

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005963.D
 Acq On : 13 Nov 2018 21:40
 Operator : JC/MD
 Sample : J5934-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0142

Quant Time: Nov 14 03:30:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	95520	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	132801	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	123032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	60550	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	62611	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
35) Dibromofluoromethane	5.51	113	48470	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	8.71	98	161703	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
62) 4-Bromofluorobenzene	11.14	95	55770	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

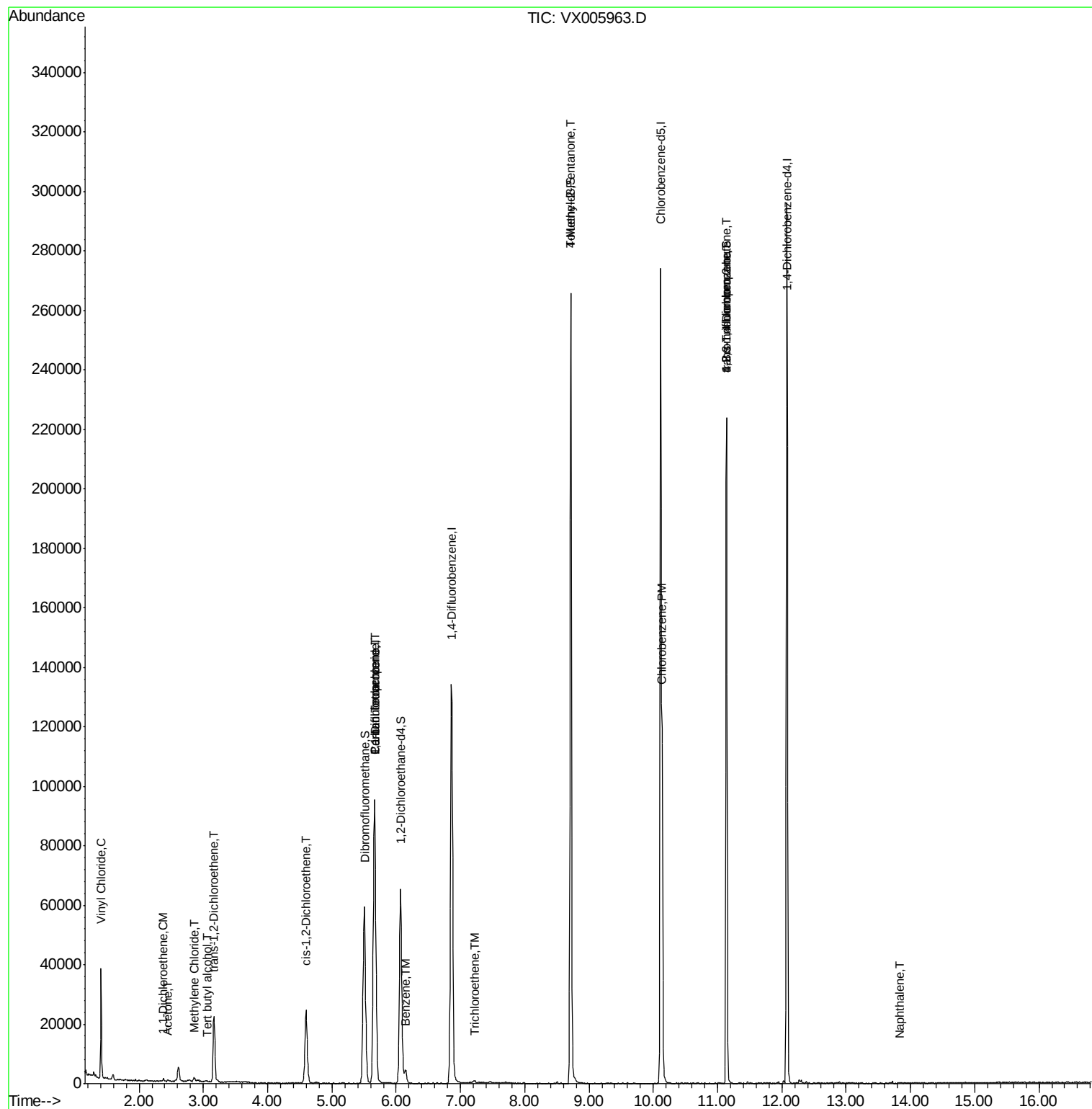
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	24914	21.957	ug/l	100
11) Tert butyl alcohol	3.06	59	115	0.366	ug/l #	72
12) 1,1-Dichloroethene	2.38	96	297	0.352	ug/l	87
16) Acetone	2.44	43	664	1.123	ug/l	95
18) Methyl Acetate	2.77	43	861	Below Cal	#	80
20) Methylene Chloride	2.85	84	334	0.344	ug/l #	65
21) trans-1,2-Dichloroethene	3.17	96	8582	9.637	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	14668	14.917	ug/l	88
36) 1,1-Dichloropropene	5.67	75	6403	5.001	ug/l #	49
38) Carbon Tetrachloride	5.66	117	8976	7.003	ug/l #	16
40) Benzene	6.15	78	4781	1.281	ug/l	95
44) Trichloroethene	7.21	130	285	0.301	ug/l	99
51) 4-Methyl-2-Pentanone	8.71	43	803	0.522	ug/l #	1
65) Chlorobenzene	10.14	112	47652	19.334	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	28337	22.983	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	28337	73.252	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	37	Below Cal	#	31
95) Naphthalene	13.83	128	105	1.201	ug/l #	69

