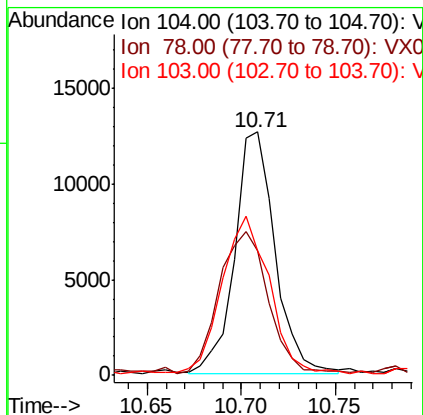
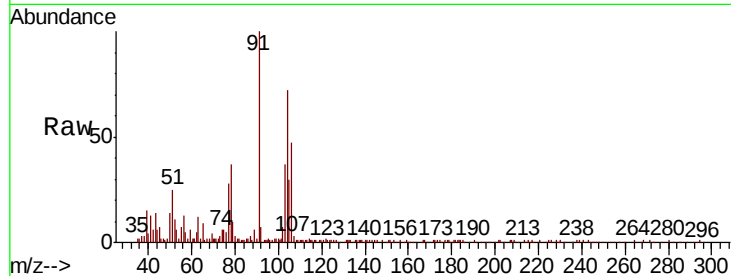




#69
Stvrene
Concen: 0.665 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

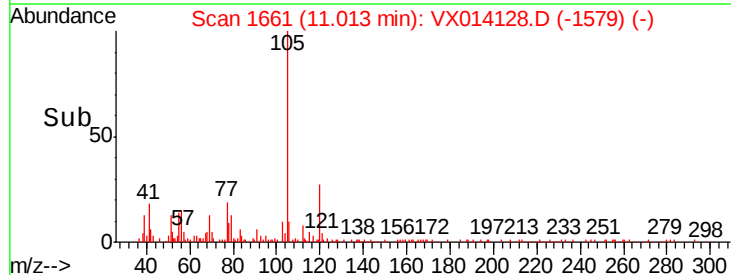
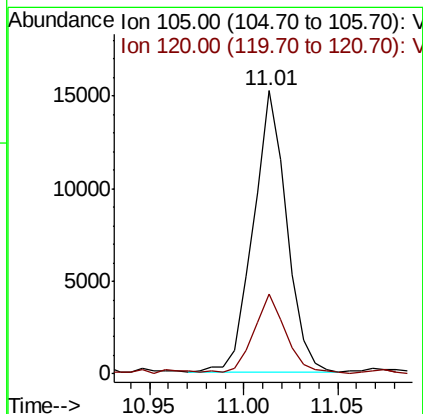
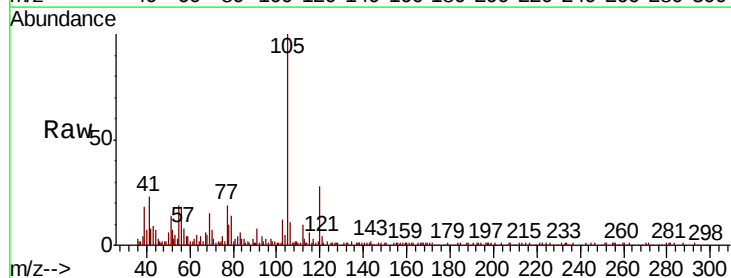
Instrument :
MSVOA_X
ClientSampleId :

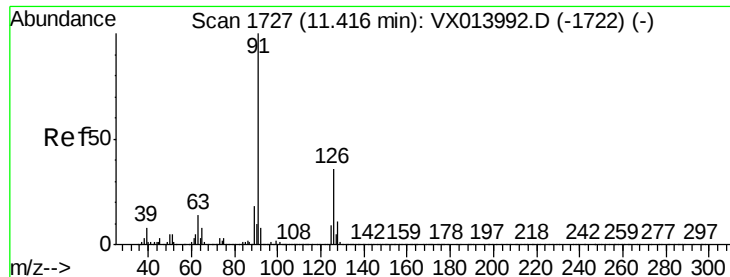
Tot Ion:104 Resp: 18934
Ion Ratio Lower Upper
104 100
78 70.1 38.9 58.3#
103 73.8 44.2 66.2#



#70
Isopropylbenzene
Concen: 0.433 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion:105 Resp: 18722
Ion Ratio Lower Upper
105 100
120 27.3 19.1 35.5





