

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX014001.D
 Acq On : 13 Dec 2019 03:54
 Operator : JC/SP
 Sample : K6198-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391205074.2

Quant Time: Dec 13 04:42:47 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	5.00	128	94077	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	505247	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	453507	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	197644	29.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.77%
60) 4-Bromofluorobenzene	11.14	95	199438	27.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.77%
63) Toluene-d8	8.71	98	614818	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

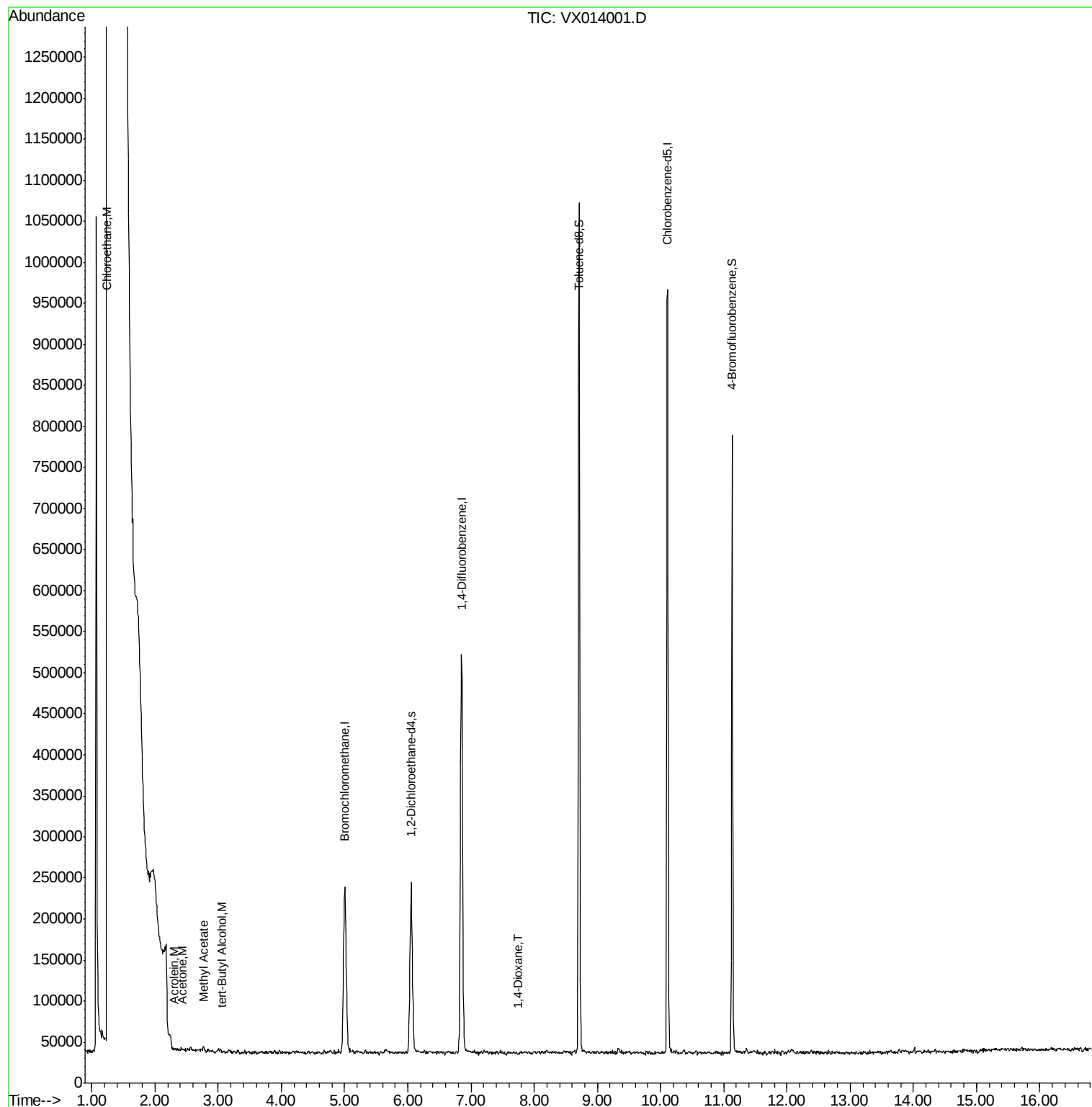
					Ovalue	
6) Chloroethane	1.23	64	3065735	722.860	ug/l #	1
12) Methyl Acetate	2.76	43	7119	0.873	ug/l	92
13) Acrolein	2.29	56	247	0.250	ug/l	98
15) Acetone	2.44	58	927	0.990	ug/l	81
23) tert-Butyl Alcohol	3.06	59	533	0.426	ug/l #	42
45) 1,4-Dioxane	7.75	88	527	4.071	ug/l #	73