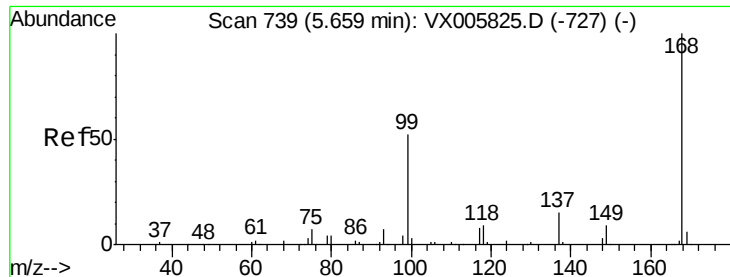
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005963.D

Acq: 13 Nov 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

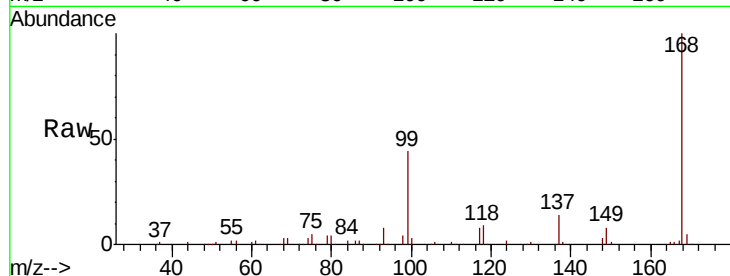
S36-0142

Tot Ion:168 Resp: 95520

Ion Ratio Lower Upper

168 100

99 44.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

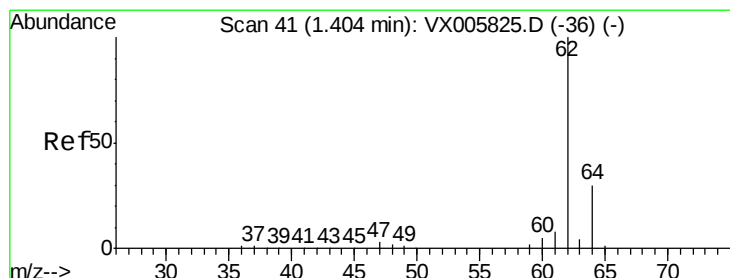
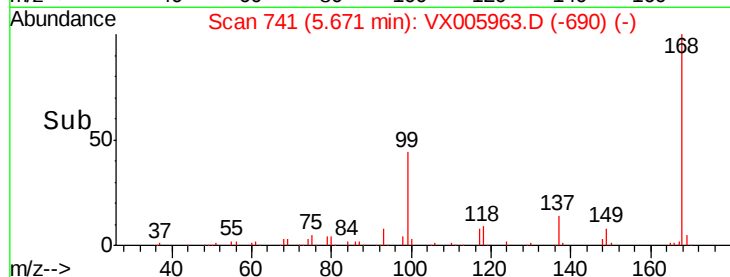
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 21.957 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005963.D