#75

2-Chlorotoluene

Concen: 0.241 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

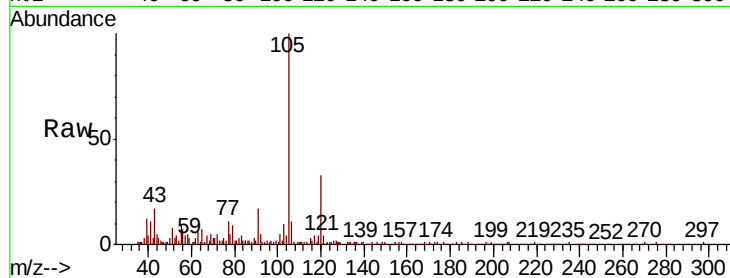
ClientSampleId :

Tot Ion: 91 Resp: 7161

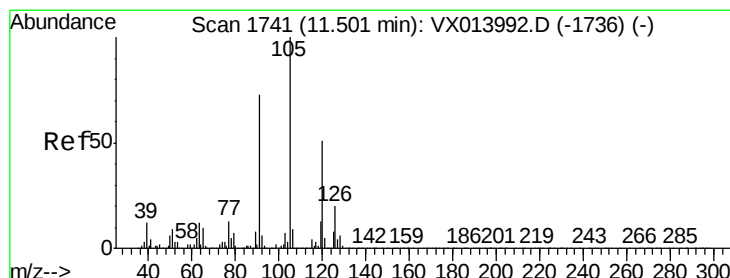
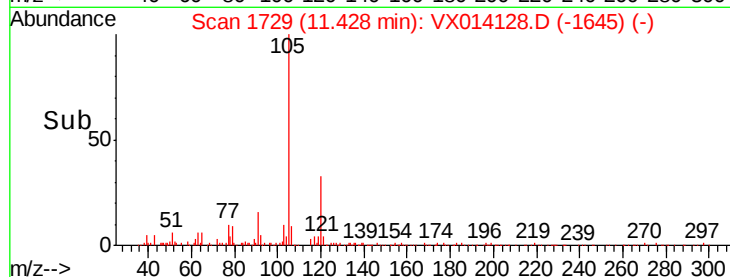
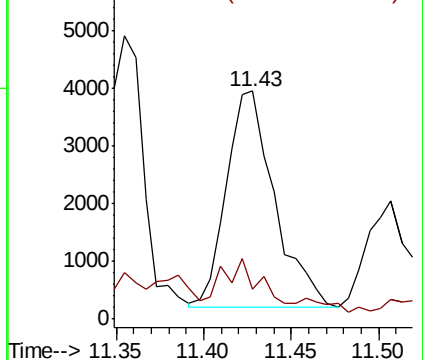
Ion Ratio Lower Upper

91 100

126 14.0 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX013992.D (-1722) (-)



#76

1,3,5-Trimethylbenzene

Concen: 0.443 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014128.D

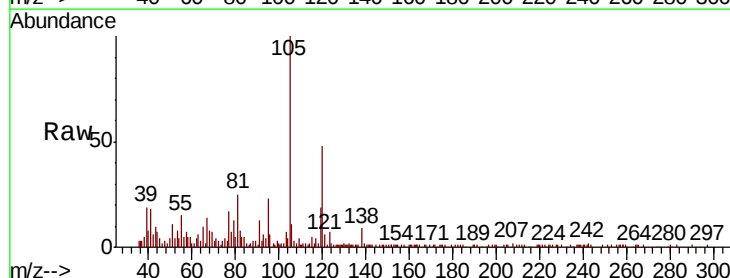
Acq: 19 Dec 2019 18:11

Tgt Ion: 105 Resp: 16248

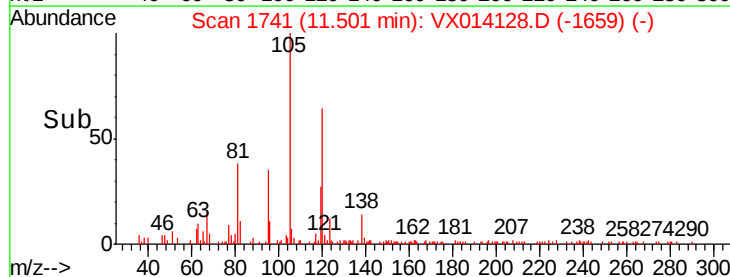
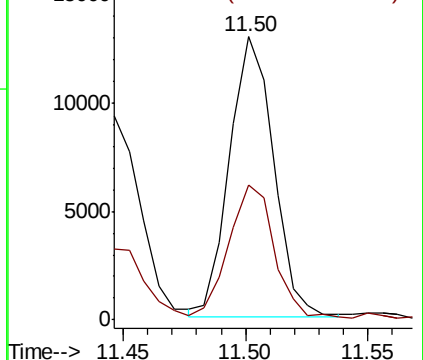
Ion Ratio Lower Upper

