

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014695.D
 Acq On : 24 Jan 2020 14:21
 Operator : JC/SP
 Sample : L1222-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jan 24 22:26:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	67567	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	359341	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	321082	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	148371	31.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.13%
60) 4-Bromofluorobenzene	11.14	95	136928	26.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.83%
63) Toluene-d8	8.71	98	433204	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

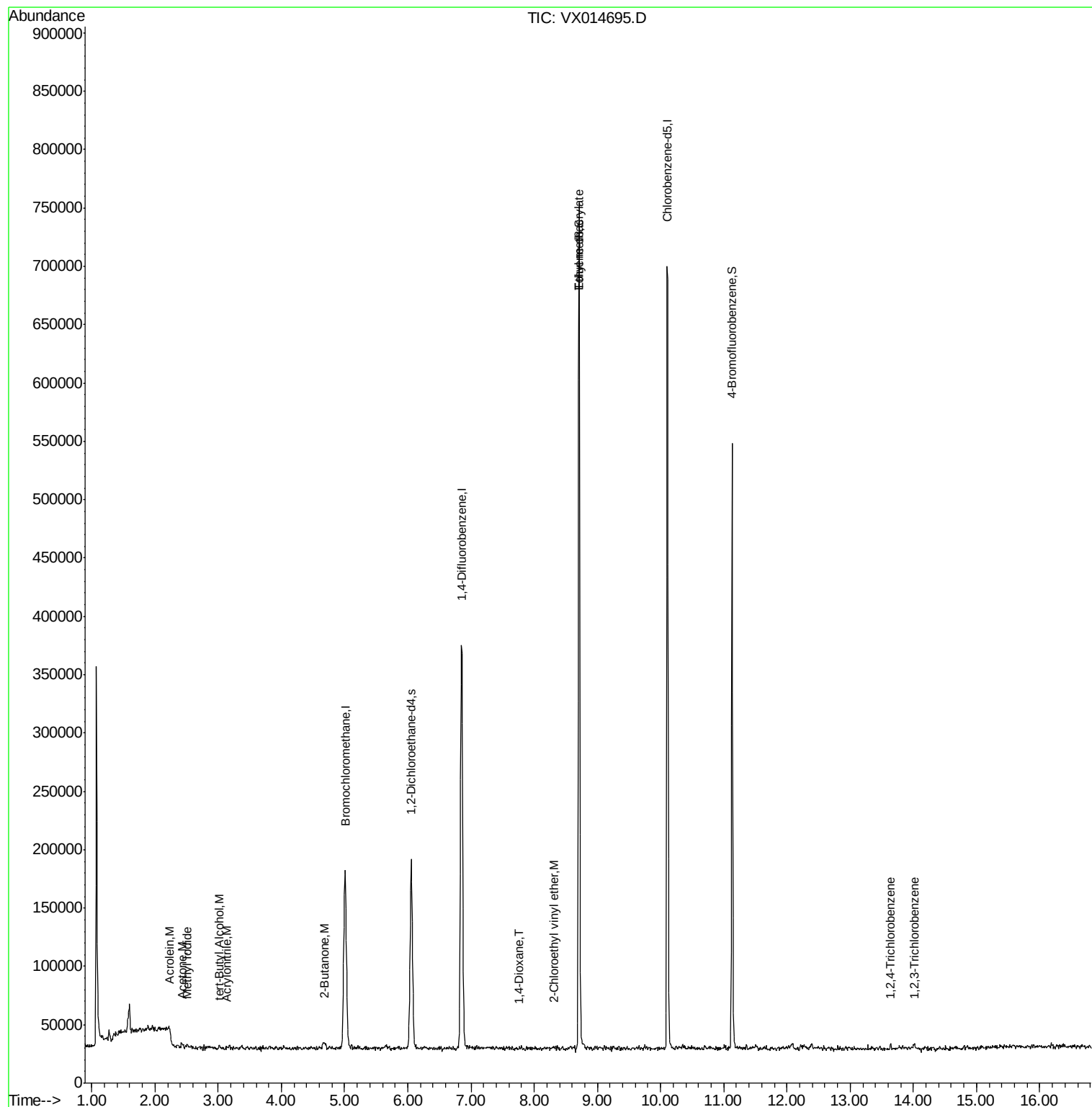
					Ovalue
11) Methyl Iodide	2.51	142	2254	0.449 ug/l	86
13) Acrolein	2.23	56	371	0.523 ug/l	87
14) Acrylonitrile	3.14	53	687	0.297 ug/l #	53
15) Acetone	2.43	58	1042	1.344 ug/l #	29
23) tert-Butyl Alcohol	3.01	59	1213	1.269 ug/l #	80
30) 2-Butanone	4.68	43	1205	0.361 ug/l #	68
45) 1,4-Dioxane	7.75	88	97	0.995 ug/l #	1
51) Ethyl methacrylate	8.71	69	1560	0.242 ug/l	72
55) 2-Chloroethyl vinyl ether	8.32	63	1310	0.442 ug/l #	64
89) 1,2,4-Trichlorobenzene	13.64	180	1135	0.203 ug/l	89
92) 1,2,3-Trichlorobenzene	14.01	180	1326	0.233 ug/l	87

