

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051019\
 Data File : VX009473.D
 Acq On : 10 May 2019 11:18
 Operator : JC/SP
 Sample : K2803-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: May 10 11:42:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	28779	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	166003	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	142910	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	71537	29.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.90%
60) 4-Bromofluorobenzene	11.13	95	68201	28.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.60%
63) Toluene-d8	8.71	98	204371	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

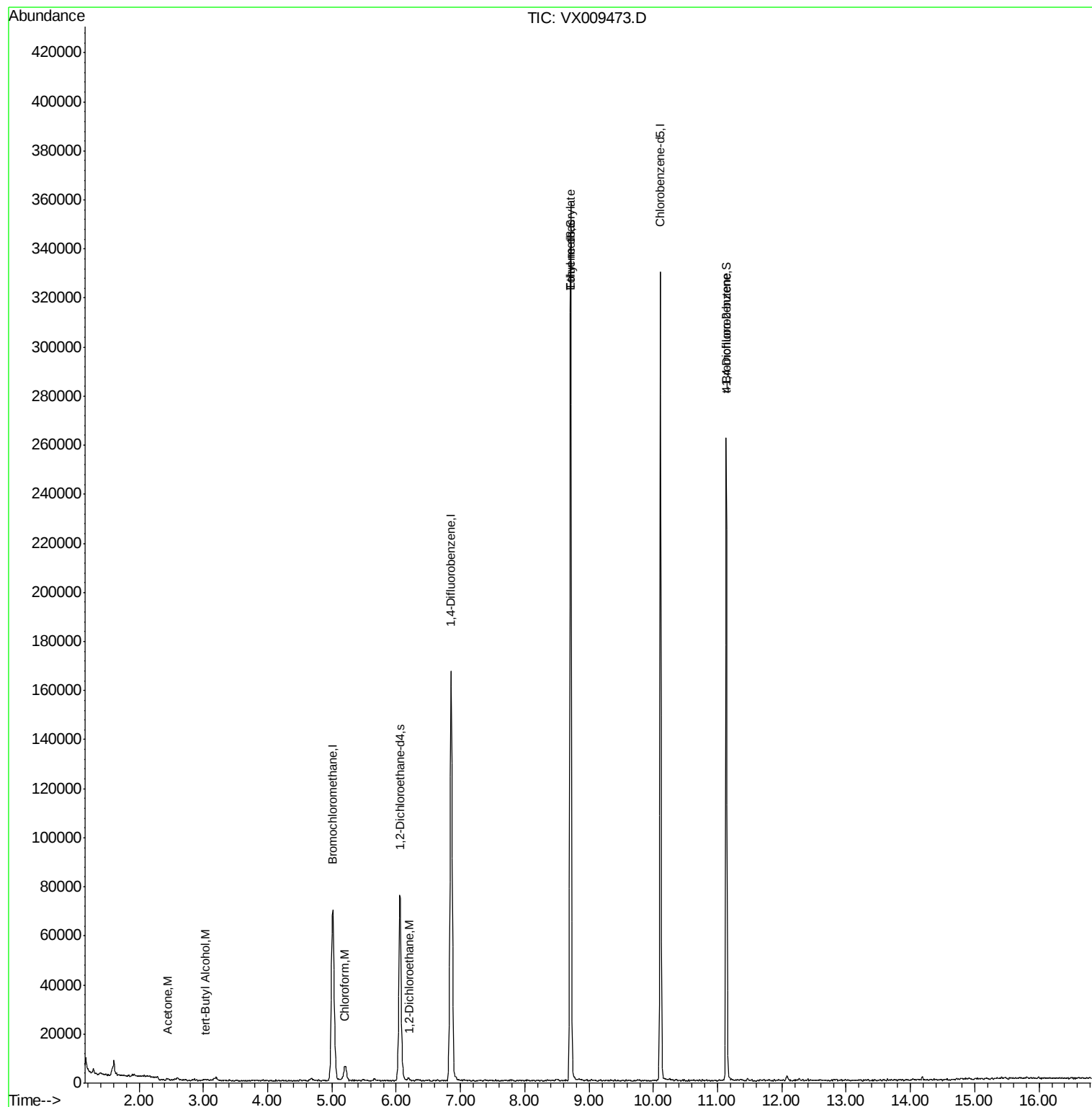
					Qvalue	
15) Acetone	2.45	58	180	0.487	ug/l #	1
23) tert-Butyl Alcohol	3.04	59	153	0.281	ug/l #	100
25) Chloroform	5.20	83	6798	2.068	ug/l	98
36) 1,2-Dichloroethane	6.20	62	606	0.222	ug/l	96
51) Ethyl methacrylate	8.72	69	721	0.210	ug/l	86
77) t-1,4-Dichloro-2-butene	11.13	75	34325	32.827	ug/l #	10

