

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
 Data File : VX014823.D
 Acq On : 05 Feb 2020 15:31
 Operator : JC/SP
 Sample : L1377-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 03:06:04 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	67160	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	357027	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	319390	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	144308	30.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.90%
60) 4-Bromofluorobenzene	11.13	95	139615	27.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.07%
63) Toluene-d8	8.71	98	425664	29.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.37%

Target Compounds

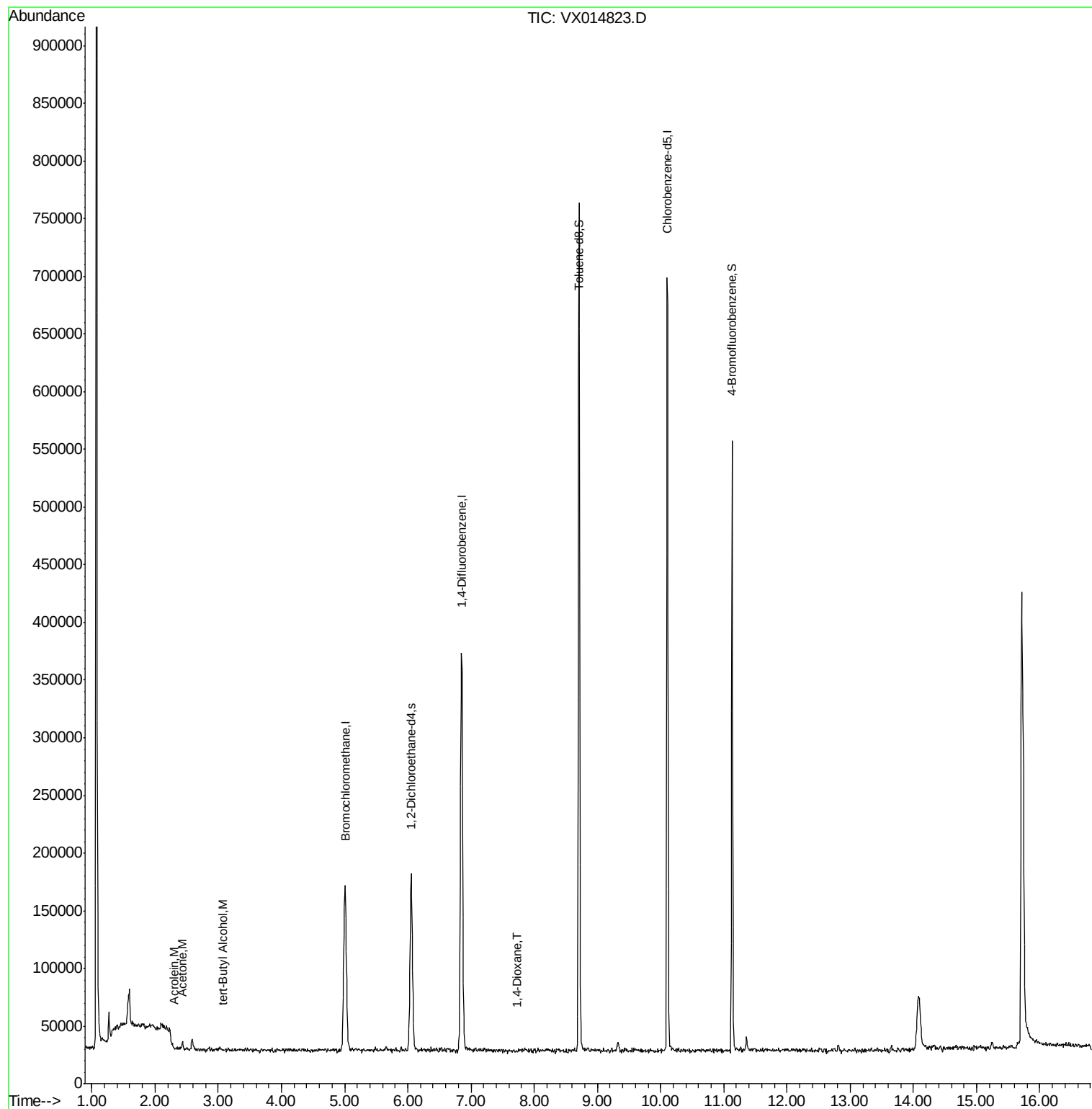
					Ovalue
13) Acrolein	2.31	56	384	0.544 ug/l	83
15) Acetone	2.44	58	1986	2.578 ug/l	85
23) tert-Butyl Alcohol	3.07	59	249	0.262 ug/l #	7
45) 1,4-Dioxane	7.73	88	269	2.776 ug/l #	59

