

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040919\
 Data File : VX008762.D
 Acq On : 09 Apr 2019 11:05
 Operator : JC/SP
 Sample : K2268-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-7

Quant Time: Apr 09 11:25:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31067	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	182724	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	155935	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	78497	30.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.67%
60) 4-Bromofluorobenzene	11.13	95	76780	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	8.71	98	222452	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

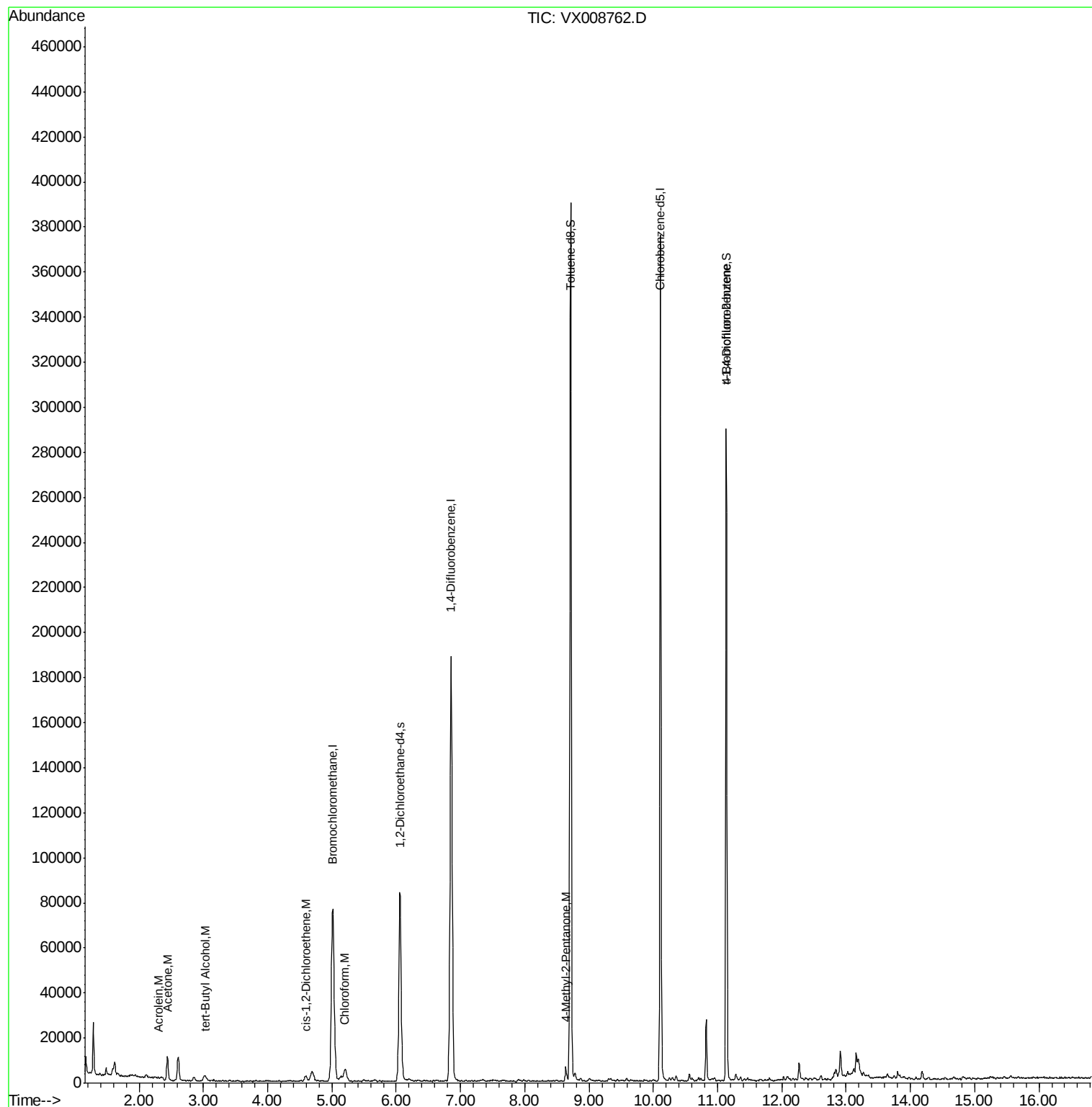
					Qvalue
13) Acrolein	2.29	56	119	0.260	ug/l 87
15) Acetone	2.44	58	3402	7.483	ug/l 89
22) cis-1,2-Dichloroethene	4.59	96	1270	0.523	ug/l # 83
23) tert-Butyl Alcohol	3.04	59	2981	5.008	ug/l # 100
25) Chloroform	5.20	83	6101	1.559	ug/l 94
58) 4-Methyl-2-Pentanone	8.64	43	4327	1.052	ug/l 95
77) t-1,4-Dichloro-2-butene	11.13	75	38843	32.503	ug/l # 6

