

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102219\
 Data File : VX013170.D
 Acq On : 22 Oct 2019 12:02
 Operator : JC/SP
 Sample : VX1022WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 23 07:44:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	27185	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	157148	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	134450	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	63056	29.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.20%
60) 4-Bromofluorobenzene	11.14	95	65384	27.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.10%
63) Toluene-d8	8.71	98	182430	30.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.70%

Target Compounds

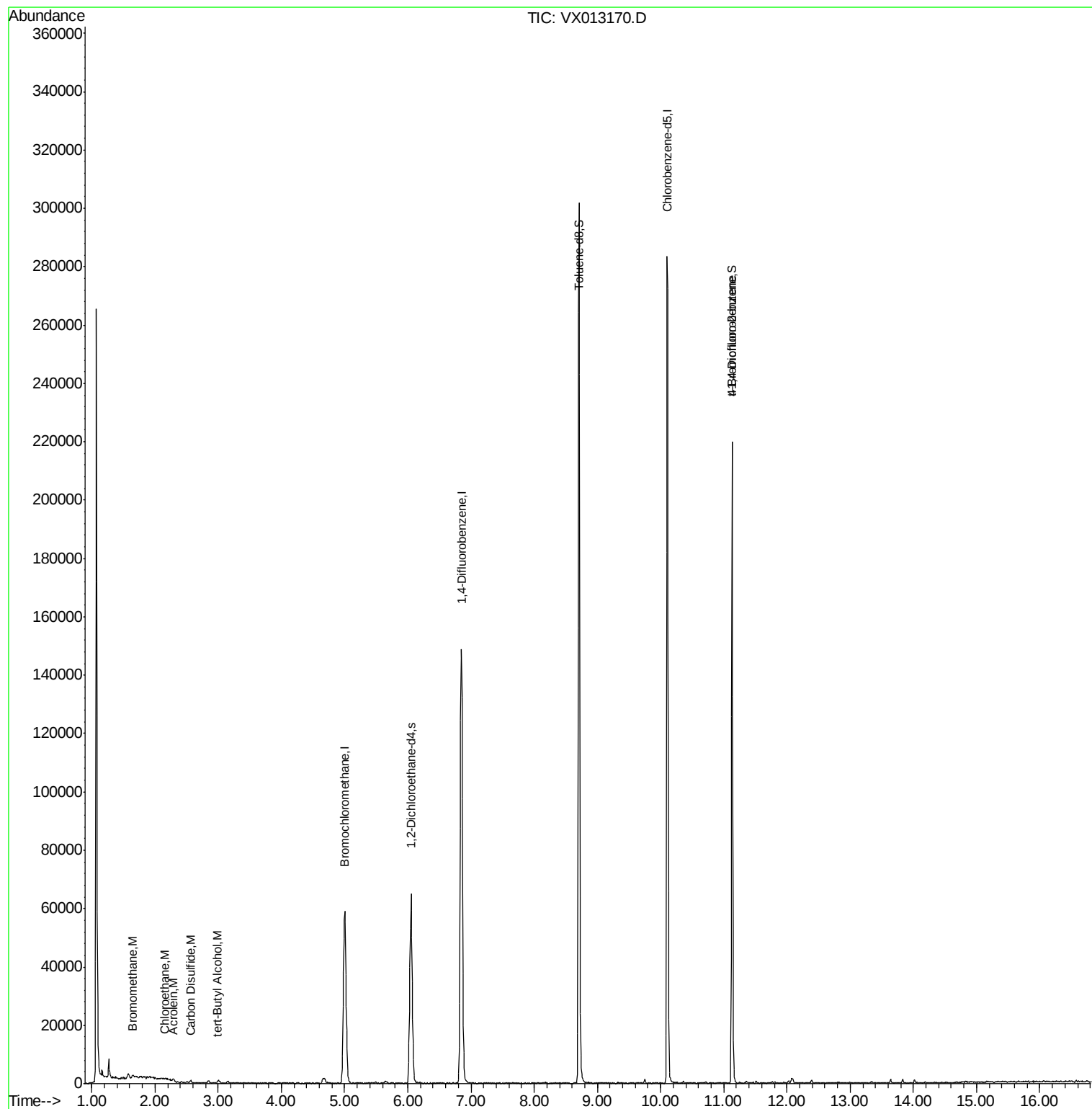
					Ovalue
5) Bromomethane	1.65	94	357	0.376 ug/l	83
6) Chloroethane	2.16	64	287	0.256 ug/l	94
13) Acrolein	2.29	56	106	0.331 ug/l #	1
16) Carbon Disulfide	2.56	76	1142	0.256 ug/l	98
23) tert-Butyl Alcohol	2.98	59	234	0.493 ug/l #	100
77) t-1,4-Dichloro-2-butene	11.13	75	31816	37.022 ug/l #	9