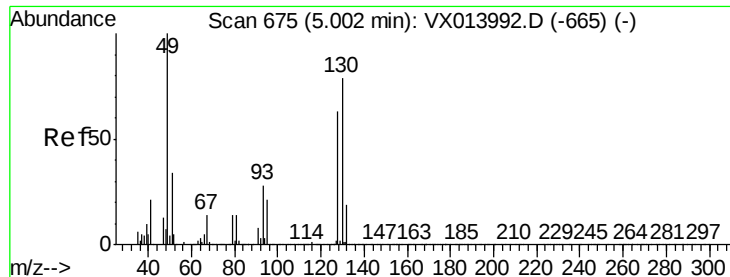
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014001.D

Acq: 13 Dec 2019 03:54

Instrument :

MSVOA_X

ClientSampleId :

391205074.2

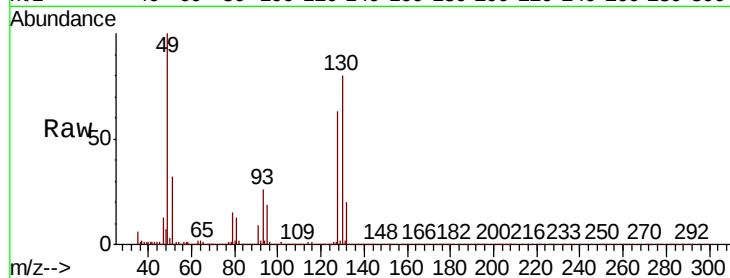
Tot Ion:128 Resp: 94077

Ion Ratio Lower Upper

128 100

49 159.2 0.0 405.0

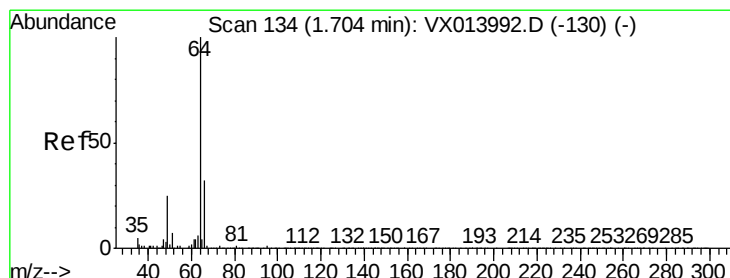
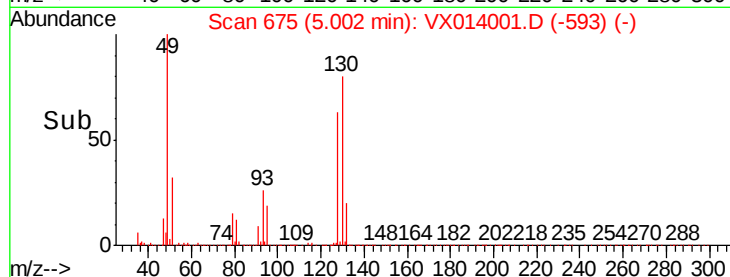
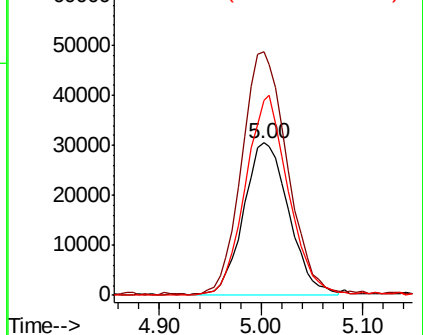
130 123.8 0.0 321.5