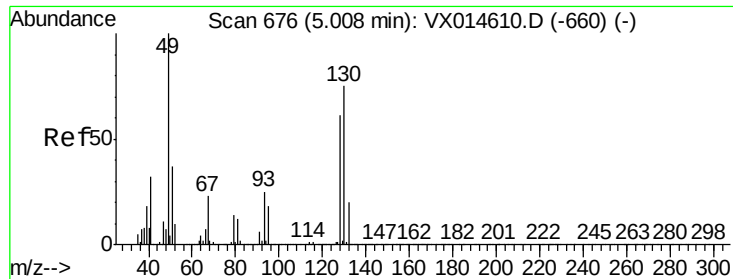
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 15 12:41:12 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: VX014823.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

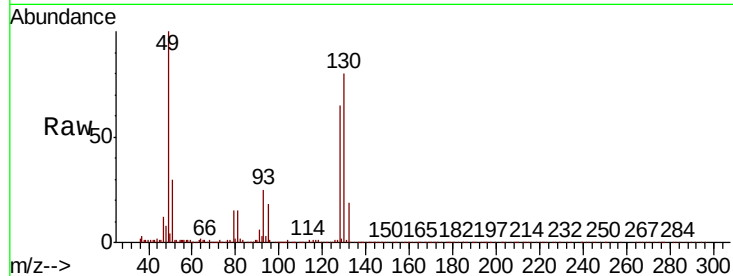
Tot Ion:128 Resp: 67160

Ion Ratio Lower Upper

128 100

49 153.0 0.0 405.0

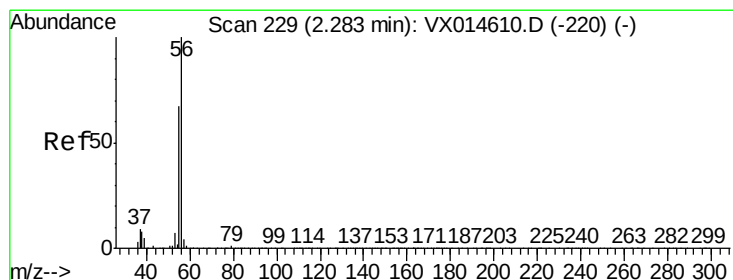
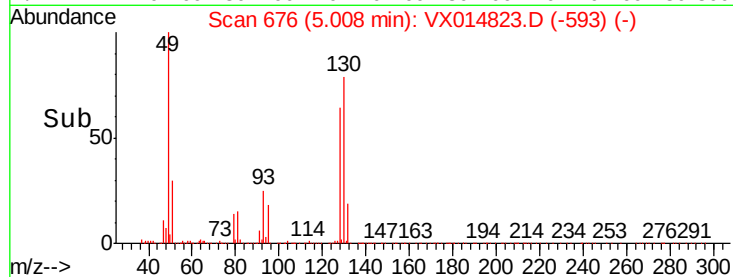
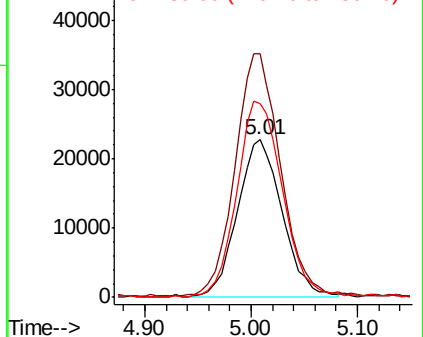
130 126.5 0.0 321.5



