

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008675.D
 Acq On : 05 Apr 2019 11:25
 Operator : JC/SP
 Sample : K2287-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: Apr 05 13:42:44 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	30897	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	181870	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	154915	30.00	ug/l	0.00

System Monitoring Compounds

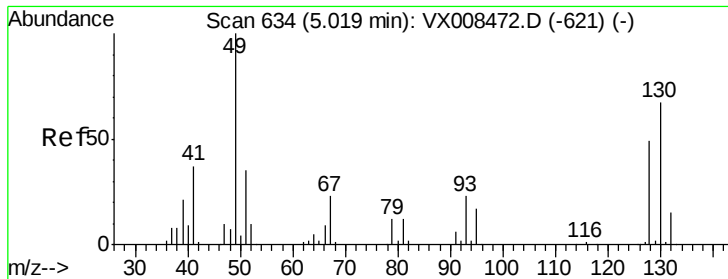
27) 1,2-Dichloroethane-d4	6.06	65	78057	30.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.67%
60) 4-Bromofluorobenzene	11.13	95	76483	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	8.71	98	221241	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Qvalue	
5) Bromomethane	1.64	94	381	0.264	ug/l #	51
15) Acetone	2.43	58	618	1.367	ug/l	80
22) cis-1,2-Dichloroethene	4.60	96	539	0.223	ug/l	85
23) tert-Butyl Alcohol	3.01	59	1929	3.258	ug/l #	99
25) Chloroform	5.20	83	1105	0.284	ug/l	86
51) Ethyl methacrylate	8.71	69	855	0.201	ug/l	94
77) t-1,4-Dichloro-2-butene	11.13	75	38813	32.692	ug/l #	5

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

```
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Acq On    : 05 Apr 2019  11:25
Operator  : JC/SP
Sample    : K2287-01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 4    Sample Multiplier: 1
```



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008675.D

Acq: 05 Apr 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

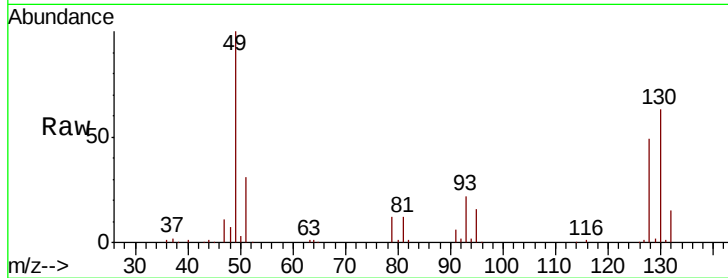
Tgt Ion:128 Resp: 30897

Ion Ratio Lower Upper

128 100

49 205.9 0.0 350.8

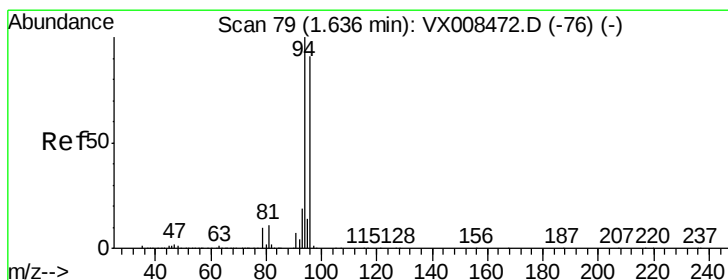
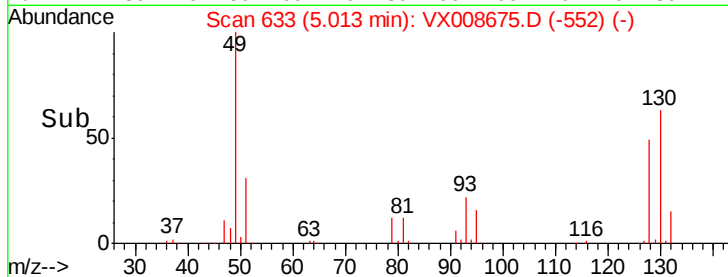
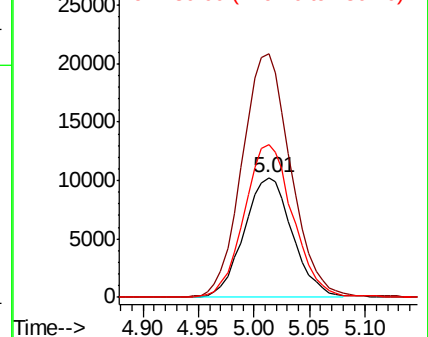
130 128.9 0.0 325.8



