

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014495.D
 Acq On : 09 Jan 2020 13:39
 Operator : JC/SP
 Sample : L1041-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 14:37:28 2020
 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	5.01	128	78474	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.85	114	436200	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	394264	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	168029	29.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.67%
60) 4-Bromofluorobenzene	11.14	95	179372	28.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.90%
63) Toluene-d8	8.71	98	526240	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

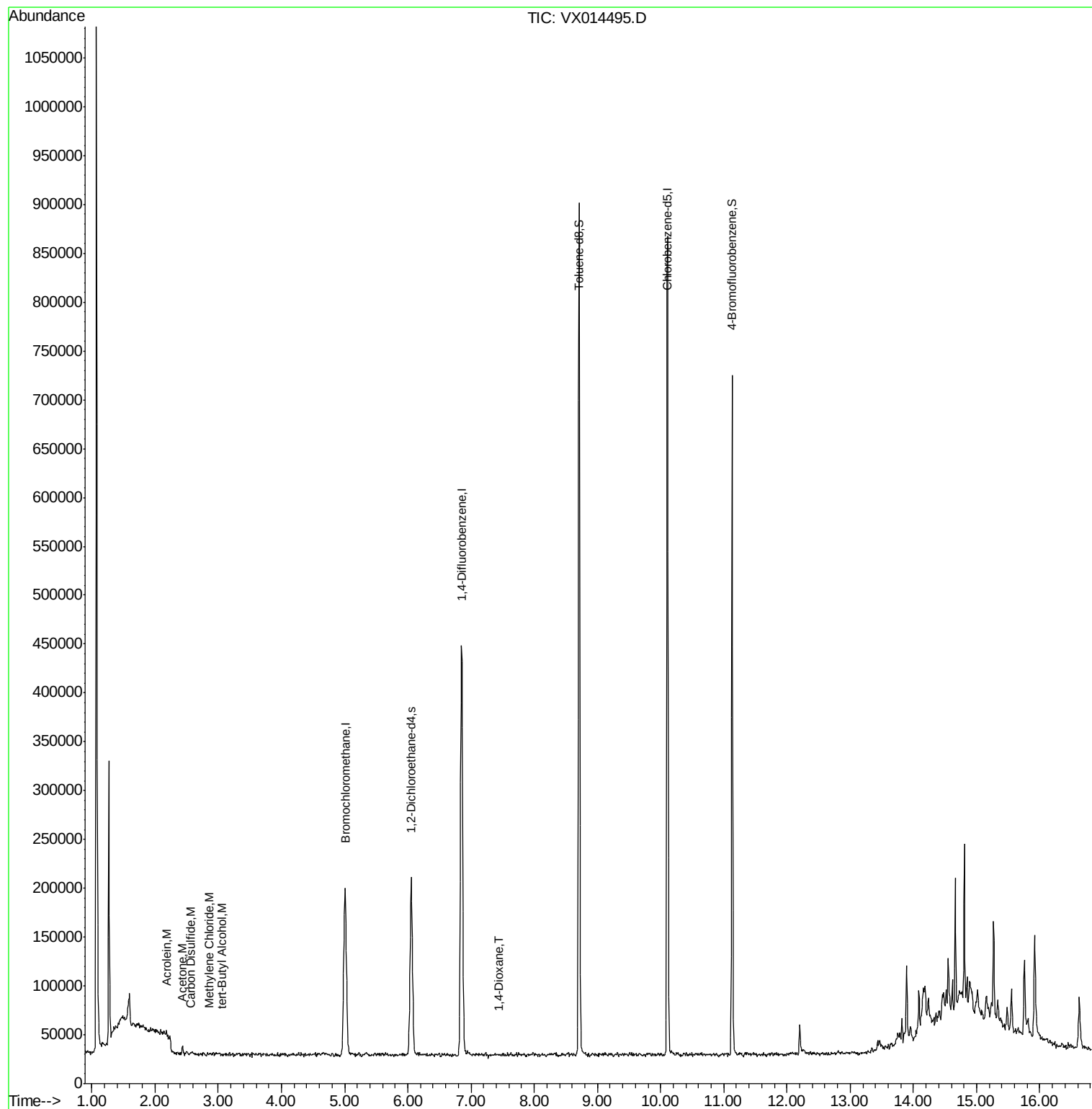
					Ovalue
13) Acrolein	2.17	56	220	0.267 ug/l	95
15) Acetone	2.43	58	1591	2.036 ug/l	87
16) Carbon Disulfide	2.56	76	2497	0.210 ug/l #	62
18) Methylene Chloride	2.86	84	1107	0.206 ug/l #	66
23) tert-Butyl Alcohol	3.06	59	513	0.492 ug/l #	77
45) 1,4-Dioxane	7.43	88	460	4.116 ug/l	87