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: 0.544 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX014823.D

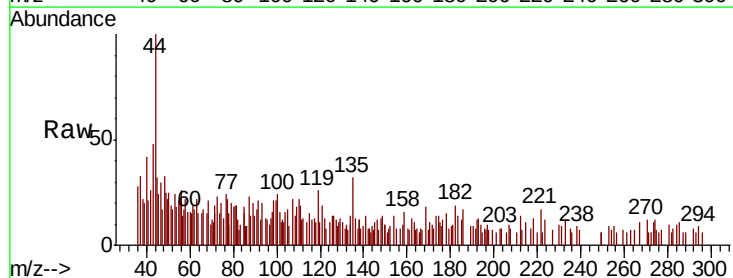
Acq: 05 Feb 2020 15:31

Tgt Ion: 56 Resp: 384

Ion Ratio Lower Upper

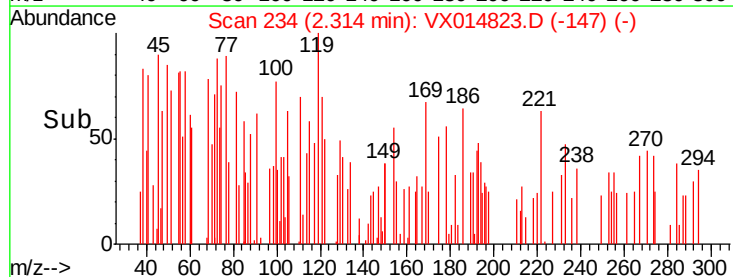
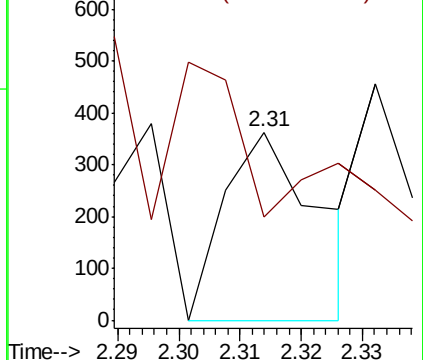
56 100

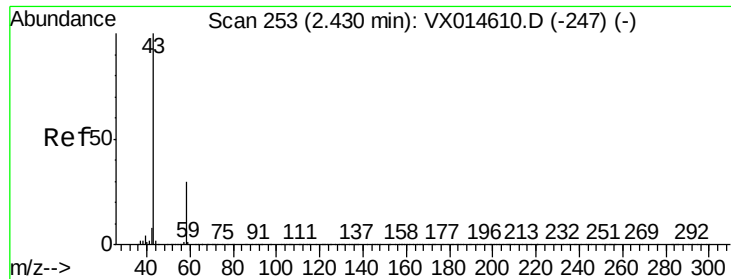
55 54.9 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 2.578 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014823.D