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



#5

Bromomethane

Concen: 0.264 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008675.D

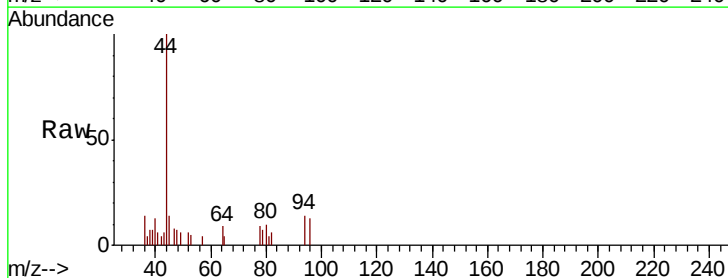
Acq: 05 Apr 2019 11:25

Tgt Ion: 94 Resp: 381

Ion Ratio Lower Upper

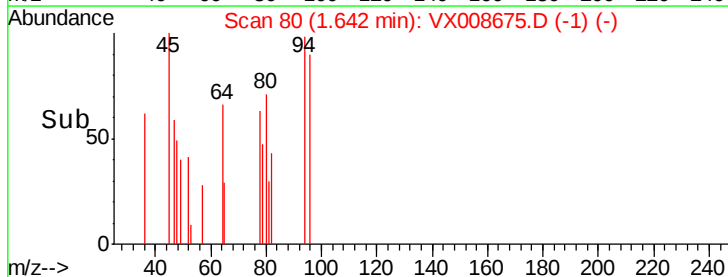
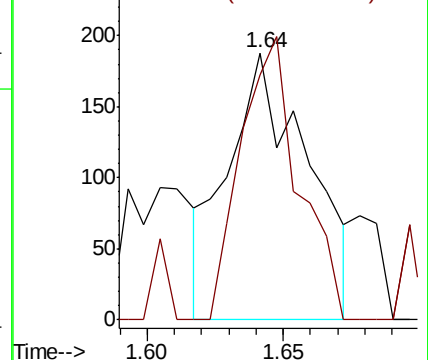
94 100