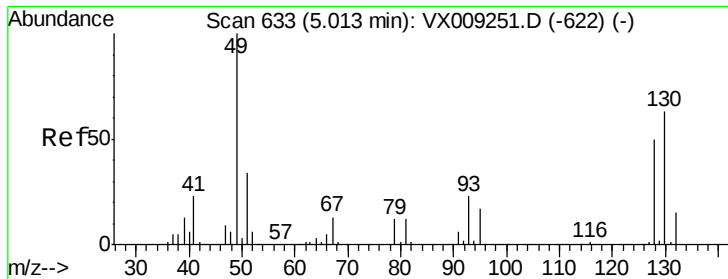
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009473.D

Acq: 10 May 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

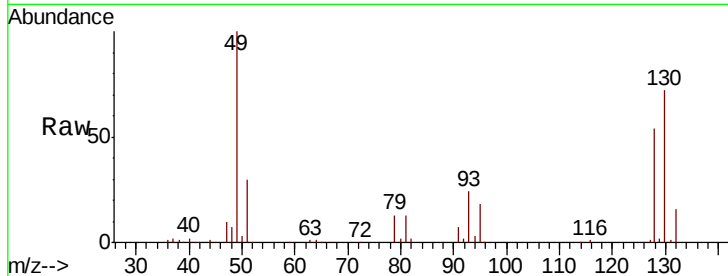
Tgt Ion:128 Resp: 28779

Ion Ratio Lower Upper

128 100

49 198.6 0.0 515.0

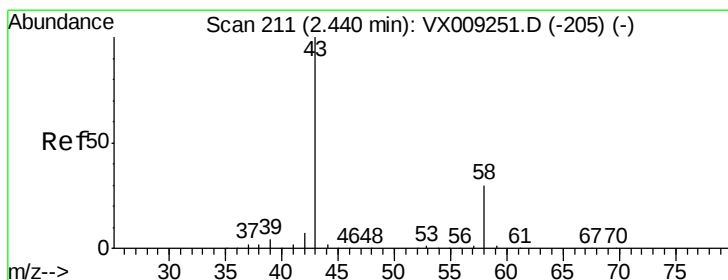
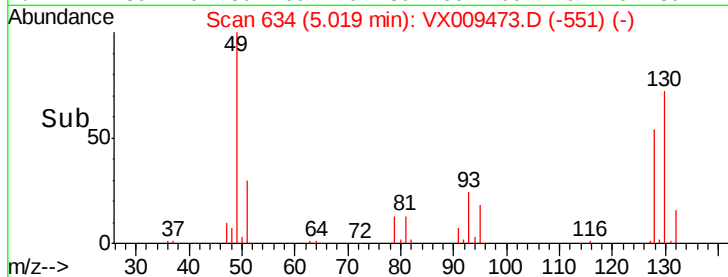
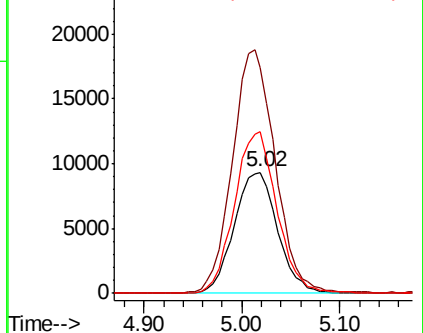
130 130.7 0.0 323.3