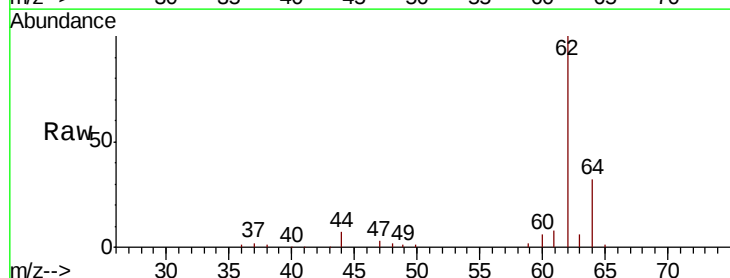
Acq: 13 Nov 2018 21:40

Tgt Ion: 62 Resp: 24914

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

25000

20000

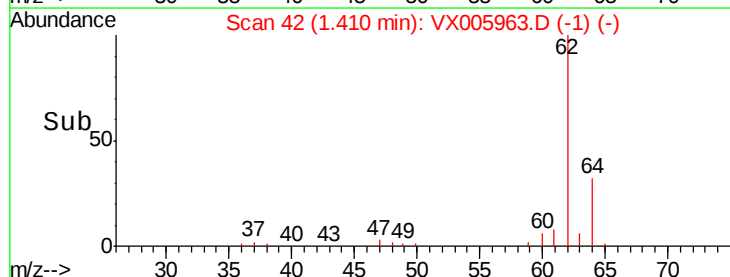
15000

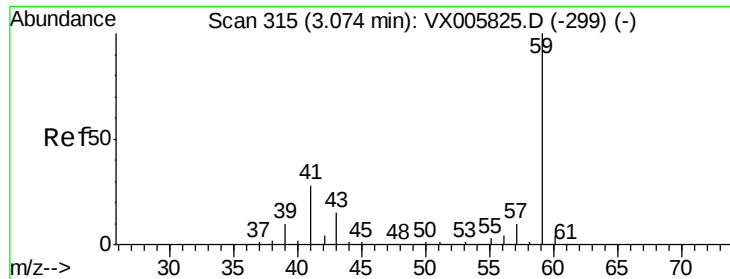
10000

5000

0

Time--> 1.35 1.40 1.45 1.50

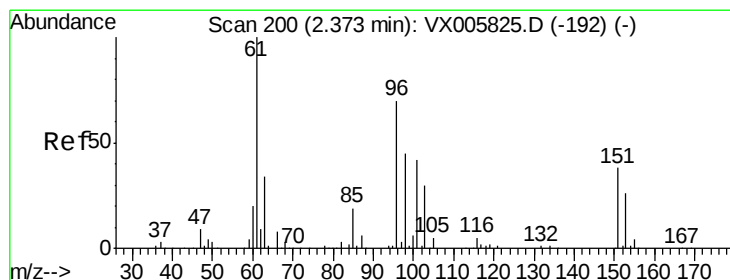
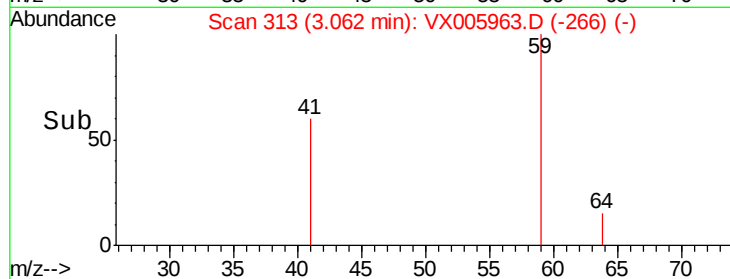
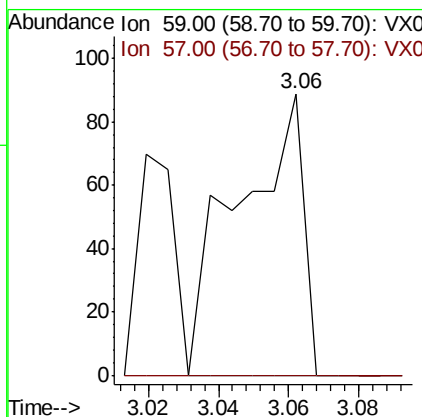
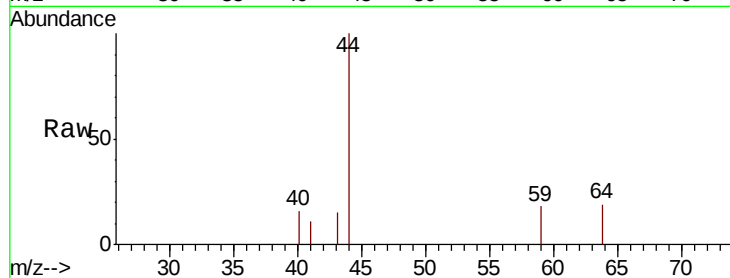