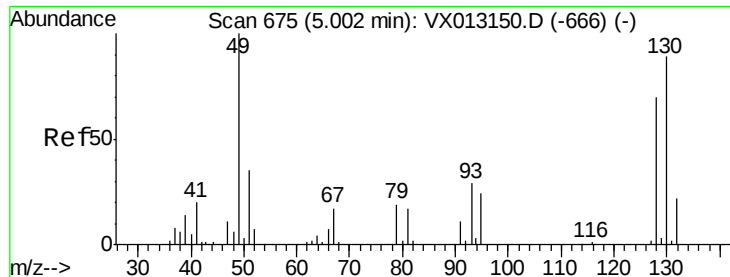
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013170.D

Acq: 22 Oct 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :

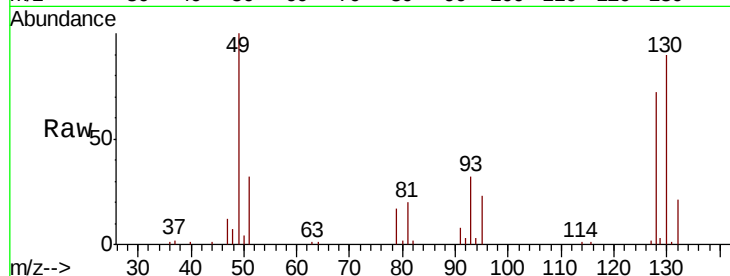
Tot Ion:128 Resp: 27185

Ion Ratio Lower Upper

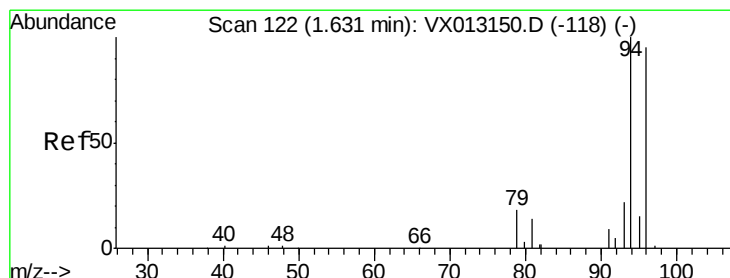
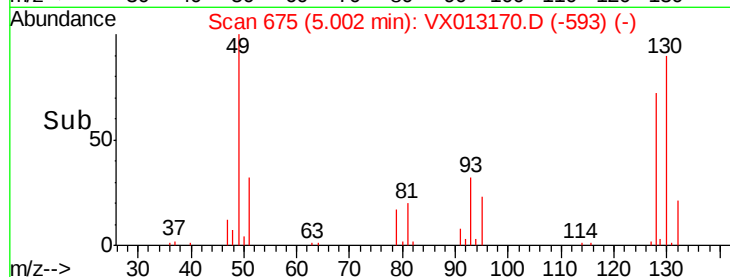
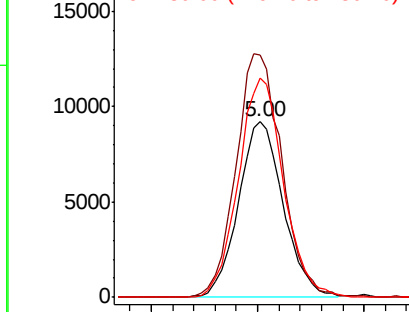
128 100