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



#15

Acetone

Concen: 0.487 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009473.D

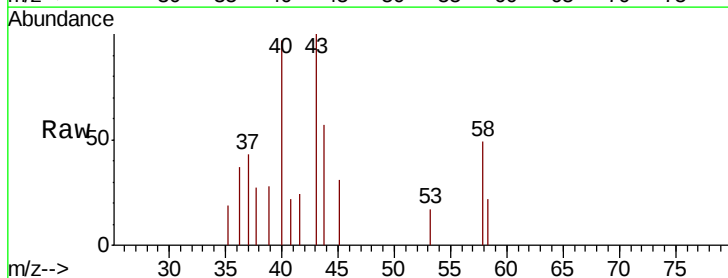
Acq: 10 May 2019 11:18

Tgt Ion: 58 Resp: 180

Ion Ratio Lower Upper

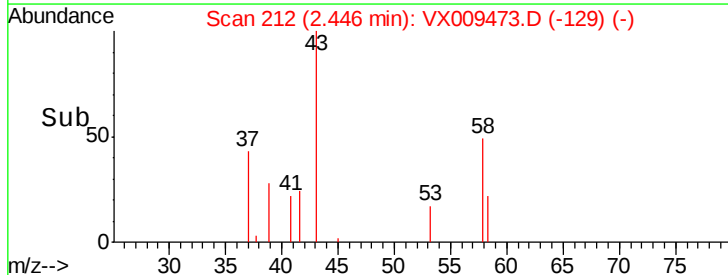
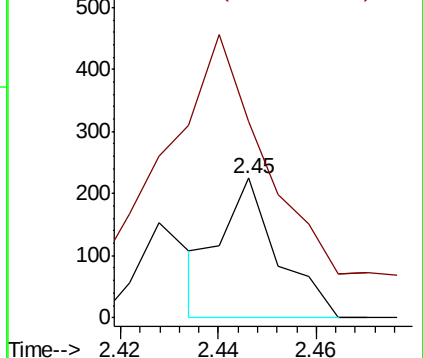
58 100

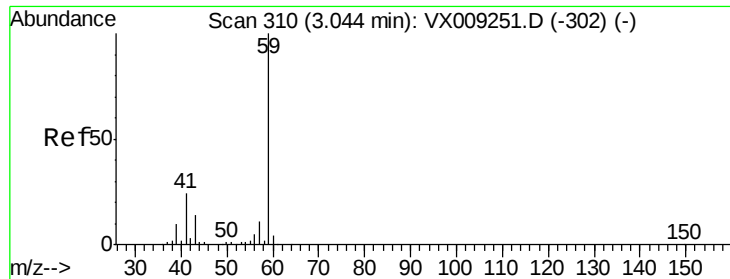
43 108.9 264.0 396.0#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



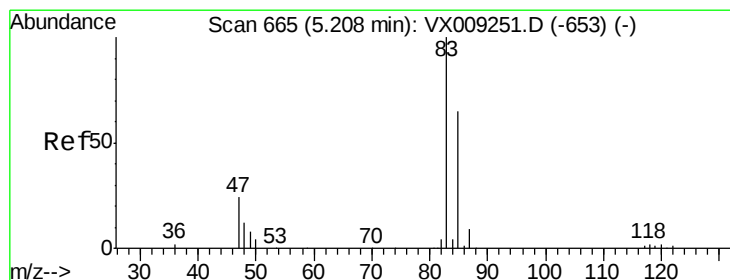
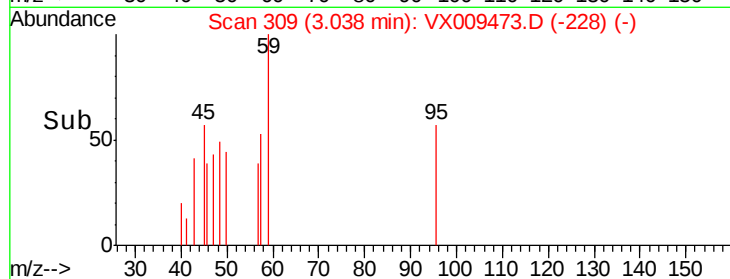
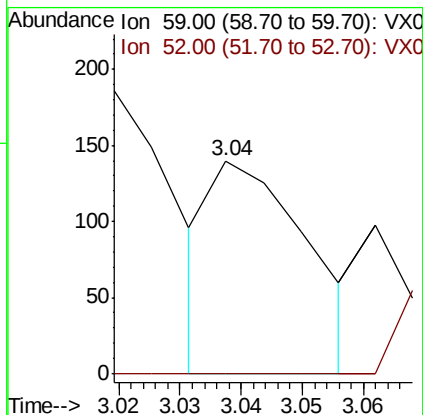
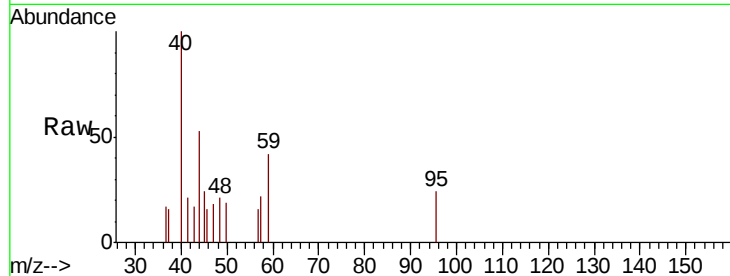