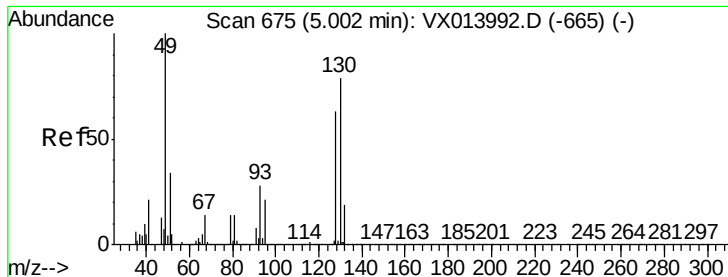
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014495.D

Acq: 09 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

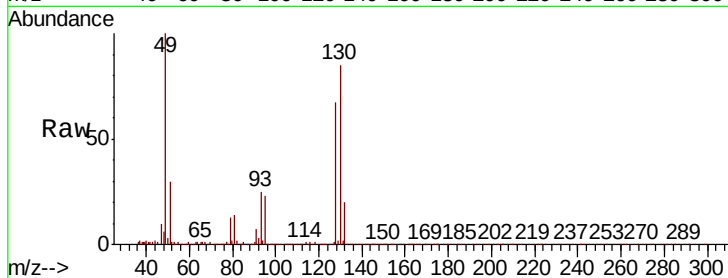
Tot Ion:128 Resp: 78474

Ion Ratio Lower Upper

128 100

49 158.6 0.0 405.0

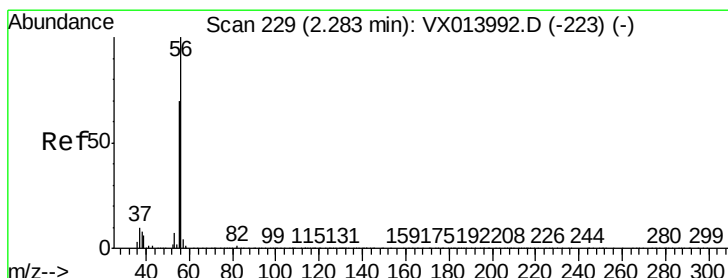
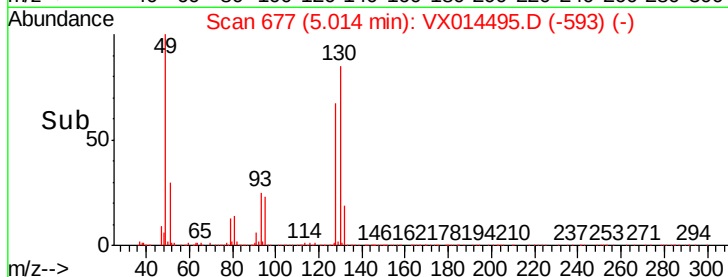
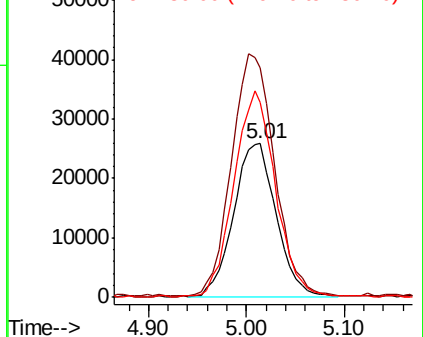
130 131.1 0.0 321.5