49 141.6 0.0 367.3

130 125.6 0.0 325.0



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



#5

Bromomethane

Concen: 0.376 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013170.D

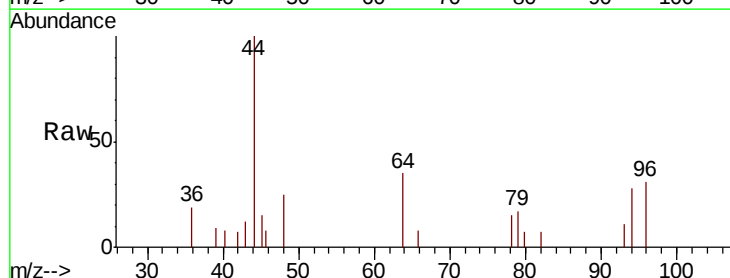
Acq: 22 Oct 2019 12:02

Tgt Ion: 94 Resp: 357

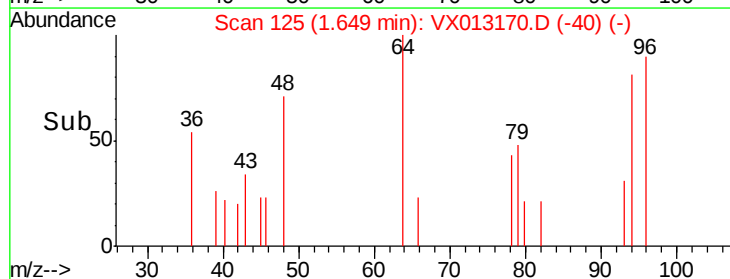
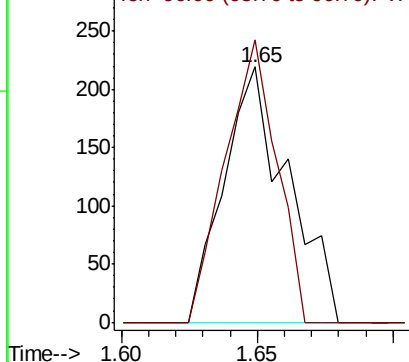
Ion Ratio Lower Upper

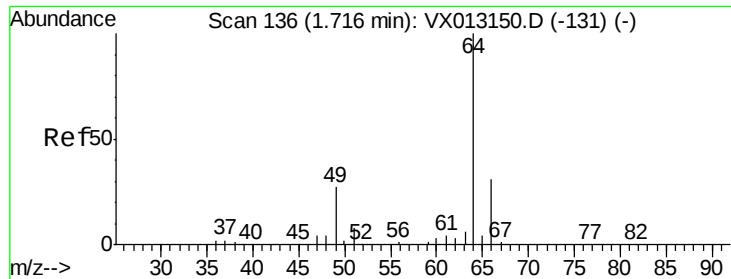
94 100

96 111.0 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0
Ion 96.00 (95.70 to 96.70): VX0





#6

Chloroethane

Concen: 0.256 ug/l

RT: 2.16 min Scan# 209

Delta R.T. 0.44 min

Lab File: VX013170.D

Acq: 22 Oct 2019 12:02

Instrument :

MSVOA_X

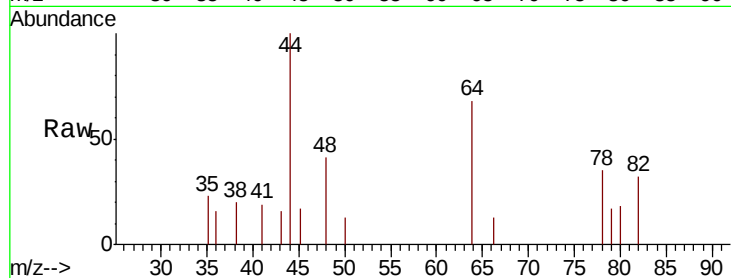
ClientSampled :

Tot Ion: 64 Resp: 287

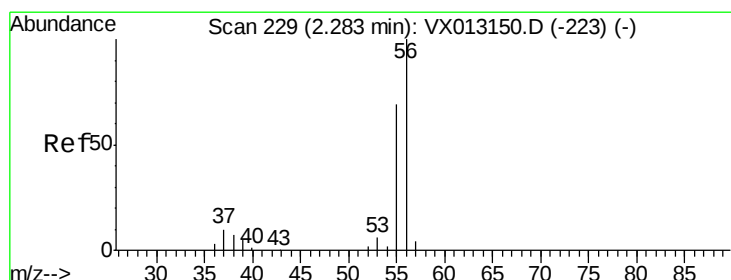
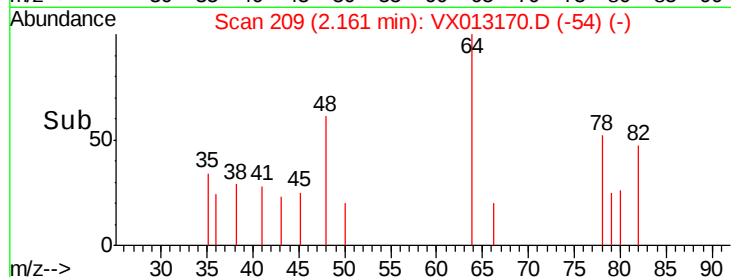
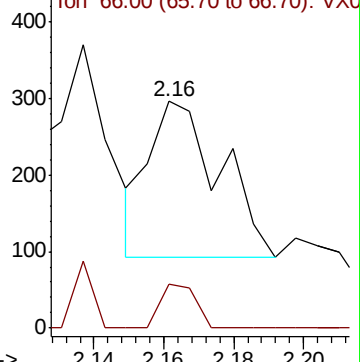
Ion Ratio Lower Upper