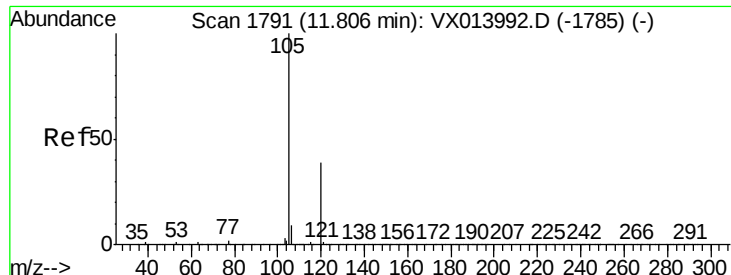
105 100

120 49.9 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VX013992.D (-1736) (-)

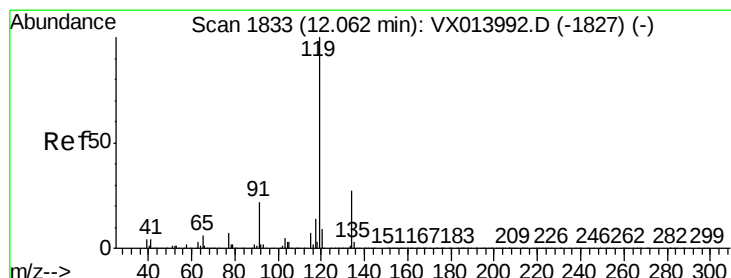
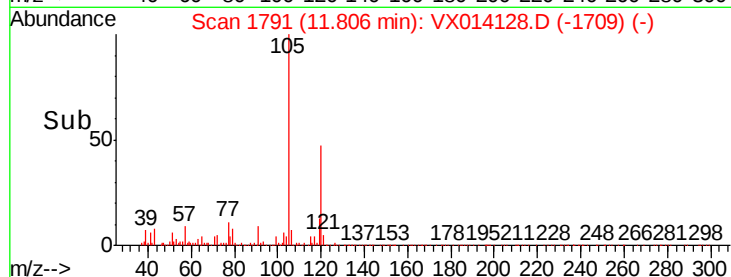
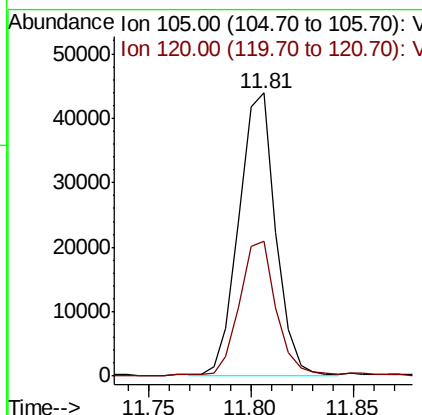
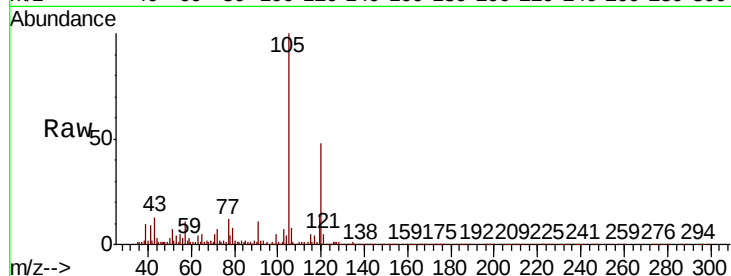




#80
 1,2,4-Trimethylbenzene
 Concen: 1.490 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

