

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102819\
 Data File : VX013242.D
 Acq On : 28 Oct 2019 12:52
 Operator : JC/SP
 Sample : VX1028WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBL02

Quant Time: Oct 29 15:14:28 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	5.01	128	23549	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	129643	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	113014	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	56019	30.22	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	100.73%	
60) 4-Bromofluorobenzene	11.13	95	53053	26.96	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	89.87%	
63) Toluene-d8	8.71	98	154283	30.69	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	102.30%	

Target Compounds

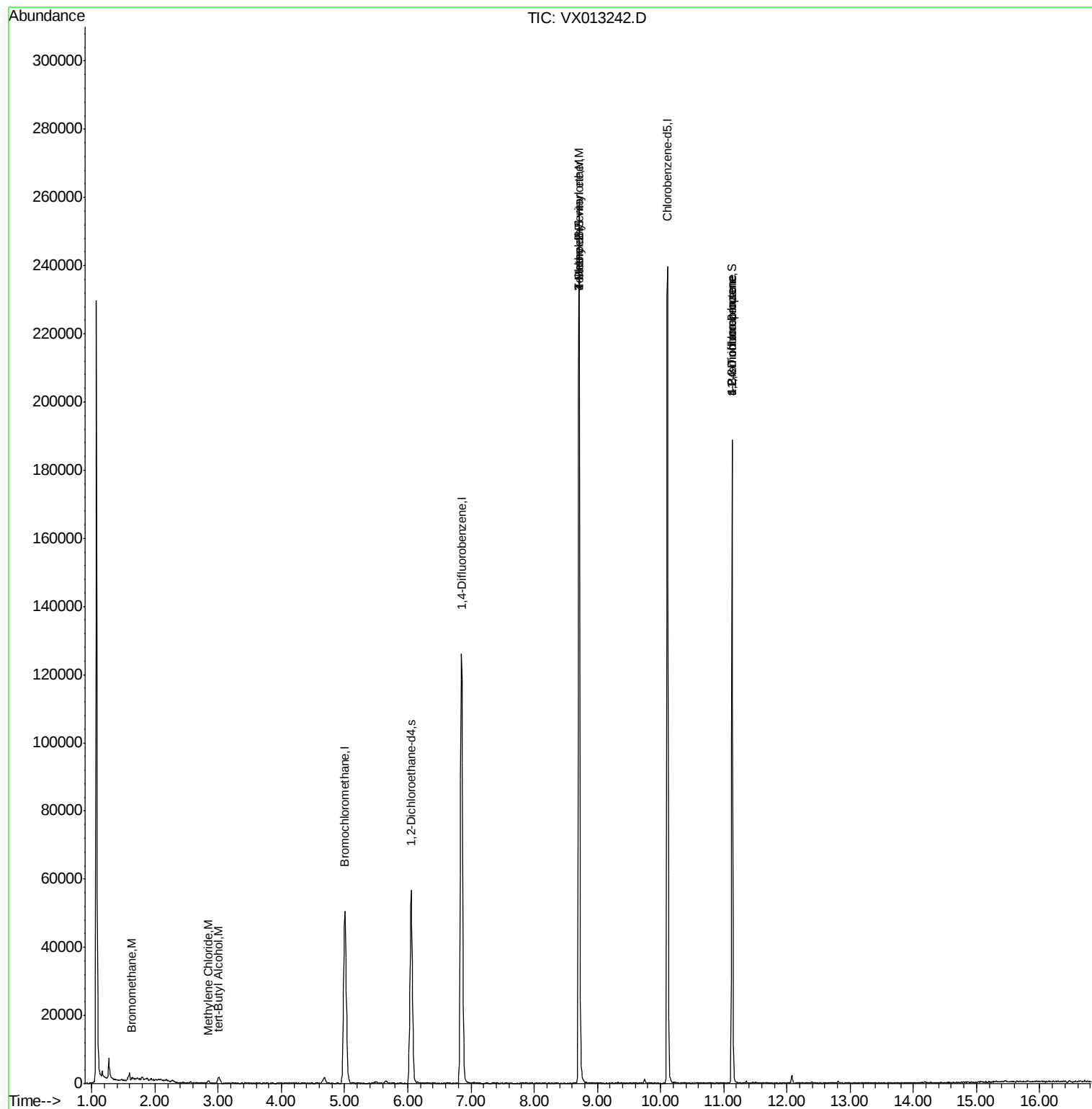
					Qvalue	
5) Bromomethane	1.64	94	301	0.366	ug/l #	60
18) Methylene Chloride	2.84	84	415	0.248	ug/l #	56
23) tert-Butyl Alcohol	3.00	59	715	1.740	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.71	63	192	0.201	ug/l #	1
58) 4-Methyl-2-Pentanone	8.71	43	640	0.336	ug/l #	1
72) 1,2,3-Trichloropropane	11.13	75	28076	15.091	ug/l	40
77) t-1,4-Dichloro-2-butene	11.13	75	28076	38.867	ug/l #	9