64 100

66 28.6 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0



#13

Acrolein

Concen: 0.331 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013170.D

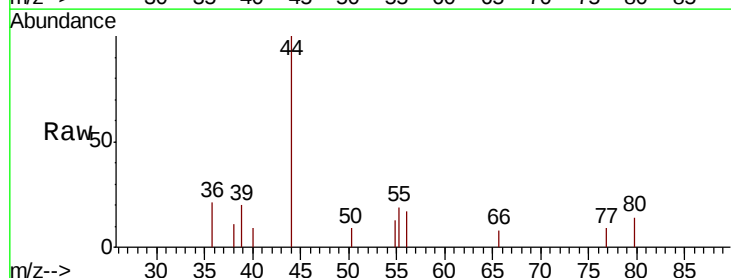
Acq: 22 Oct 2019 12:02

Tgt Ion: 56 Resp: 106

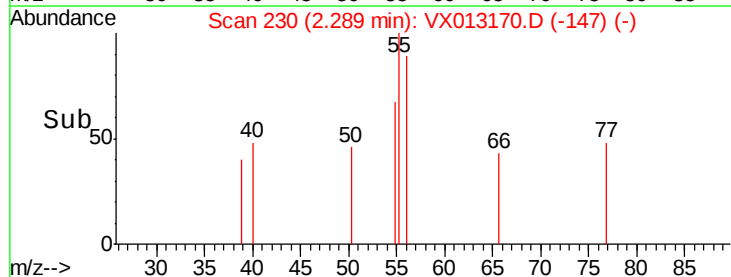
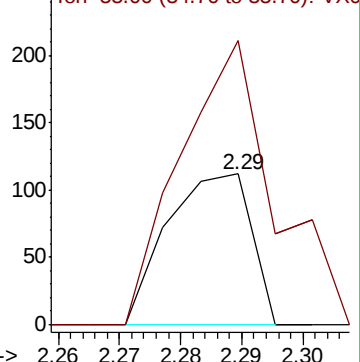
Ion Ratio Lower Upper

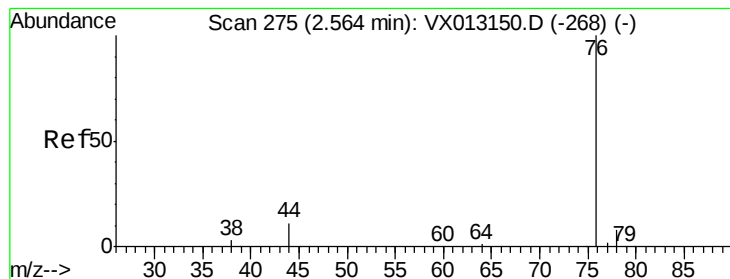
56 100

55 211.3 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0





#16

Carbon Disulfide

Concen: 0.256 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013170.D

Acq: 22 Oct 2019 12:02

Instrument :

MSVOA_X

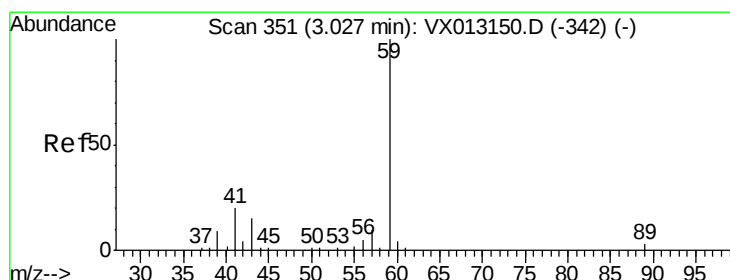
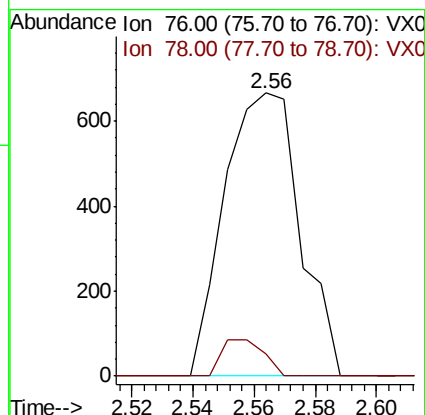
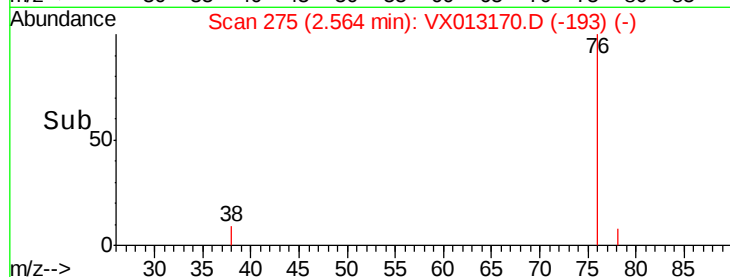
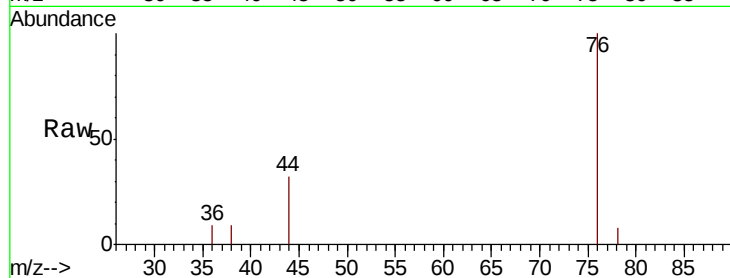
ClientSampleId :