#11
Tert butyl alcohol
Concen: 0.366 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

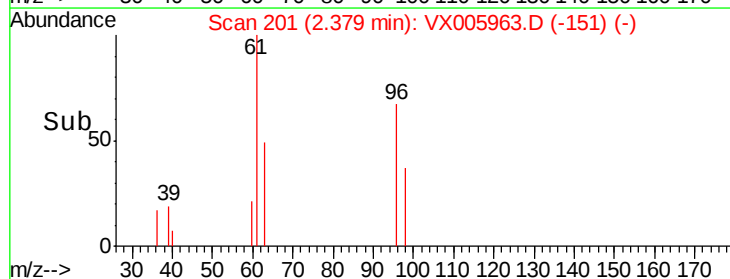
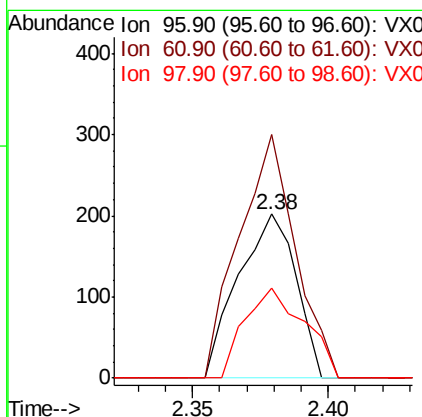
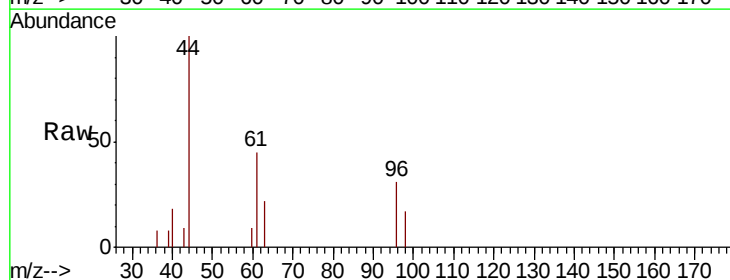
Instrument :
MSVOA_X
ClientSampled :
S36-0142

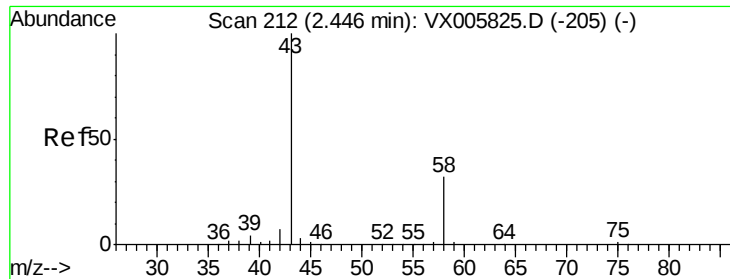
Tot Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.352 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