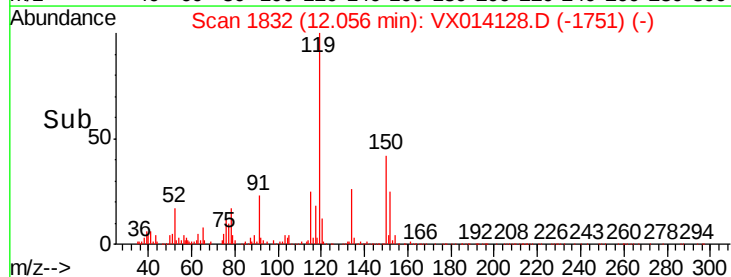
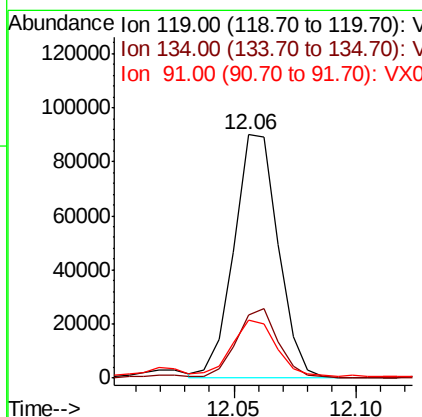
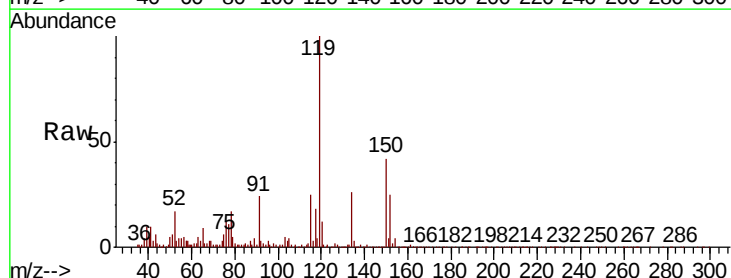
Instrument :
 MSVOA_X
 ClientSampleId :

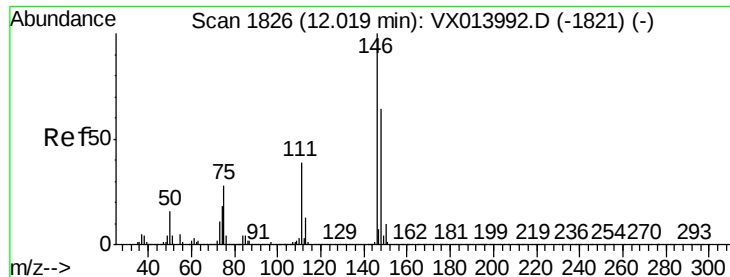
Tot Ion:105 Resp: 54698
 Ion Ratio Lower Upper
 105 100
 120 46.7 0.0 92.0



#82
 p-Isopropyltoluene
 Concen: 2.999 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014128.D
 Acq: 19 Dec 2019 18:11

Tgt Ion:119 Resp: 113904
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 53.8
 91 24.5 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 2.205 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.07 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

ClientSampled :