#23

tert-Butyl Alcohol
 Concen: 0.281 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009473.D
 Acq: 10 May 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

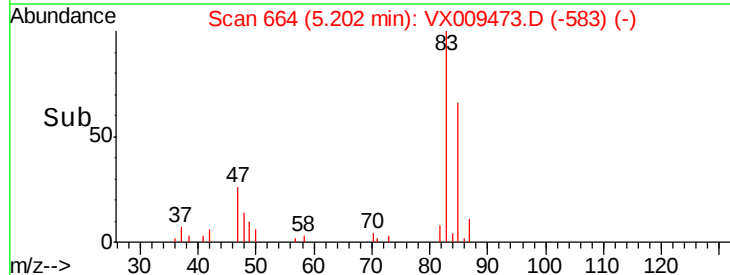
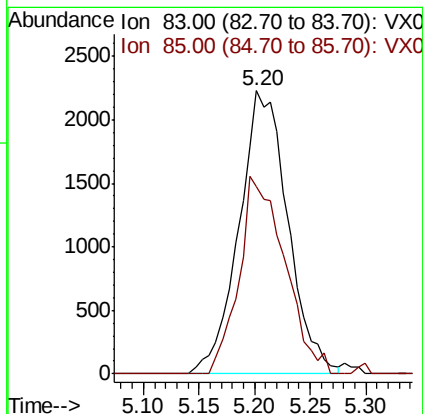
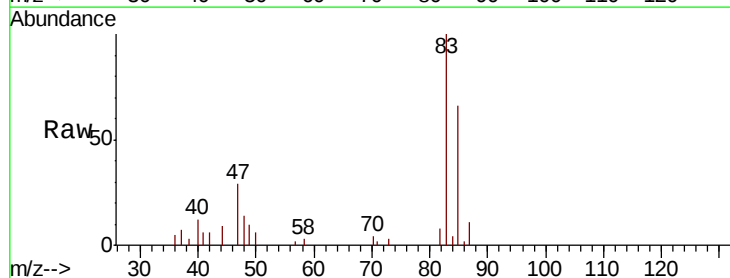
Tgt Ion: 59 Resp: 153
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

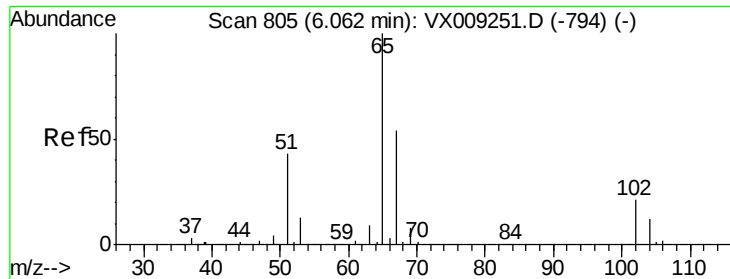


#25

Chloroform
 Concen: 2.068 ug/l
 RT: 5.20 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: VX009473.D
 Acq: 10 May 2019 11:18

