

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\
 Data File : VX015127.D
 Acq On : 06 Mar 2020 15:17
 Operator : JC/SP
 Sample : L1820-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 06 23:15:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	60760	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	310422	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	286754	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	128343	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.13	95	123139	27.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.90%
63) Toluene-d8	8.71	98	372940	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

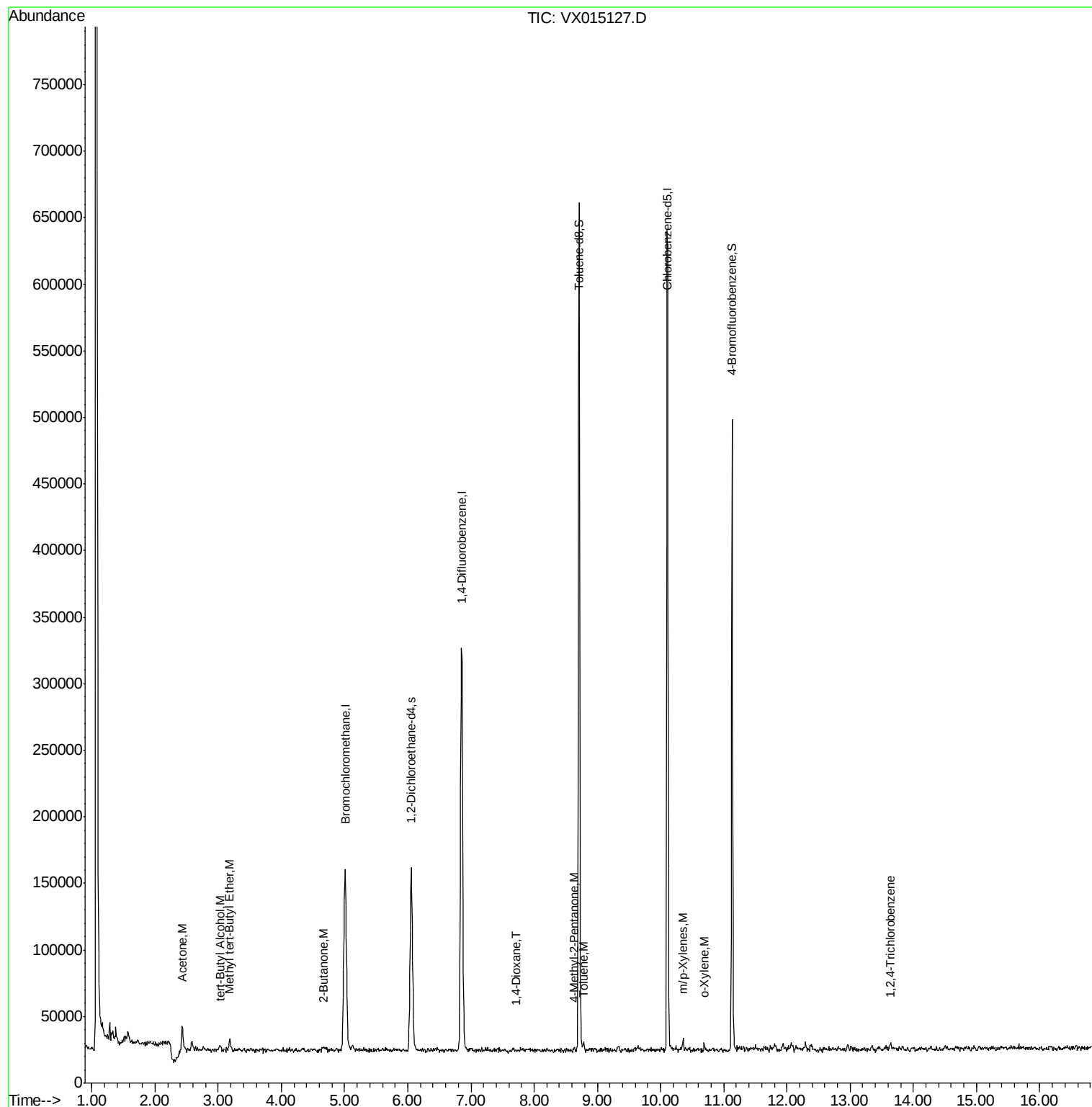
					Ovalue
15) Acetone	2.42	58	6657	10.363	ug/l 80
23) tert-Butyl Alcohol	3.02	59	4287	6.025	ug/l # 86
24) Methyl tert-Butyl Ether	3.19	73	8605	0.810	ug/l # 68
30) 2-Butanone	4.65	43	1332	0.526	ug/l # 87
45) 1,4-Dioxane	7.73	88	134	1.881	ug/l # 1
58) 4-Methyl-2-Pentanone	8.64	43	1391	0.296	ug/l 94
62) Toluene	8.78	91	3067	0.209	ug/l 96
67) m/p-Xylenes	10.36	106	2592	0.415	ug/l 81
68) o-Xylene	10.70	106	1434	0.238	ug/l 90
89) 1,2,4-Trichlorobenzene	13.64	180	1192	0.219	ug/l # 82

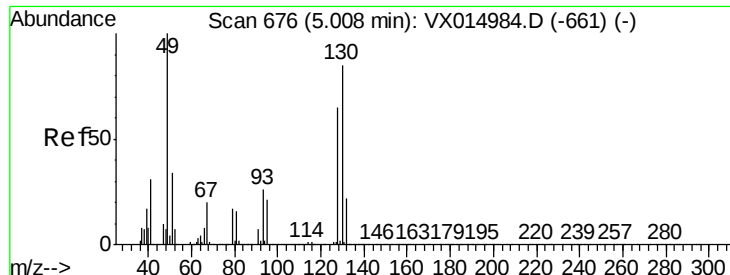
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Mar 06 23:15:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration



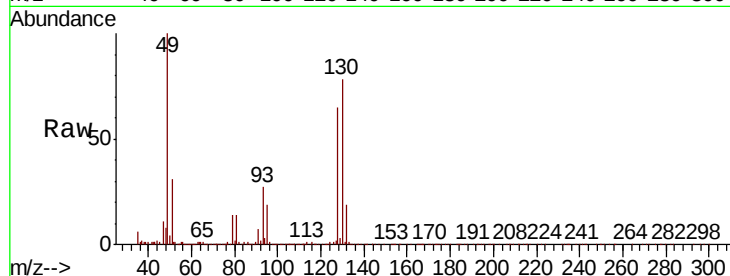


#1

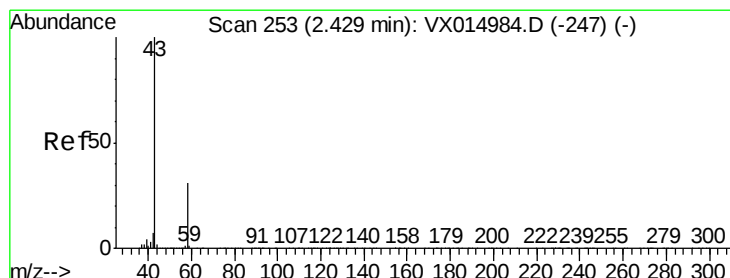
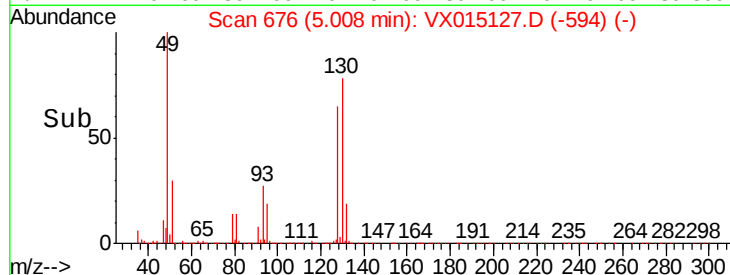
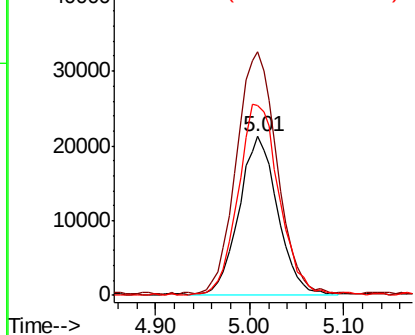
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VX015127.D
 Acq: 06 Mar 2020 15:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:128 Resp: 60760
 Ion Ratio Lower Upper
 128 100
 49 160.7 0.0 384.7
 130 128.4 0.0 330.8



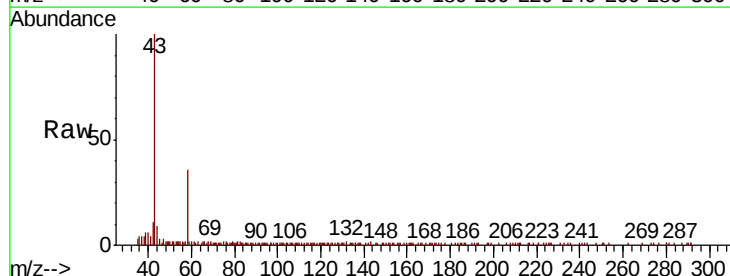
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



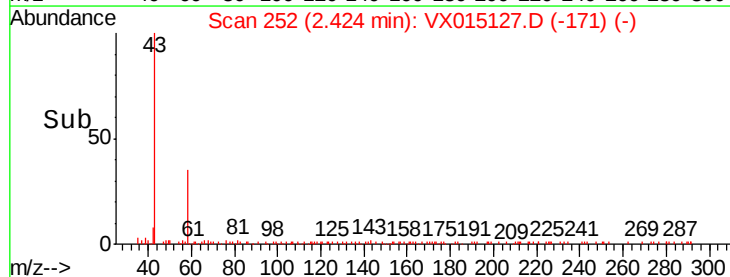
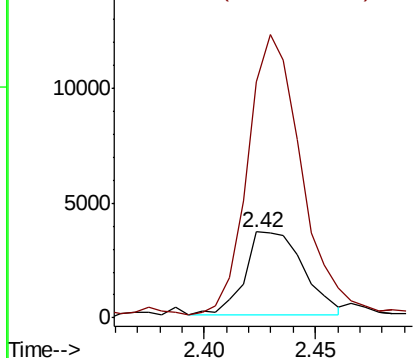
#15

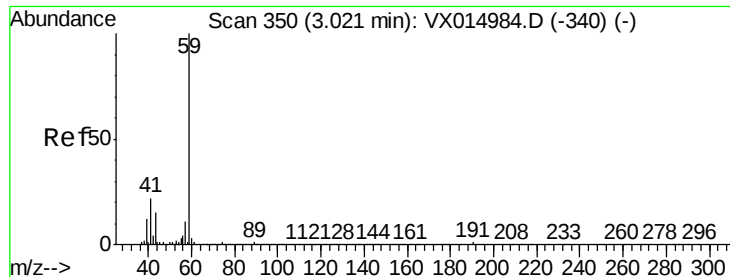
Acetone
 Concen: 10.363 ug/l
 RT: 2.42 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VX015127.D
 Acq: 06 Mar 2020 15:17