Tgt Ion: 96 Resp: 297
Ion Ratio Lower Upper
96 100
61 148.5 131.8 197.8
98 55.0 53.4 80.2





#16

Acetone

Concen: 1.123 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005963.D

Acq: 13 Nov 2018 21:40

Instrument :

MSVOA_X

ClientSampled :

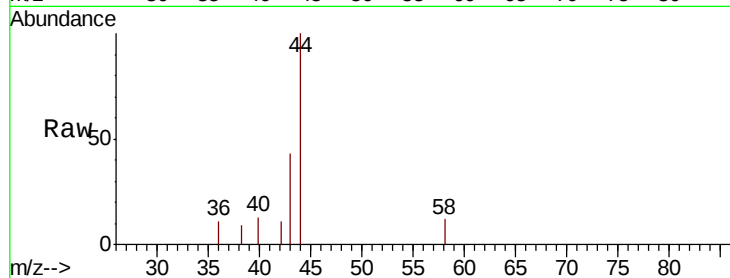
S36-0142

Tot Ion: 43 Resp: 664

Ion Ratio Lower Upper

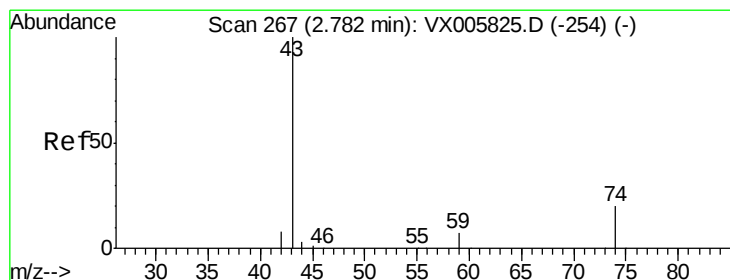
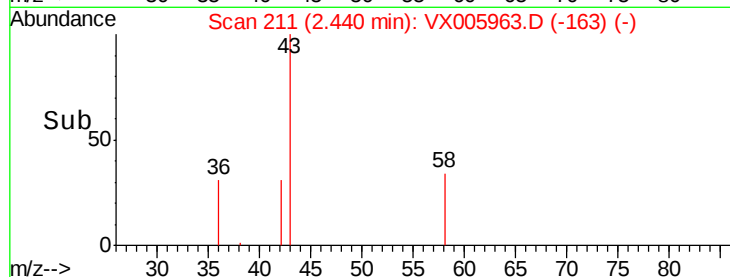
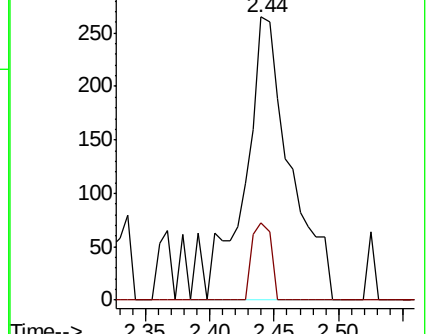
43 100