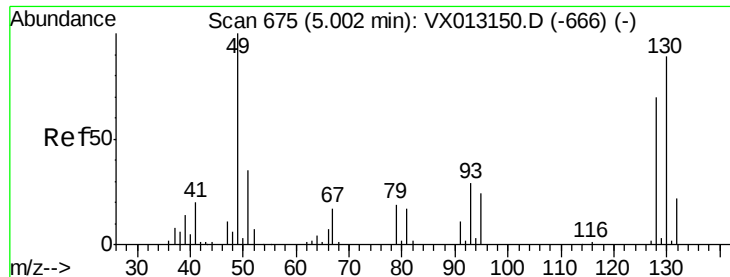
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013242.D

Acq: 28 Oct 2019 12:52

Instrument :

MSVOA_X

ClientSampled :

VX1028WBL02

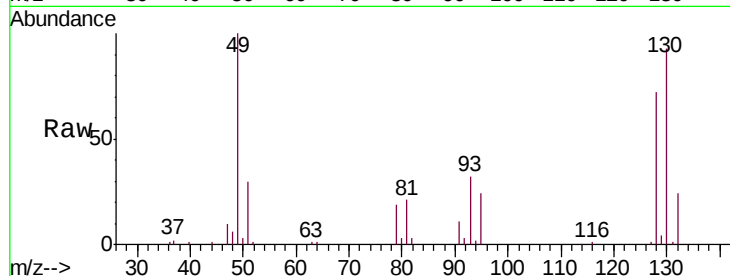
Tgt Ion:128 Resp: 23549

Ion Ratio Lower Upper

128 100

49 132.6 0.0 367.3

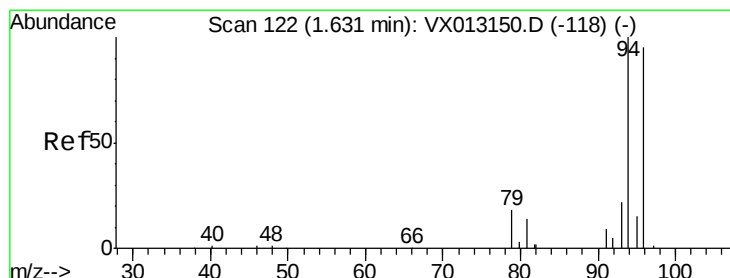
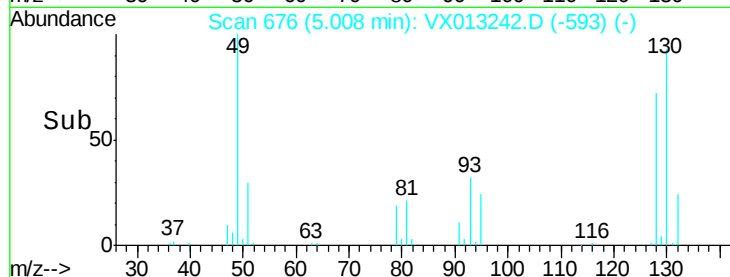
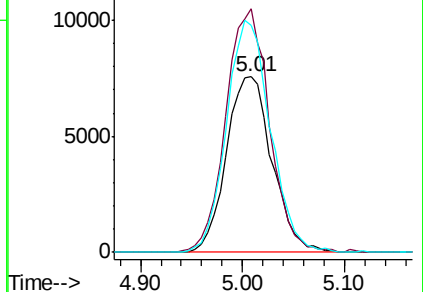
130 126.7 0.0 325.0



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: 0.366 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013242.D

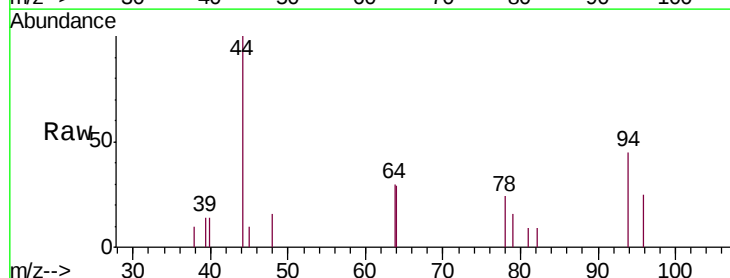
Acq: 28 Oct 2019 12:52

Tgt Ion: 94 Resp: 301

Ion Ratio Lower Upper

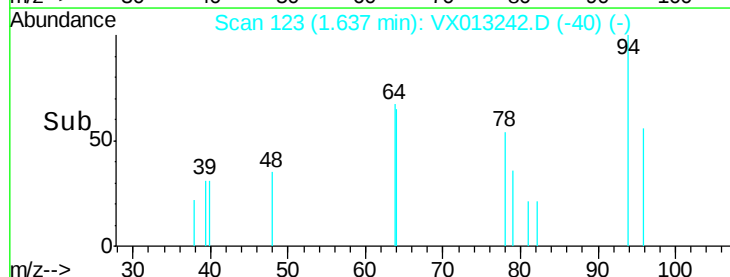
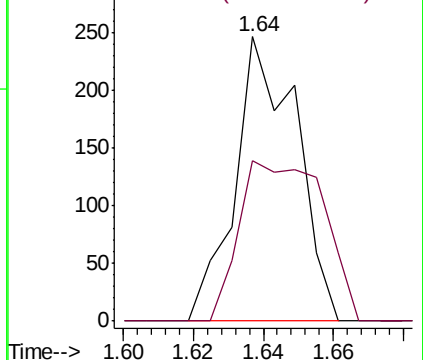
94 100