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



#6

Chloroethane

Concen: 722.860 ug/l

RT: 1.23 min Scan# 57

Delta R.T. -0.47 min

Lab File: VX014001.D

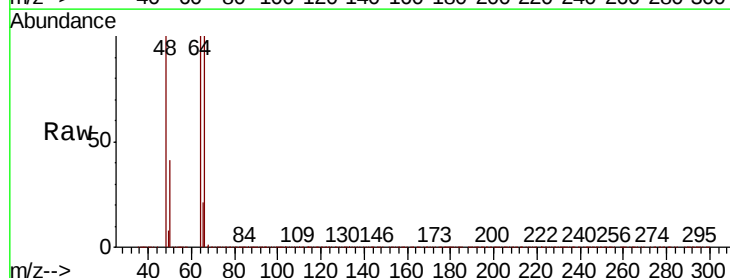
Acq: 13 Dec 2019 03:54

Tgt Ion: 64 Resp: 3065735

Ion Ratio Lower Upper

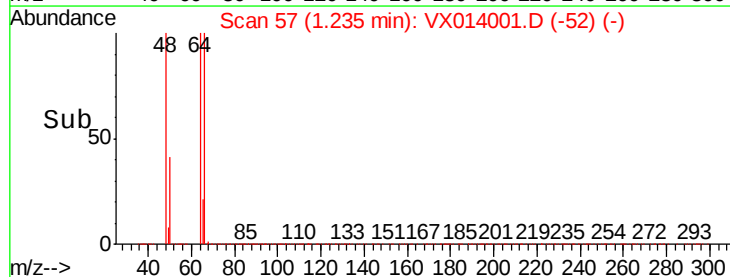
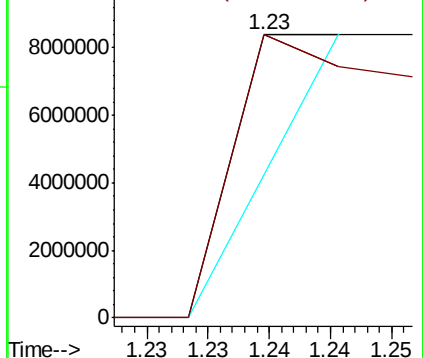
64 100

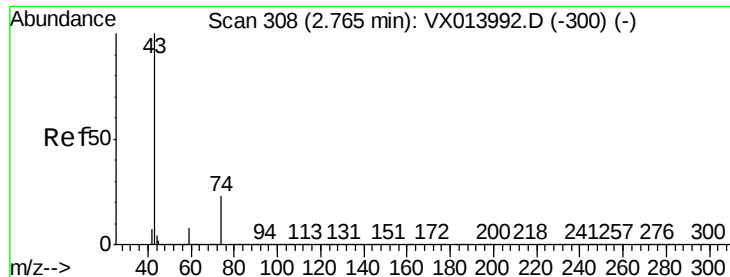
66 100.0 25.2 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

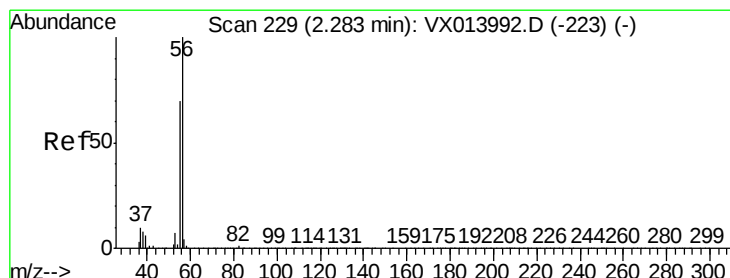
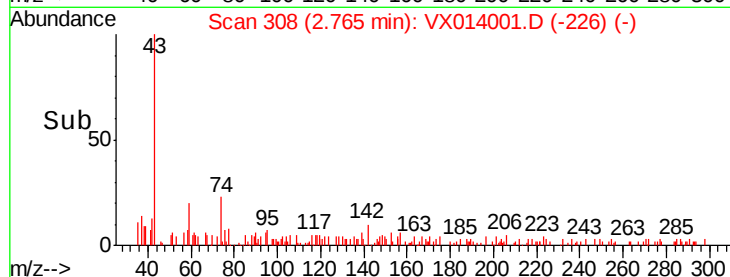
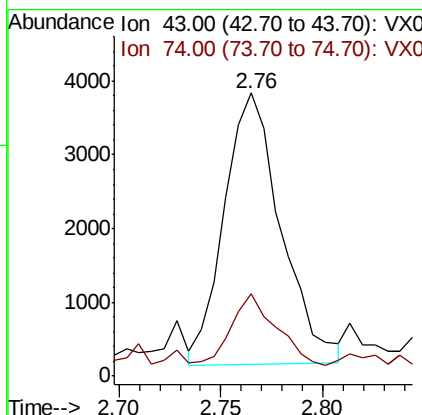
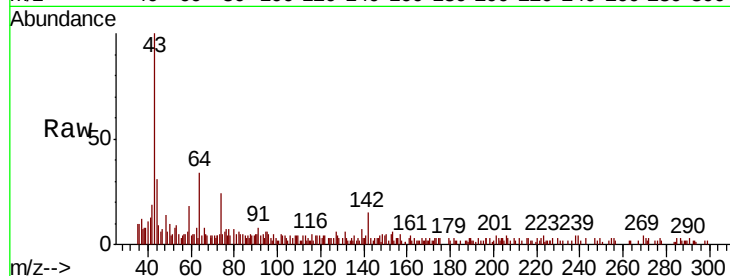