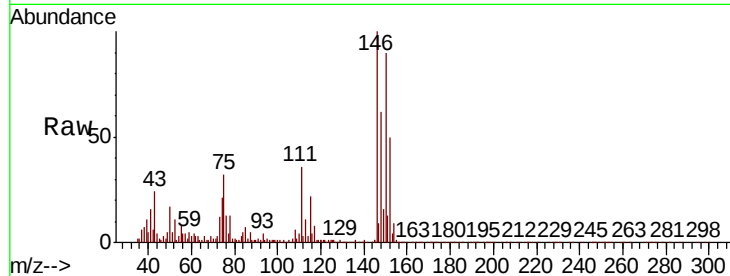
Tot Ion:146 Resp: 44404

Ion Ratio Lower Upper

146 100

111 47.1 19.3 57.9

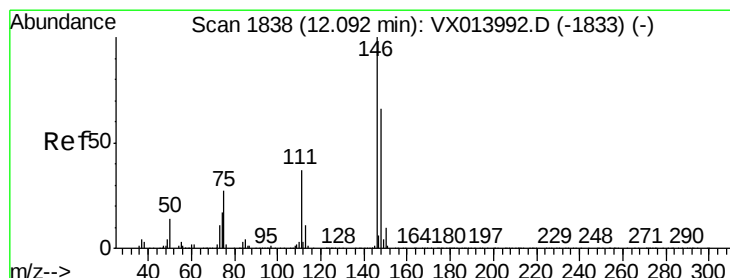
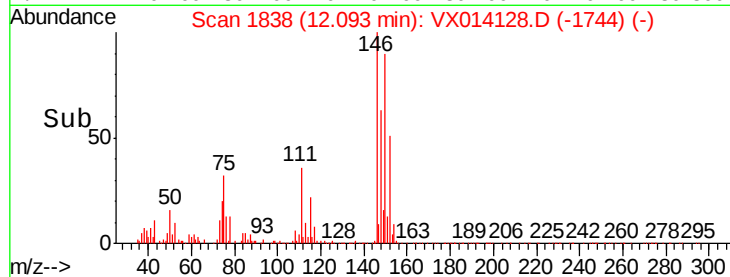
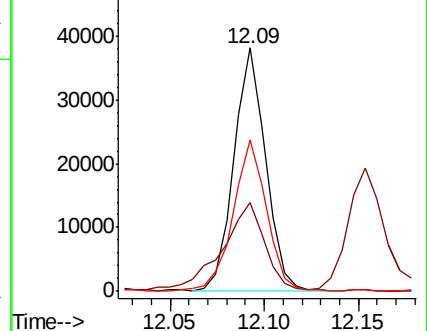
148 66.1 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 2.223 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

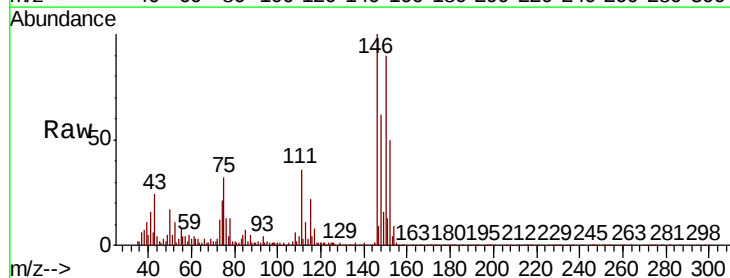
Tgt Ion:146 Resp: 44563

Ion Ratio Lower Upper

146 100

111 46.6 18.4 55.4

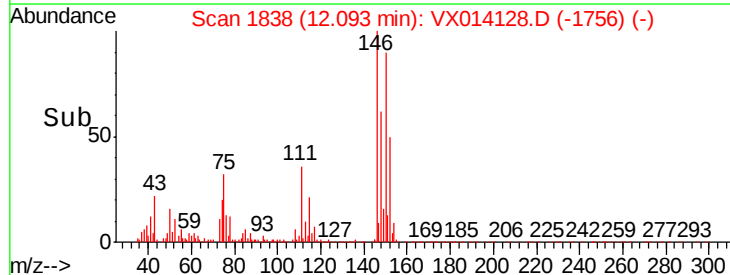
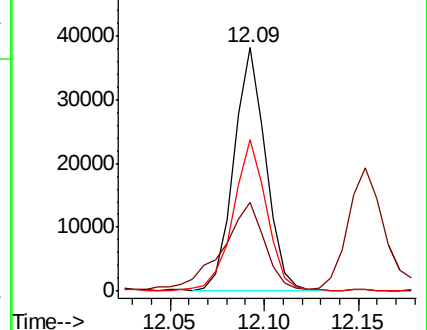
148 65.9 32.0 96.0