Tgt Ion: 83 Resp: 6798
 Ion Ratio Lower Upper
 83 100
 85 66.2 51.9 77.9

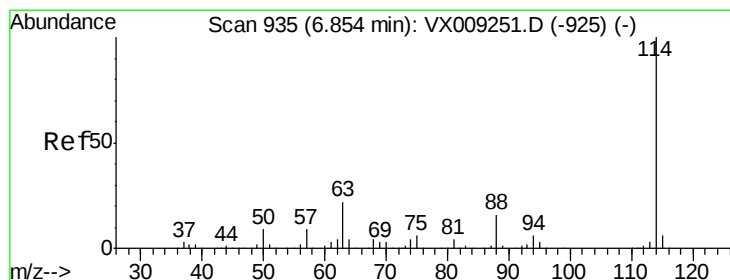
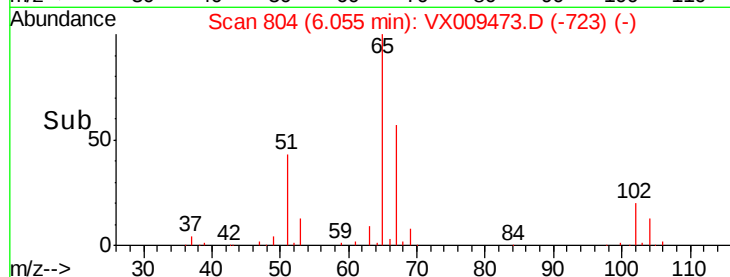
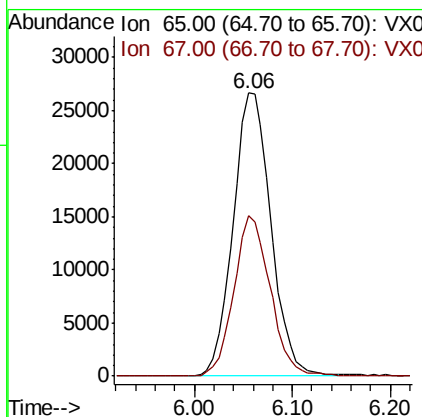
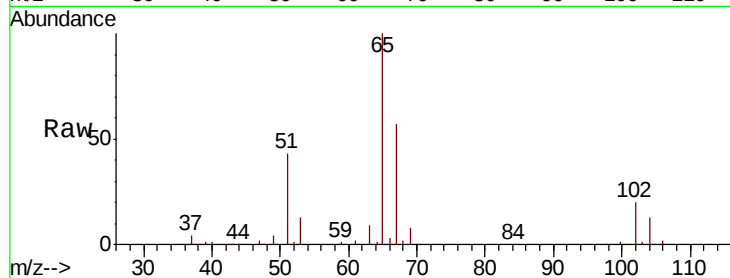




#27
 1,2-Dichloroethane-d4
 Concen: 29.965 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009473.D
 Acq: 10 May 2019 11:18

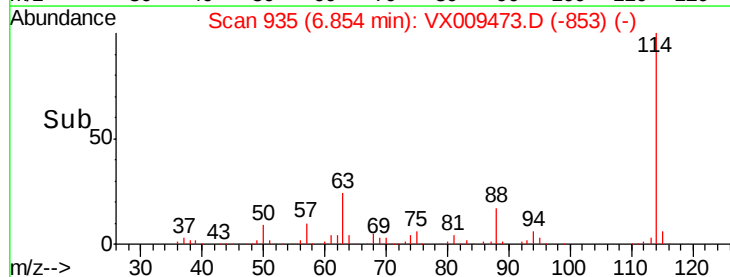
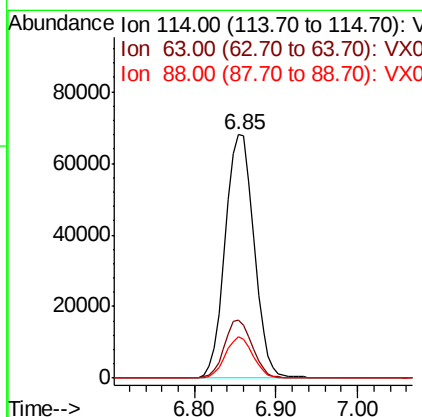
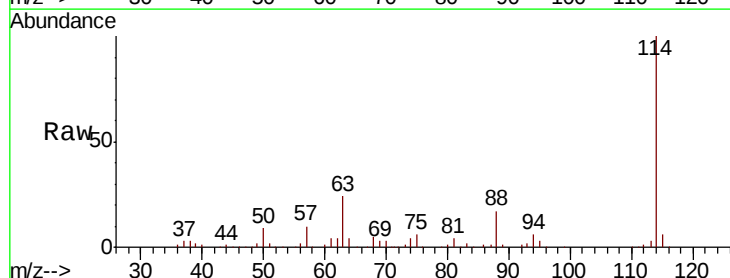
Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

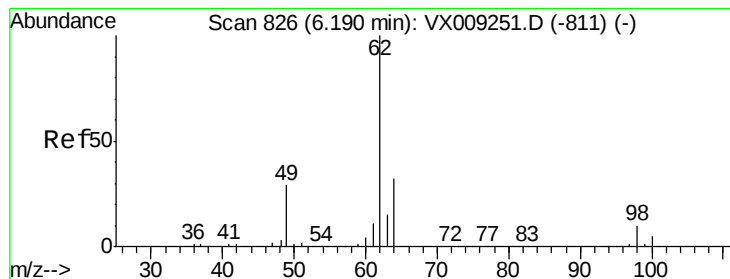
Tgt Ion: 65 Resp: 71537
 Ion Ratio Lower Upper
 65 100
 67 54.0 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX009473.D
 Acq: 10 May 2019 11:18

Tgt Ion: 114 Resp: 166003
 Ion Ratio Lower Upper
 114 100
 63 23.1 18.0 27.0
 88 16.2 13.4 20.0