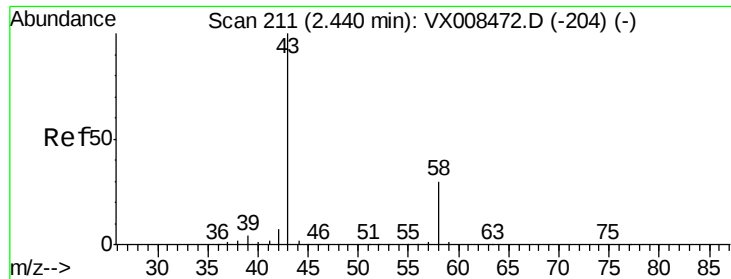
96 142.1 75.6 113.4#



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#15

Acetone

Concen: 1.367 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008675.D

Acq: 05 Apr 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

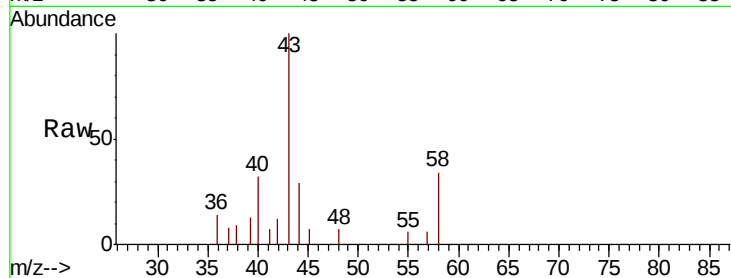
SPDES-1

Tgt Ion: 58 Resp: 618

Ion Ratio Lower Upper

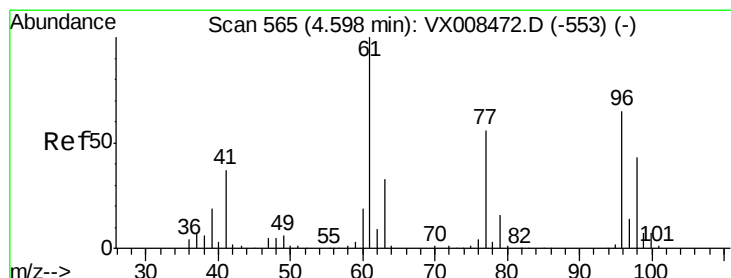
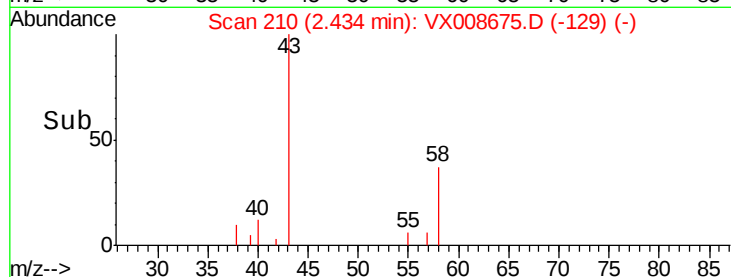
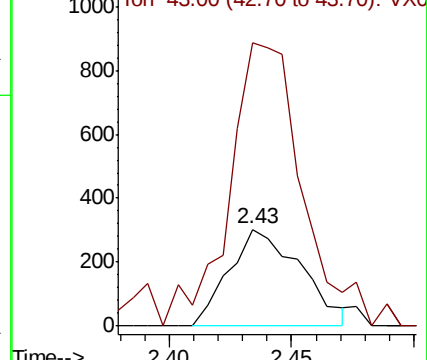
58 100

43 271.3 249.8 374.6



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: 0.223 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008675.D

Acq: 05 Apr 2019 11:25

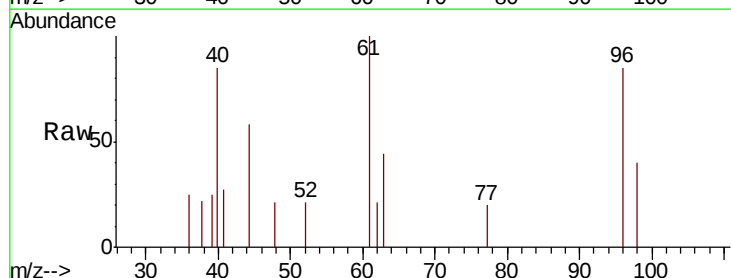
Tgt Ion: 96 Resp: 539

Ion Ratio Lower Upper

96 100

61 154.2 103.5 155.3

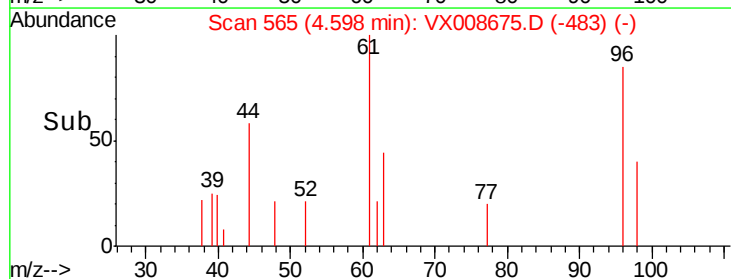
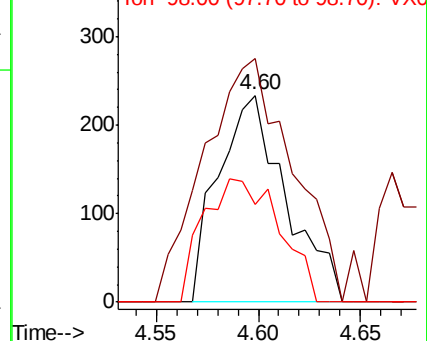
98 67.2 52.1 78.1