#12
Methvl Acetate
Concen: 0.873 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

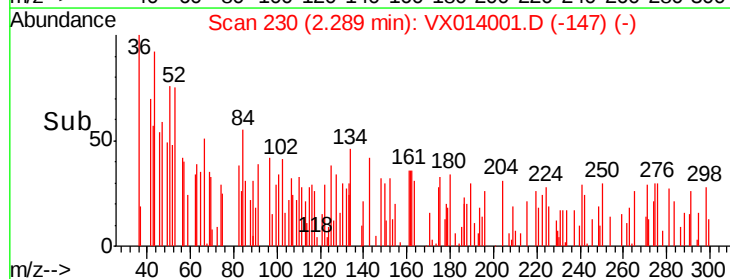
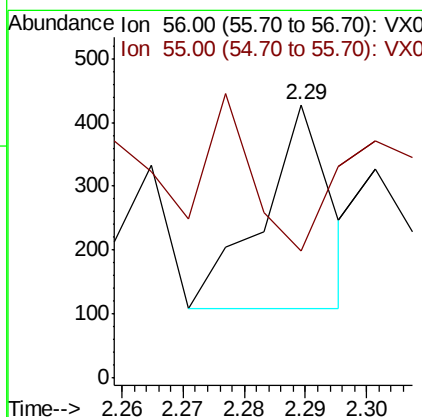
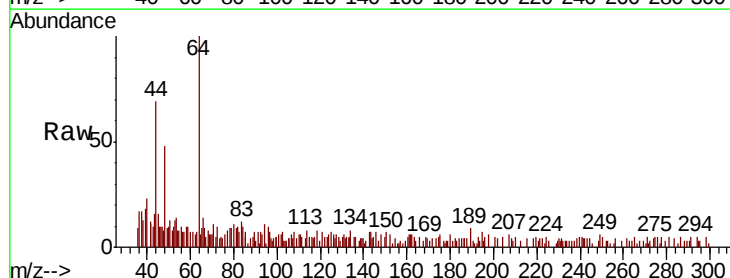
Instrument :
MSVOA_X
ClientSampleId :
391205074.2

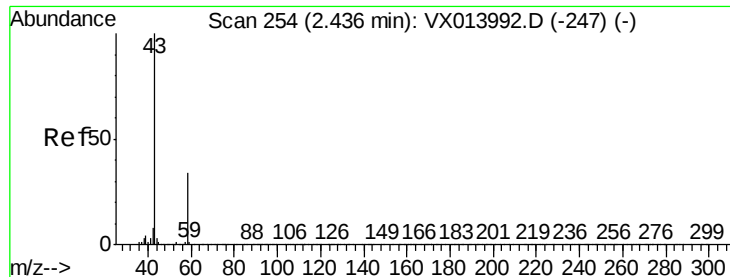
Tot Ion: 43 Resp: 7119
Ion Ratio Lower Upper
43 100
74 26.8 18.5 27.7



#13
Acrolein
Concen: 0.250 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 66.8 54.9 82.3

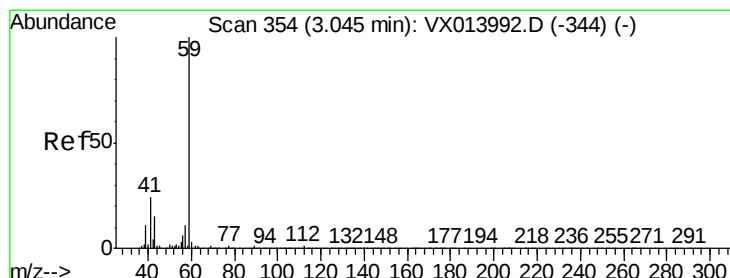
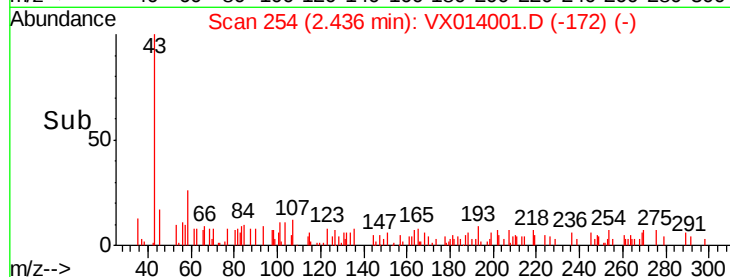
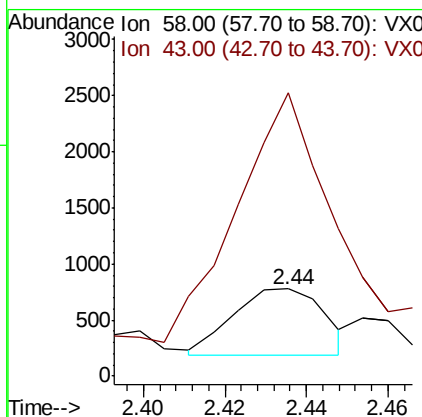
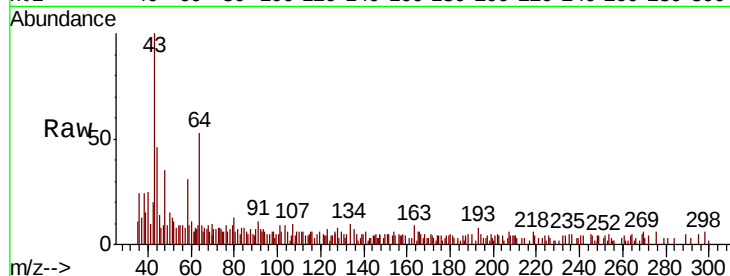