Tot Ion: 76 Resp: 1142

Ion Ratio Lower Upper

76 100

78 7.7 6.6 10.0



#23

tert-Butyl Alcohol

Concen: 0.493 ug/l

RT: 2.98 min Scan# 344

Delta R.T. -0.04 min

Lab File: VX013170.D

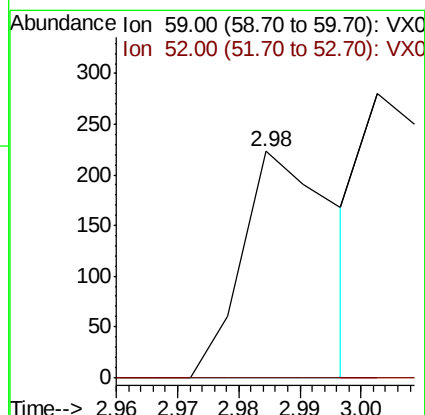
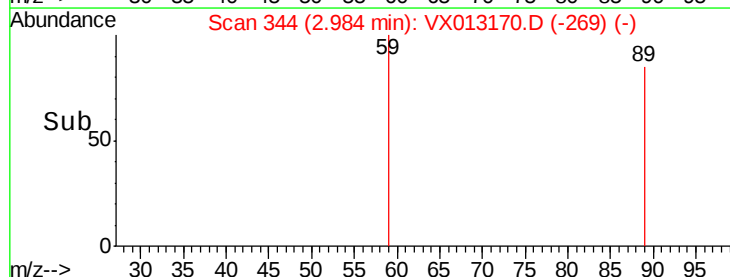
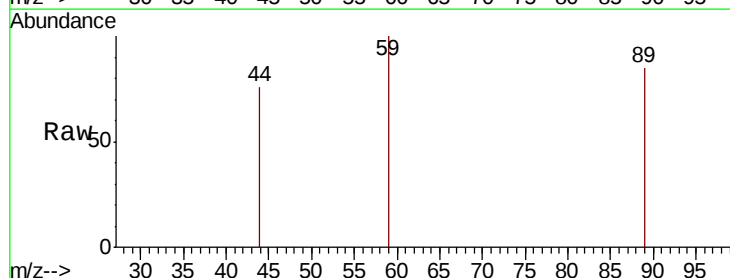
Acq: 22 Oct 2019 12:02

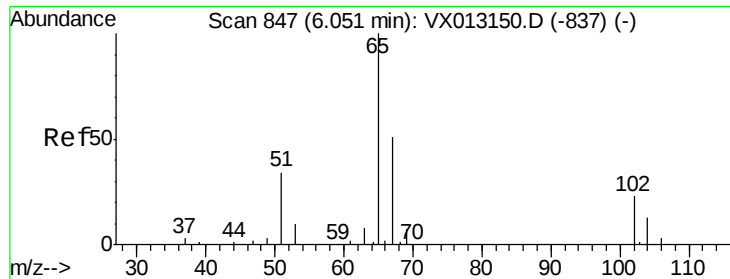
Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.465 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013170.D

Acq: 22 Oct 2019 12:02

Instrument :

MSVOA_X

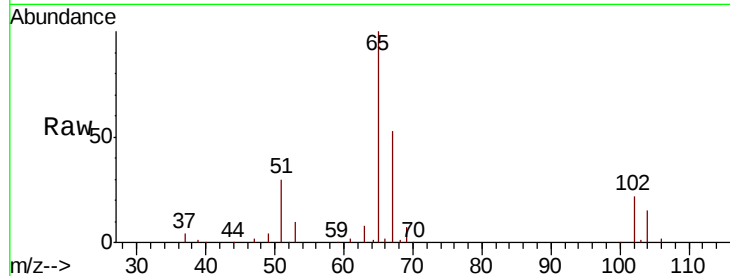
ClientSampled :