Tgt Ion: 58 Resp: 6657
 Ion Ratio Lower Upper
 58 100
 43 281.0 257.7 386.5



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



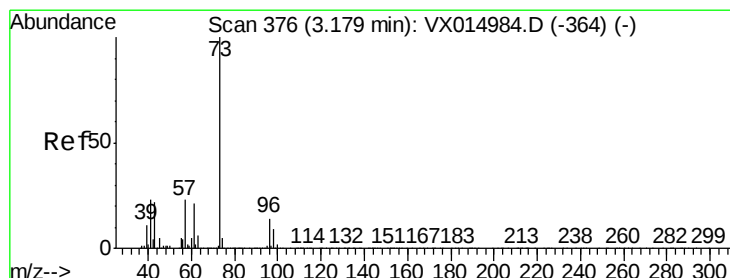
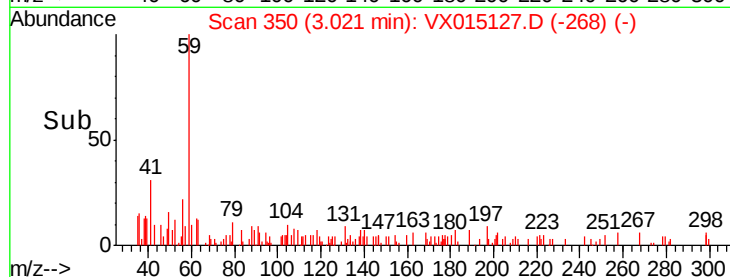
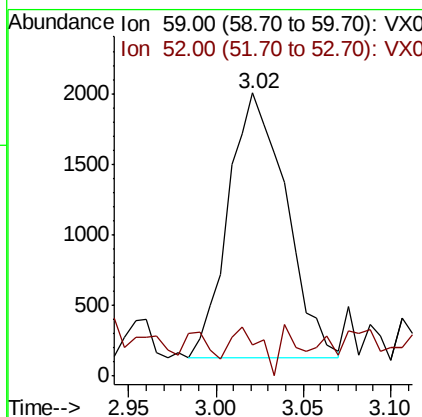
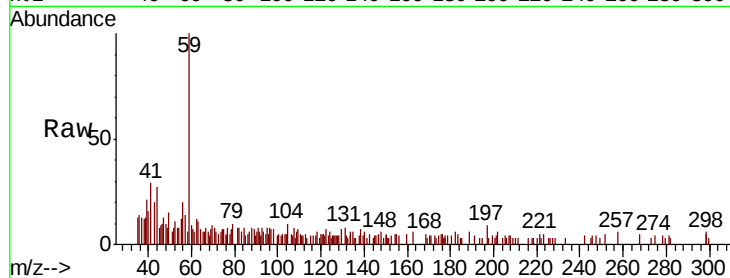


#23

tert-Butyl Alcohol
 Concen: 6.025 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VX015127.D
 Acq: 06 Mar 2020 15:17

Instrument :
 MSVOA_X
 ClientSampleId :

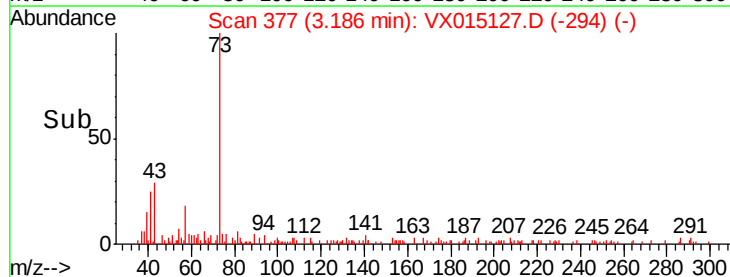
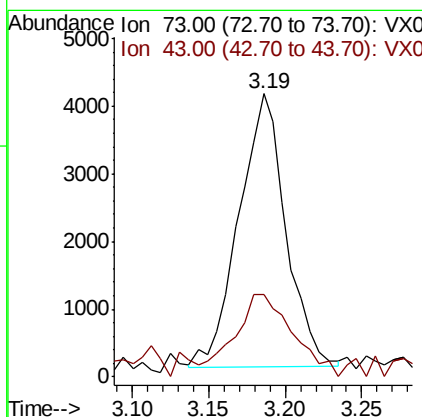
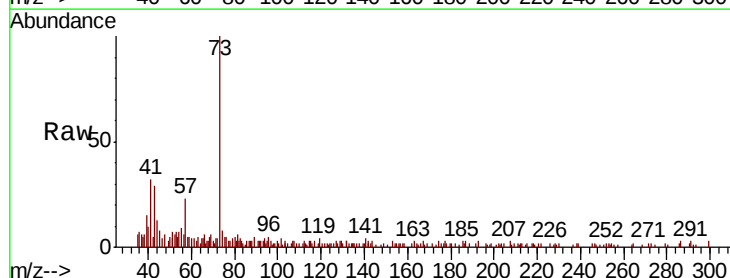
Tot Ion: 59 Resp: 4287
 Ion Ratio Lower Upper
 59 100
 52 9.4 0.4 0.6#

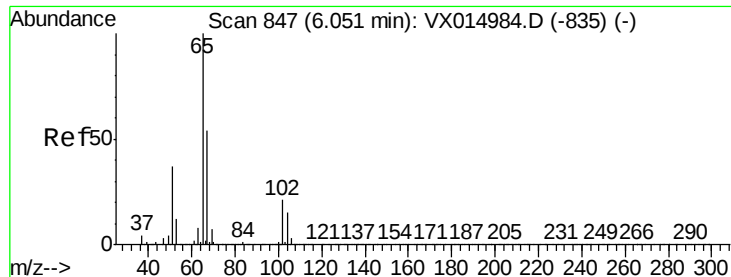


#24

Methyl tert-Butyl Ether
 Concen: 0.810 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VX015127.D
 Acq: 06 Mar 2020 15:17

Tgt Ion: 73 Resp: 8605
 Ion Ratio Lower Upper
 73 100
 43 37.5 17.7 26.5#





#27

1,2-Dichloroethane-d4

Concen: 30.377 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015127.D

Acq: 06 Mar 2020 15:17

Instrument :

MSVOA_X

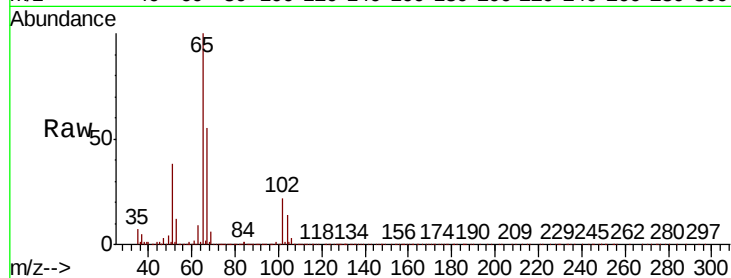
ClientSampled :