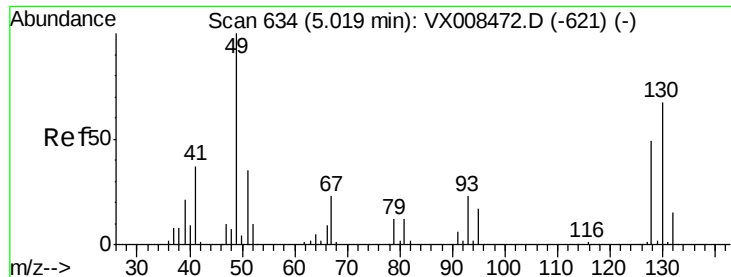
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008762.D

Acq: 09 Apr 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

55-ST-7

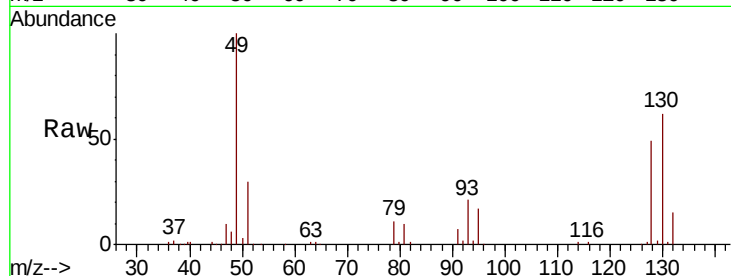
Tgt Ion:128 Resp: 31067

Ion Ratio Lower Upper

128 100

49 207.3 0.0 350.8

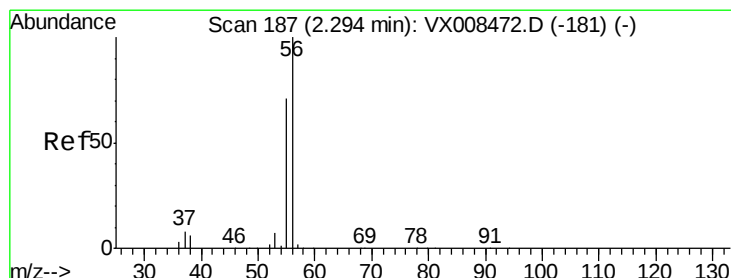
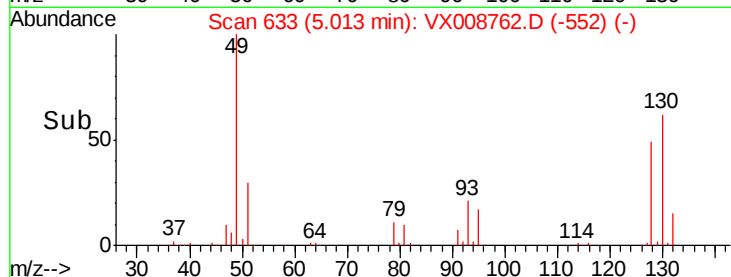
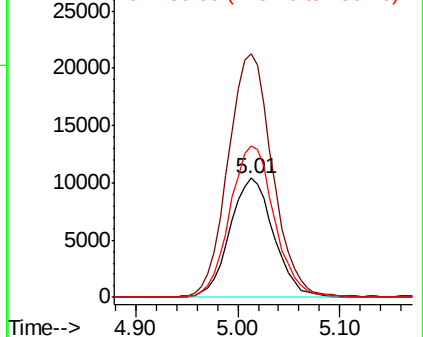
130 129.1 0.0 325.8



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: 0.260 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008762.D

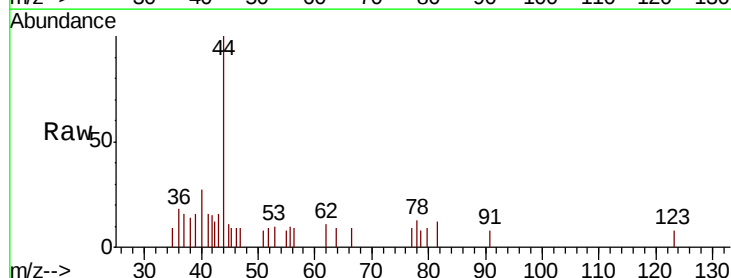
Acq: 09 Apr 2019 11:05

Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

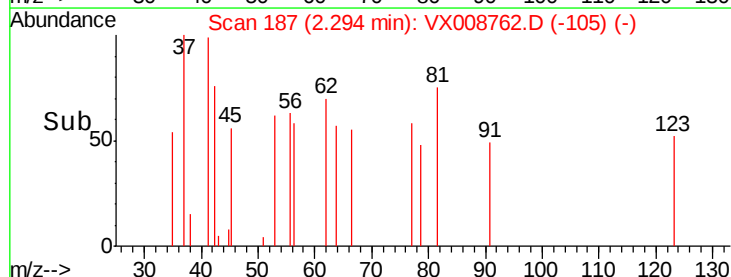
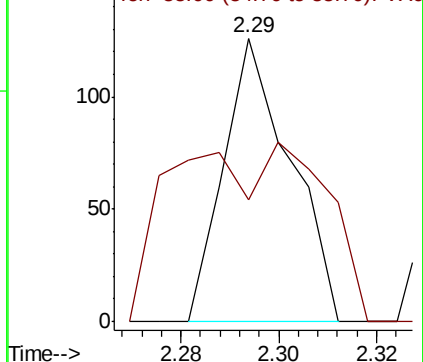
56 100