Tot Ion: 65 Resp: 63056

Ion Ratio Lower Upper

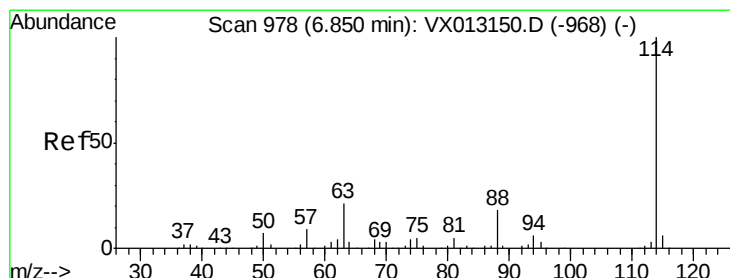
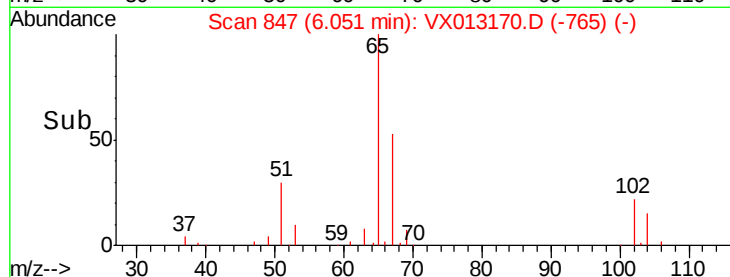
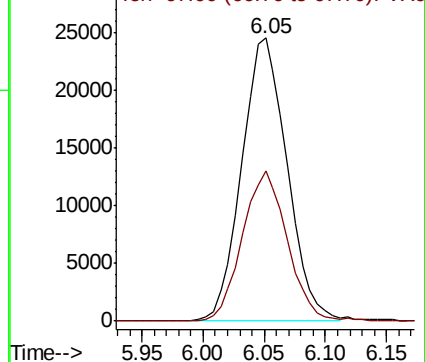
65 100

67 52.6 42.2 63.4



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: VX013170.D

Acq: 22 Oct 2019 12:02

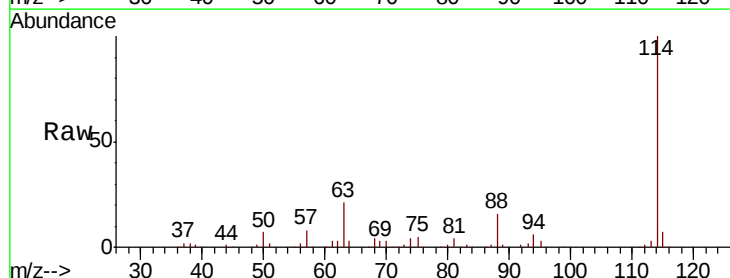
Tgt Ion: 114 Resp: 157148

Ion Ratio Lower Upper

114 100

63 19.6 16.1 24.1

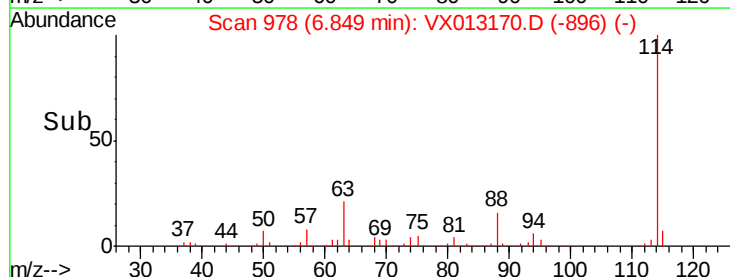
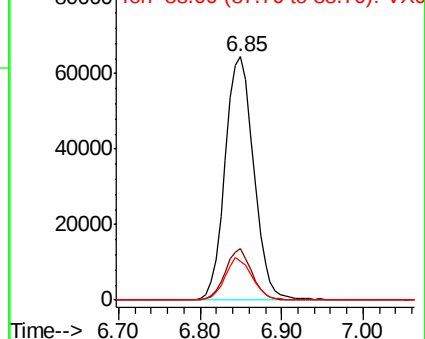
88 16.4 13.7 20.5