#15
Acetone
Concen: 0.990 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

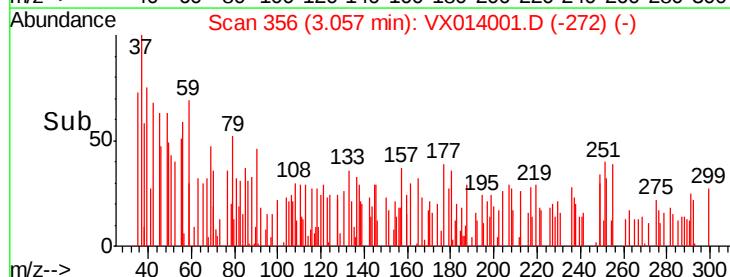
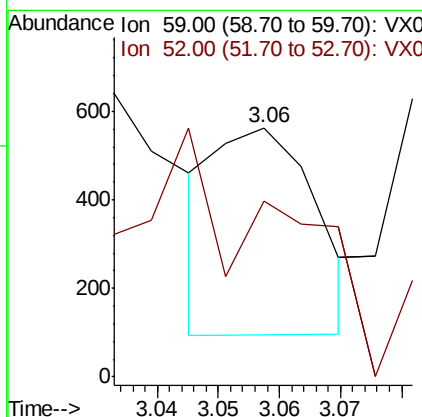
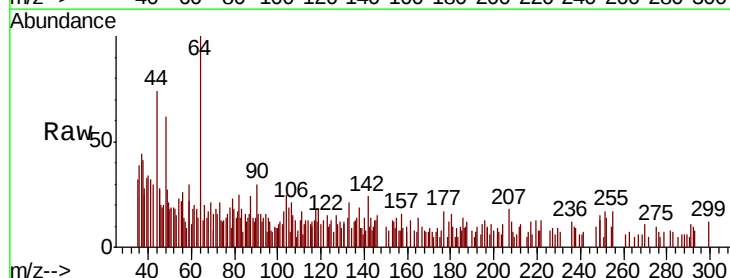
Instrument :
MSVOA_X
ClientSampled :
391205074.2

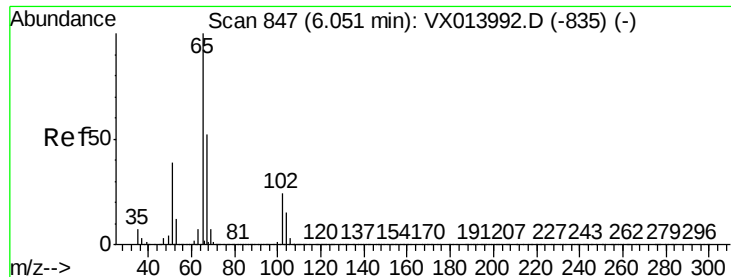
Tot Ion: 58 Resp: 927
Ion Ratio Lower Upper
58 100
43 333.0 236.3 354.5



#23
tert-Butyl Alcohol
Concen: 0.426 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.01 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

Tgt Ion: 59 Resp: 533
Ion Ratio Lower Upper
59 100
52 74.1 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 29.335 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014001.D

Acq: 13 Dec 2019 03:54

Instrument :

MSVOA_X

ClientSampleId :