#36

1,2-Dichloroethane

Concen: 0.222 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009473.D

Acq: 10 May 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

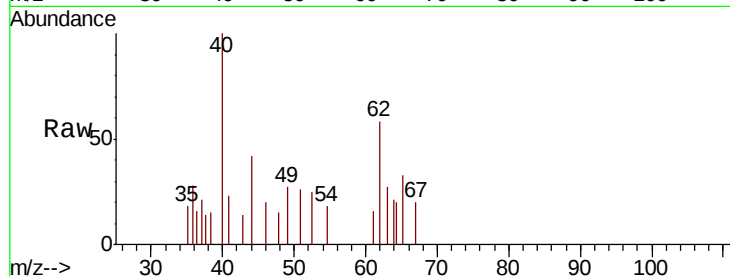
SPDES-1

Tgt Ion: 62 Resp: 606

Ion Ratio Lower Upper

62 100

98 10.7 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

250

200

150

100

50

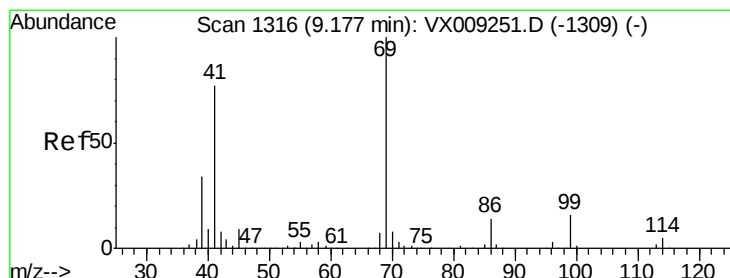
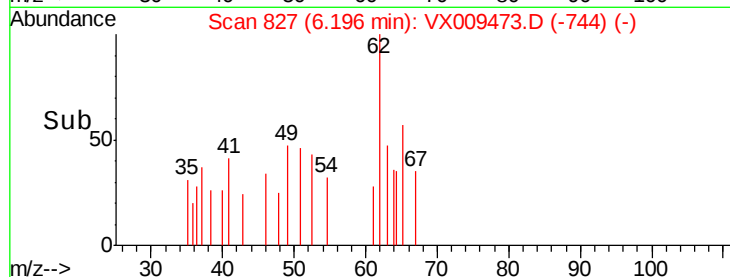
0