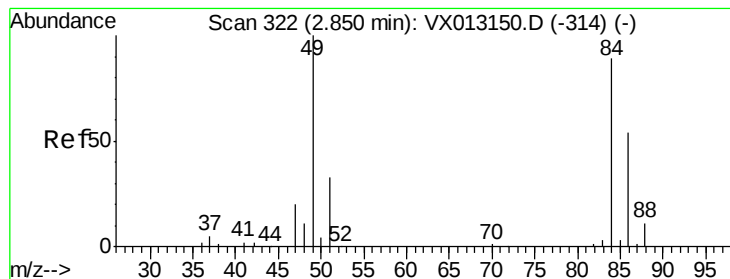
96 56.1 75.9 113.9#



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#18

Methylene Chloride

Concen: 0.248 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013242.D

Acq: 28 Oct 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBL02

Tgt Ion: 84 Resp: 415

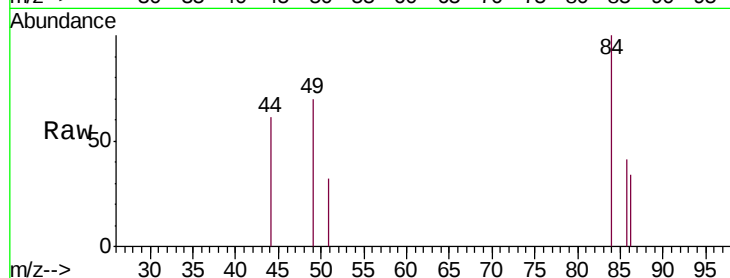
Ion Ratio Lower Upper

84 100

49 37.9 90.3 135.5#

51 31.7 29.9 44.9

86 75.0 49.0 73.4#

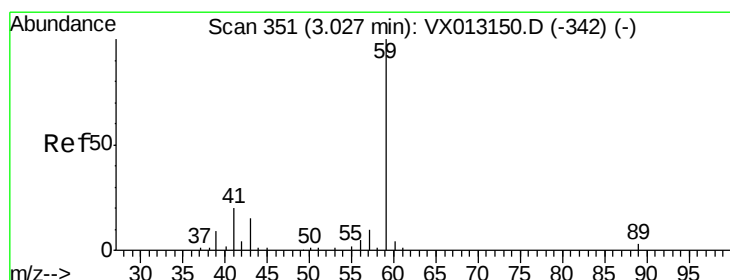
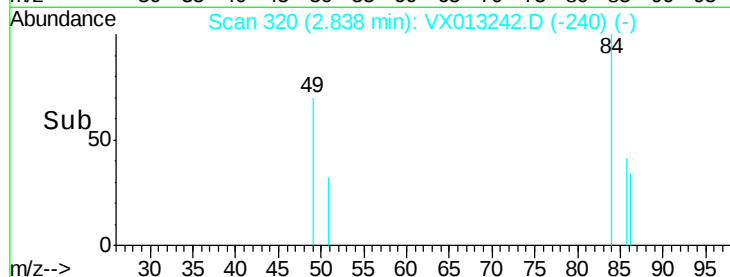
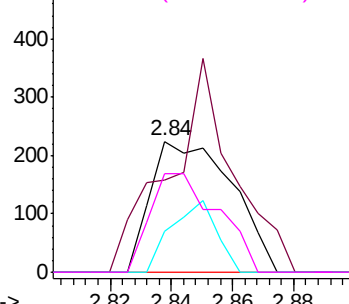