58 27.2 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX005963.D

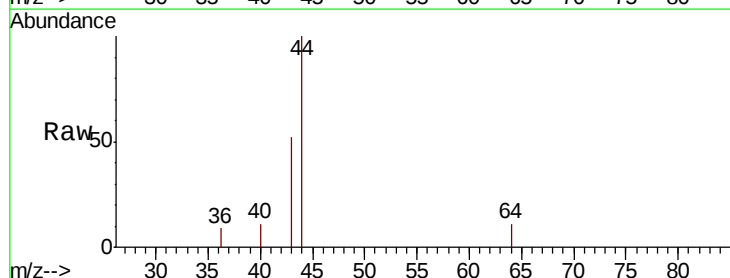
Acq: 13 Nov 2018 21:40

Tgt Ion: 43 Resp: 861

Ion Ratio Lower Upper

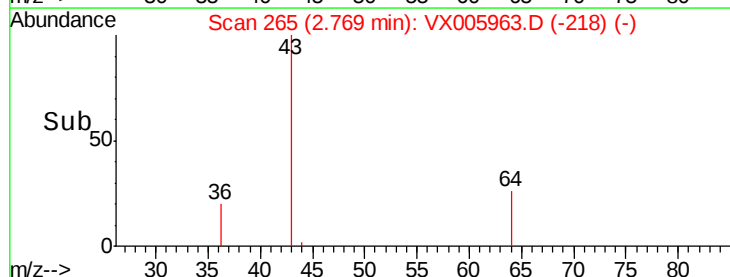
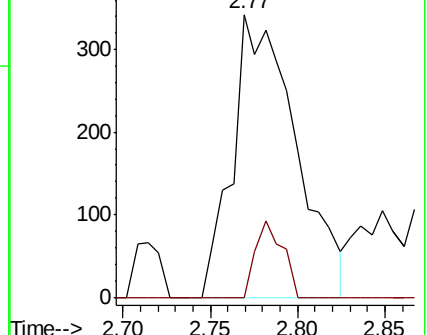
43 100

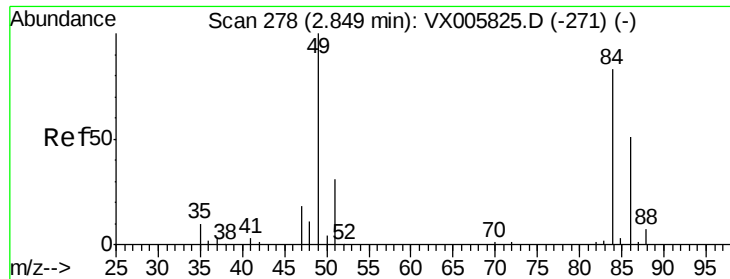
74 11.6 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

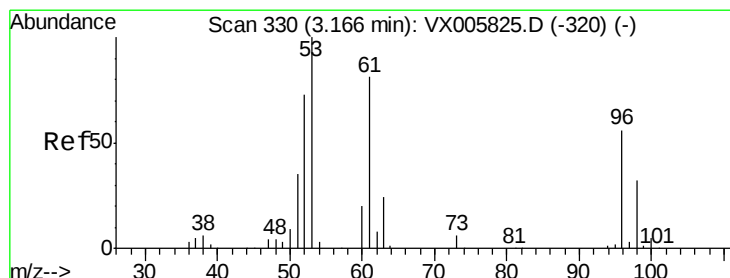
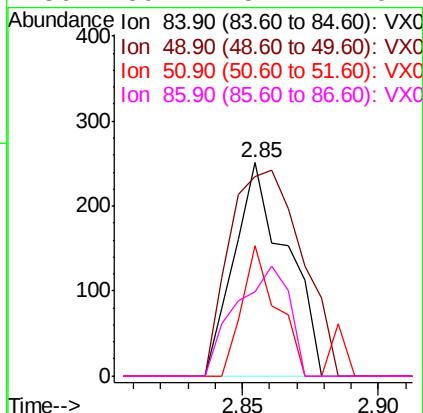
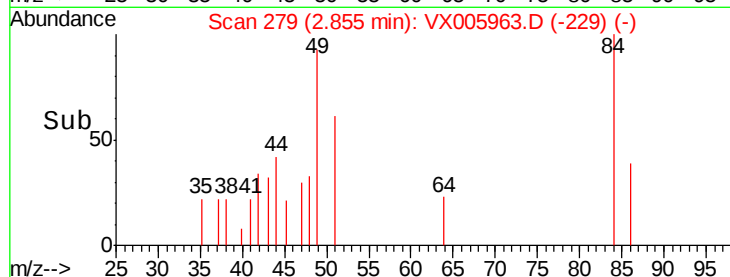
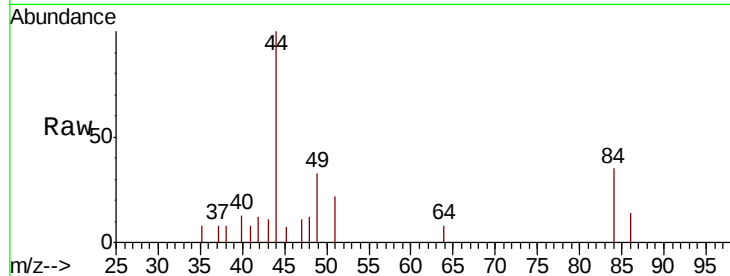