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



#13

Acrolein

Concen: 0.267 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.11 min

Lab File: VX014495.D

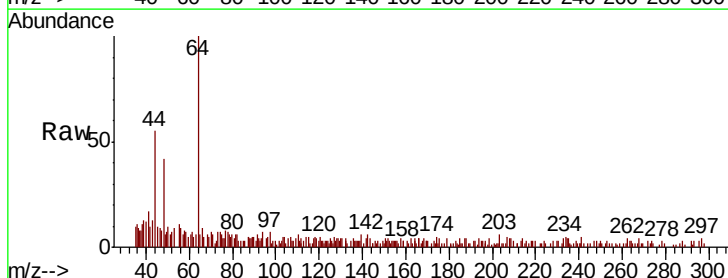
Acq: 09 Jan 2020 13:39

Tgt Ion: 56 Resp: 220

Ion Ratio Lower Upper

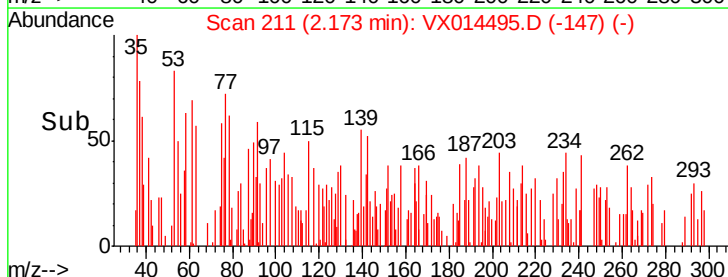
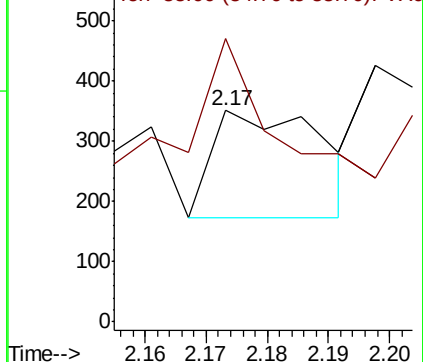
56 100

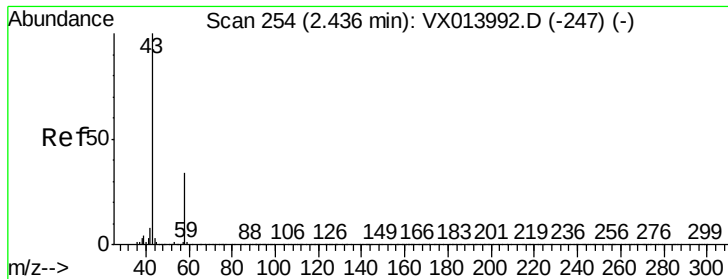
55 64.5 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

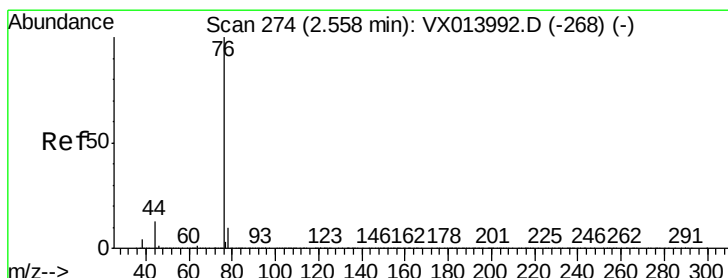
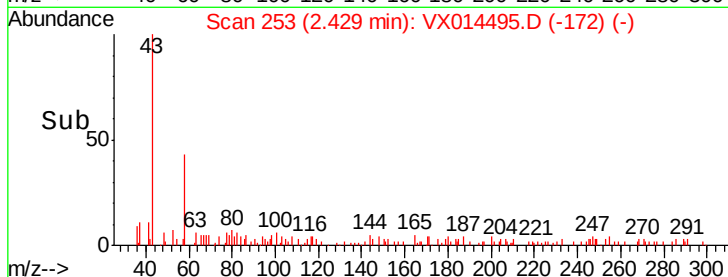
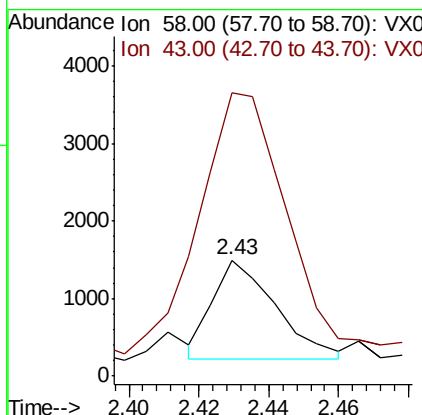
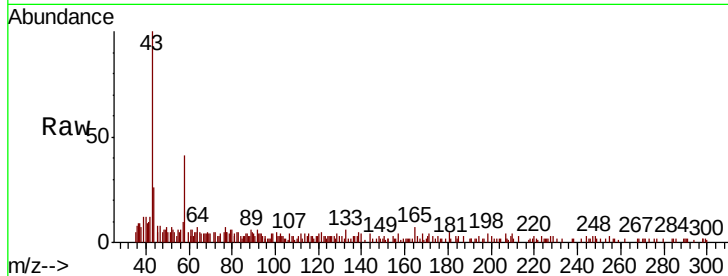