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#23

tert-Butyl Alcohol

Concen: 1.740 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX013242.D

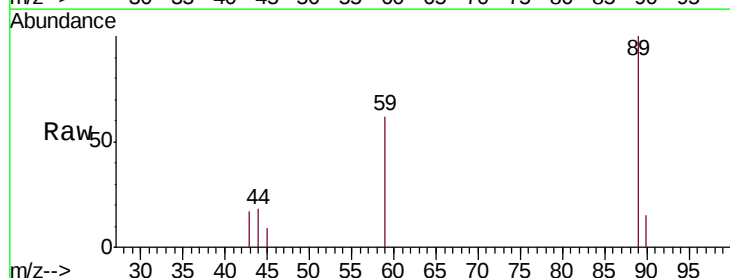
Acq: 28 Oct 2019 12:52

Tgt Ion: 59 Resp: 715

Ion Ratio Lower Upper

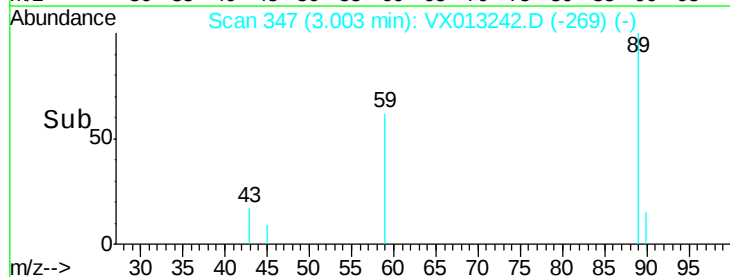
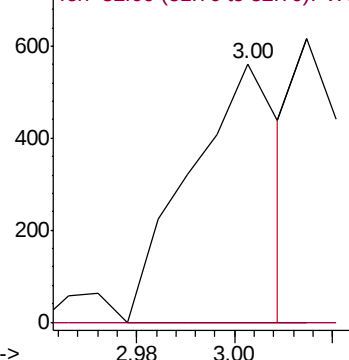
59 100

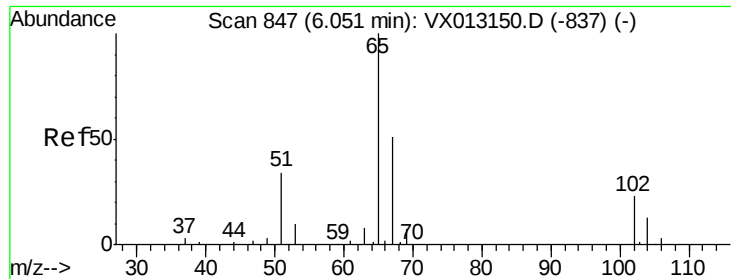
52 0.0 0.0 0.0



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: 30.218 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013242.D

Acq: 28 Oct 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

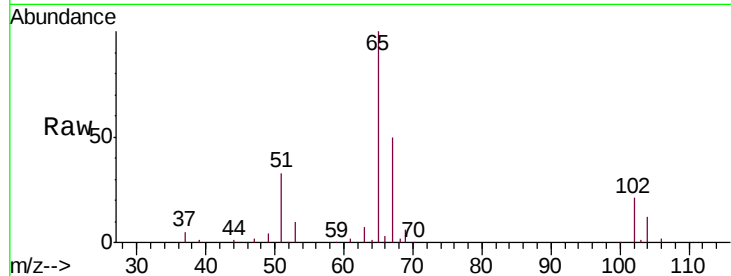
VX1028WBL02

Tgt Ion: 65 Resp: 56019

Ion Ratio Lower Upper

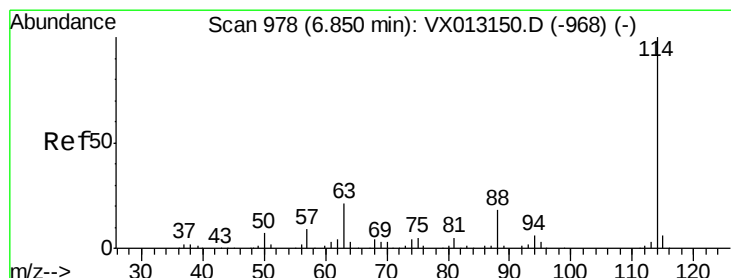
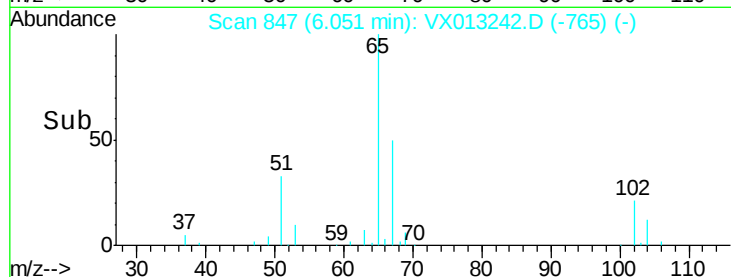
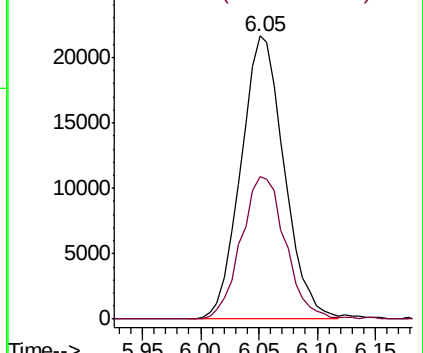
65 100