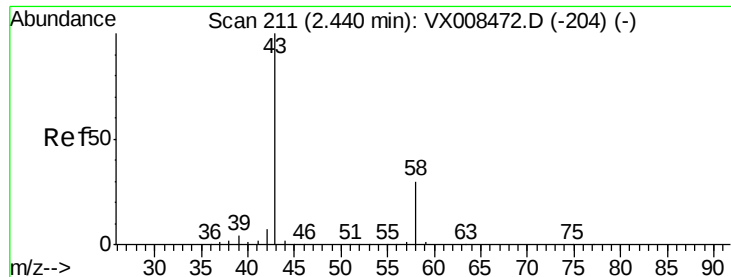
55 62.2 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 7.483 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008762.D

Acq: 09 Apr 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

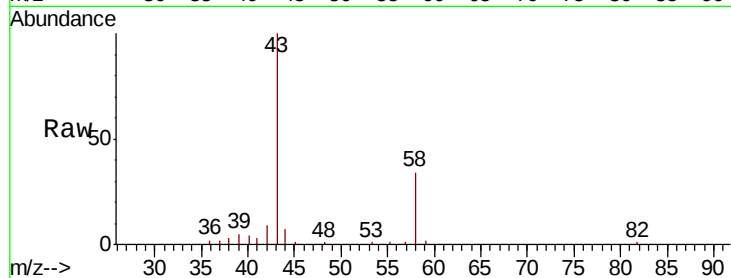
55-ST-7

Tgt Ion: 58 Resp: 3402

Ion Ratio Lower Upper

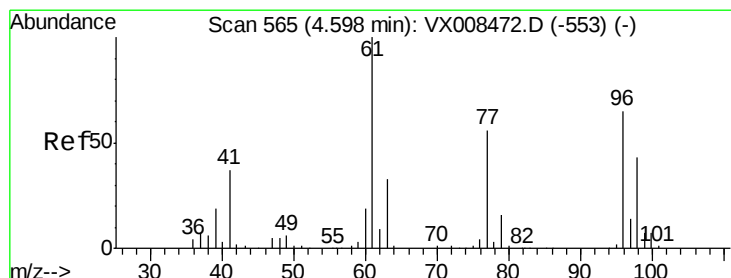
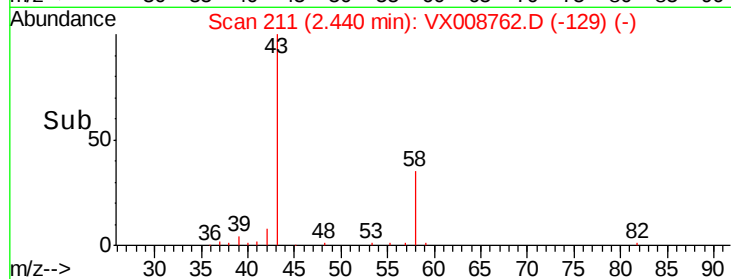
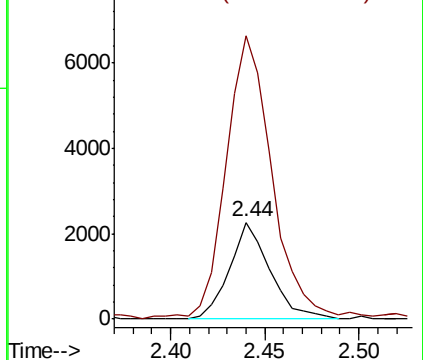
58 100

43 289.7 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 0.523 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008762.D