#15
Acetone
Concen: 2.036 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

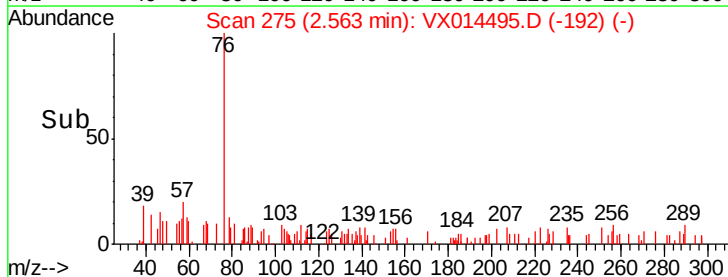
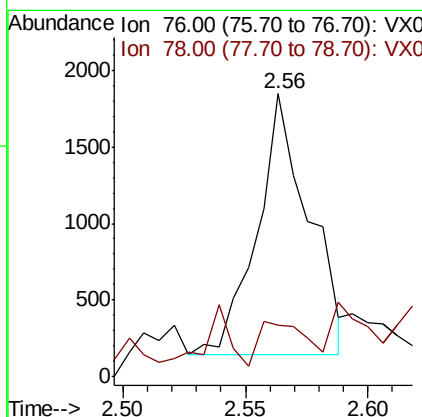
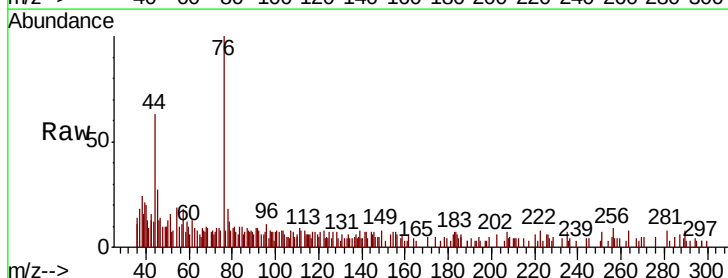
Instrument :
MSVOA_X
ClientSampleId :

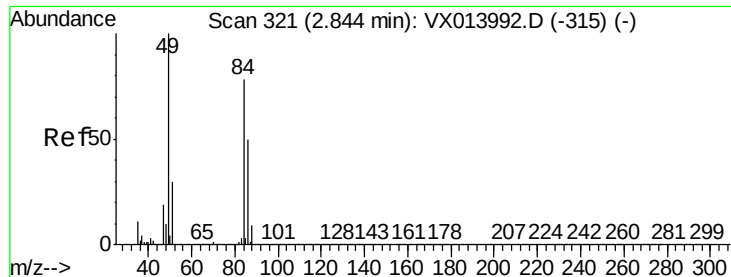
Tot Ion: 58 Resp: 1591
Ion Ratio Lower Upper
58 100
43 269.3 236.3 354.5



#16
Carbon Disulfide
Concen: 0.210 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

Tgt Ion: 76 Resp: 2497
Ion Ratio Lower Upper
76 100
78 23.8 7.8 11.8#

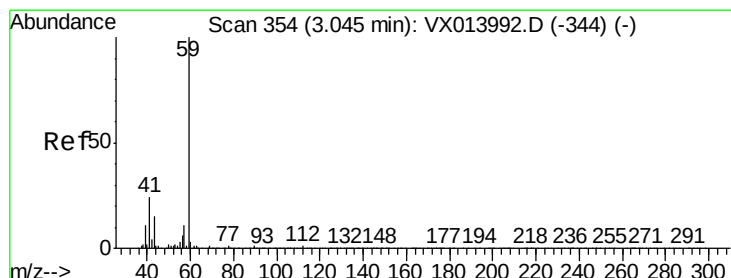
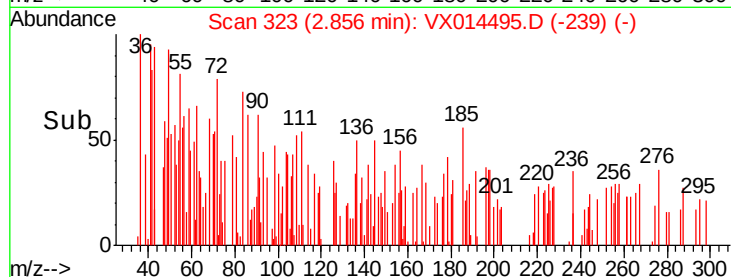
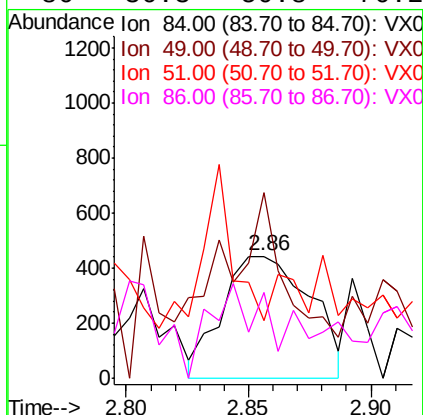
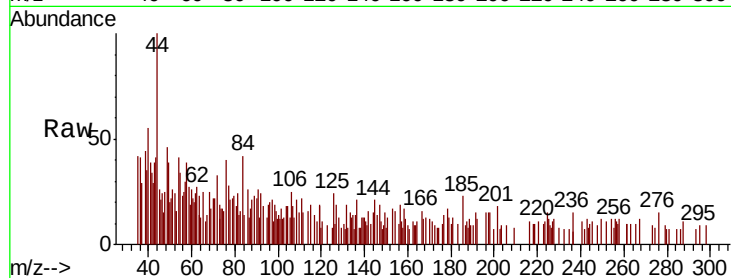