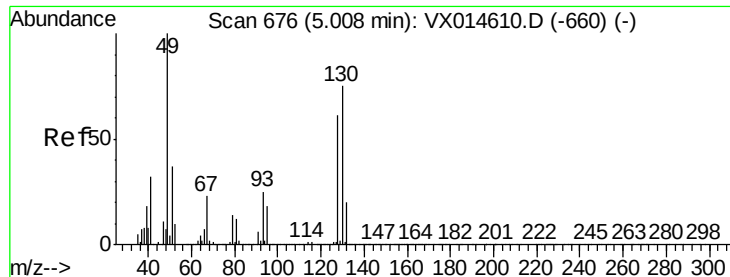
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Jan 24 22:26:59 2020
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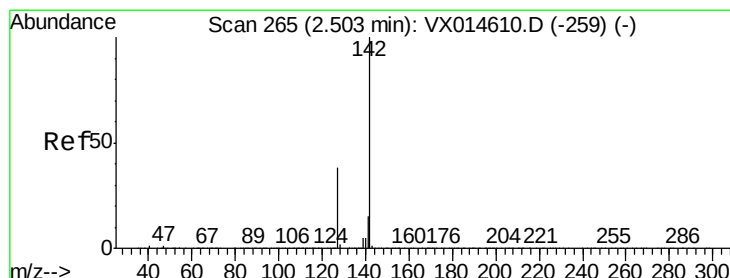
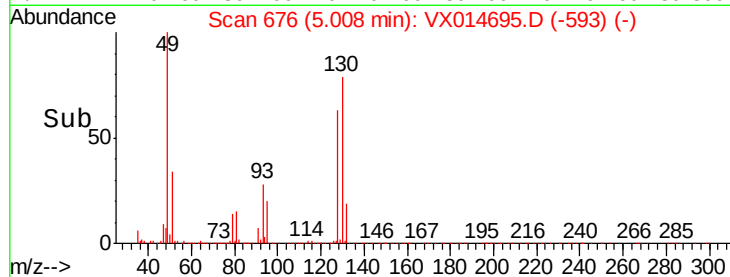
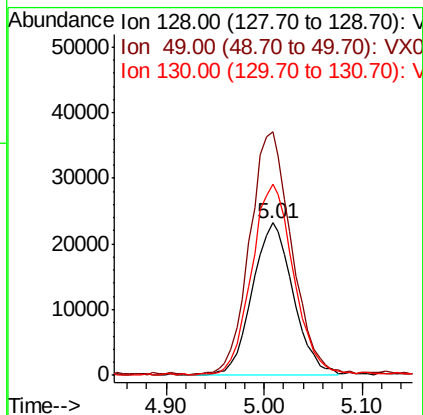
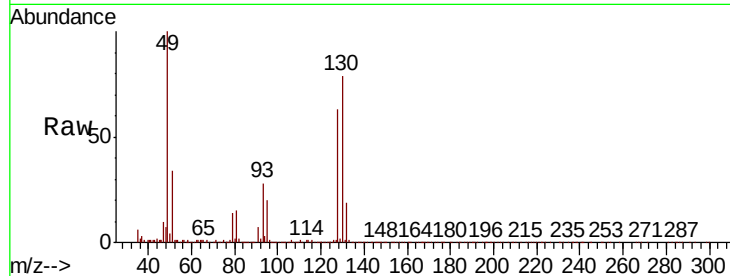


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX014695.D
 Acq: 24 Jan 2020 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

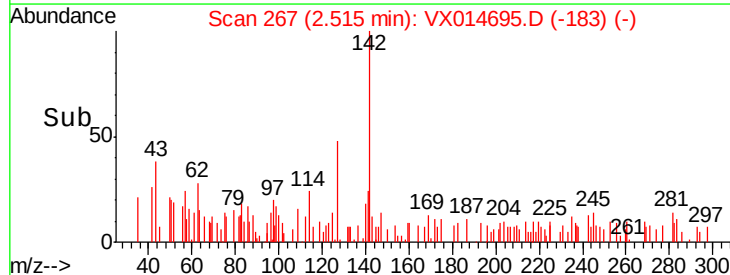
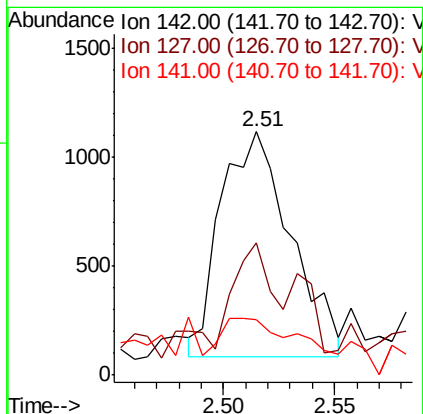
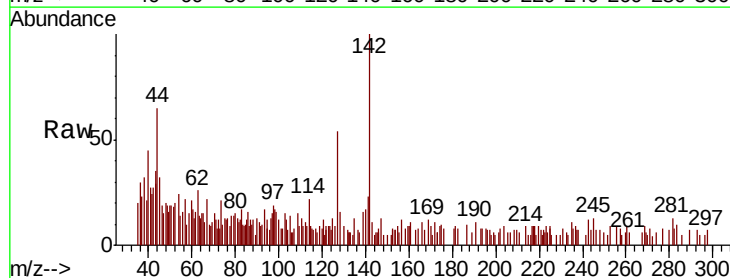
Tot Ion	Ratio	Lower	Upper
128	100		
49	164.7	0.0	405.0
130	130.0	0.0	321.5

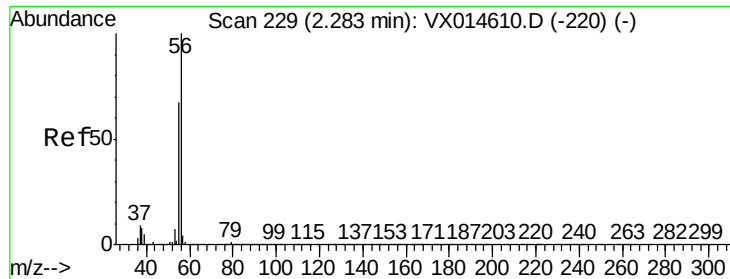


#11

Methyl Iodide
 Concen: 0.449 ug/l
 RT: 2.51 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VX014695.D
 Acq: 24 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.2	19.5	58.5
141	7.7	7.0	20.9

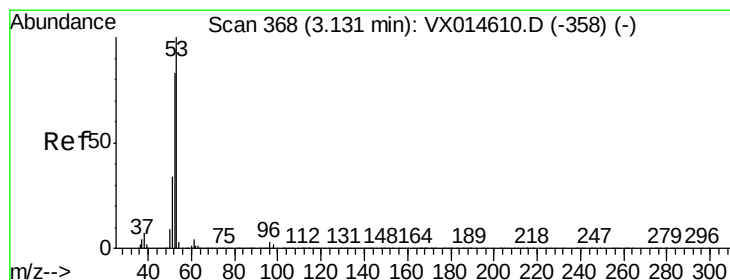
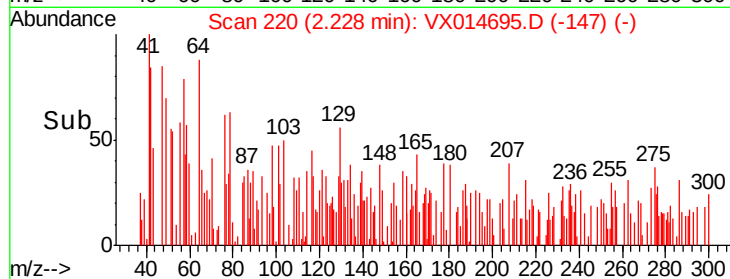
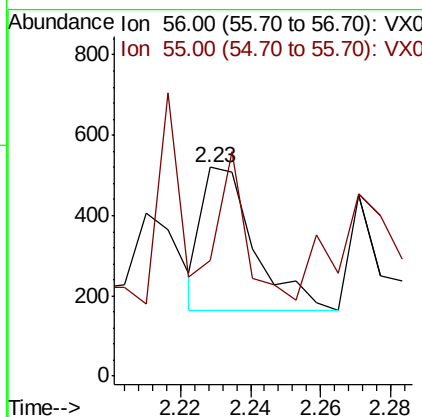
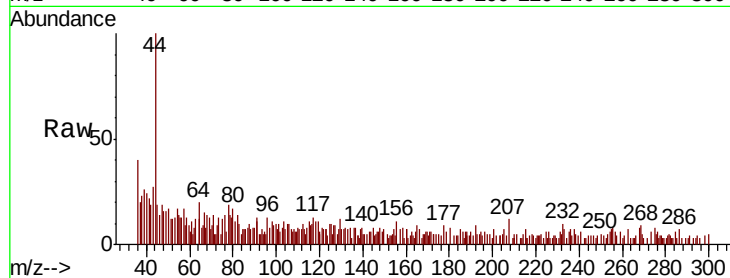