Acq: 09 Apr 2019 11:05

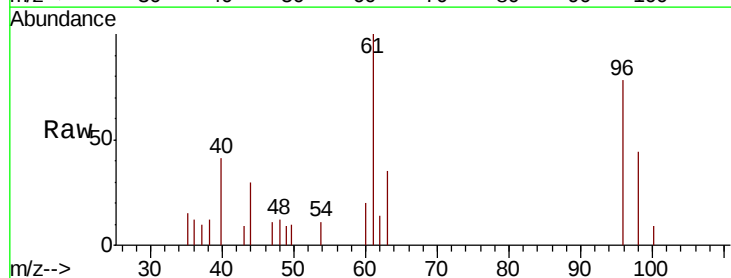
Tgt Ion: 96 Resp: 1270

Ion Ratio Lower Upper

96 100

61 158.3 103.5 155.3#

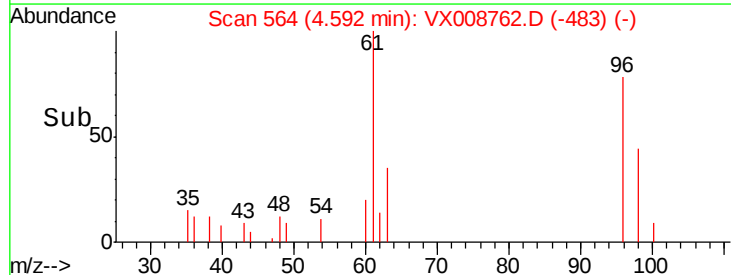
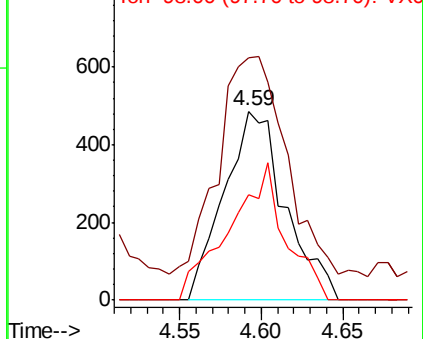
98 66.5 52.1 78.1

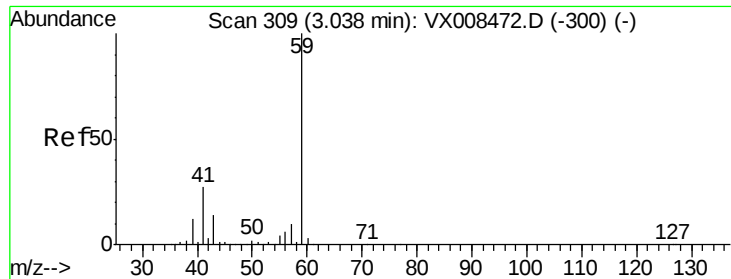


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

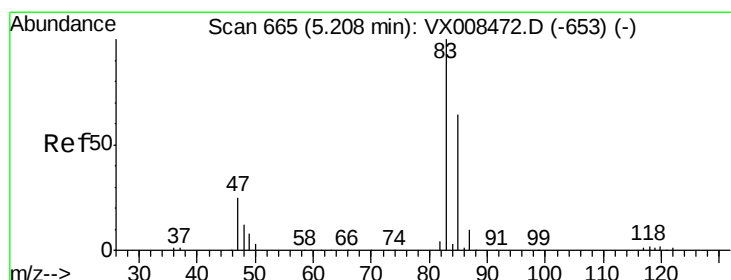
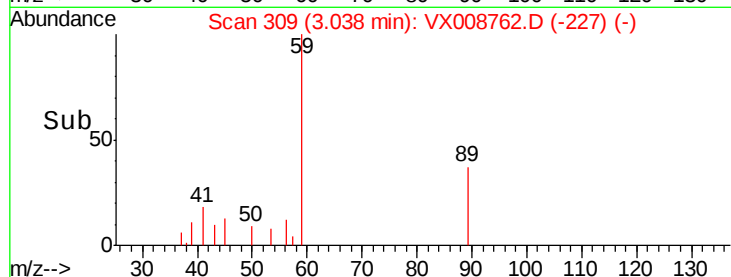
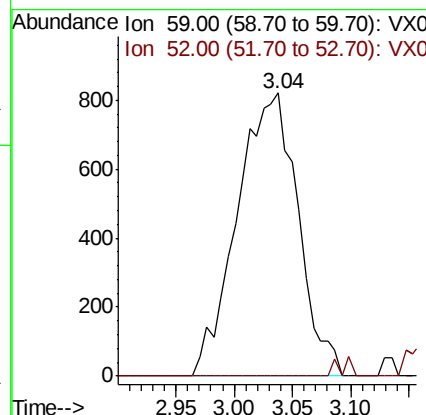
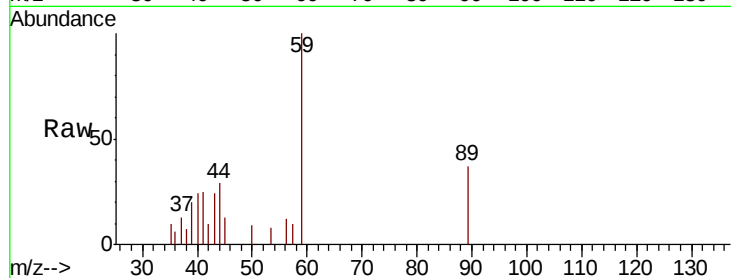




#23
 tert-Butyl Alcohol
 Concen: 5.008 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VX008762.D
 Acq: 09 Apr 2019 11:05