#20
Methvlene Chloride
Concen: 0.344 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

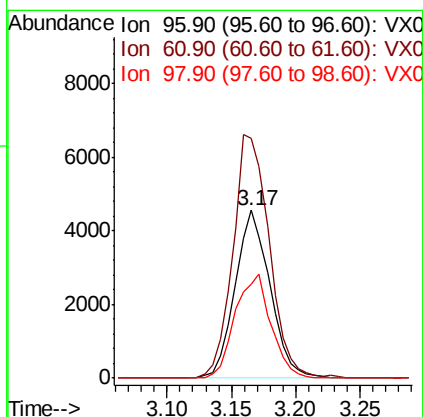
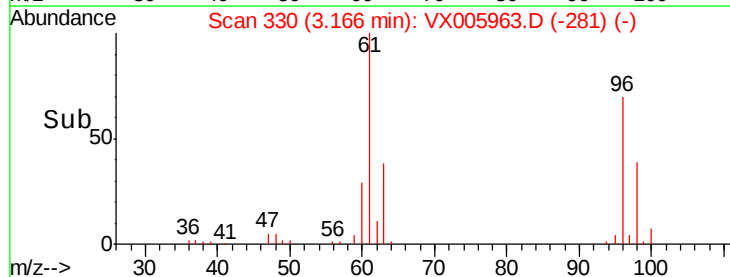
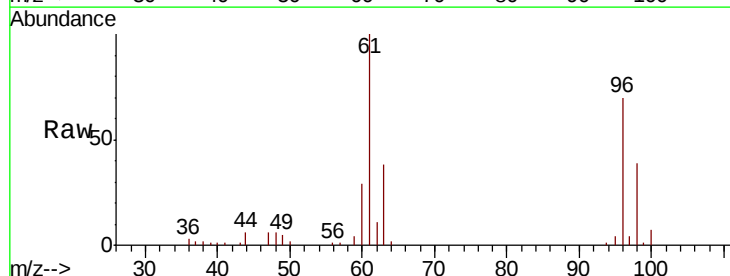
Instrument :
MSVOA_X
ClientSampleId :
S36-0142

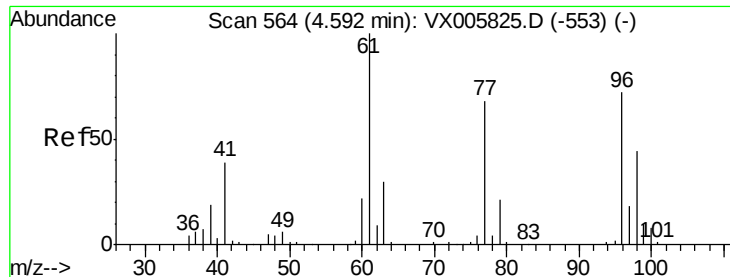
Tot Ion: 84 Resp: 334
Ion Ratio Lower Upper
84 100
49 93.2 109.5 164.3#
51 61.0 33.3 49.9#
86 39.4 52.7 79.1#



#21
trans-1,2-Dichloroethene
Concen: 9.637 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

Tgt Ion: 96 Resp: 8582
Ion Ratio Lower Upper
96 100
61 142.7 115.6 173.4
98 55.7 50.2 75.2