Acq: 05 Feb 2020 15:31

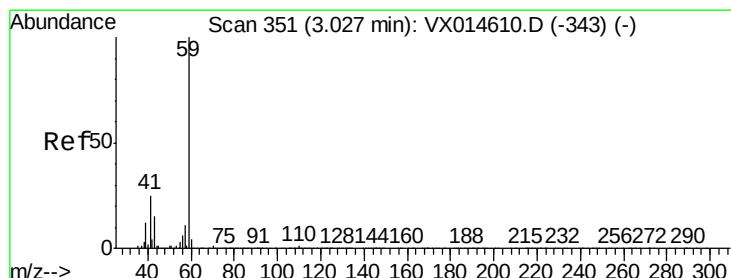
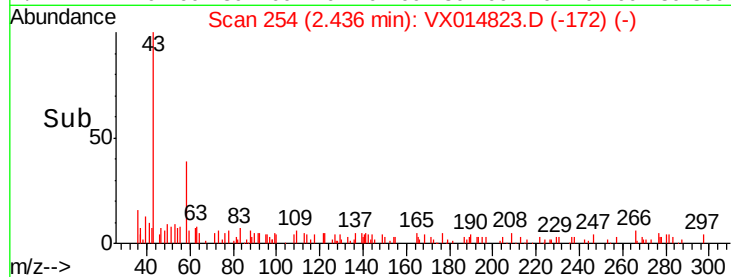
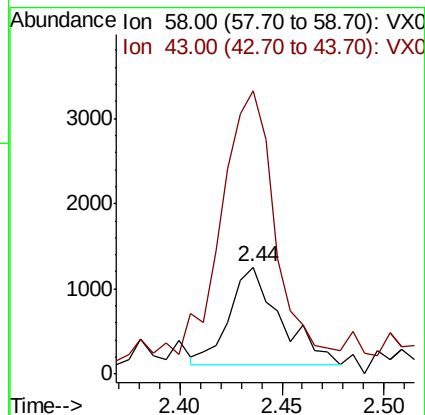
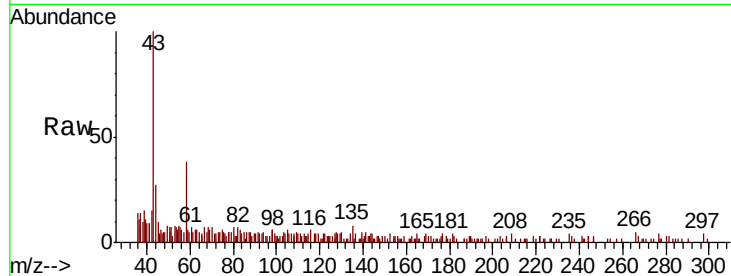
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 58 Resp: 1986

Ion Ratio Lower Upper

58 100

43 265.8 236.3 354.5



#23

tert-Butyl Alcohol

Concen: 0.262 ug/l

RT: 3.07 min Scan# 358

Delta R.T. 0.02 min

Lab File: VX014823.D

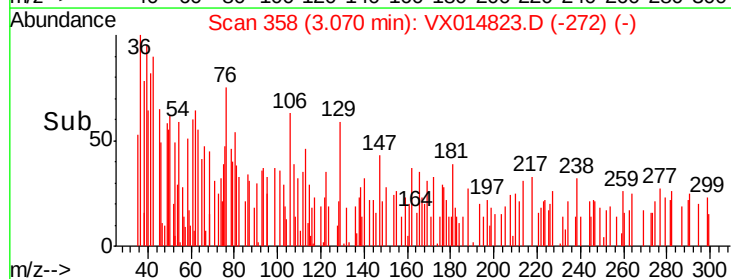
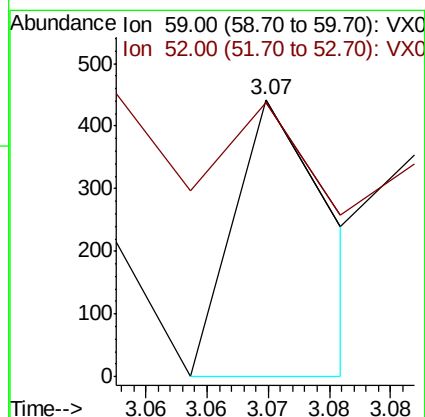
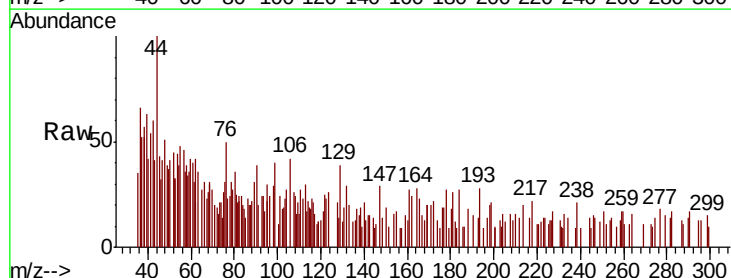
Acq: 05 Feb 2020 15:31