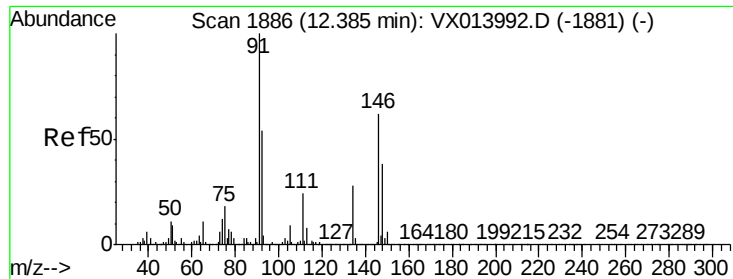


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

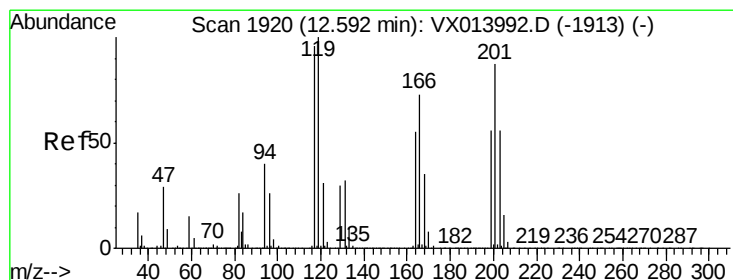
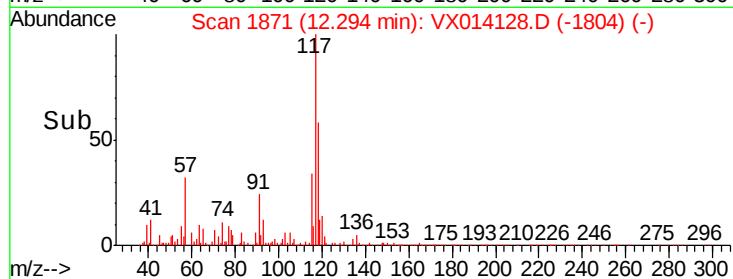
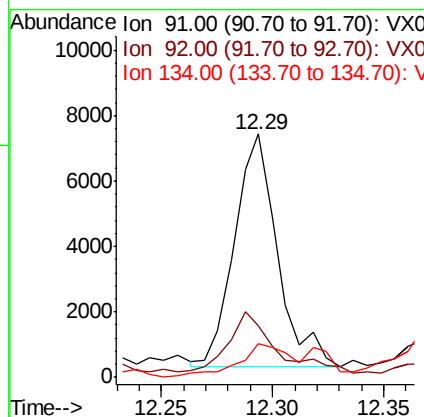
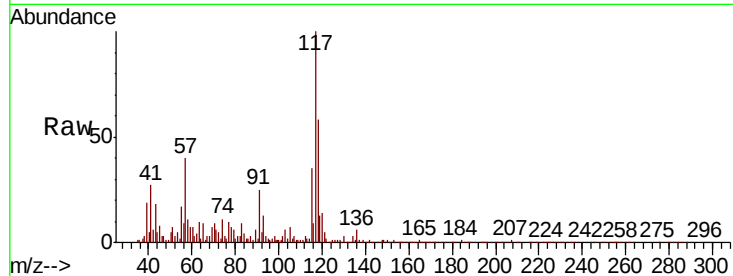




#85
n-Butylbenzene
Concen: 0.298 ug/l
RT: 12.29 min Scan# 1871
Delta R.T. -0.09 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

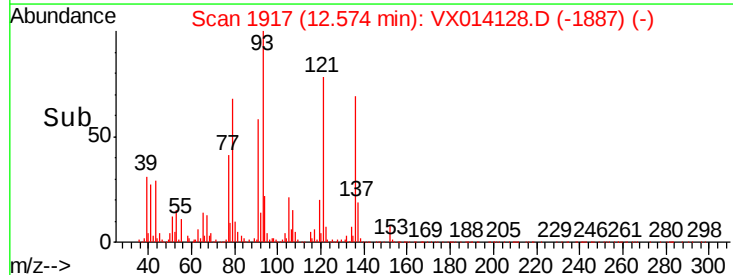
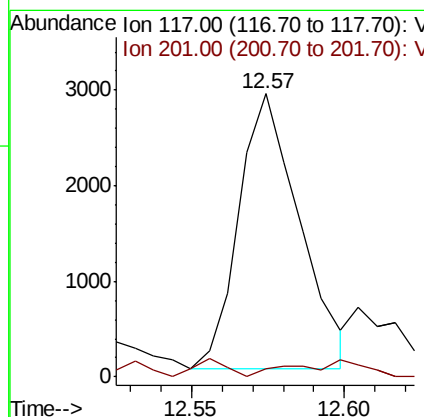
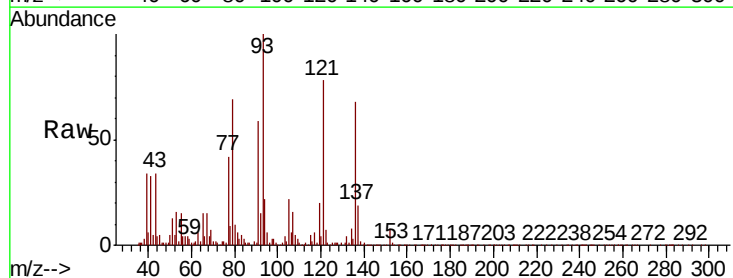
Instrument :
MSVOA_X
ClientSampleId :