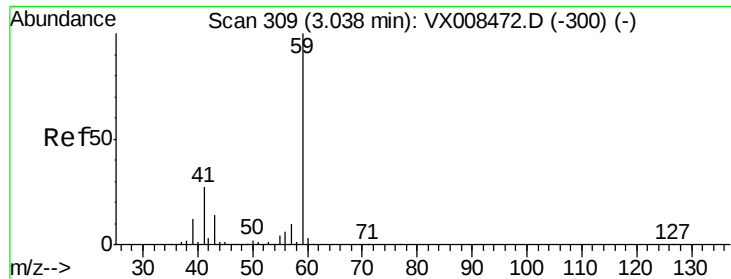


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



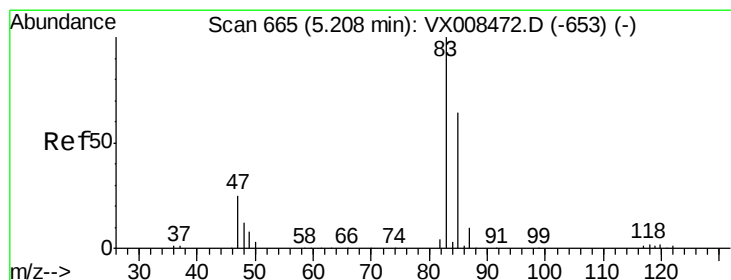
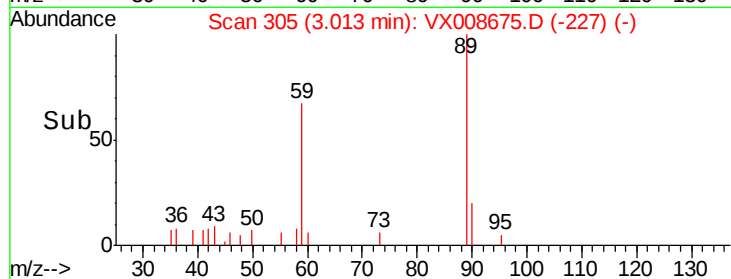
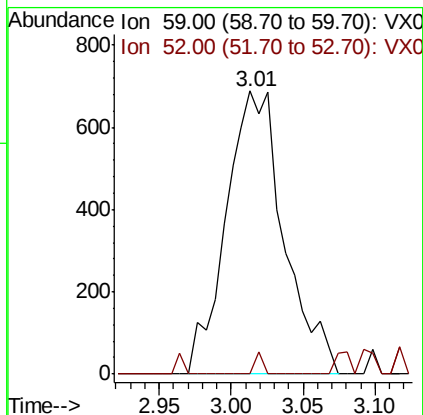
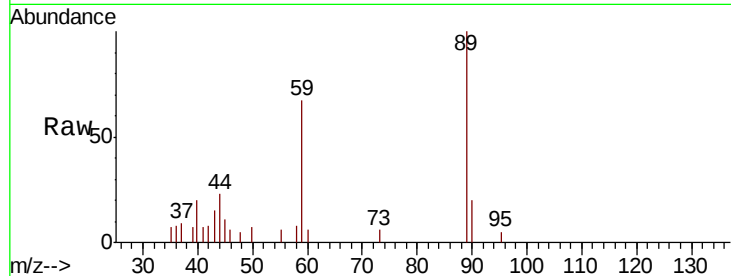


#23

tert-Butyl Alcohol
 Concen: 3.258 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.02 min
 Lab File: VX008675.D
 Acq: 05 Apr 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

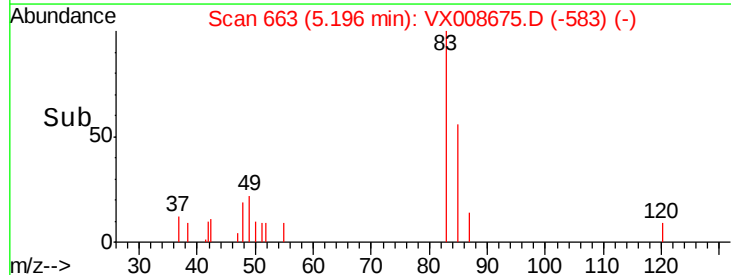
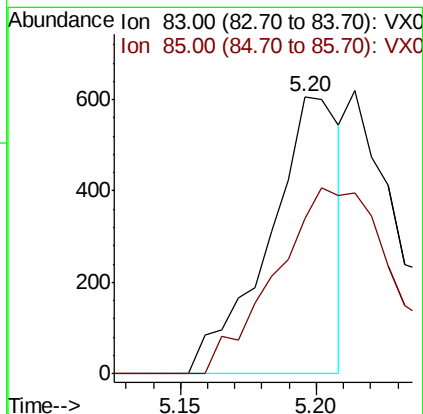
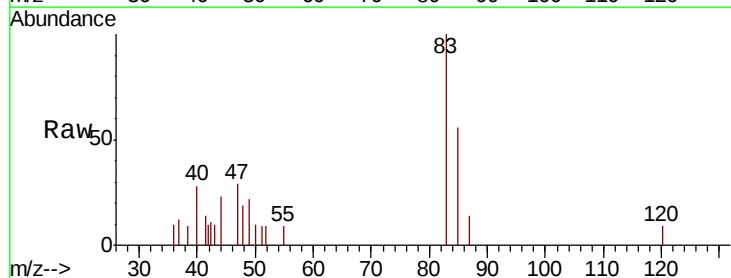
Tgt Ion: 59 Resp: 1929
 Ion Ratio Lower Upper
 59 100
 52 2.0 0.2 0.2#