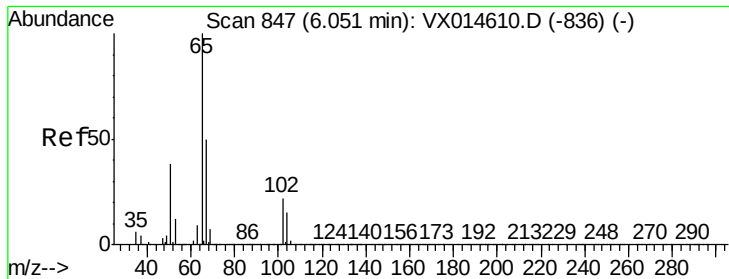
Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

59 100

52 119.7 0.2 0.2#

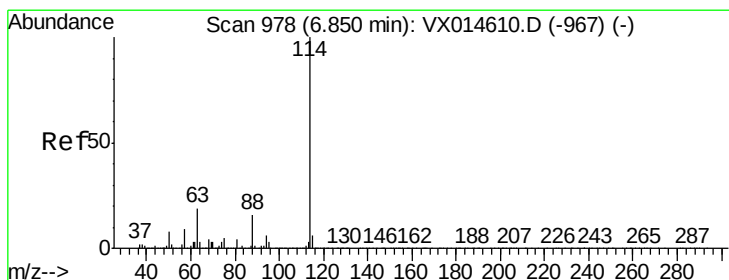
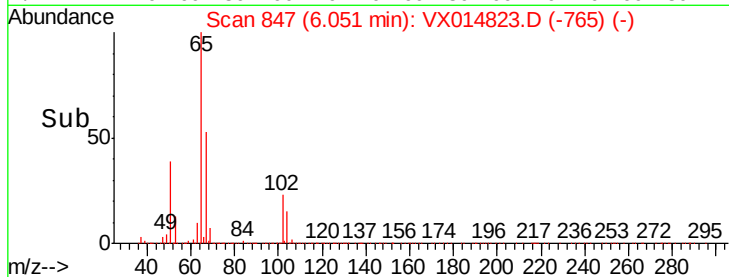
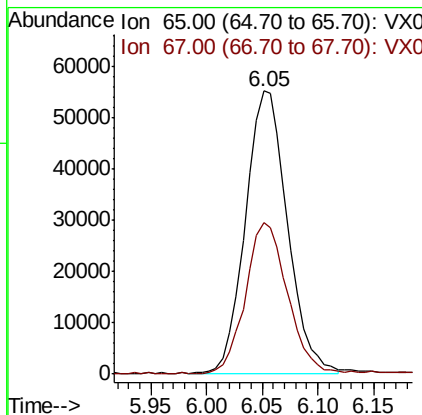
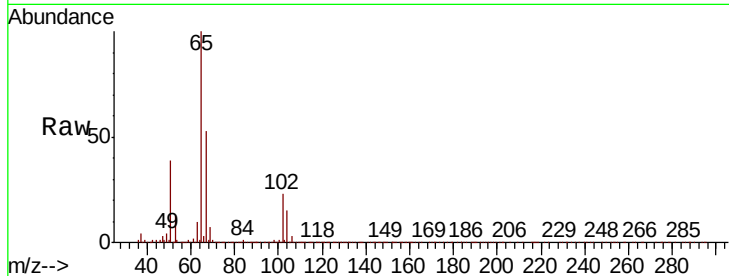




#27
 1,2-Dichloroethane-d4
 Concen: 30.570 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014823.D
 Acq: 05 Feb 2020 15:31