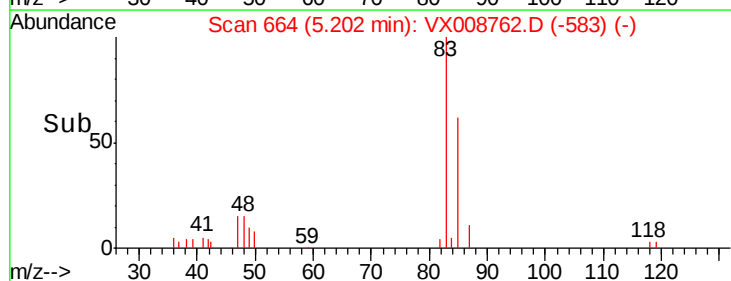
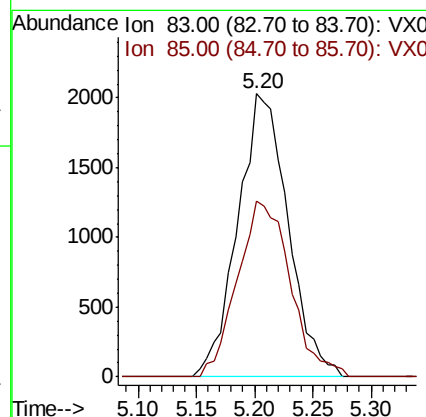
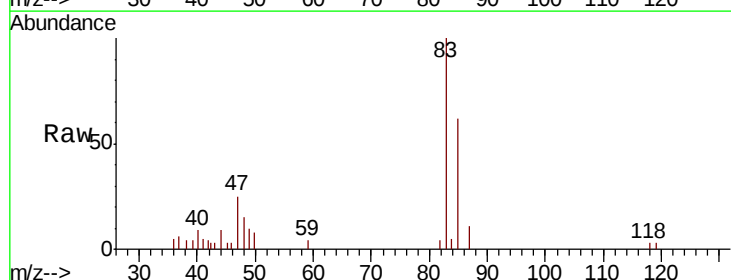
Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-7

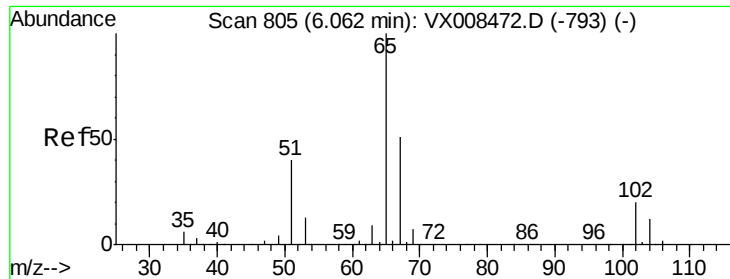
Tgt Ion: 59 Resp: 2981
 Ion Ratio Lower Upper
 59 100
 52 0.6 0.2 0.2#



#25
 Chloroform
 Concen: 1.559 ug/l
 RT: 5.20 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: VX008762.D
 Acq: 09 Apr 2019 11:05

Tgt Ion: 83 Resp: 6101
 Ion Ratio Lower Upper
 83 100
 85 62.1 53.8 80.6

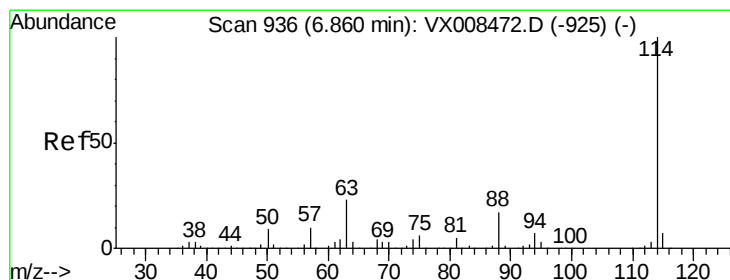
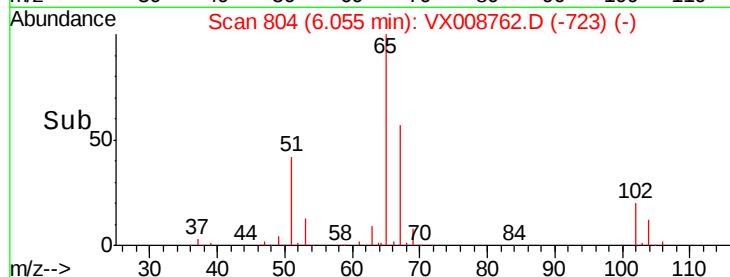
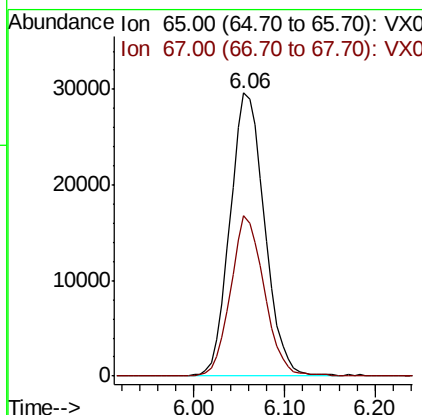
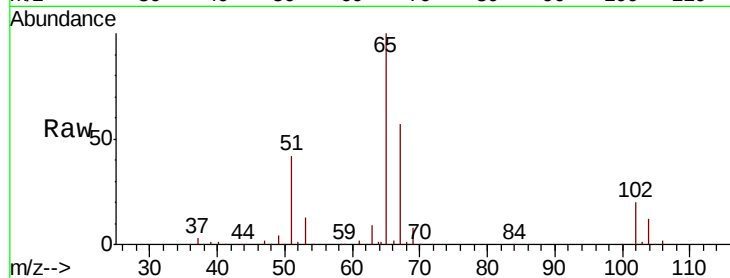