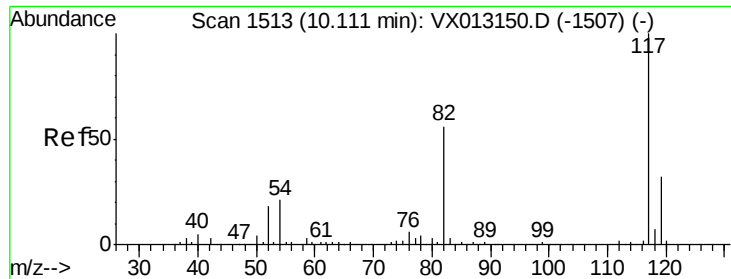


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

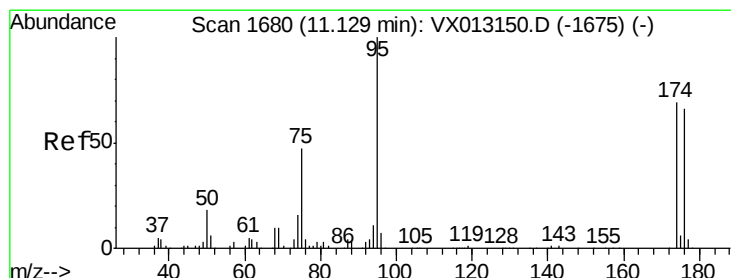
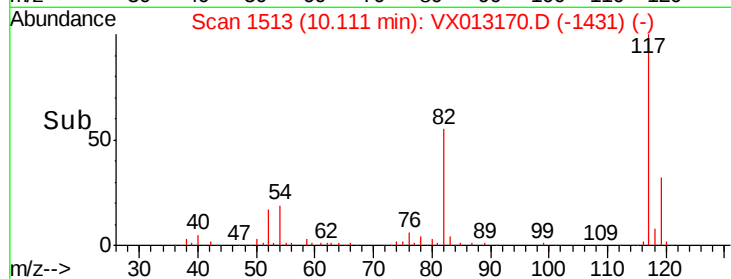
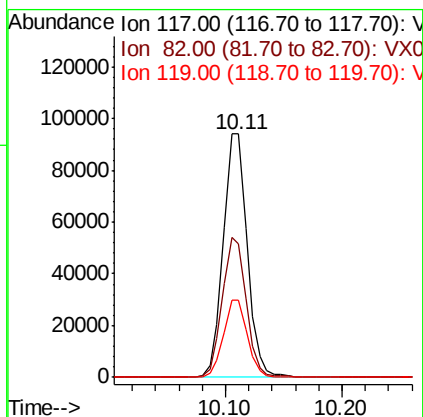
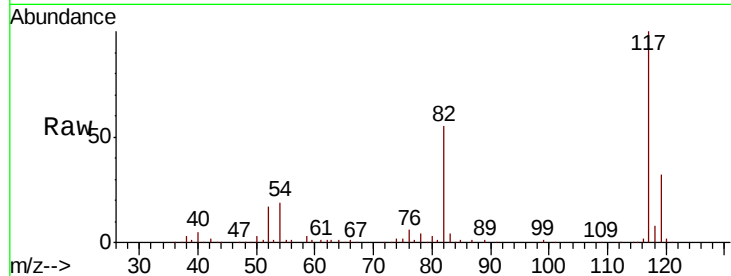




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013170.D
Acq: 22 Oct 2019 12:02

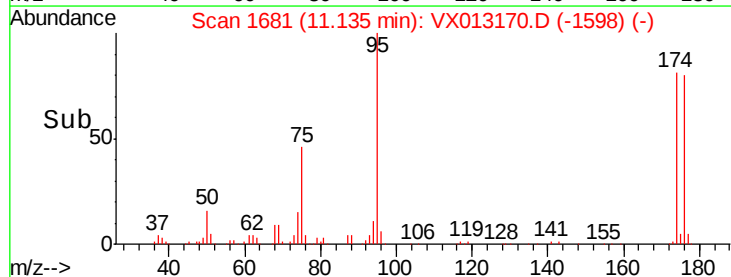
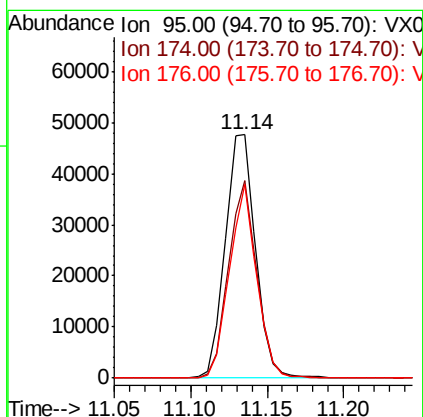
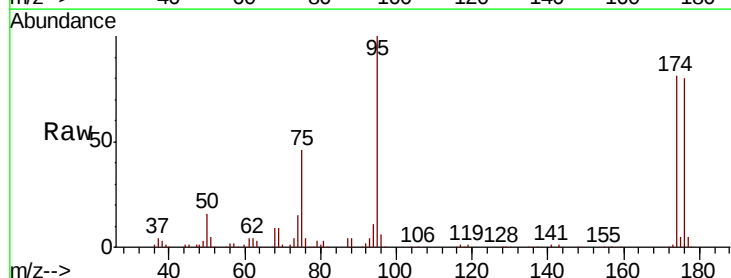
Instrument :
MSVOA_X
ClientSampleId :