#13
Acrolein
Concen: 0.523 ug/l
RT: 2.23 min Scan# 220
Delta R.T. -0.05 min
Lab File: VX014695.D
Acq: 24 Jan 2020 14:21

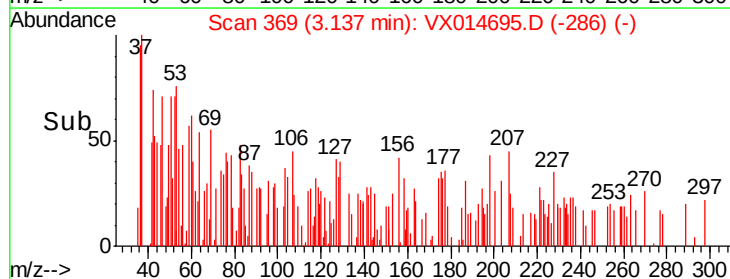
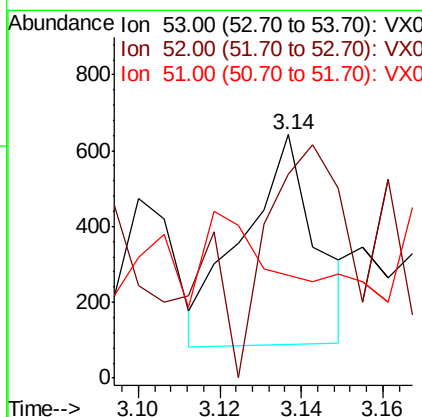
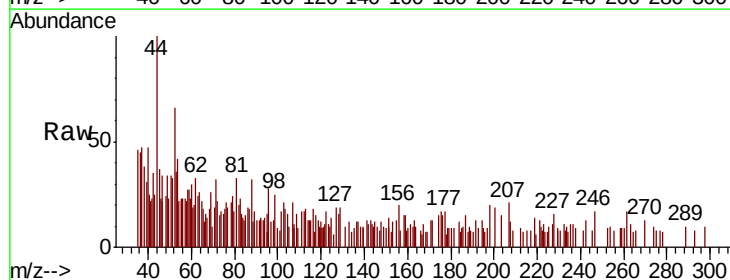
Instrument :
MSVOA_X
ClientSampleId :
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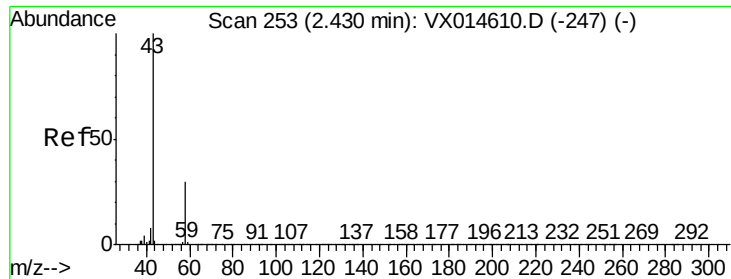
Tot Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 58.0 54.9 82.3



#14
Acrylonitrile
Concen: 0.297 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX014695.D
Acq: 24 Jan 2020 14:21

Tgt Ion: 53 Resp: 687
Ion Ratio Lower Upper
53 100
52 120.4 41.5 124.6
51 0.0 17.8 53.5#





#15

Acetone

Concen: 1.344 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014695.D

Acq: 24 Jan 2020 14:21

Instrument :

MSVOA_X

ClientSampled :

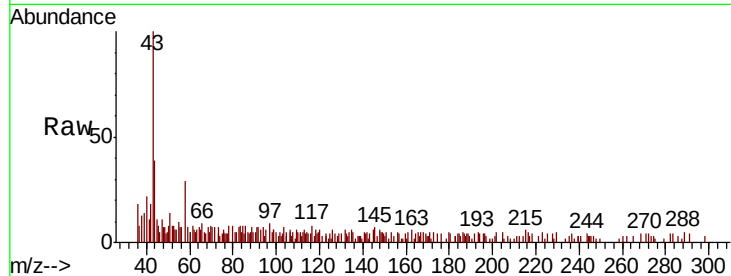
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Tot Ion: 58 Resp: 1042

Ion Ratio Lower Upper

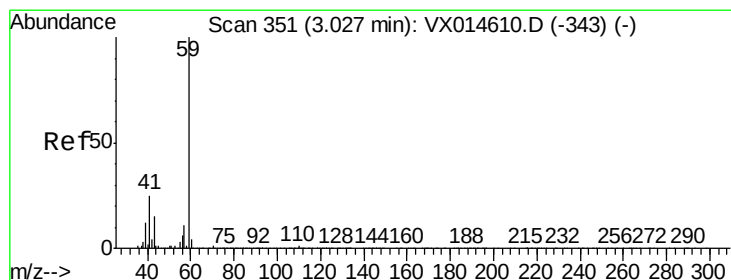
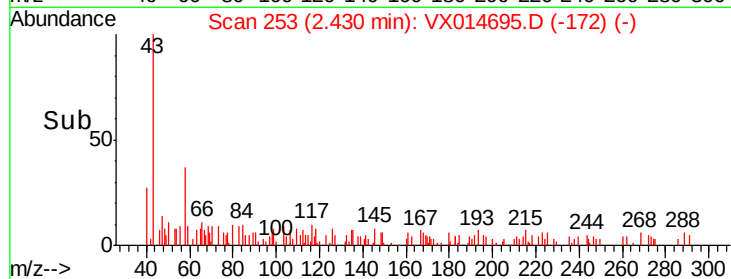
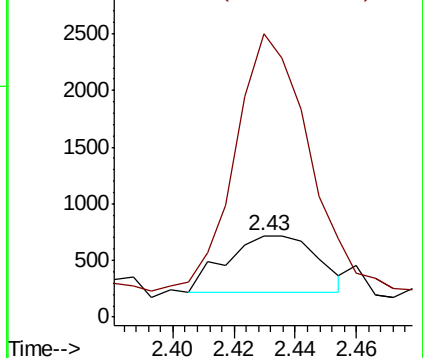
58 100