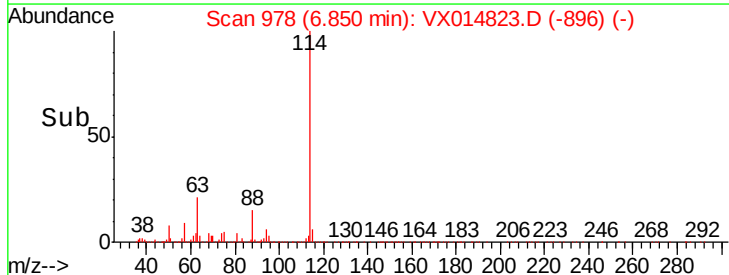
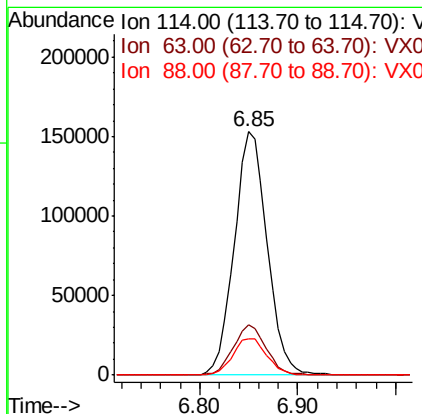
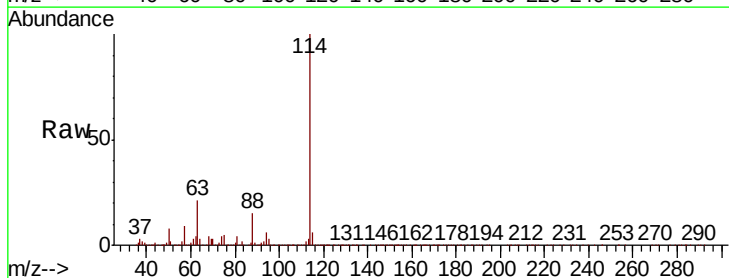
Instrument :
 MSVOA_X
 ClientSampleId :

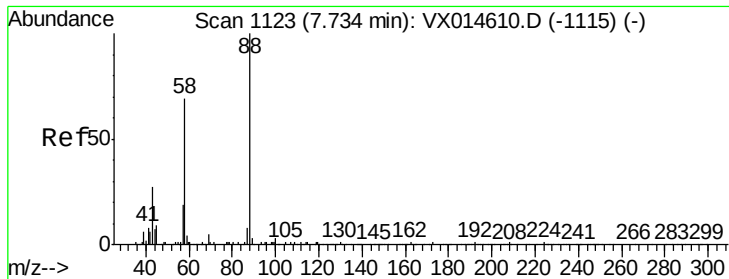
Tot Ion: 65 Resp: 144308
 Ion Ratio Lower Upper
 65 100
 67 53.3 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014823.D
 Acq: 05 Feb 2020 15:31

Tgt Ion: 114 Resp: 357027
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.1 24.1
 88 15.4 12.5 18.7