#18
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

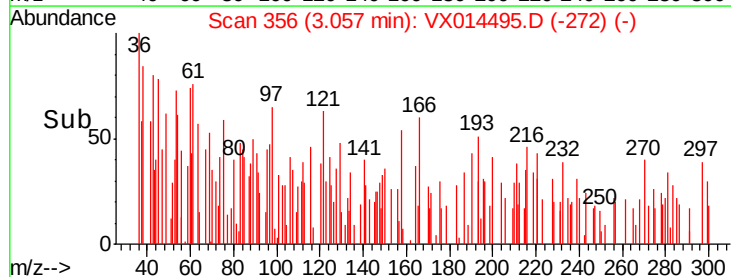
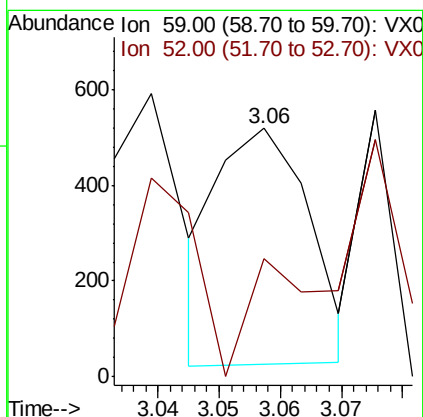
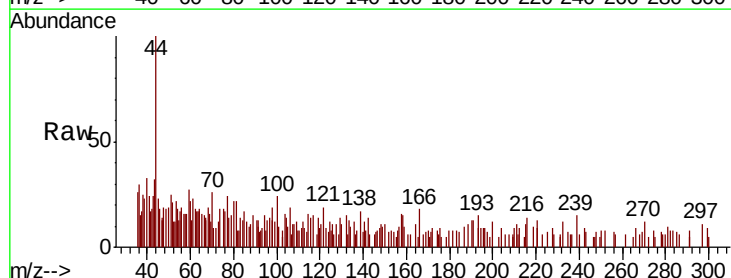
Instrument :
MSVOA_X
ClientSampled :

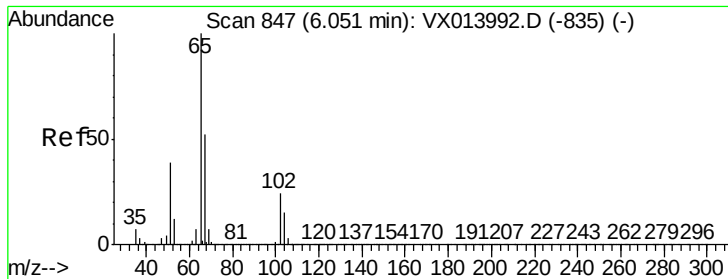
Tot Ion: 84 Resp: 1107
Ion Ratio Lower Upper
84 100
49 100.5 102.2 153.2#
51 0.0 31.4 47.0#
86 36.3 50.8 76.2#



#23
tert-Butyl Alcohol
Concen: 0.492 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.01 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
52 30.2 0.2 0.2#