#27
 1,2-Dichloroethane-d4
 Concen: 30.204 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008762.D
 Acq: 09 Apr 2019 11:05

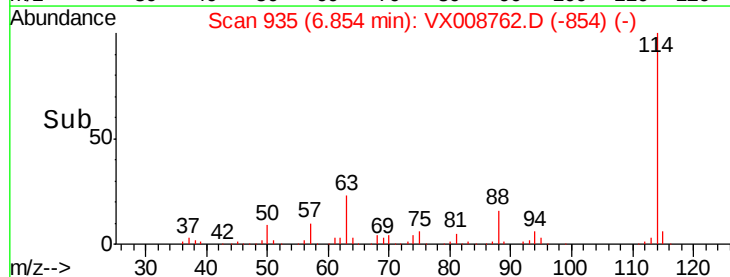
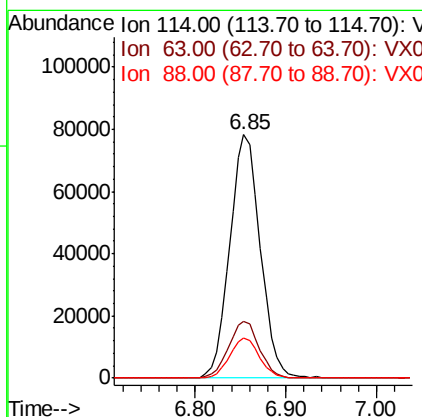
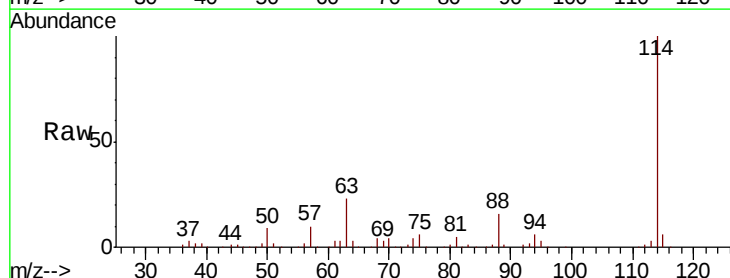
Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-7

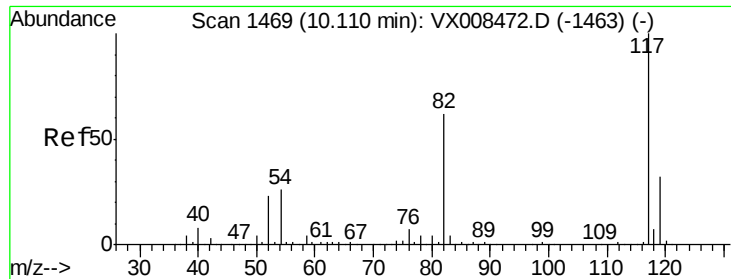
Tgt Ion: 65 Resp: 78497
 Ion Ratio Lower Upper
 65 100
 67 55.1 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008762.D
 Acq: 09 Apr 2019 11:05

Tgt Ion: 114 Resp: 182724
 Ion Ratio Lower Upper
 114 100
 63 23.4 14.2 21.4#
 88 16.3 11.9 17.9

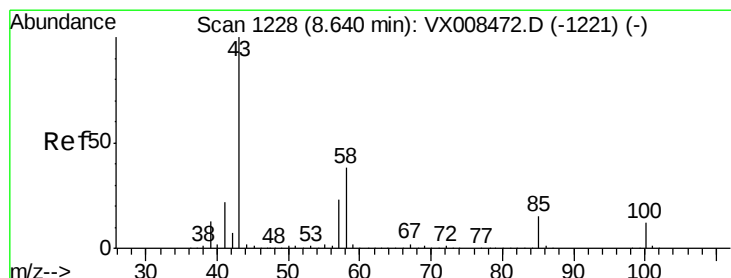
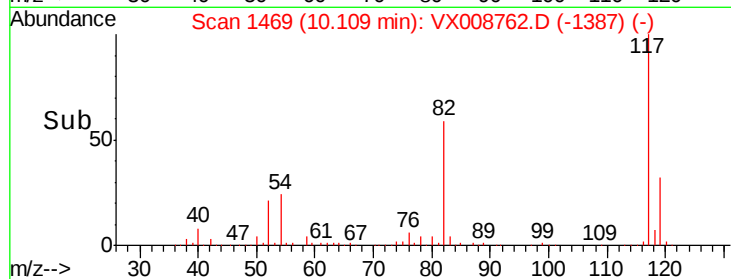
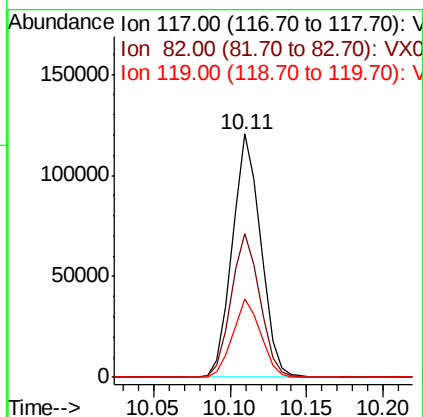
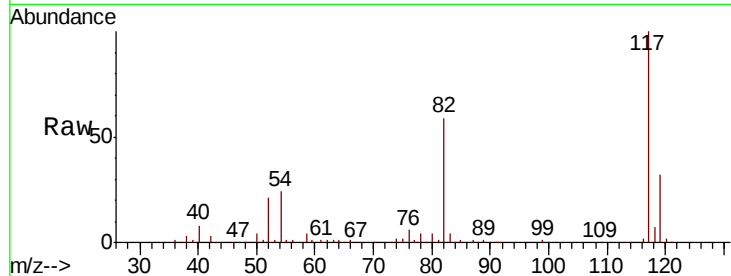