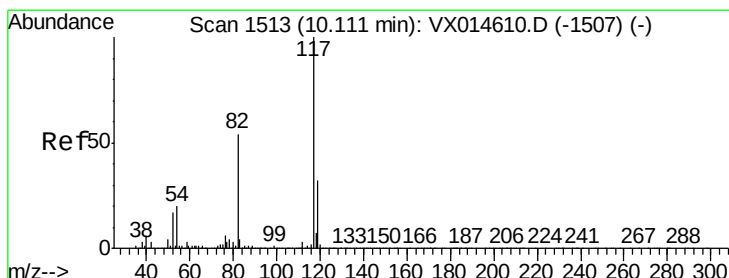
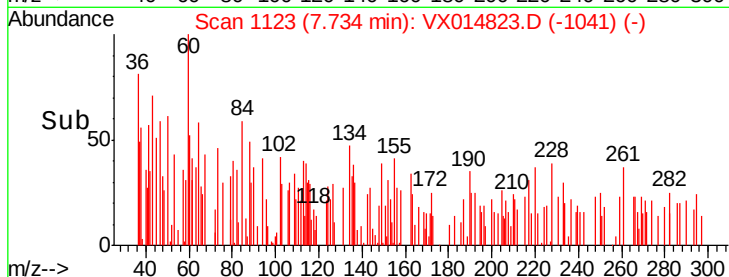
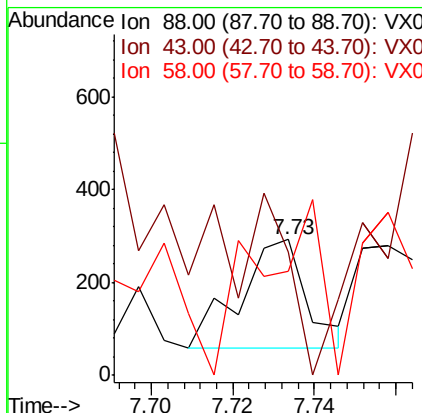
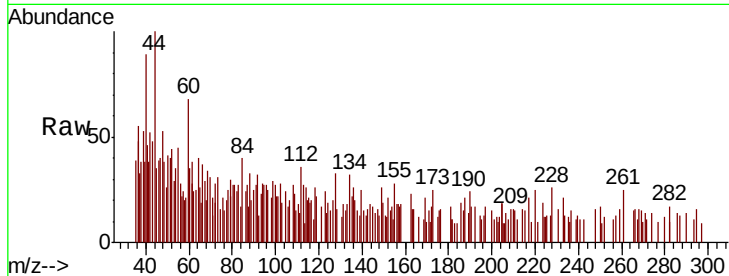




#45
1,4-Dioxane
Concen: 2.776 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014823.D
Acq: 05 Feb 2020 15:31

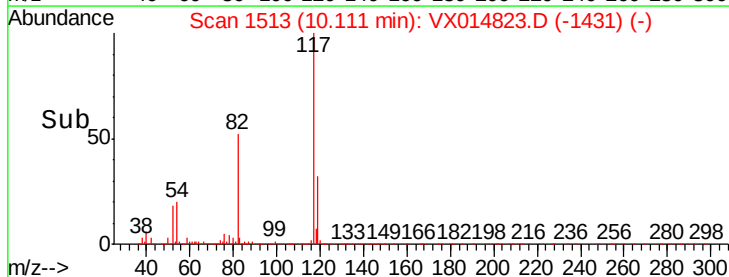
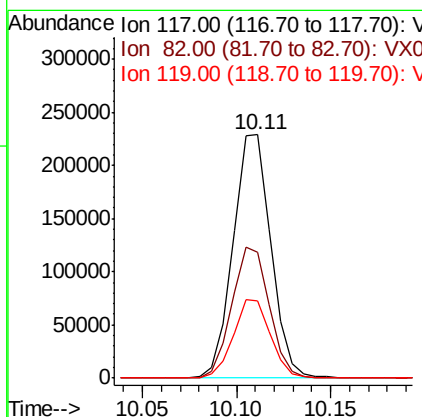
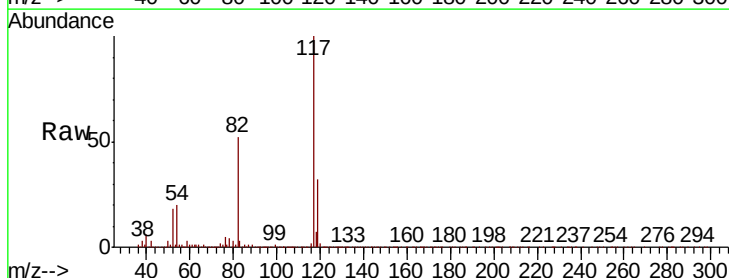
Instrument :
MSVOA_X
ClientSampleId :