Tot Ion: 65 Resp: 128343

Ion Ratio Lower Upper

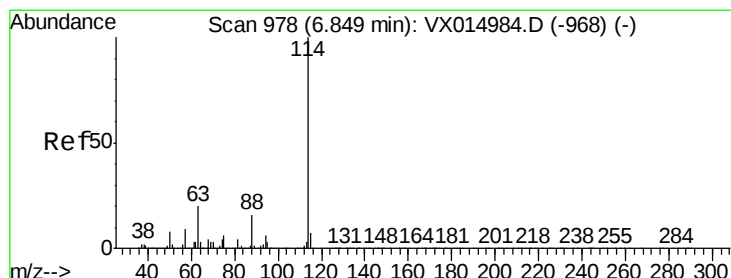
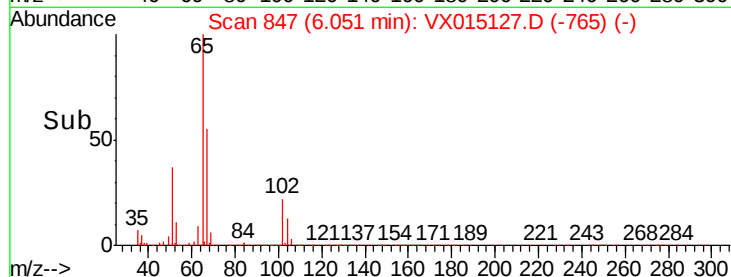
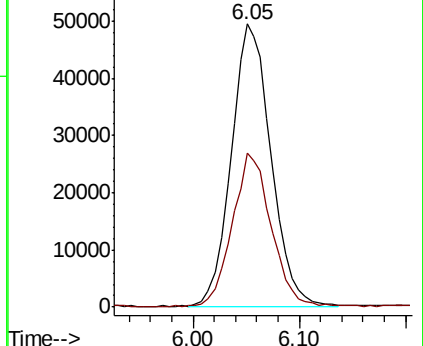
65 100

67 52.8 41.9 62.9



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015127.D

Acq: 06 Mar 2020 15:17

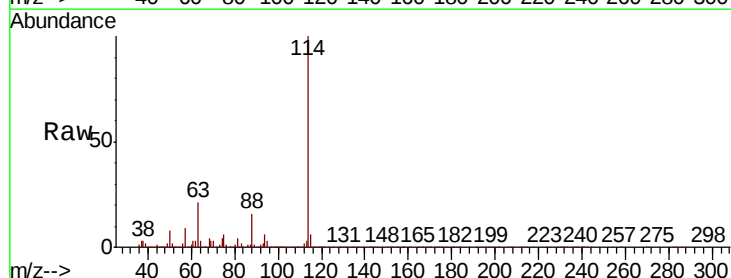
Tgt Ion: 114 Resp: 310422

Ion Ratio Lower Upper

114 100

63 20.5 15.6 23.4

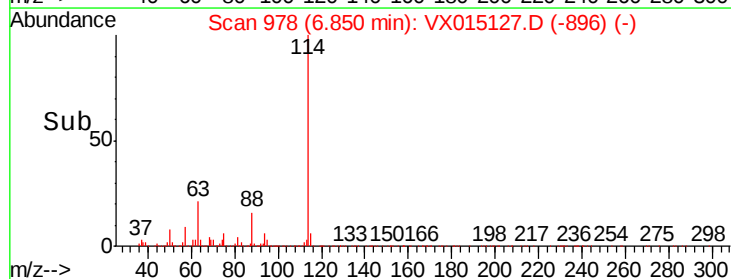
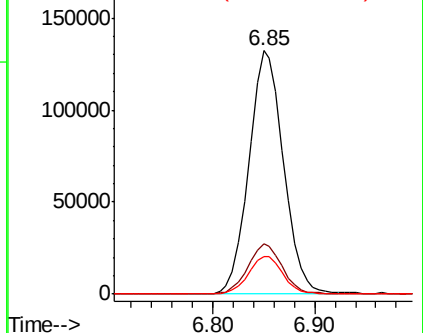
88 15.7 12.2 18.2

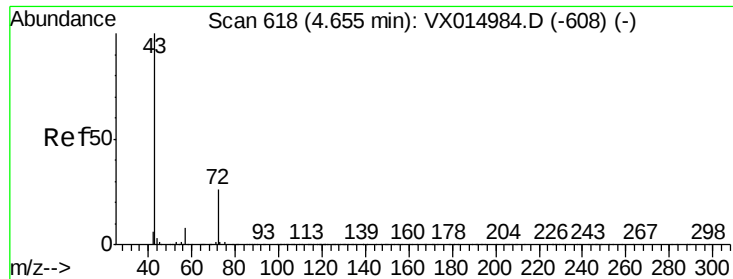


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

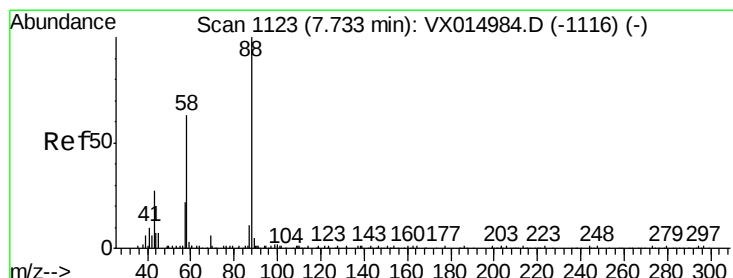
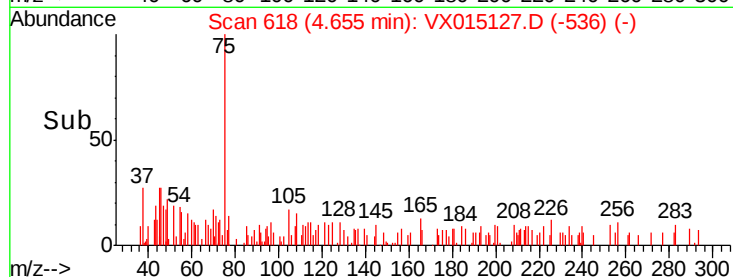
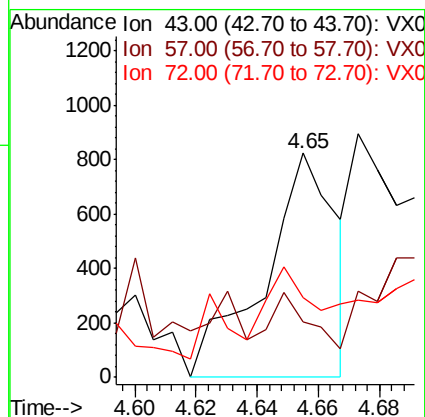
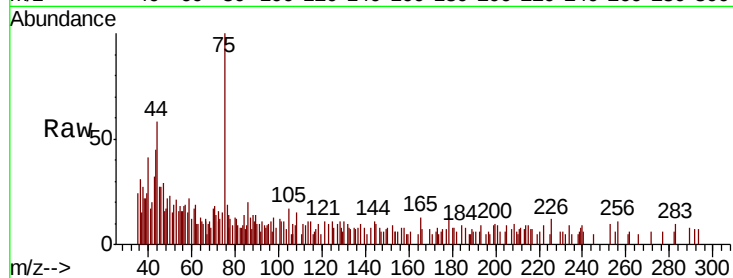