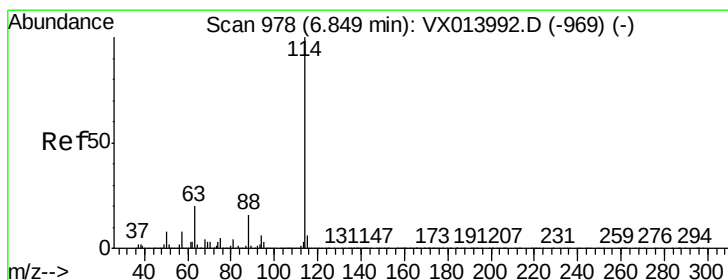
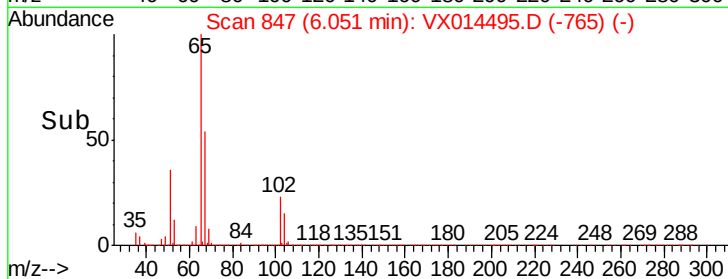
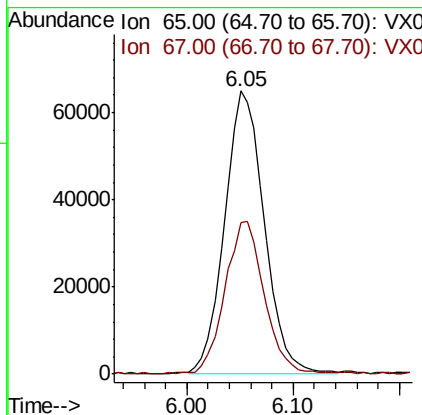
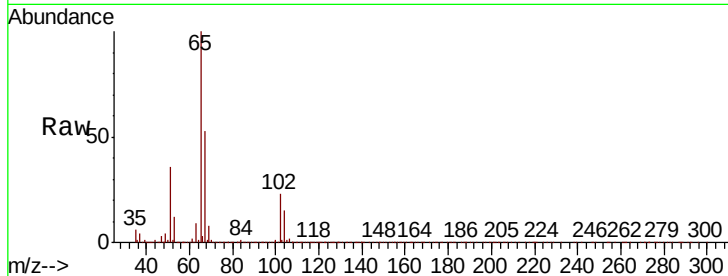




#27
 1,2-Dichloroethane-d4
 Concen: 29.898 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014495.D
 Acq: 09 Jan 2020 13:39

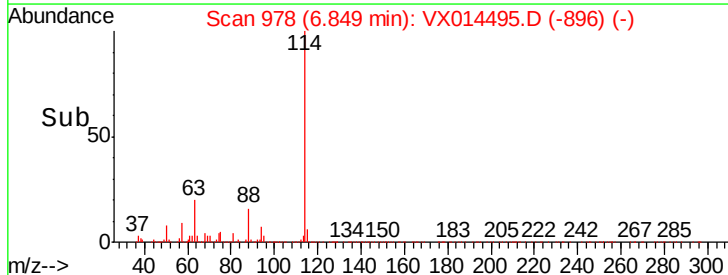
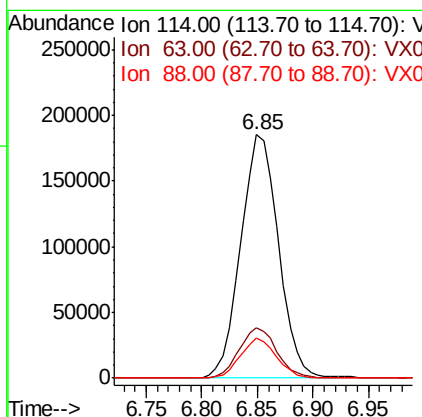
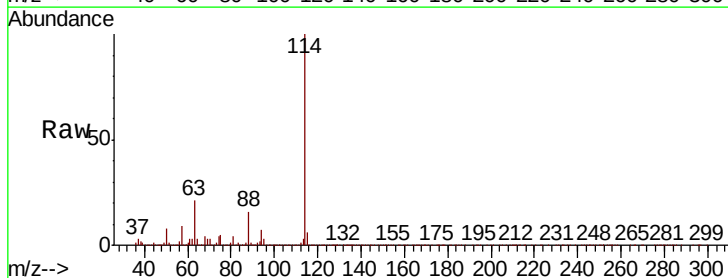
Instrument :
 MSVOA_X
 ClientSampleId :

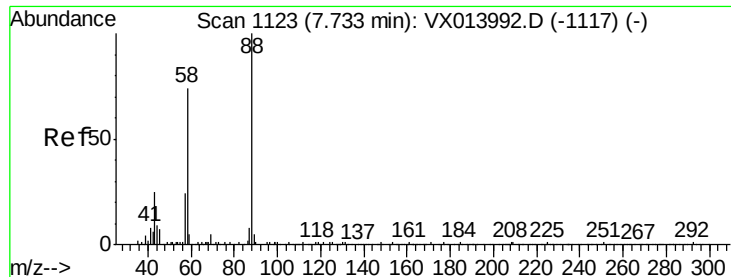
Tot Ion: 65 Resp: 168029
 Ion Ratio Lower Upper
 65 100
 67 52.9 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014495.D
 Acq: 09 Jan 2020 13:39