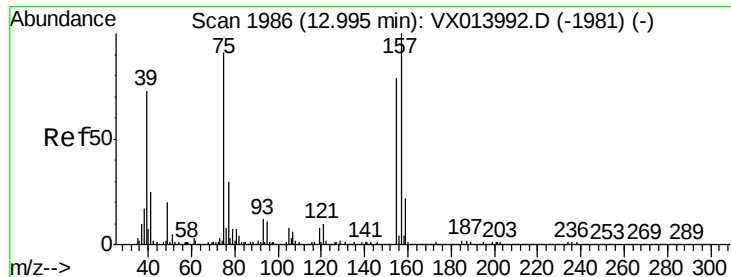
Tot Ion: 91 Resp: 9513
Ion Ratio Lower Upper
91 100
92 25.6 0.0 109.0
134 17.5 0.0 54.0



#86
Hexachloroethane
Concen: 0.576 ug/l
RT: 12.57 min Scan# 1917
Delta R.T. -0.02 min
Lab File: VX014128.D
Acq: 19 Dec 2019 18:11

Tgt Ion: 117 Resp: 3966
Ion Ratio Lower Upper
117 100
201 3.5 44.8 134.3#





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.231 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Instrument :

MSVOA_X

ClientSampled :

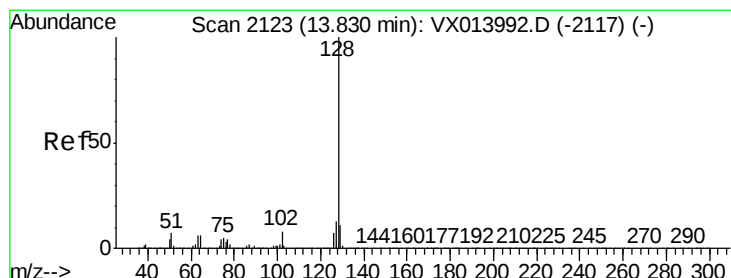
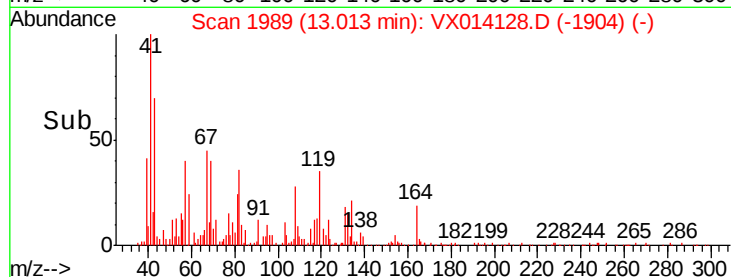
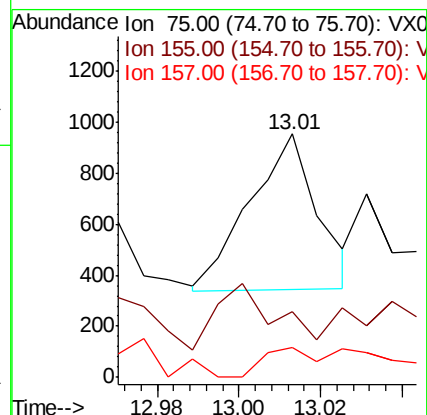
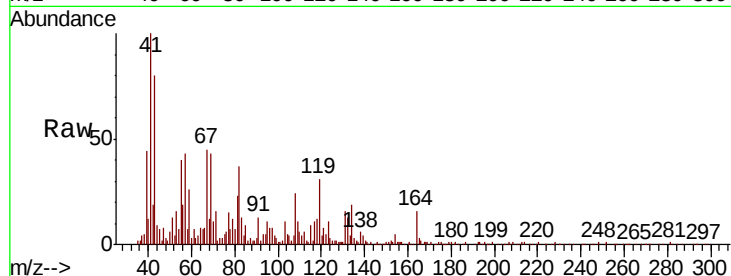
Tot Ion: 75 Resp: 707

Ion Ratio Lower Upper

75 100

155 37.5 73.8 110.6#

157 14.4 95.0 142.4#



#91

Naphthalene

Concen: 9.740 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014128.D

Acq: 19 Dec 2019 18:11

Tgt Ion: 128 Resp: 382634

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.5 8.9 13.3