#30
2-Butanone
Concen: 0.526 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX015127.D
Acq: 06 Mar 2020 15:17

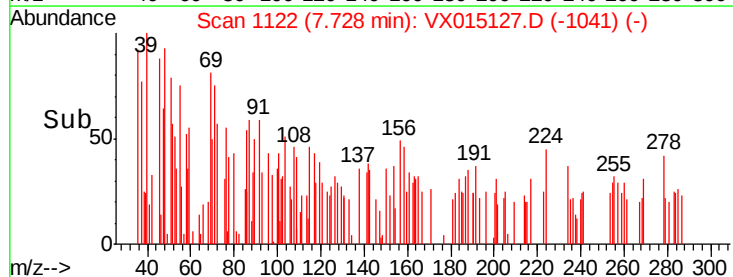
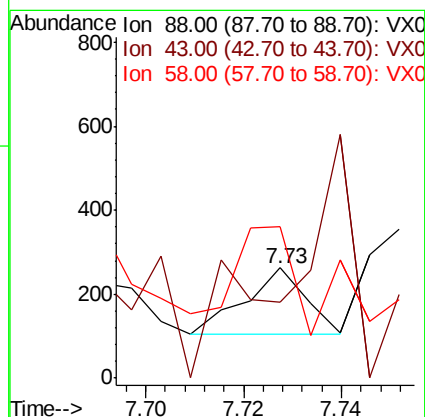
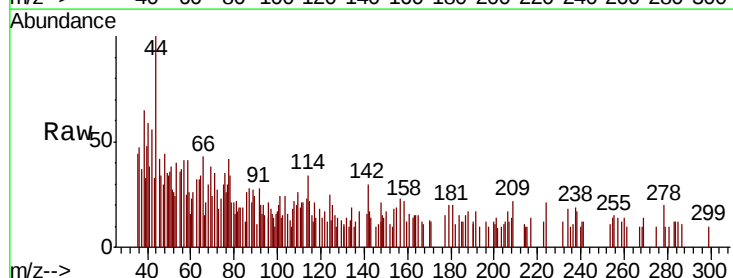
Instrument :
MSVOA_X
ClientSampled :

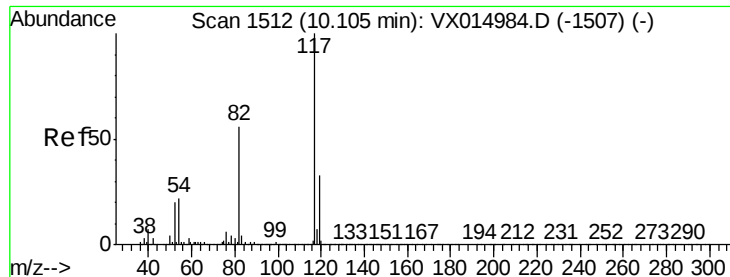
Tot Ion: 43 Resp: 1332
Ion Ratio Lower Upper
43 100
57 12.6 6.5 9.7#
72 18.5 20.3 30.5#



#45
1,4-Dioxane
Concen: 1.881 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX015127.D
Acq: 06 Mar 2020 15:17

Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 177.6 25.4 38.2#
58 158.2 55.8 83.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VX015127.D

Acq: 06 Mar 2020 15:17

Instrument :

MSVOA_X

ClientSampled :