Tgt Ion: 114 Resp: 436200
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 15.5 12.5 18.7

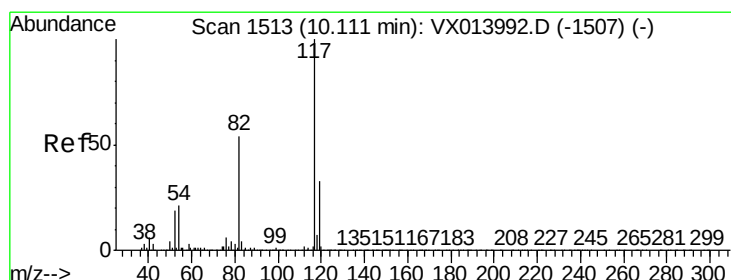
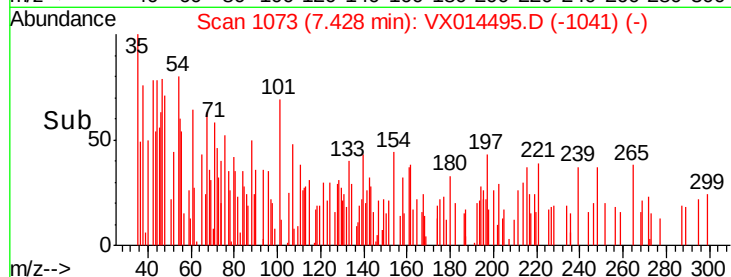
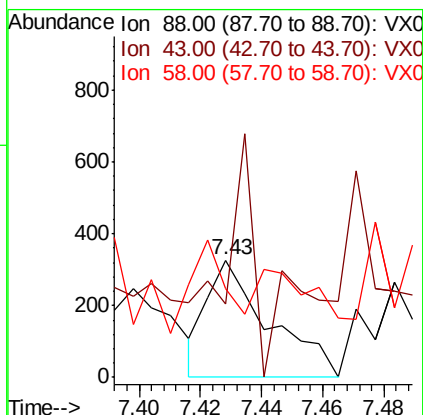
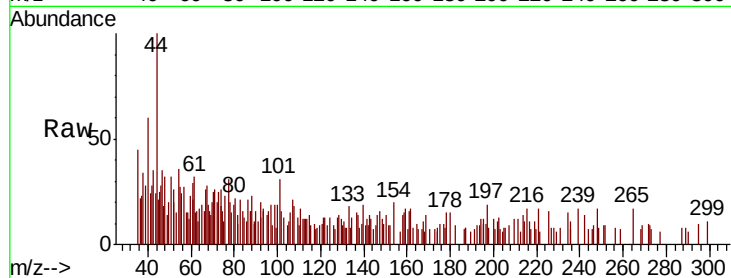




#45
1,4-Dioxane
Concen: 4.116 ug/l
RT: 7.43 min Scan# 1073
Delta R.T. -0.30 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

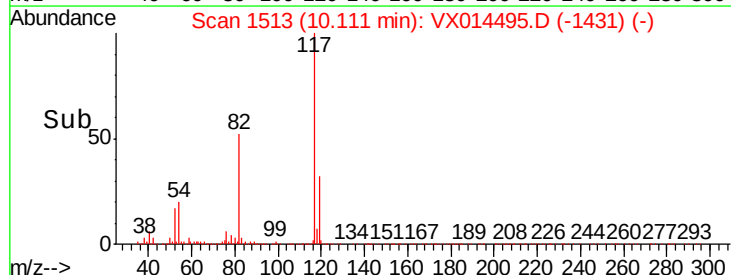
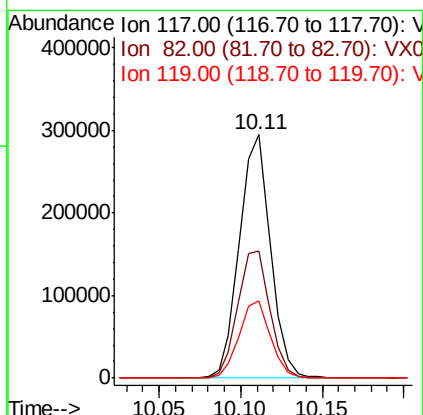
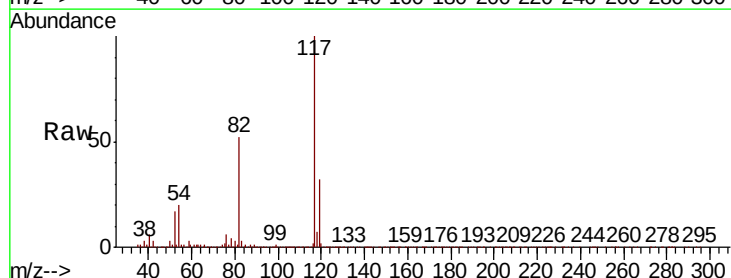
Instrument :
MSVOA_X
ClientSampled :