6.15

6.20

6.25

Time-->



#51

Ethyl methacrylate

Concen: 0.210 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.46 min

Lab File: VX009473.D

Acq: 10 May 2019 11:18

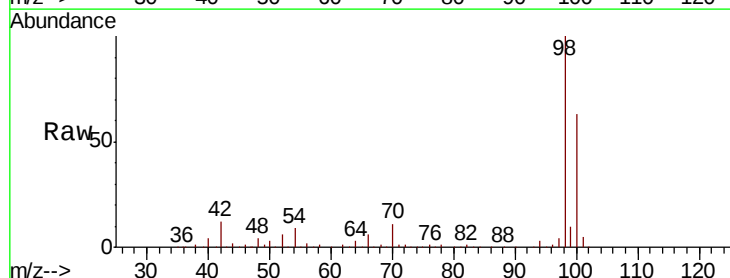
Tgt Ion: 69 Resp: 721

Ion Ratio Lower Upper

69 100

41 63.8 38.4 115.2

39 40.7 17.2 51.5



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

600

500

400

300

200

100

0

8.68

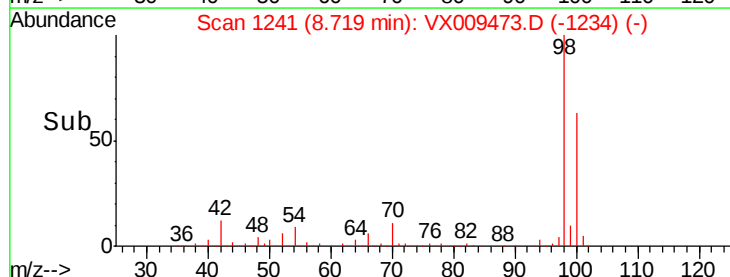
8.70

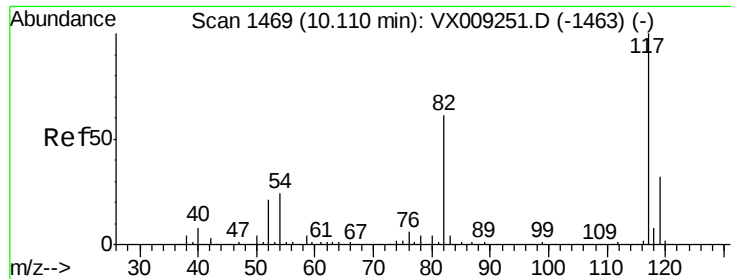
8.72

8.74

8.76

Time-->

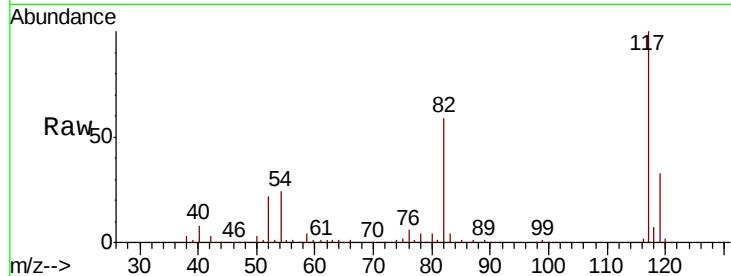




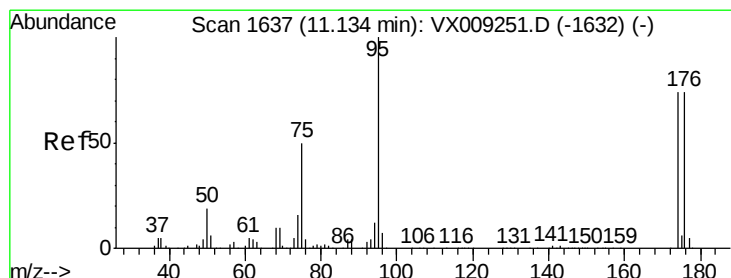
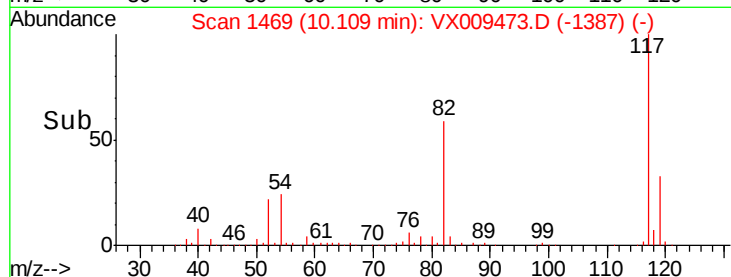
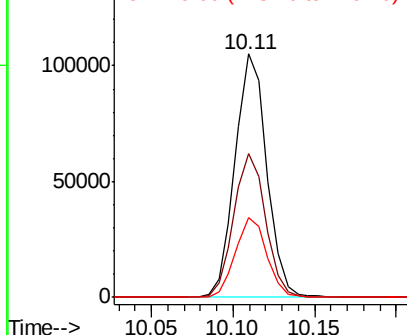
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009473.D
Acq: 10 May 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

Tgt Ion: 117 Resp: 142910
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 32.6 25.6 38.4

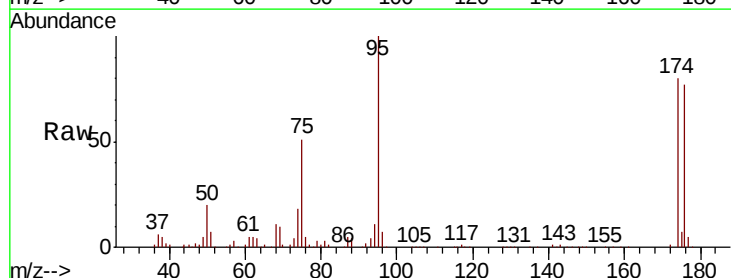


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

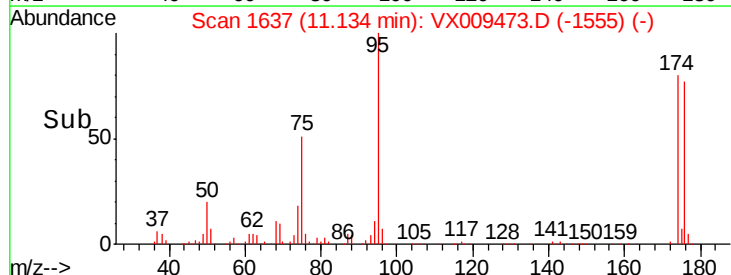
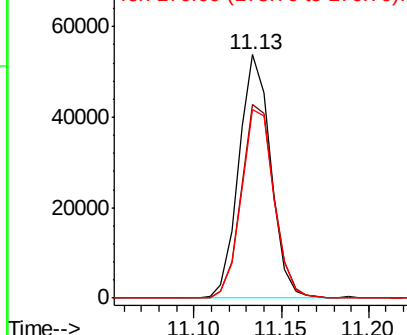