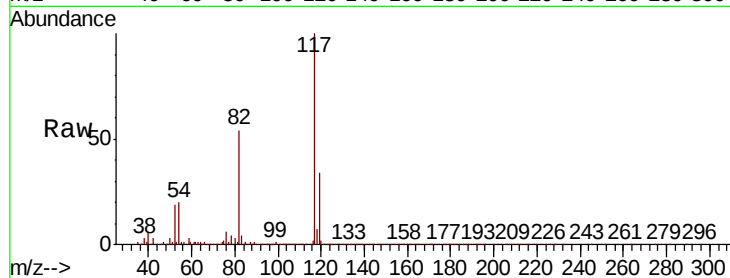
Tot Ion:117 Resp: 286754

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.2

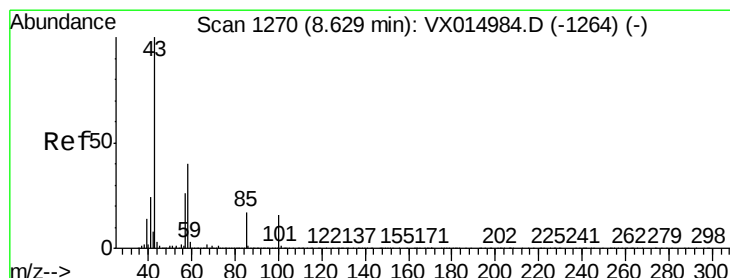
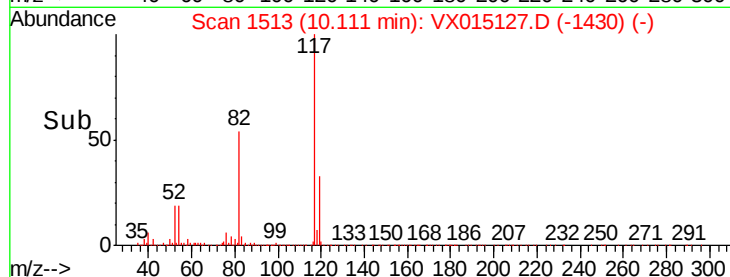
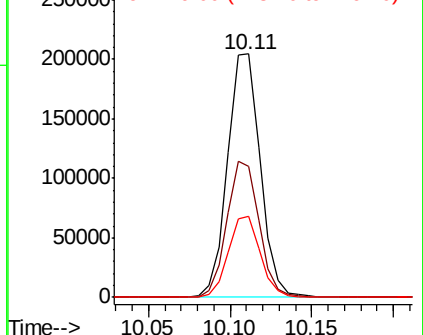
119 32.2 26.0 39.0



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: 0.296 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VX015127.D

Acq: 06 Mar 2020 15:17

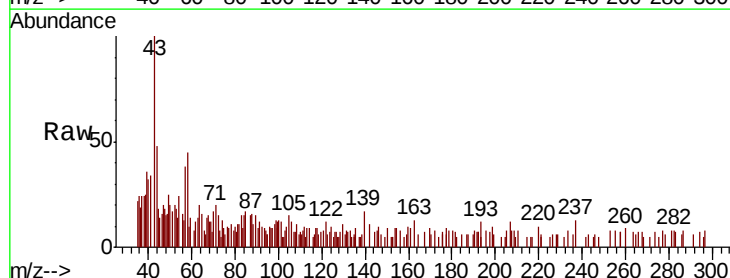
Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

58 36.1 31.7 47.5

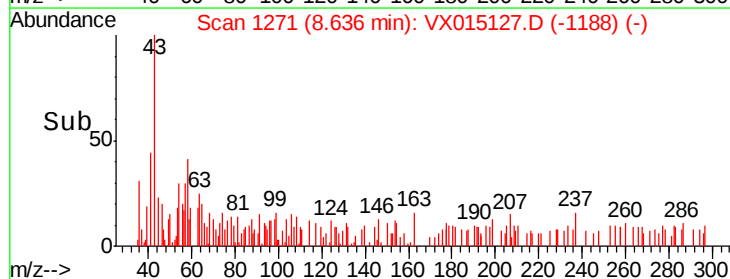
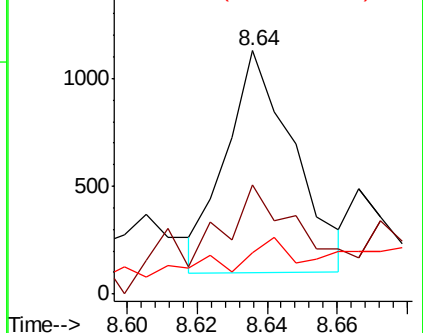
85 15.7 14.4 21.6

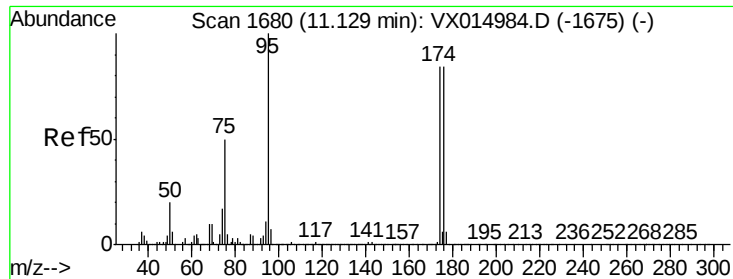


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

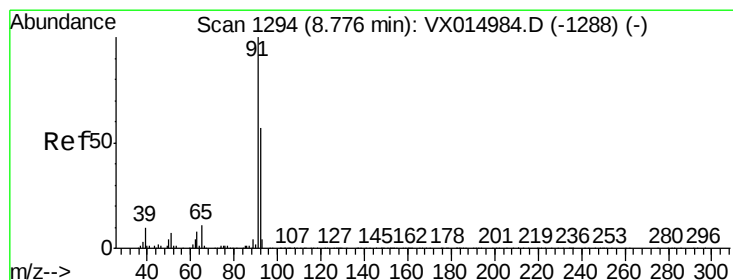
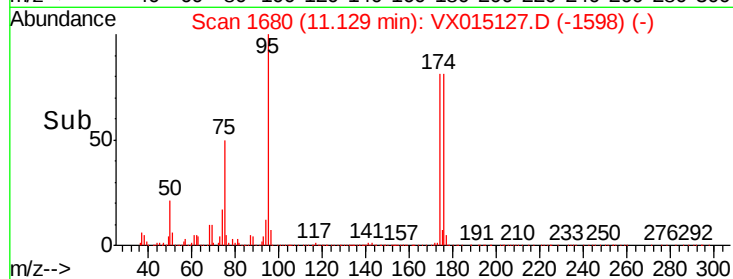
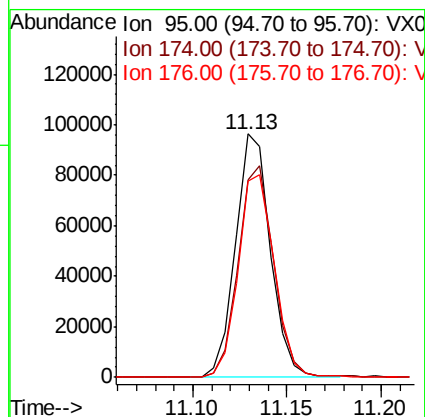
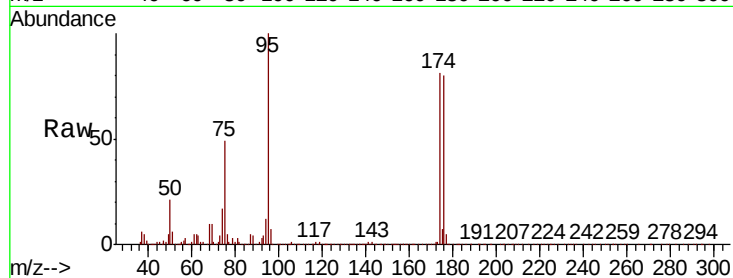