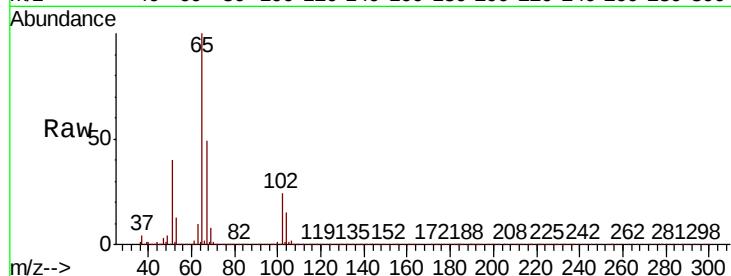
391205074.2

Tot Ion: 65 Resp: 197644

Ion Ratio Lower Upper

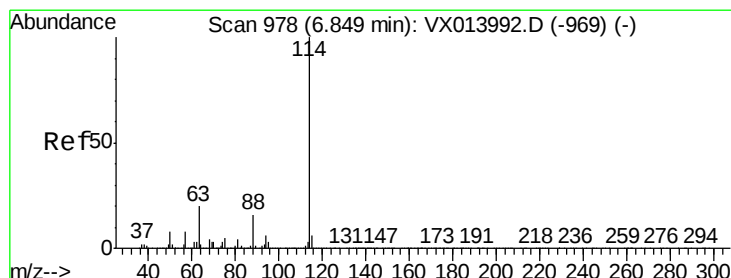
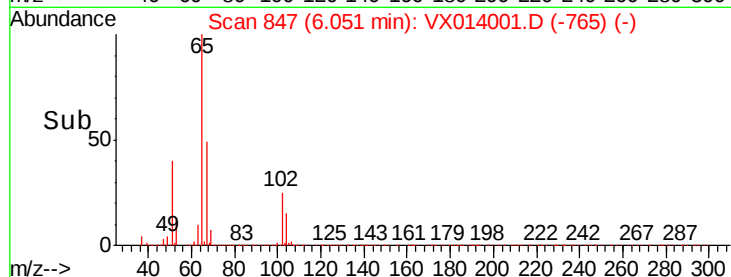
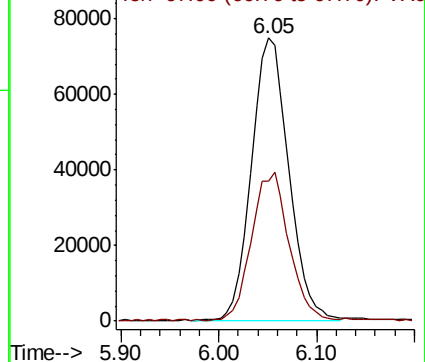
65 100

67 52.5 43.1 64.7



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: VX014001.D

Acq: 13 Dec 2019 03:54

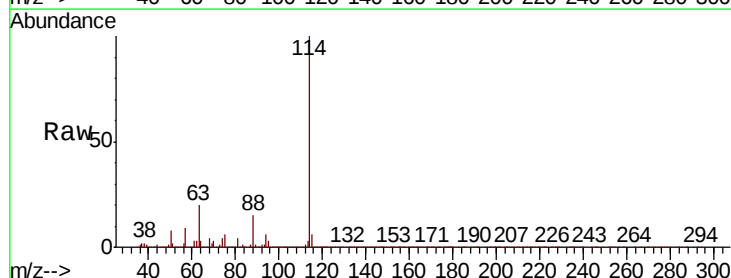
Tgt Ion: 114 Resp: 505247

Ion Ratio Lower Upper

114 100

63 20.6 16.1 24.1

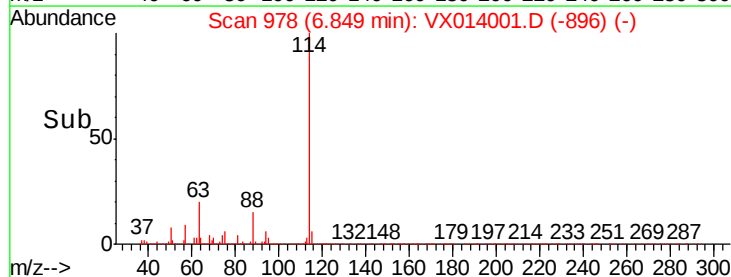
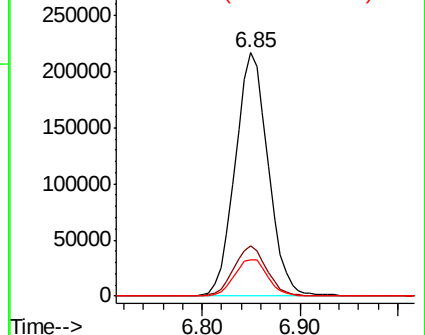
88 15.6 12.5 18.7