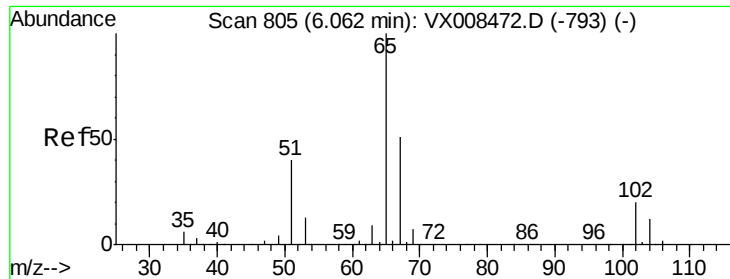


#25

Chloroform
 Concen: 0.284 ug/l
 RT: 5.20 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: VX008675.D
 Acq: 05 Apr 2019 11:25

Tgt Ion: 83 Resp: 1105
 Ion Ratio Lower Upper
 83 100
 85 56.1 53.8 80.6

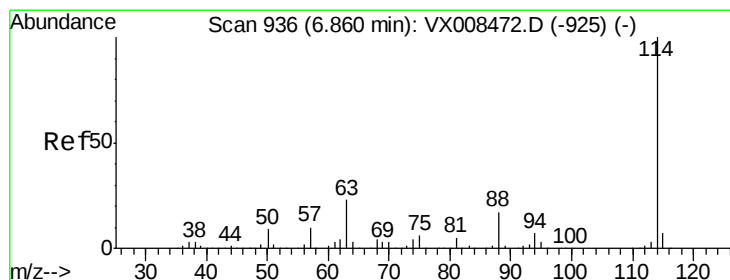
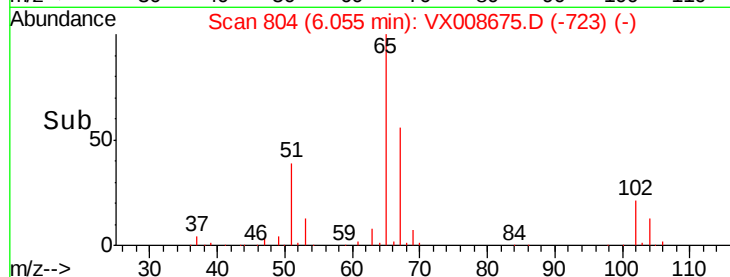
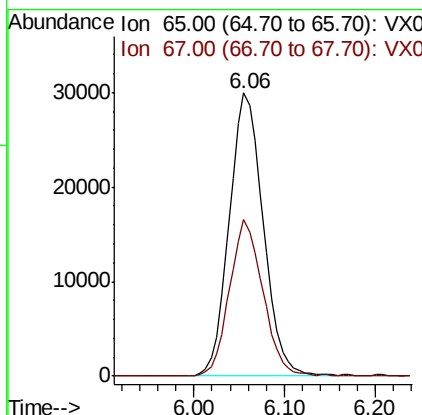
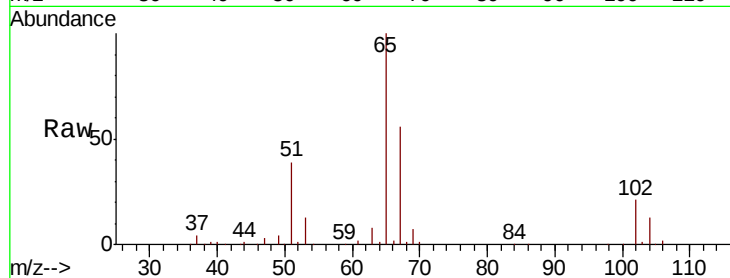




#27
 1,2-Dichloroethane-d4
 Concen: 30.200 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008675.D
 Acq: 05 Apr 2019 11:25

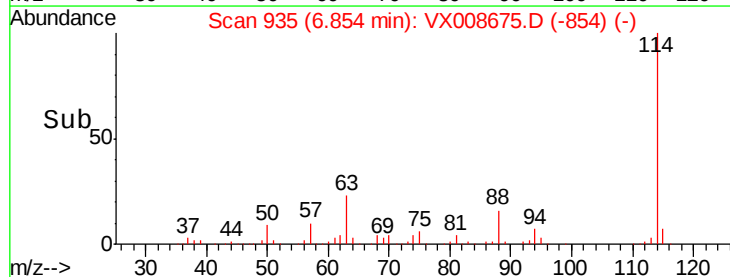
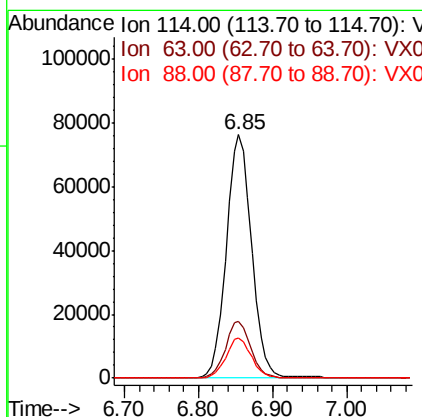
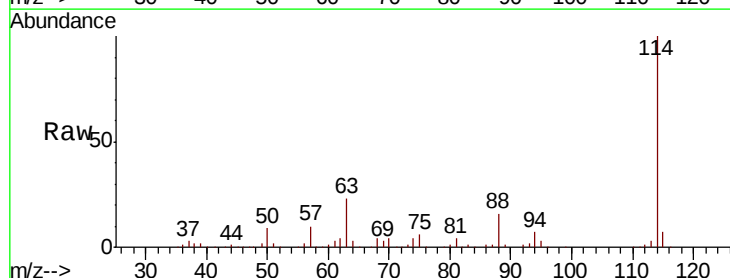
Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