43 432.4 236.3 354.5#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#23

tert-Butyl Alcohol

Concen: 1.269 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.03 min

Lab File: VX014695.D

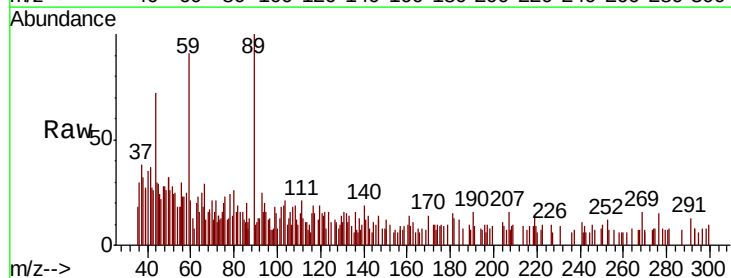
Acq: 24 Jan 2020 14:21

Tgt Ion: 59 Resp: 1213

Ion Ratio Lower Upper

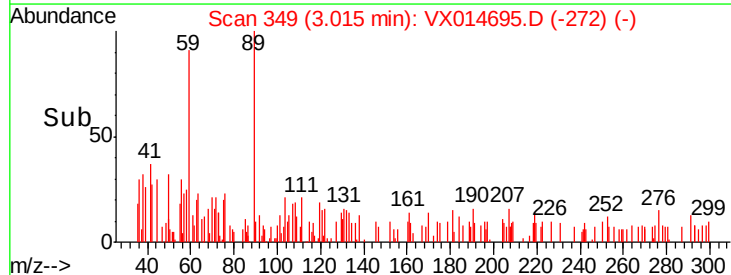
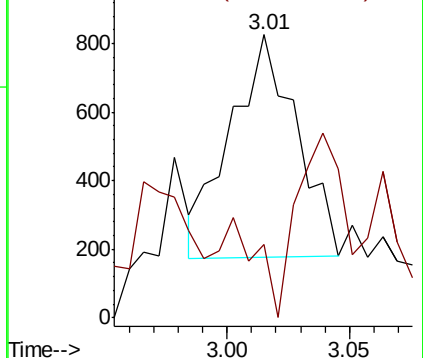
59 100

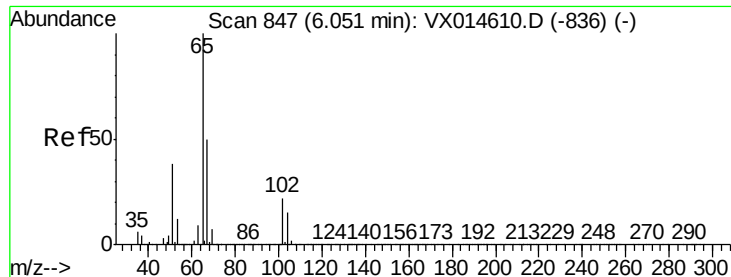
52 26.1 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

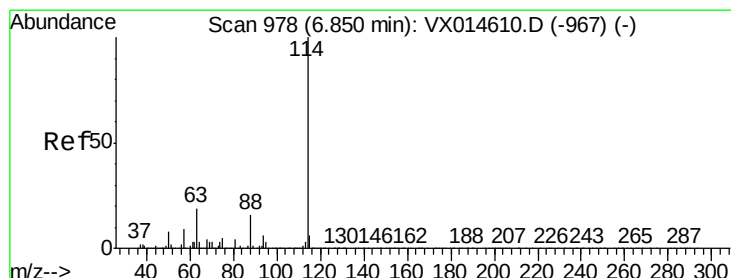
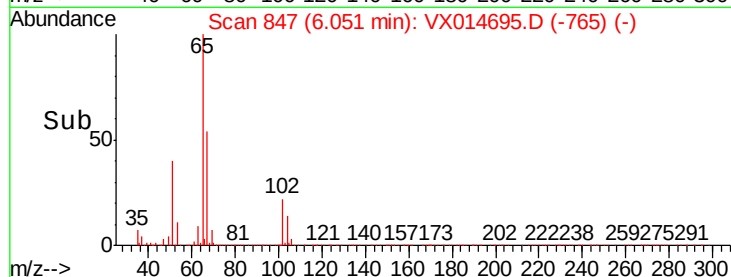
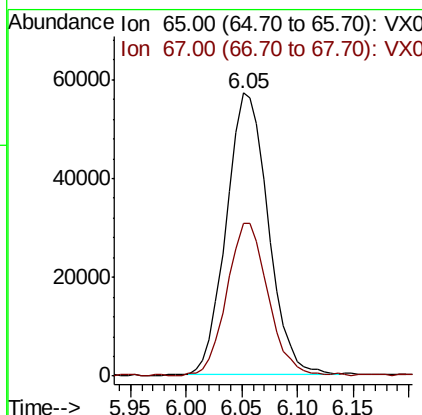
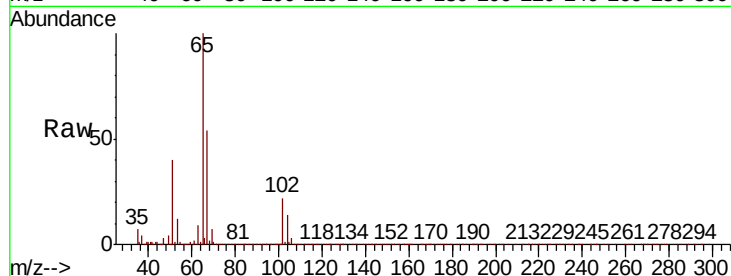




#27
 1,2-Dichloroethane-d4
 Concen: 31.241 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014695.D
 Acq: 24 Jan 2020 14:21