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008762.D
Acq: 09 Apr 2019 11:05

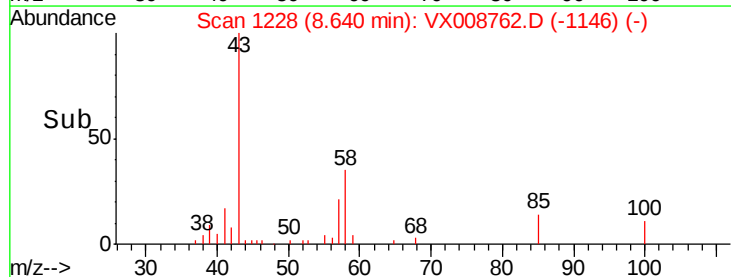
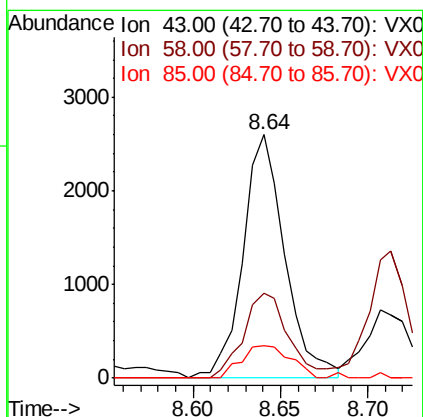
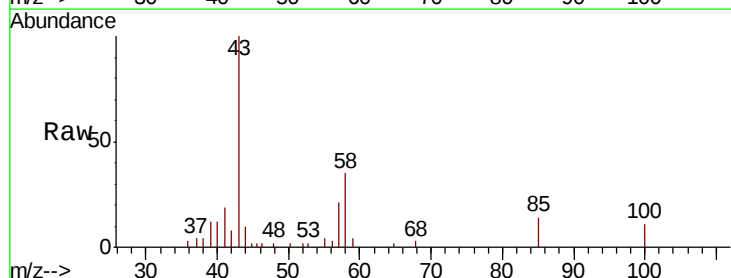
Instrument :
MSVOA_X
ClientSampled :
55-ST-7

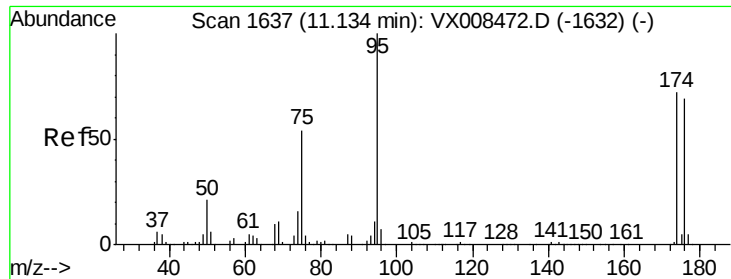
Tgt Ion: 117 Resp: 155935
Ion Ratio Lower Upper
117 100
82 59.7 40.4 60.6
119 31.9 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 1.052 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008762.D
Acq: 09 Apr 2019 11:05

Tgt Ion: 43 Resp: 4327
Ion Ratio Lower Upper
43 100
58 36.7 31.4 47.0
85 15.7 15.0 22.6