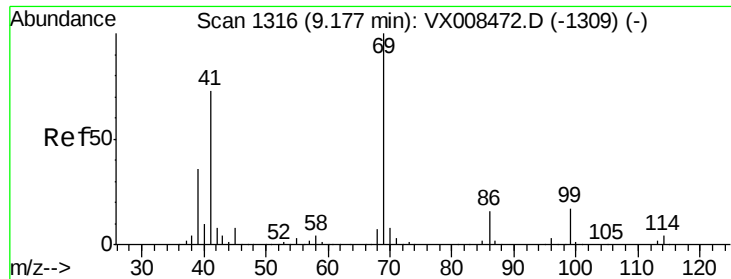
Tgt Ion: 65 Resp: 78057
 Ion Ratio Lower Upper
 65 100
 67 54.1 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008675.D
 Acq: 05 Apr 2019 11:25

Tgt Ion: 114 Resp: 181870
 Ion Ratio Lower Upper
 114 100
 63 23.2 14.2 21.4#
 88 16.6 11.9 17.9





#51

Ethyl methacrylate

Concen: 0.201 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.46 min

Lab File: VX008675.D

Acq: 05 Apr 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

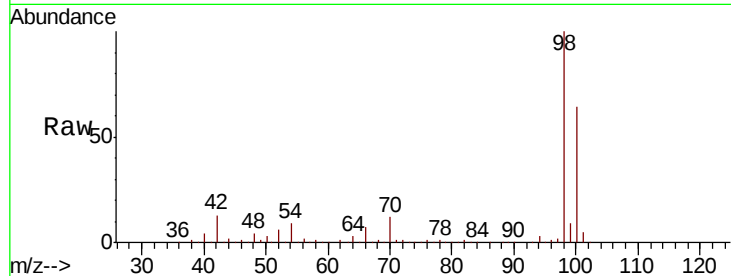
Tgt Ion: 69 Resp: 855

Ion Ratio Lower Upper

69 100

41 57.9 32.1 96.5

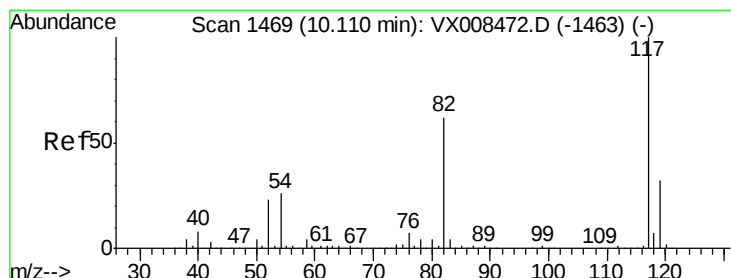
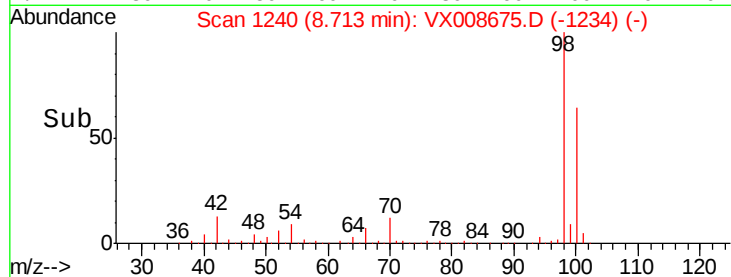
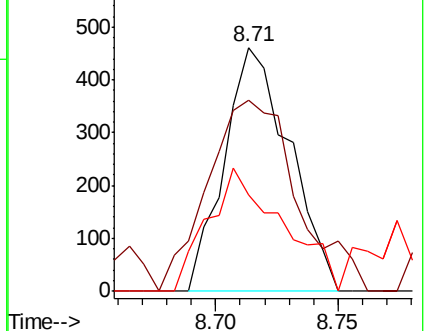
39 39.7 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008675.D