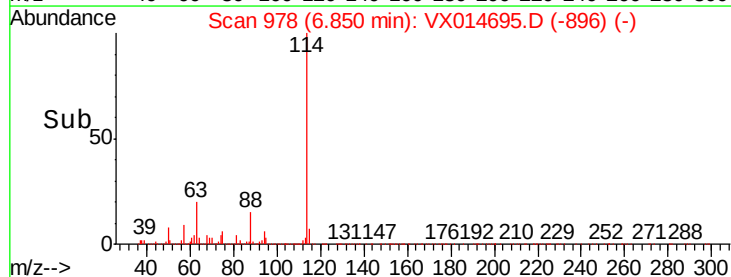
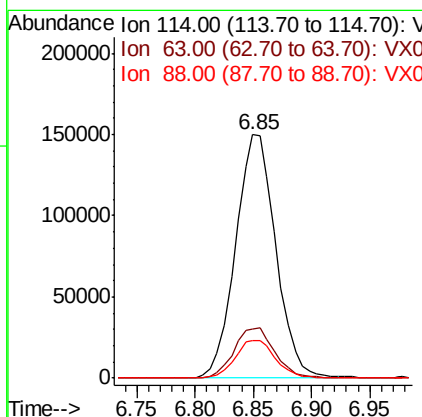
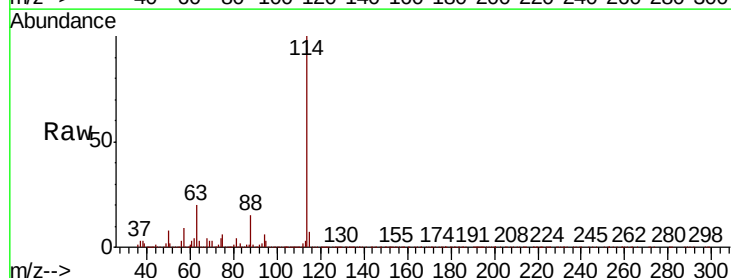
Instrument :
 MSVOA_X
 ClientSampleId :
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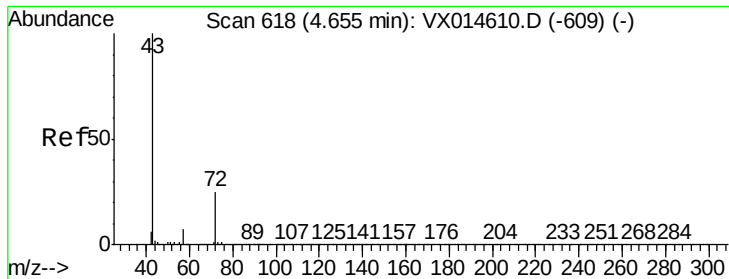
Tot Ion: 65 Resp: 148371
 Ion Ratio Lower Upper
 65 100
 67 54.1 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014695.D
 Acq: 24 Jan 2020 14:21

Tgt Ion: 114 Resp: 359341
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.1 24.1
 88 15.1 12.5 18.7

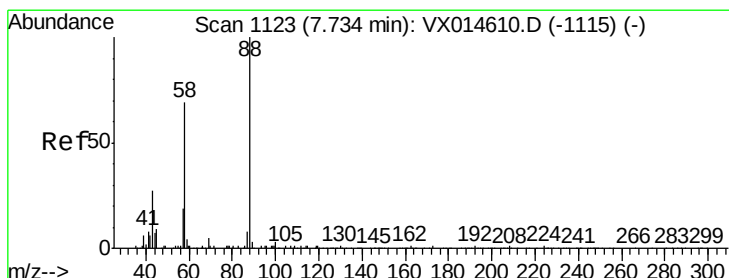
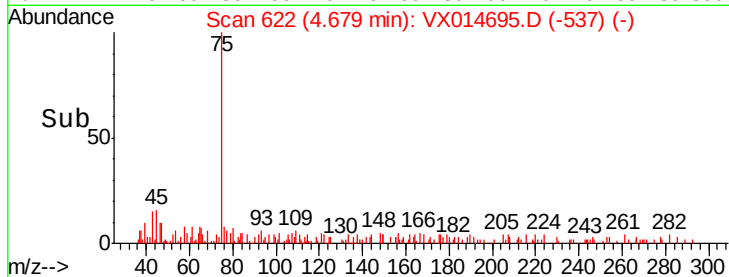
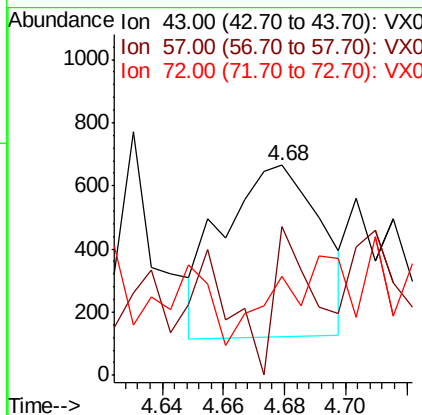
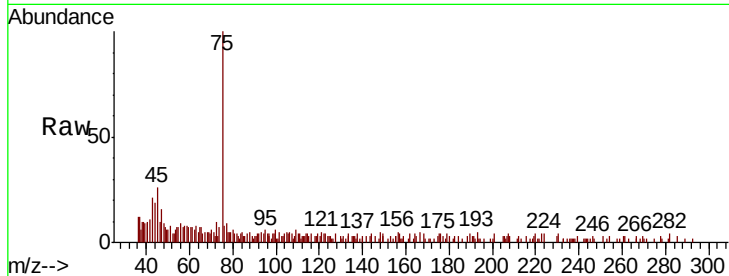




#30
2-Butanone
Concen: 0.361 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014695.D
Acq: 24 Jan 2020 14:21

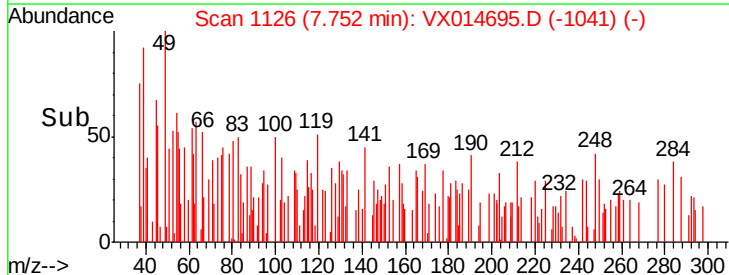
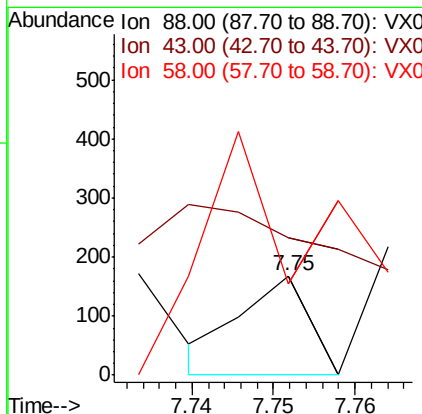
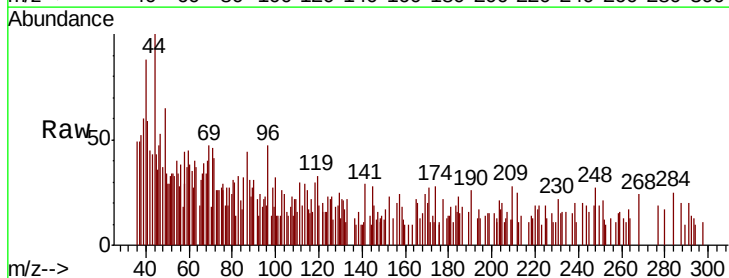
Instrument :
MSVOA_X
ClientSampled :
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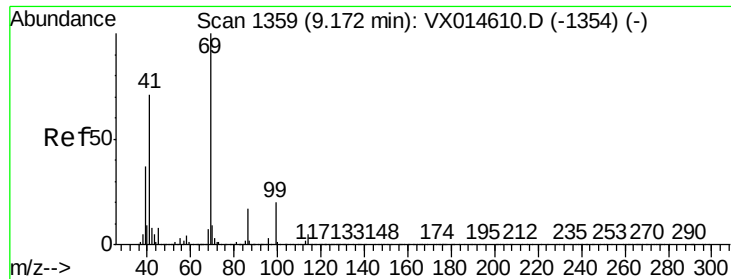
Tot Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
57 37.0 6.2 9.2#
72 17.2 20.3 30.5#