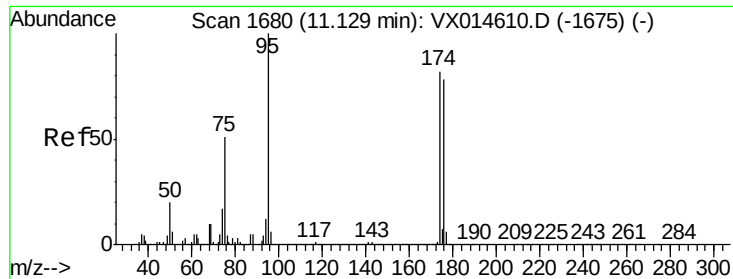
Tot Ion: 88 Resp: 269
Ion Ratio Lower Upper
88 100
43 89.2 25.4 38.2#
58 81.8 56.5 84.7



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014823.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 117 Resp: 319390
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.6
119 31.8 25.8 38.6

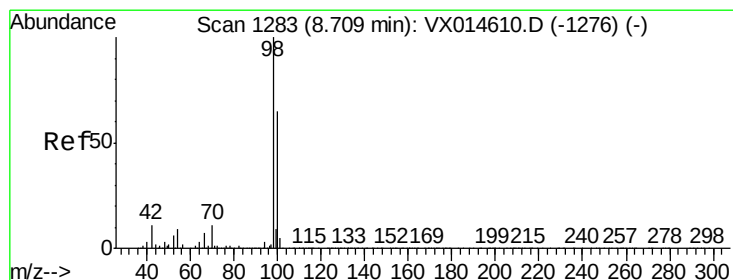
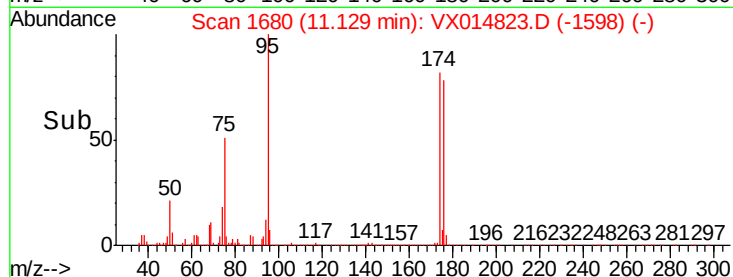
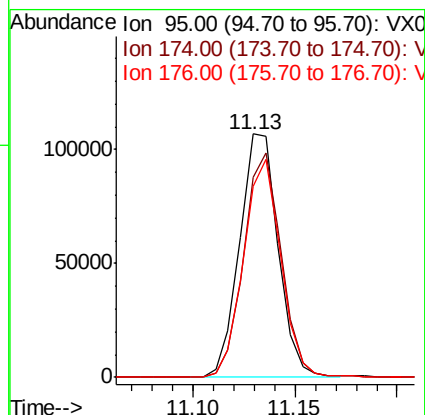
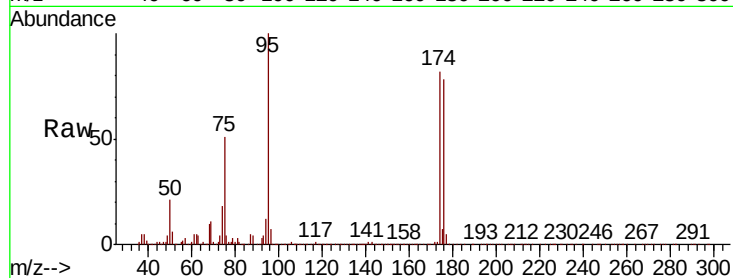




#60
4-Bromofluorobenzene
Concen: 27.317 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014823.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.7	70.2	105.2
176	87.1	68.3	102.5



#63
Toluene-d8
Concen: 29.505 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014823.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2