Acq: 05 Apr 2019 11:25

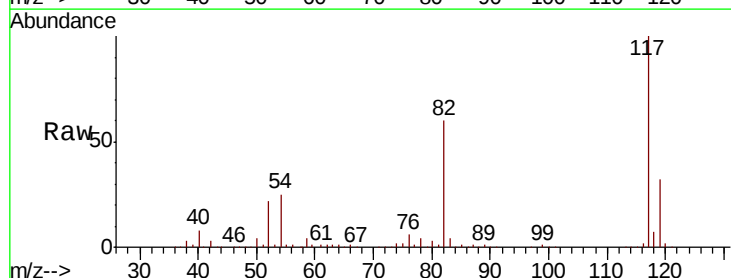
Tgt Ion: 117 Resp: 154915

Ion Ratio Lower Upper

117 100

82 60.1 40.4 60.6

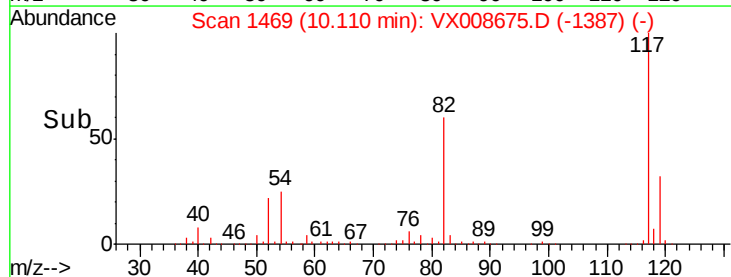
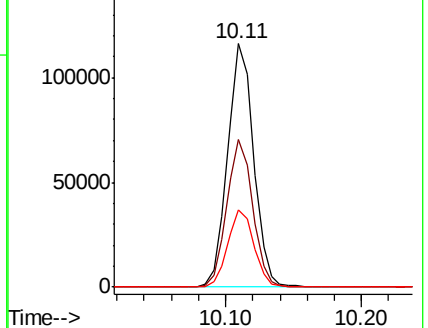
119 32.1 25.8 38.6

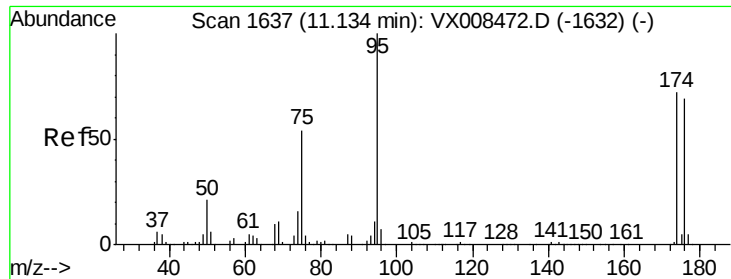


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

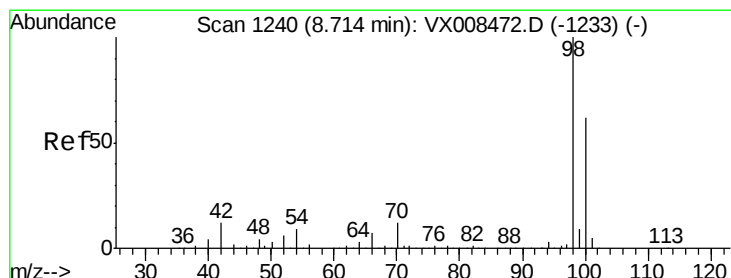
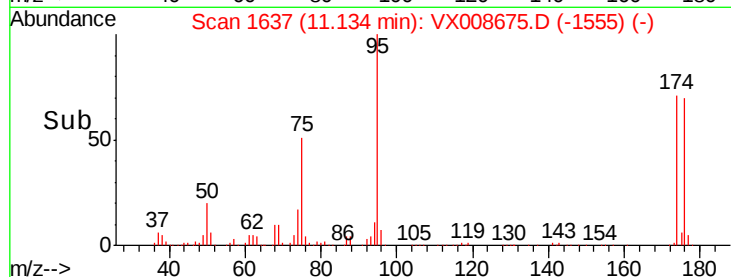
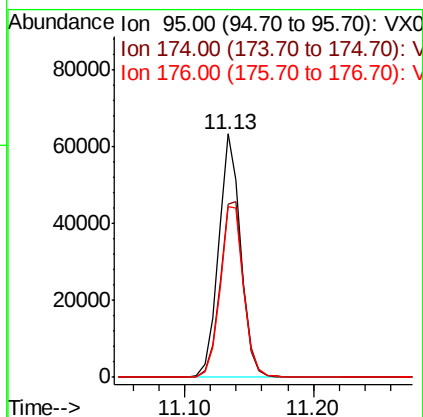
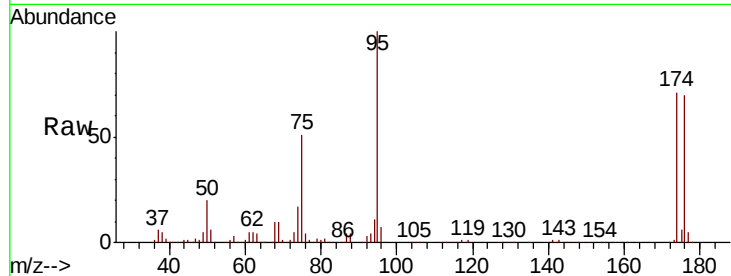