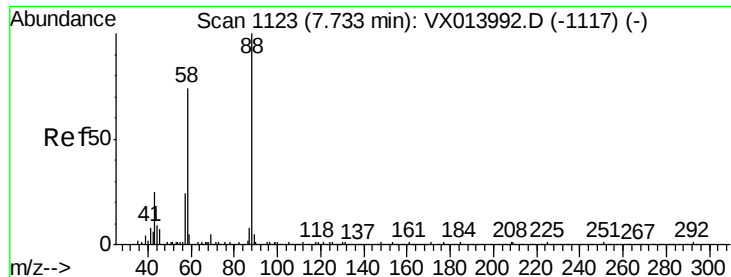


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

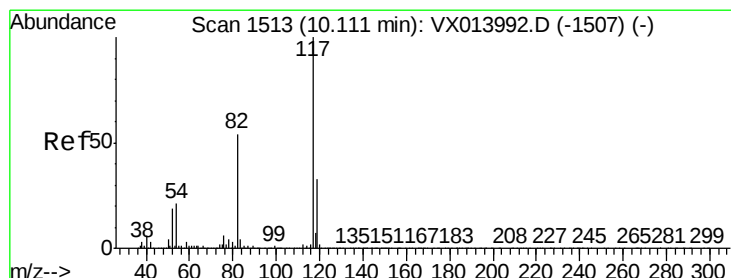
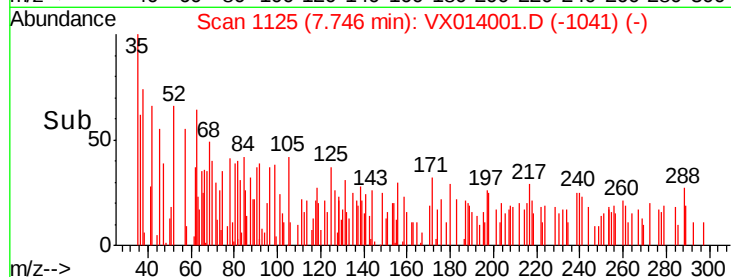
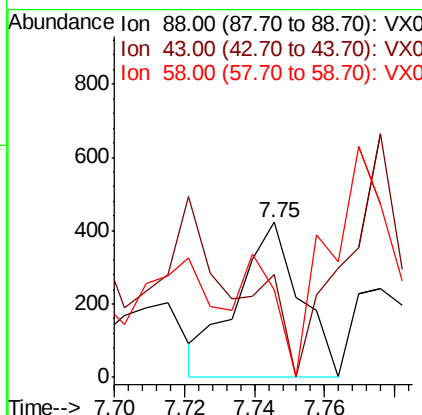
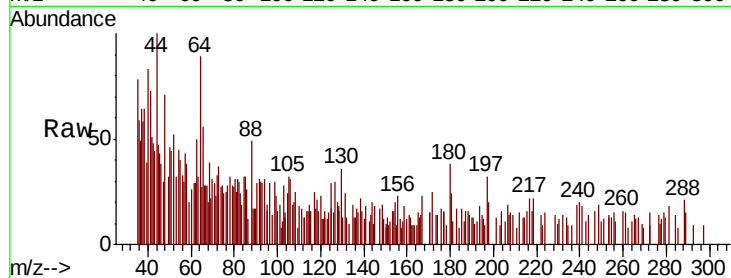




#45
1,4-Dioxane
Concen: 4.071 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

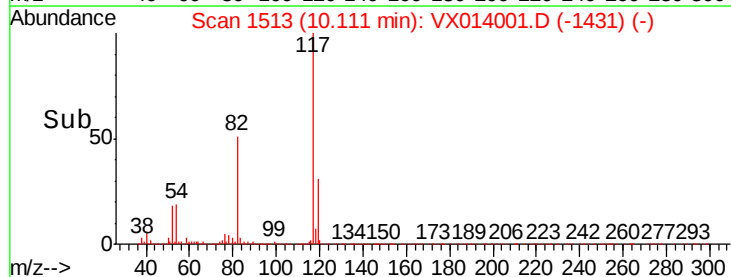
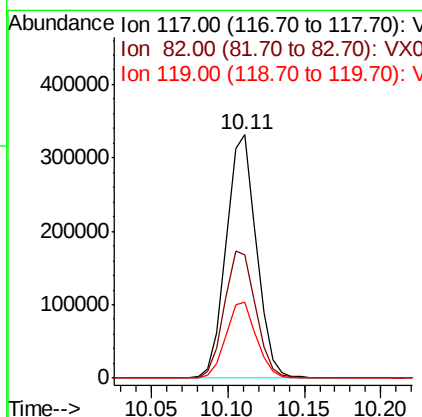
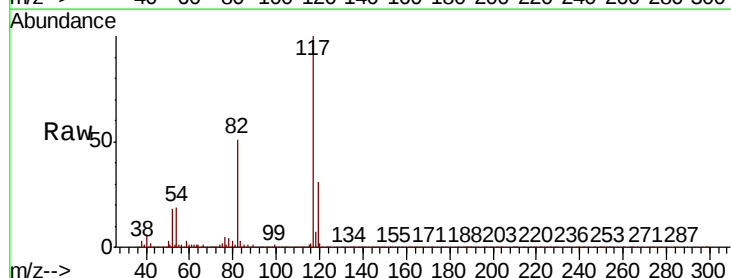
Instrument :
MSVOA_X
ClientSampleId :
391205074.2