#45
1,4-Dioxane
Concen: 0.995 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX014695.D
Acq: 24 Jan 2020 14:21

Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 112.4 25.4 38.2#
58 277.3 56.5 84.7#





#51

Ethyl methacrylate

Concen: 0.242 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.46 min

Lab File: VX014695.D

Acq: 24 Jan 2020 14:21

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

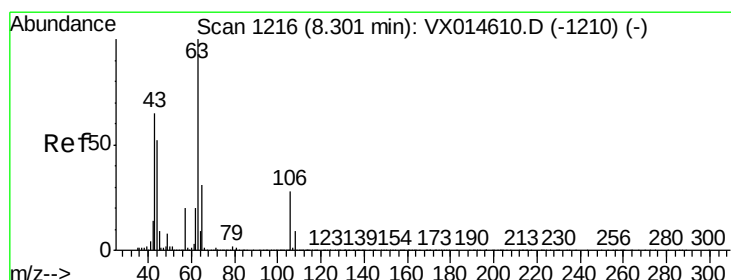
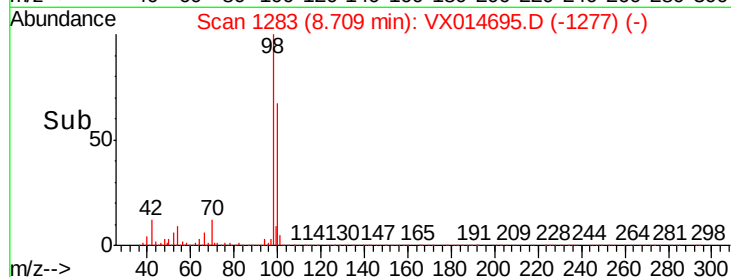
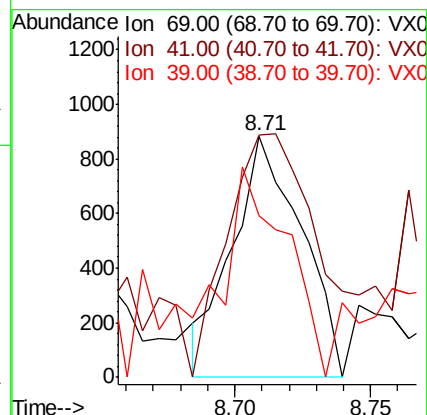
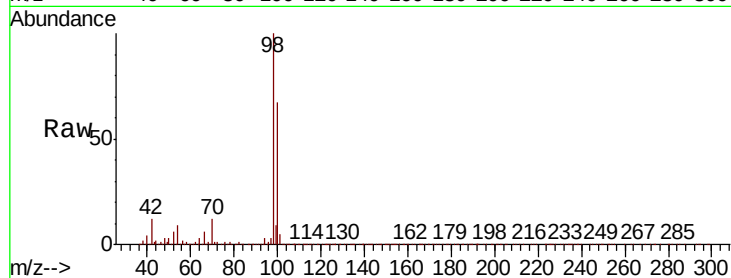
Tot Ion: 69 Resp: 1560

Ion Ratio Lower Upper

69 100

41 100.2 35.4 106.1

39 42.5 17.8 53.3



#55

2-Chloroethyl vinyl ether

Concen: 0.442 ug/l

RT: 8.32 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VX014695.D

Acq: 24 Jan 2020 14:21

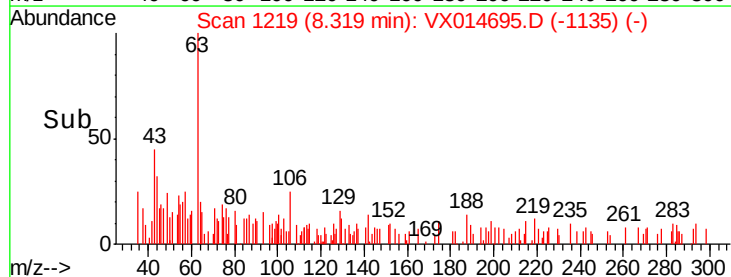
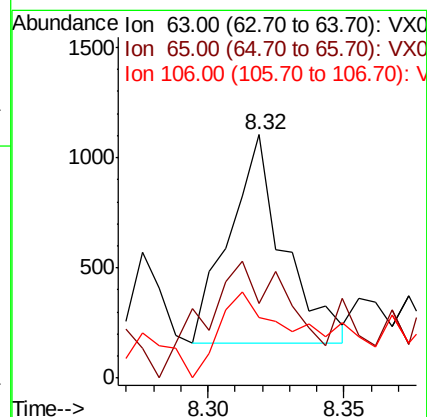
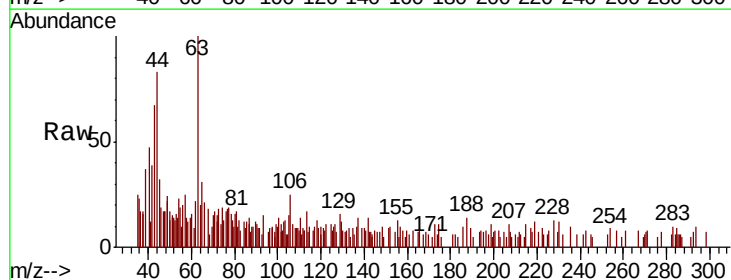
Tgt Ion: 63 Resp: 1310