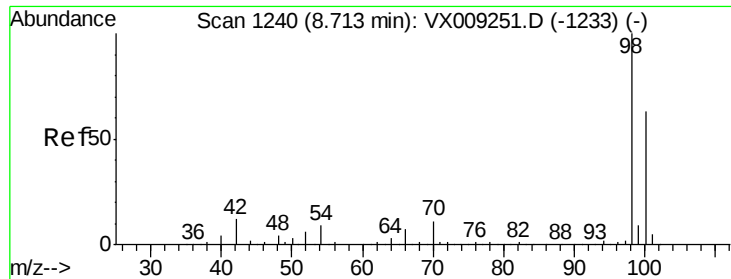
#60
4-Bromofluorobenzene
Concen: 28.085 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009473.D
Acq: 10 May 2019 11:18

Tgt Ion: 95 Resp: 68201
Ion Ratio Lower Upper
95 100
174 81.8 63.6 95.4
176 79.6 62.4 93.6



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: 30.163 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009473.D

Acq: 10 May 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

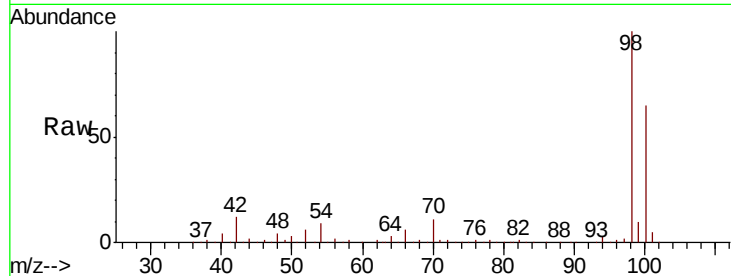
SPDES-1

Tgt Ion: 98 Resp: 204371

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

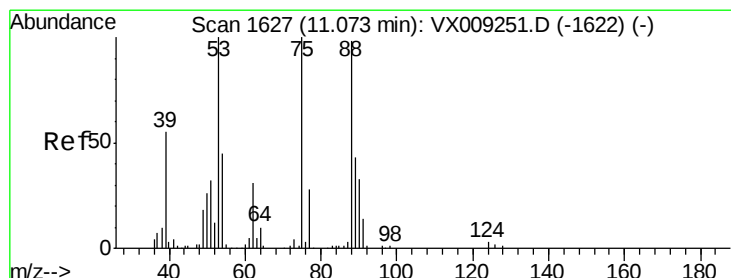
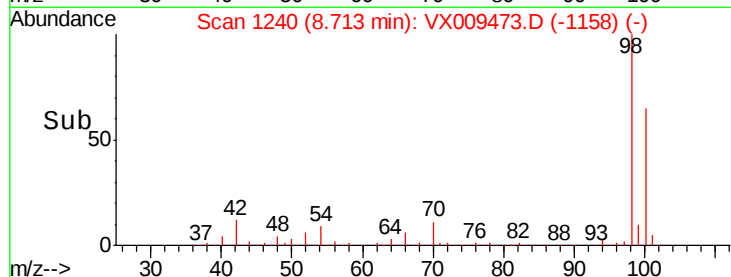
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 32.827 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009473.D

Acq: 10 May 2019 11:18

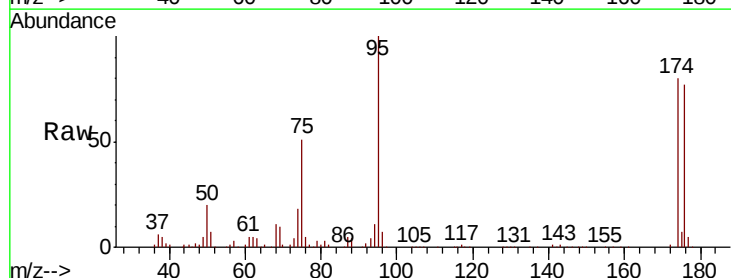
Tgt Ion: 75 Resp: 34325

Ion Ratio Lower Upper

75 100

53 0.0 50.0 149.8#

89 0.0 21.6 65.0#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

30000

20000

10000

0

11.10 11.15 11.20

Time-->