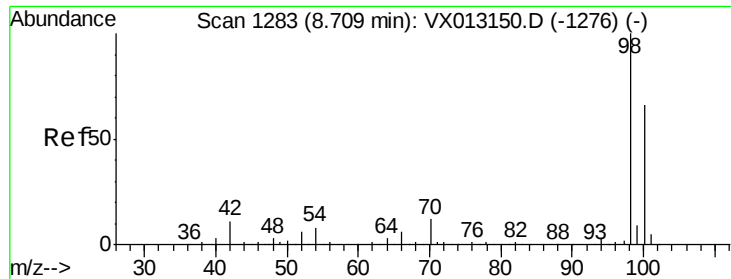
Tot Ion:117 Resp: 134450
Ion Ratio Lower Upper
117 100
82 57.3 46.0 69.0
119 31.8 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 27.928 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013170.D
Acq: 22 Oct 2019 12:02

Tgt Ion: 95 Resp: 65384
Ion Ratio Lower Upper
95 100
174 75.5 60.0 90.0
176 71.4 58.5 87.7

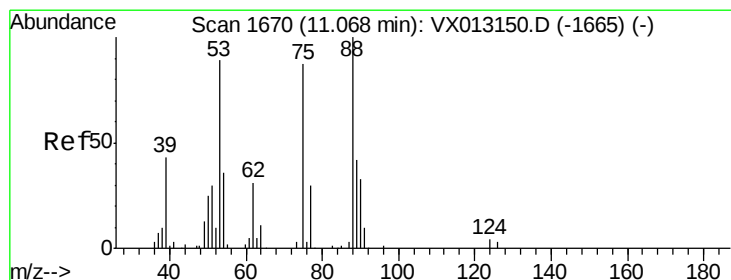
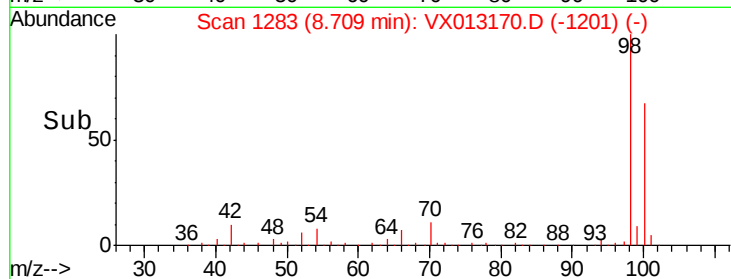
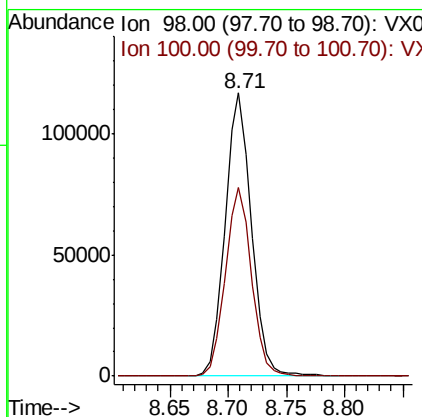
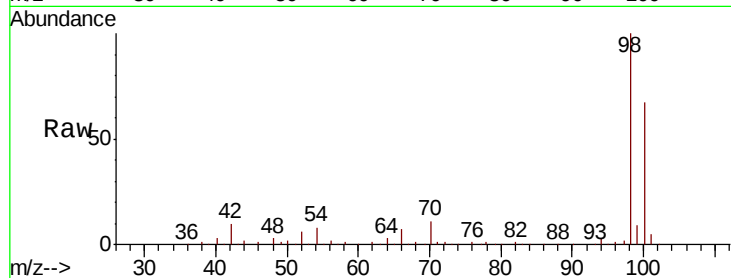




#63
Toluene-d8
Concen: 30.507 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013170.D
Acq: 22 Oct 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 182430
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 37.022 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013170.D
Acq: 22 Oct 2019 12:02

Tgt Ion: 75 Resp: 31816
Ion Ratio Lower Upper
75 100
53 0.0 51.1 153.4#
89 0.0 24.1 72.4#