67 51.4 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: VX013242.D

Acq: 28 Oct 2019 12:52

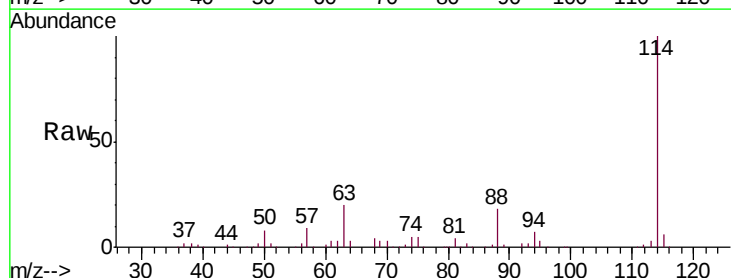
Tgt Ion: 114 Resp: 129643

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

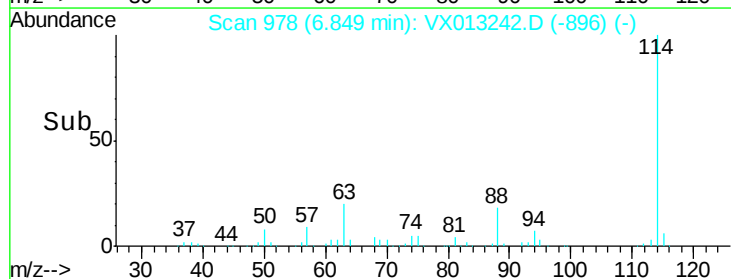
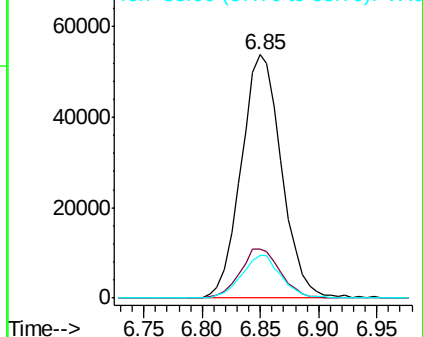
88 17.3 13.7 20.5

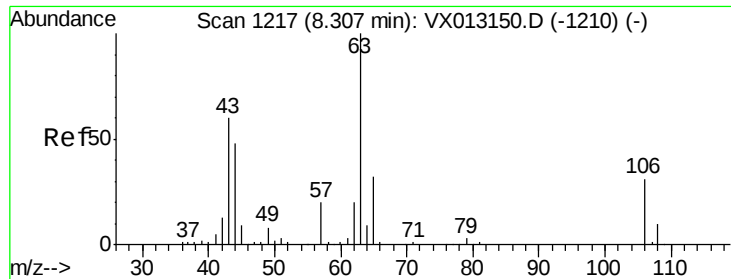


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

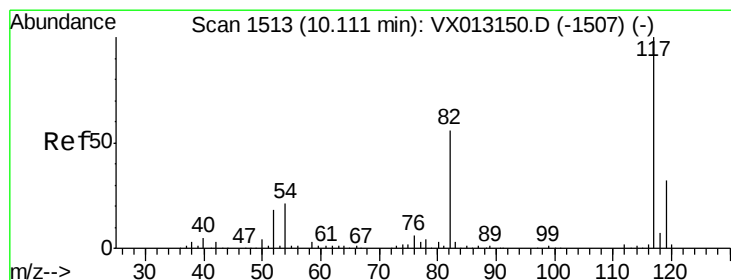
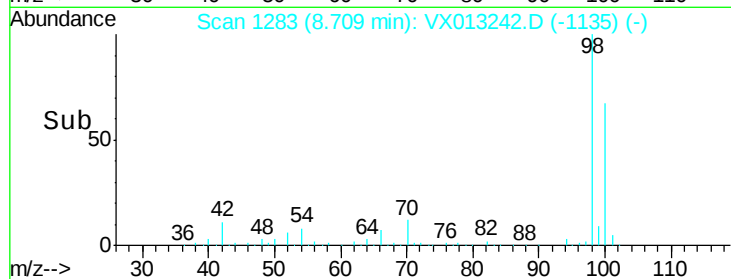
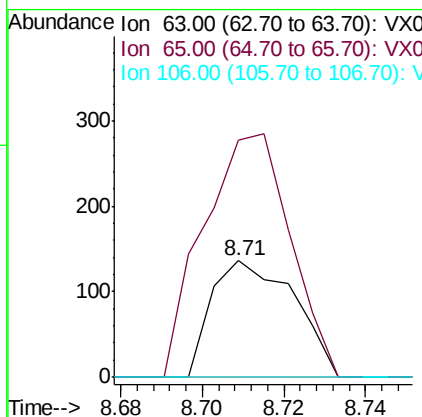
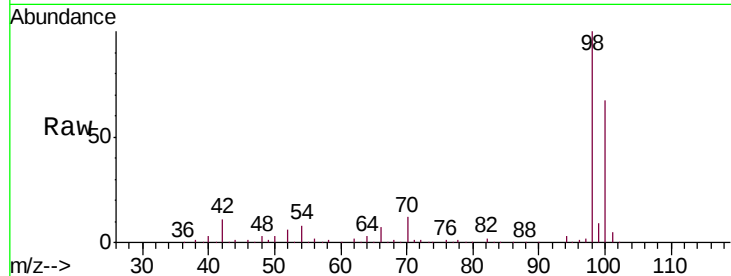




#55
2-Chloroethyl vinyl ether
Concen: 0.201 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.40 min
Lab File: VX013242.D
Acq: 28 Oct 2019 12:52