#60
4-Bromofluorobenzene
Concen: 27.571 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015127.D
Acq: 06 Mar 2020 15:17

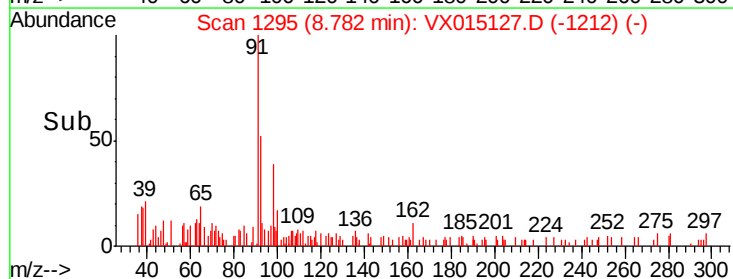
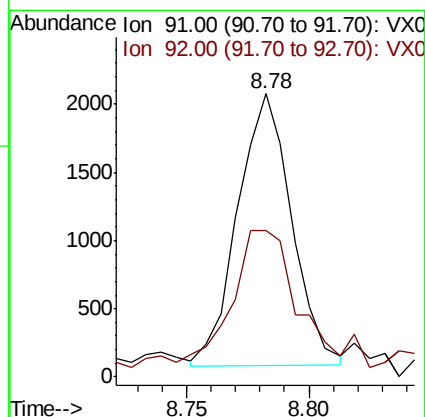
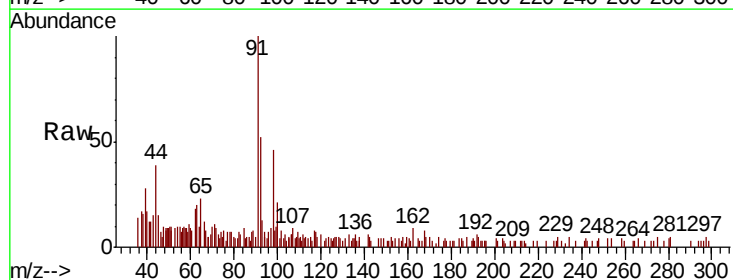
Instrument :
MSVOA_X
ClientSampleId :

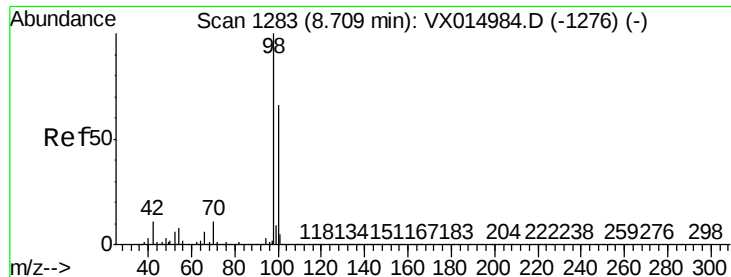
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.4	72.3	108.5
176	87.0	72.0	108.0



#62
Toluene
Concen: 0.209 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX015127.D
Acq: 06 Mar 2020 15:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	46.6	69.8





#63

Toluene-d8

Concen: 29.824 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015127.D

Acq: 06 Mar 2020 15:17

Instrument :

MSVOA_X

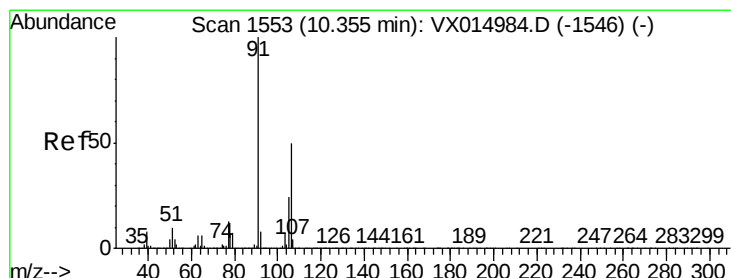
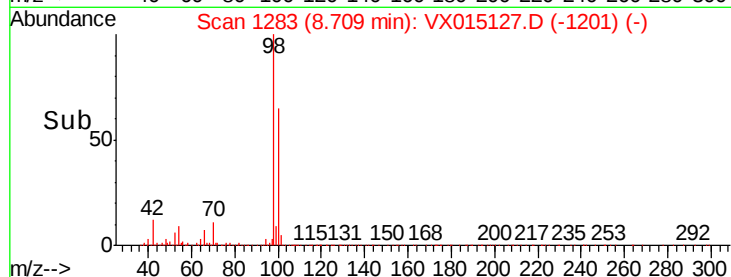
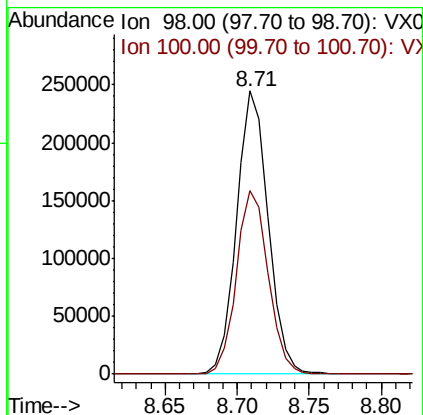
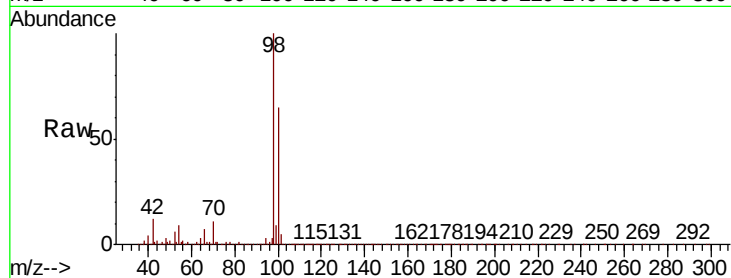
ClientSampleId :