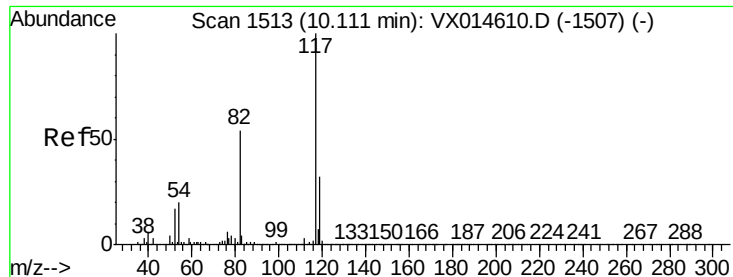
Ion Ratio Lower Upper

63 100

65 55.9 25.8 38.6#

106 43.4 22.9 34.3#

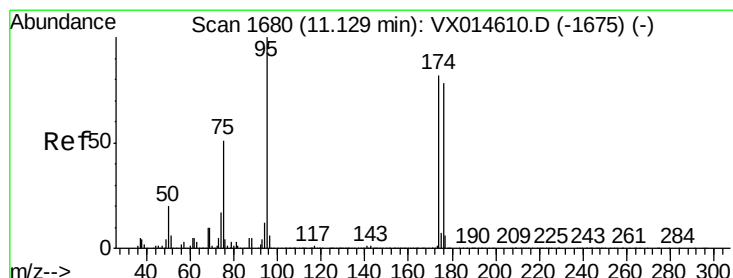
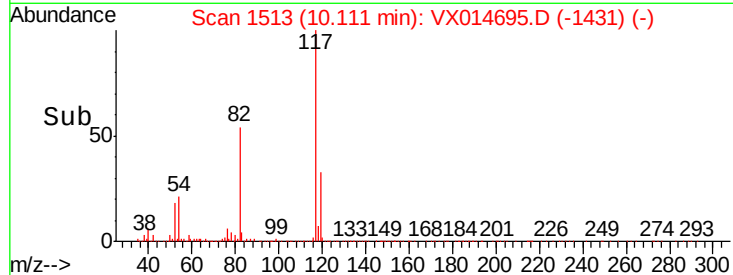
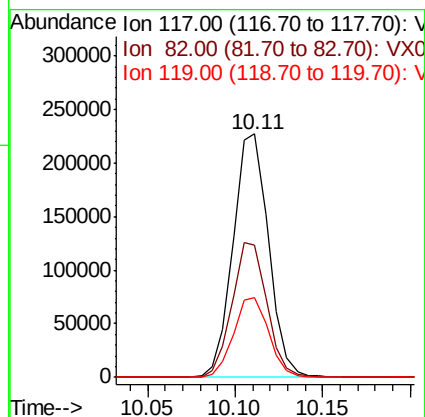
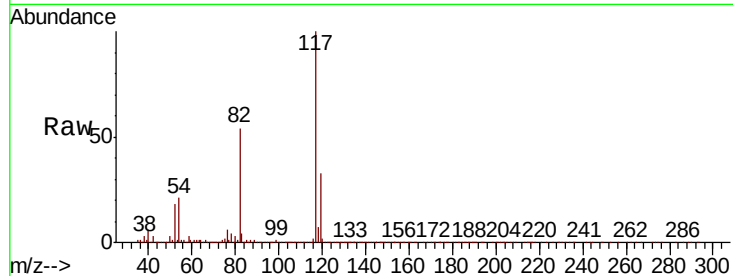




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014695.D
Acq: 24 Jan 2020 14:21

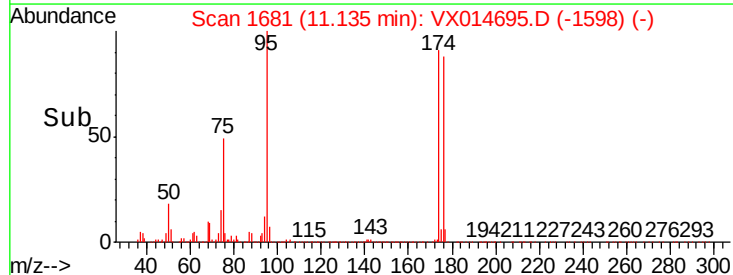
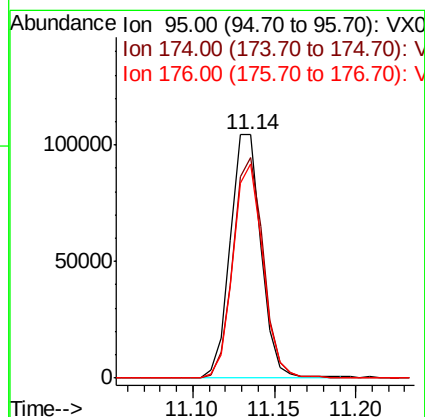
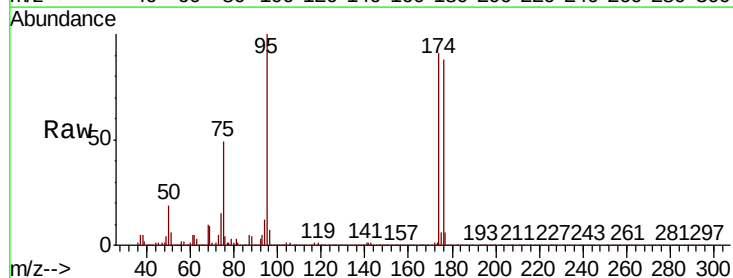
Instrument :
MSVOA_X
ClientSampleId :
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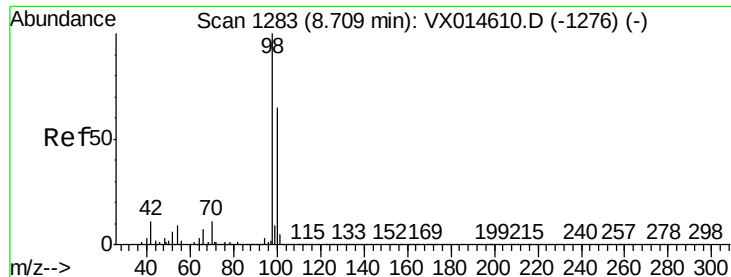
Tot Ion:117 Resp: 321082
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.6
119 32.5 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 26.650 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014695.D
Acq: 24 Jan 2020 14:21

Tgt Ion: 95 Resp: 136928
Ion Ratio Lower Upper
95 100
174 89.8 70.2 105.2
176 86.3 68.3 102.5