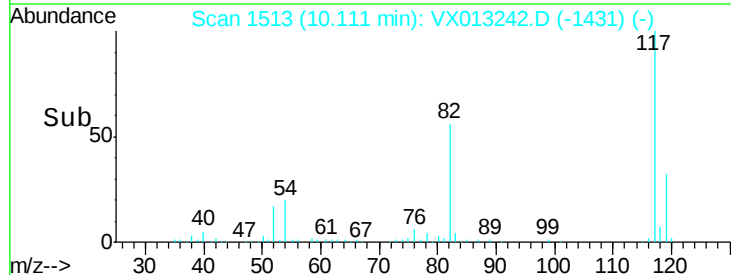
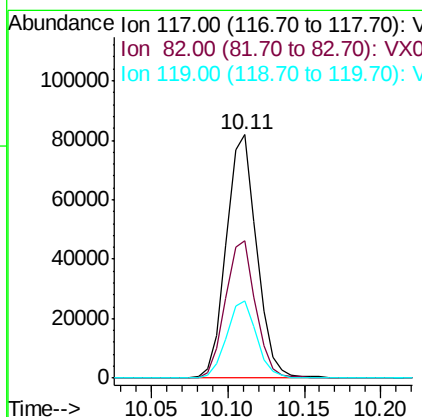
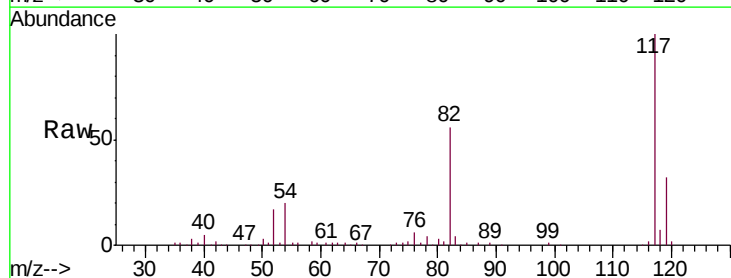
Instrument :
MSVOA_X
ClientSampleId :
VX1028WBL02

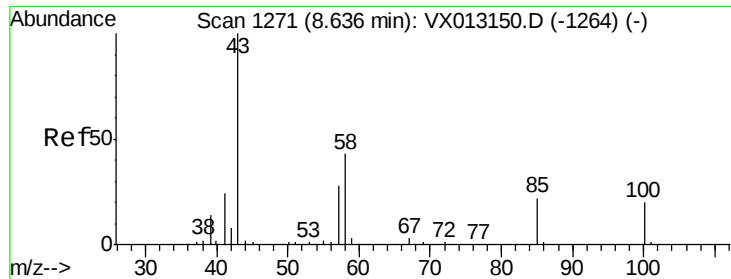
Tgt Ion: 63 Resp: 192
Ion Ratio Lower Upper
63 100
65 219.3 25.5 38.3#
106 0.0 24.8 37.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013242.D
Acq: 28 Oct 2019 12:52

Tgt Ion: 117 Resp: 113014
Ion Ratio Lower Upper
117 100
82 56.2 46.0 69.0
119 31.3 25.4 38.0

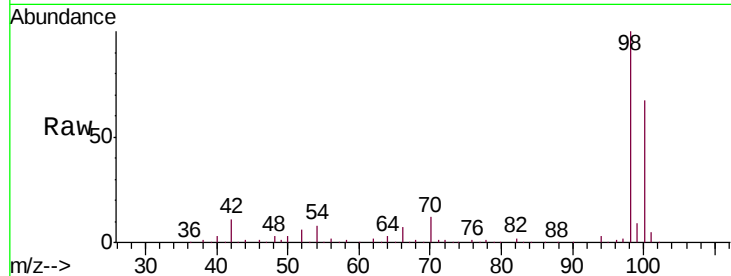




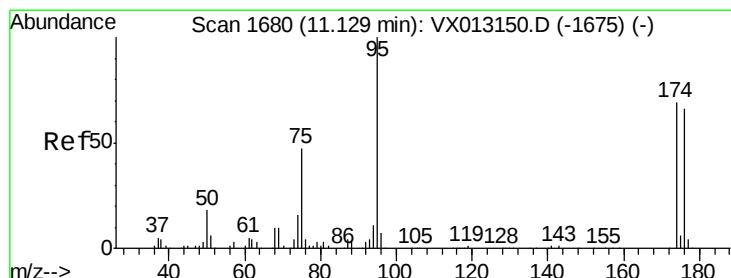
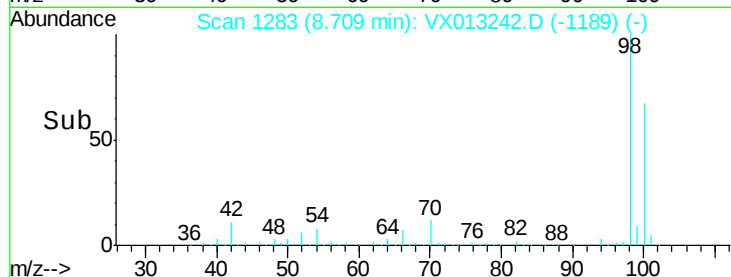
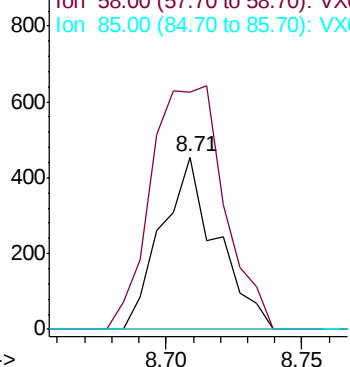
#58
 4-Methyl-2-Pentanone
 Concen: 0.336 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX013242.D
 Acq: 28 Oct 2019 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBL02