Tot Ion: 98 Resp: 372940

Ion Ratio Lower Upper

98 100

100 65.3 52.8 79.2



#67

m/p-Xylenes

Concen: 0.415 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015127.D

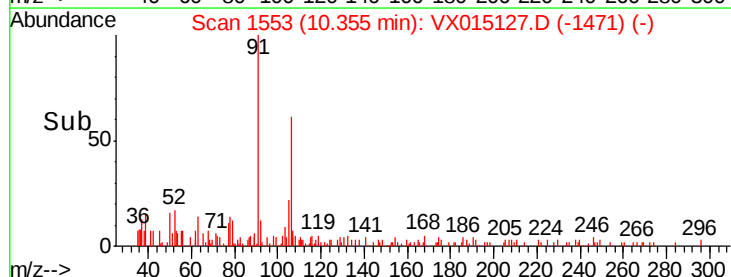
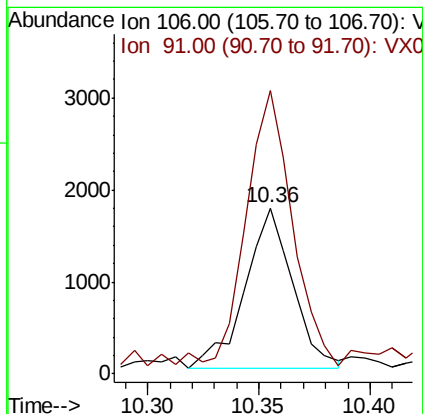
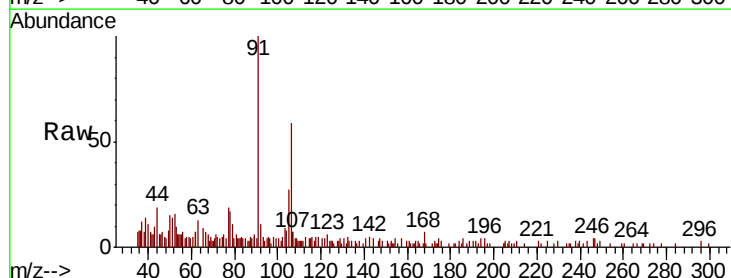
Acq: 06 Mar 2020 15:17

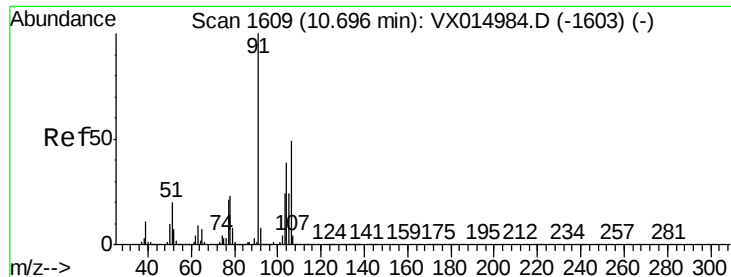
Tgt Ion: 106 Resp: 2592

Ion Ratio Lower Upper

106 100

91 171.7 160.4 240.6

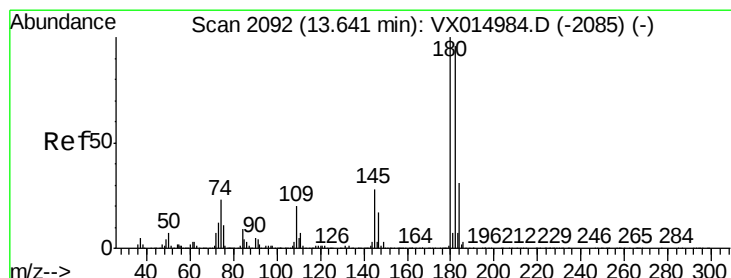
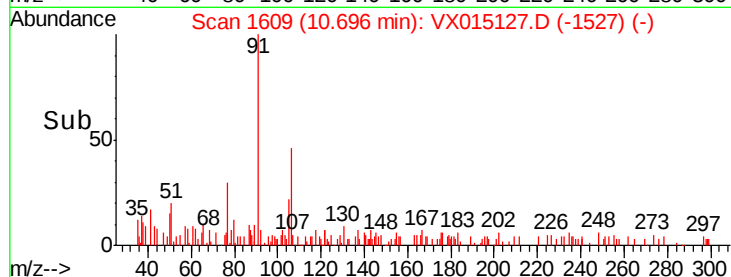
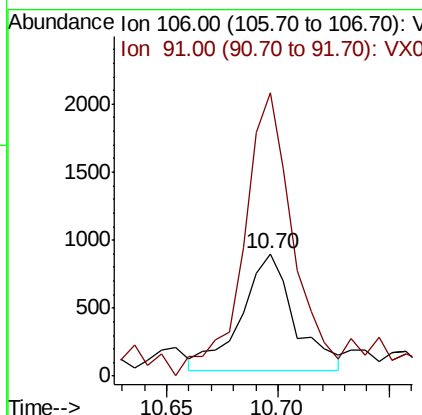
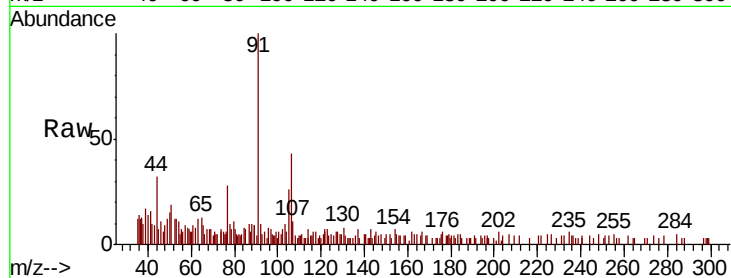




#68
o-Xylene
Concen: 0.238 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015127.D
Acq: 06 Mar 2020 15:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 1434
Ion Ratio Lower Upper
106 100
91 225.7 105.3 315.9



#89
1,2,4-Trichlorobenzene
Concen: 0.219 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX015127.D
Acq: 06 Mar 2020 15:17

Tgt Ion:180 Resp: 1192
Ion Ratio Lower Upper
180 100
182 76.7 76.4 114.6
145 35.2 21.8 32.6#