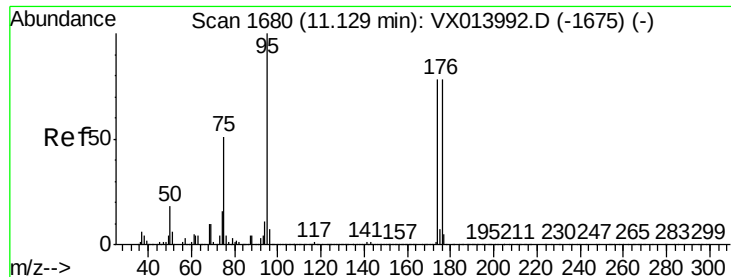
Tot Ion: 88 Resp: 460
Ion Ratio Lower Upper
88 100
43 34.6 25.4 38.2
58 57.2 56.5 84.7



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

Tgt Ion: 117 Resp: 394264
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.6
119 32.1 25.8 38.6

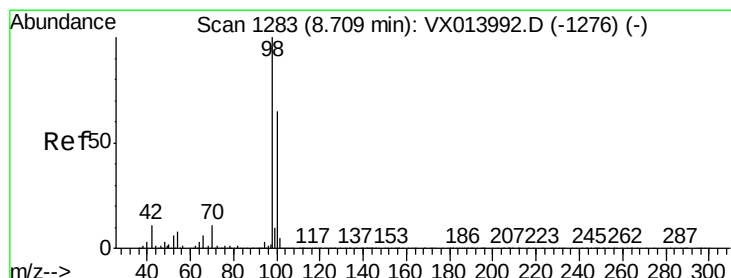
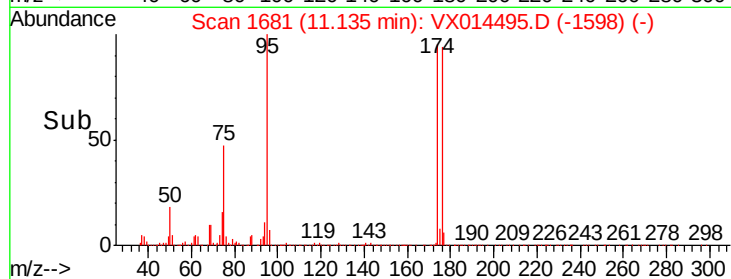
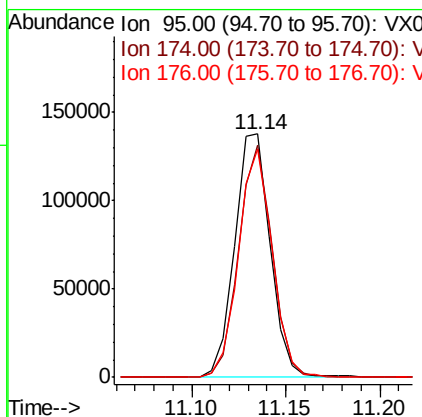
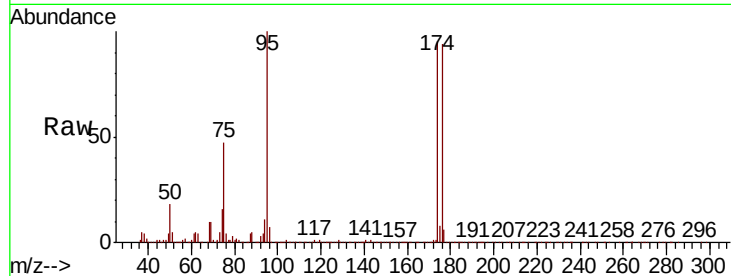




#60
4-Bromofluorobenzene
Concen: 28.174 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 179372
Ion Ratio Lower Upper
95 100
174 90.3 70.2 105.2
176 89.3 68.3 102.5



#63
Toluene-d8
Concen: 29.861 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014495.D
Acq: 09 Jan 2020 13:39

Tgt Ion: 98 Resp: 526240
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2