#63

Toluene-d8

Concen: 29.870 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014695.D

Acq: 24 Jan 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

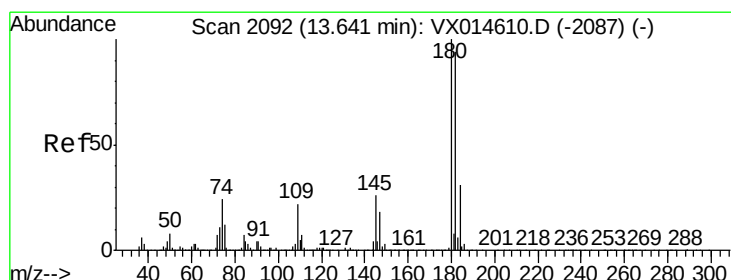
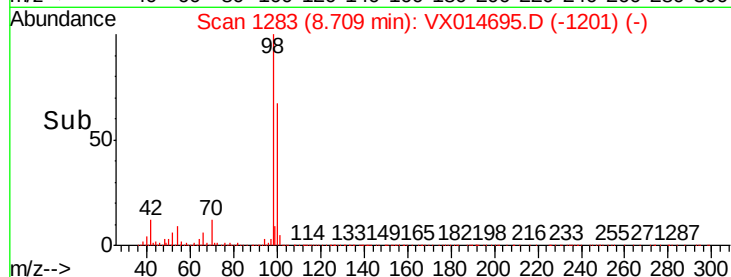
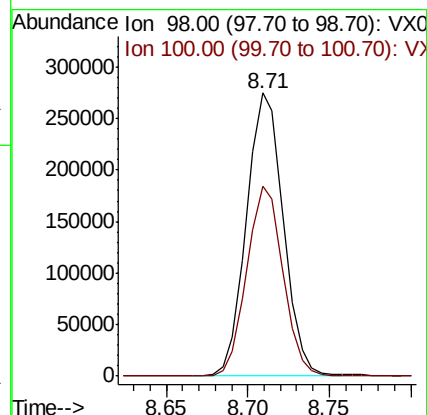
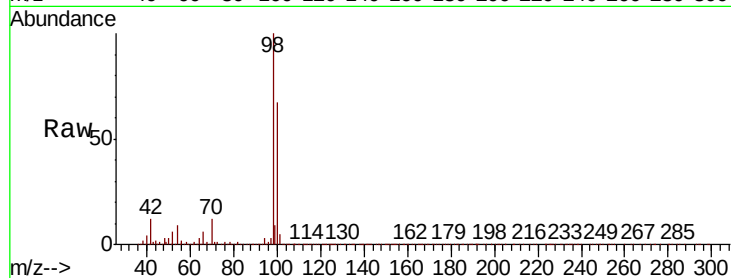
TRIP-BLANK

Tot Ion: 98 Resp: 433204

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2



#89

1,2,4-Trichlorobenzene

Concen: 0.203 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014695.D

Acq: 24 Jan 2020 14:21

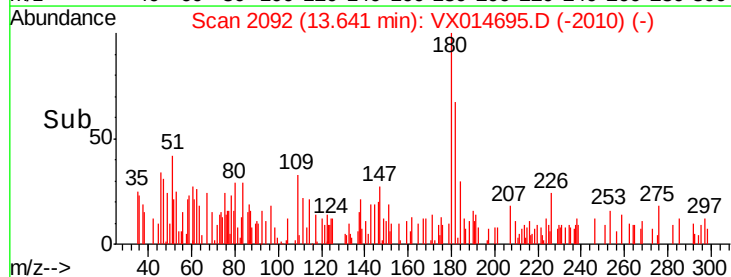
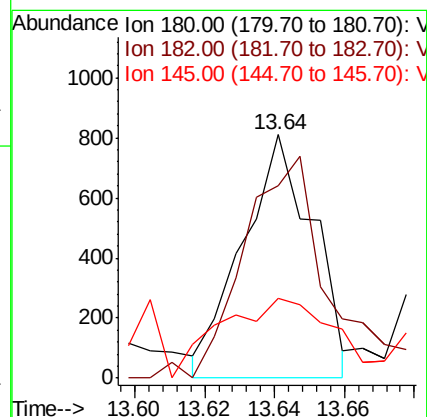
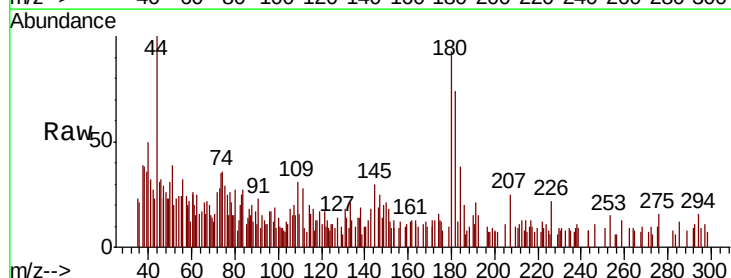
Tgt Ion: 180 Resp: 1135

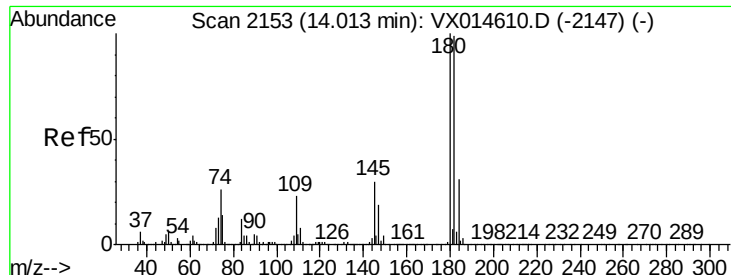
Ion Ratio Lower Upper

180 100

182 107.8 76.4 114.6

145 29.3 21.9 32.9





#92

1,2,3-Trichlorobenzene

Concen: 0.233 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014695.D

Acq: 24 Jan 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

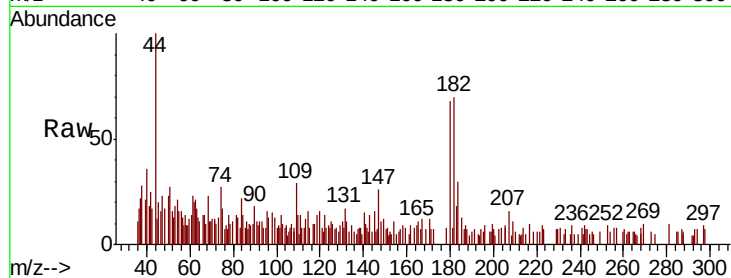
Tot Ion:180 Resp: 1326

Ion Ratio Lower Upper

180 100

182 88.6 0.0 192.8

145 14.6 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