#60
4-Bromofluorobenzene
Concen: 28.336 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008675.D
Acq: 05 Apr 2019 11:25

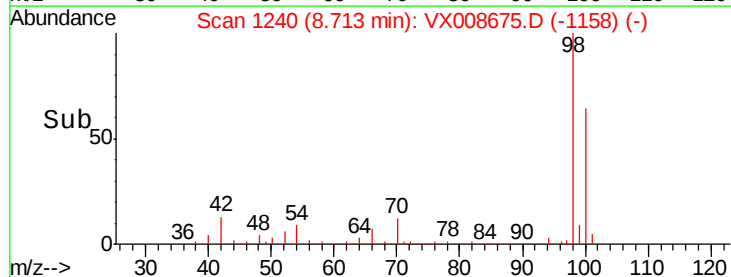
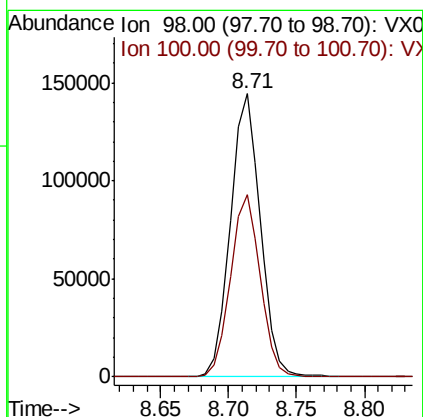
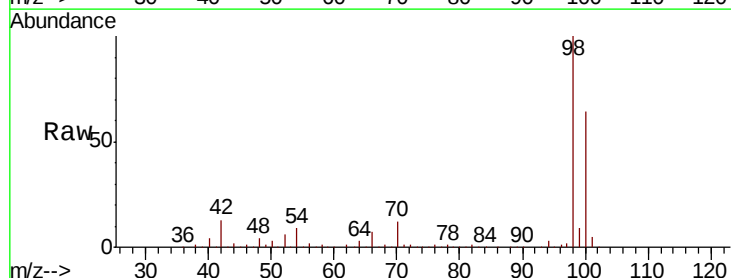
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

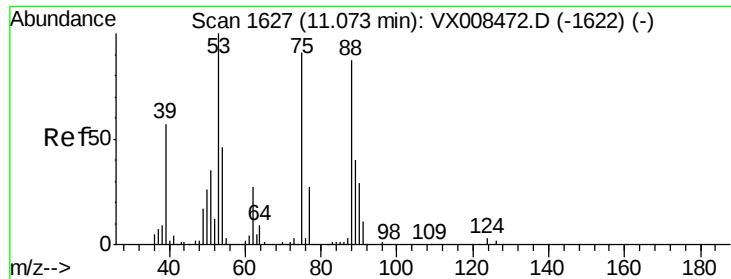
Tgt Ion: 95 Resp: 76483
Ion Ratio Lower Upper
95 100
174 76.9 74.9 112.3
176 74.2 70.7 106.1



#63
Toluene-d8
Concen: 30.087 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008675.D
Acq: 05 Apr 2019 11:25

Tgt Ion: 98 Resp: 221241
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3





#77
t-1,4-Dichloro-2-butene
Concen: 32.692 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008675.D
Acq: 05 Apr 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

Tgt Ion: 75 Resp: 38813
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.7#
89 0.0 24.4 73.2#