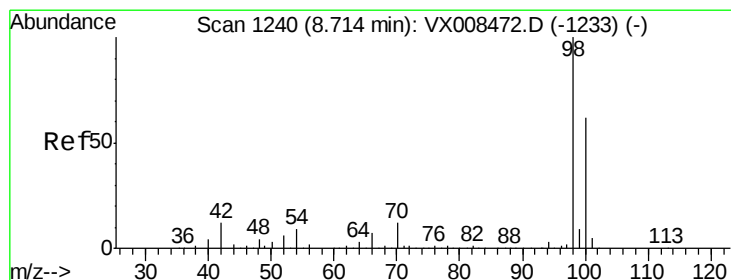
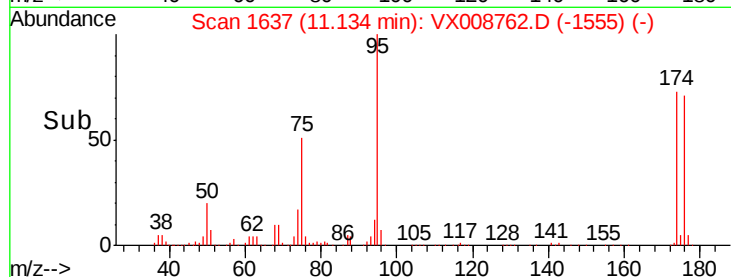
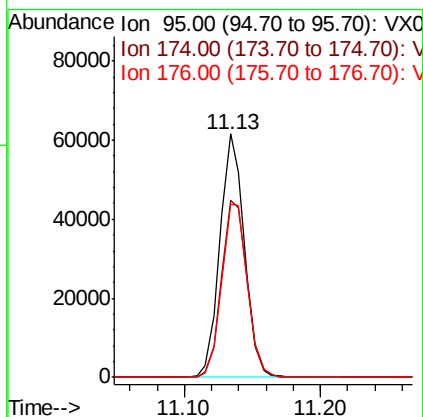
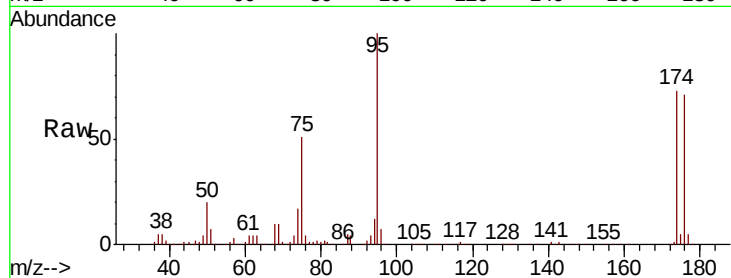




#60
4-Bromofluorobenzene
Concen: 28.260 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008762.D
Acq: 09 Apr 2019 11:05

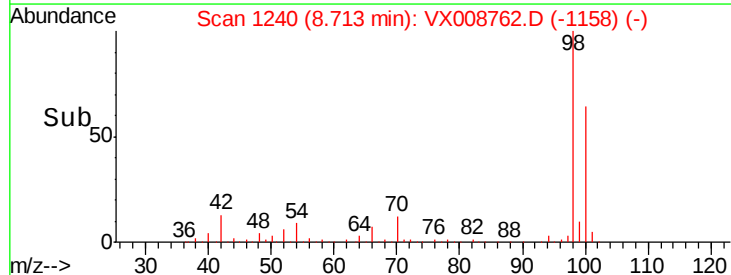
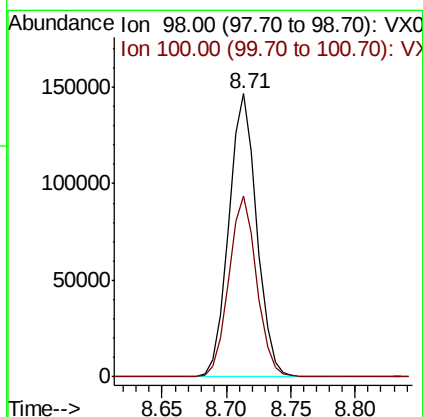
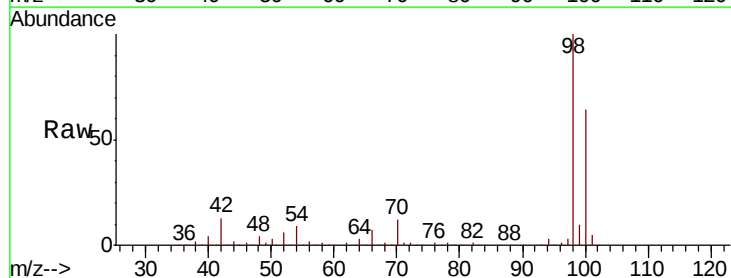
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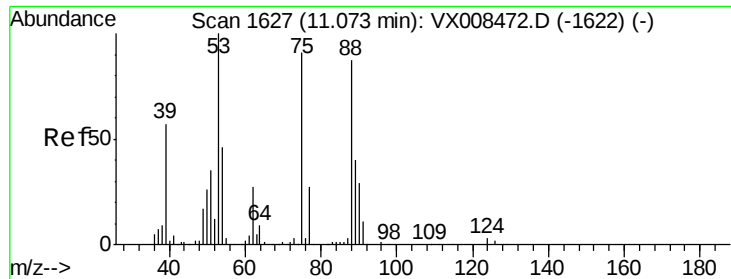
Tgt Ion: 95 Resp: 76780
Ion Ratio Lower Upper
95 100
174 75.8 74.9 112.3
176 74.2 70.7 106.1



#63
Toluene-d8
Concen: 30.054 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008762.D
Acq: 09 Apr 2019 11:05

Tgt Ion: 98 Resp: 222452
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3





#77
t-1,4-Dichloro-2-butene
Concen: 32.503 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008762.D
Acq: 09 Apr 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
55-ST-7

Tgt Ion: 75 Resp: 38843
Ion Ratio Lower Upper
75 100
53 0.2 55.5 166.7#
89 0.0 24.4 73.2#