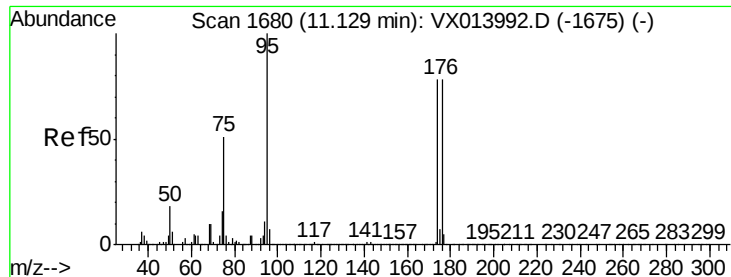
Tot Ion: 88 Resp: 527
Ion Ratio Lower Upper
88 100
43 34.9 25.4 38.2
58 39.8 56.5 84.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

Tgt Ion: 117 Resp: 453507
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.6
119 31.6 25.8 38.6

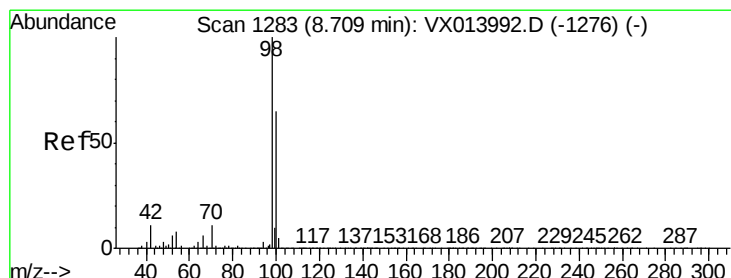
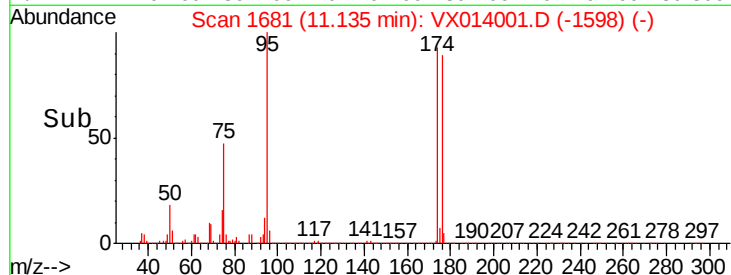
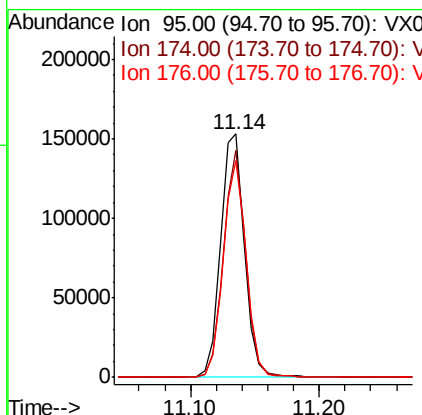
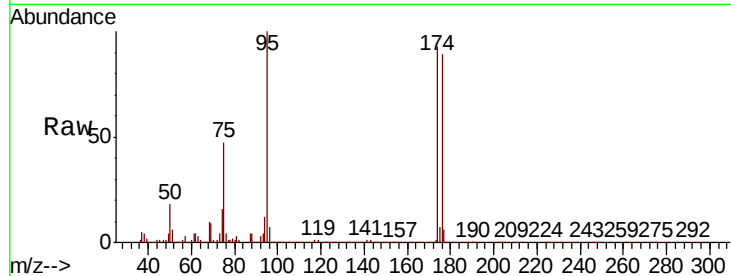




#60
4-Bromofluorobenzene
Concen: 27.234 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

Instrument :
MSVOA_X
ClientSampleId :
391205074.2

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.0	70.2	105.2
176	85.9	68.3	102.5



#63
Toluene-d8
Concen: 30.330 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014001.D
Acq: 13 Dec 2019 03:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2