Tgt Ion: 43 Resp: 640
 Ion Ratio Lower Upper
 43 100
 58 186.9 33.8 50.8#
 85 0.0 16.8 25.2#

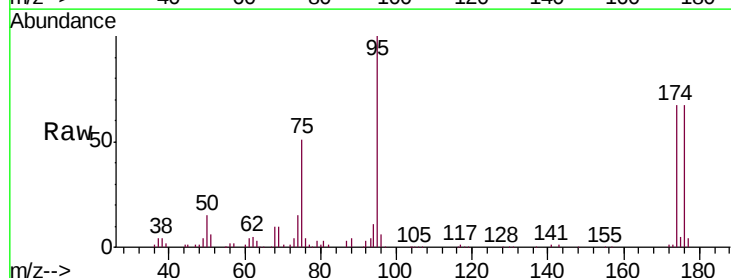


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0
 Ion 85.00 (84.70 to 85.70): VX0

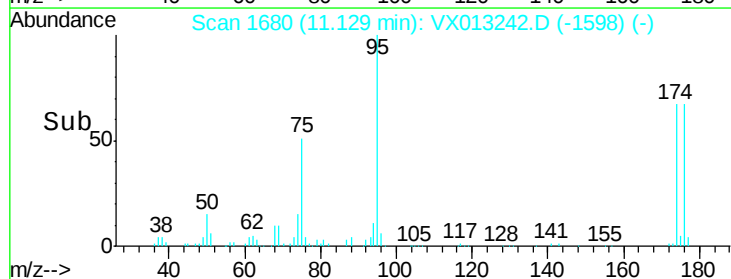
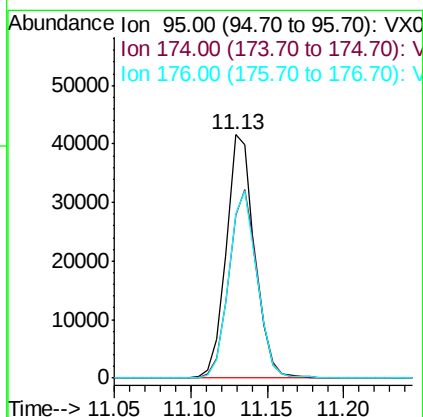


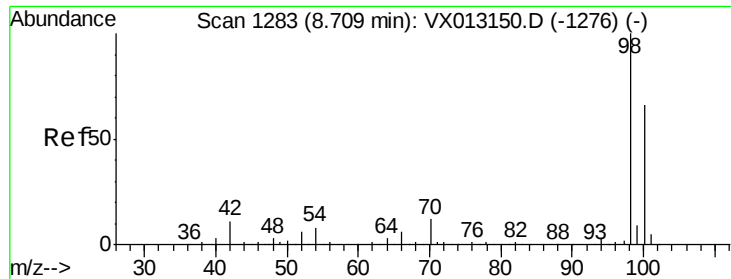
#60
 4-Bromofluorobenzene
 Concen: 26.959 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX013242.D
 Acq: 28 Oct 2019 12:52

Tgt Ion: 95 Resp: 53053
 Ion Ratio Lower Upper
 95 100
 174 77.9 60.0 90.0
 176 76.6 58.5 87.7



Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

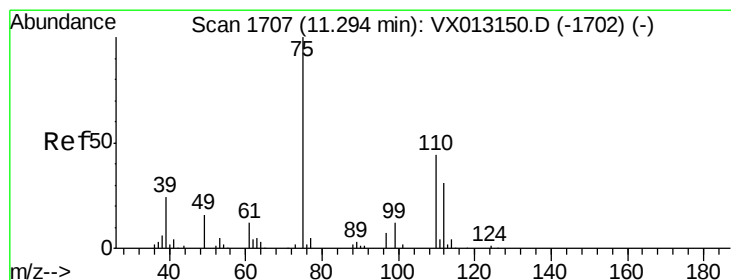
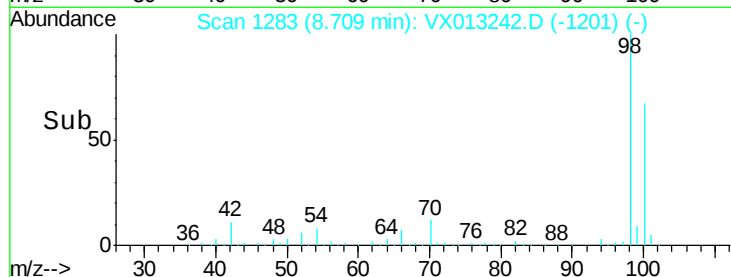
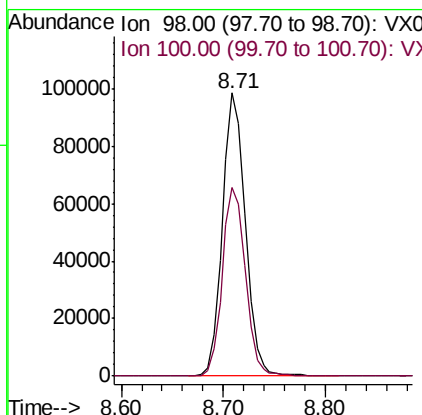
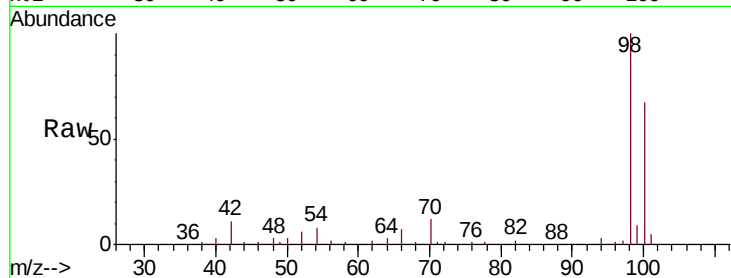




#63
Toluene-d8
Concen: 30.694 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013242.D
Acq: 28 Oct 2019 12:52

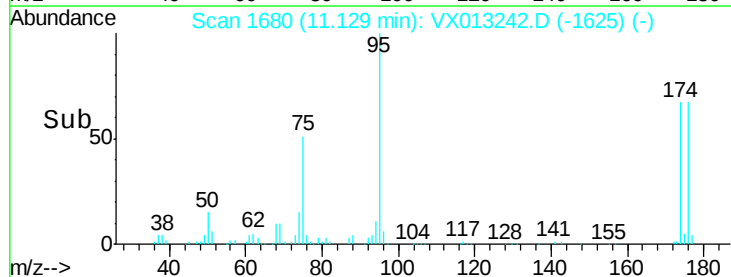
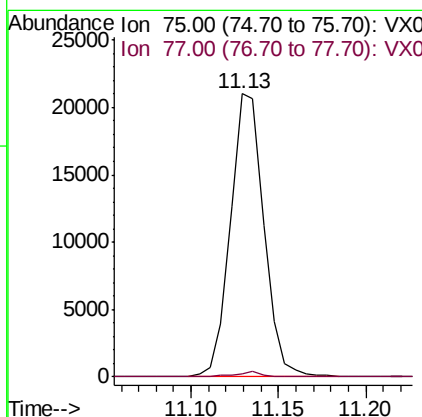
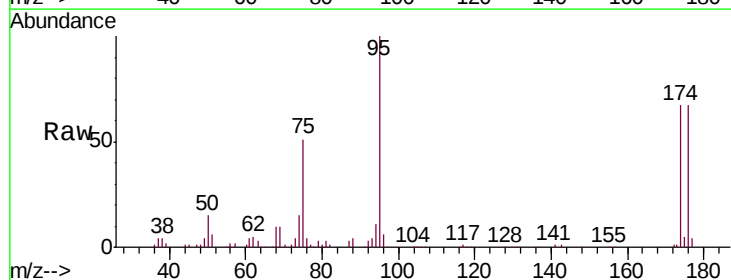
Instrument :
MSVOA_X
ClientSampleId :
VX1028WBL02

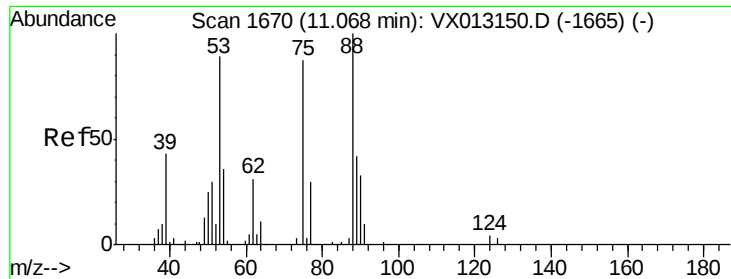
Tgt Ion: 98 Resp: 154283
Ion Ratio Lower Upper
98 100
100 67.1 53.1 79.7



#72
1,2,3-Trichloropropane
Concen: 15.091 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013242.D
Acq: 28 Oct 2019 12:52

Tgt Ion: 75 Resp: 28076
Ion Ratio Lower Upper
75 100
77 1.2 0.0 74.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 38.867 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013242.D
 Acq: 28 Oct 2019 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBL02

Tgt Ion: 75 Resp: 28076
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.1 153.4#
 89 0.0 24.1 72.4#