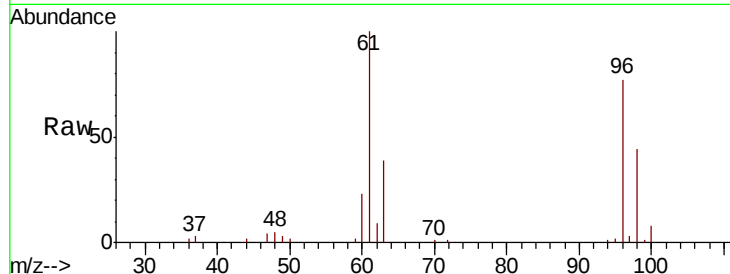


#27

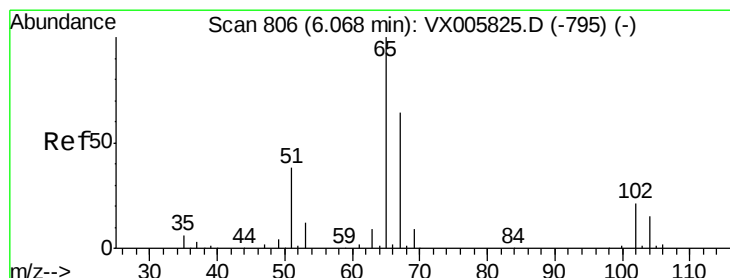
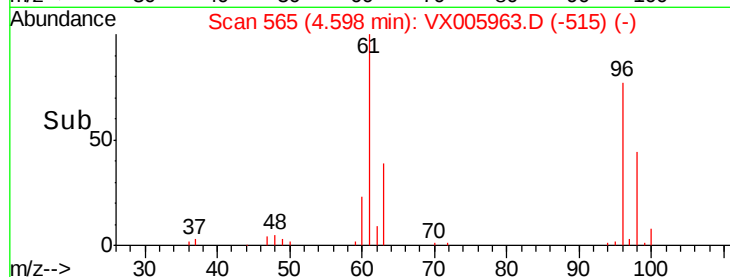
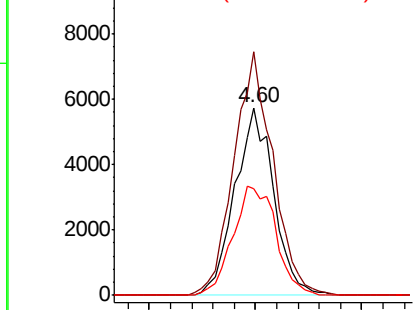
cis-1,2-Dichloroethene
 Concen: 14.917 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005963.D
 Acq: 13 Nov 2018 21:40

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0142

Tot Ion: 96 Resp: 14668
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 304.6
 98 64.4 0.0 127.4



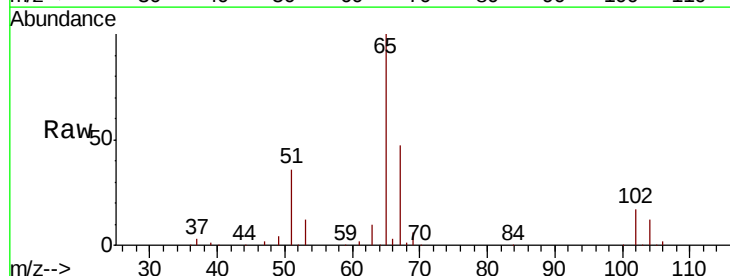
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



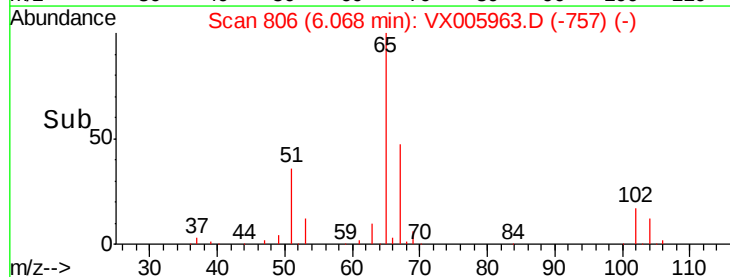
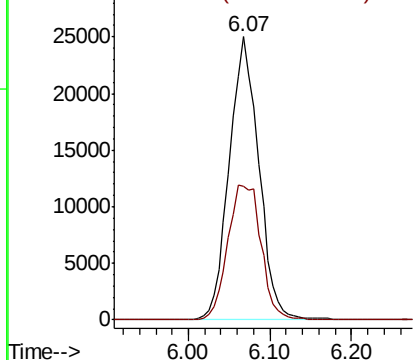
#33

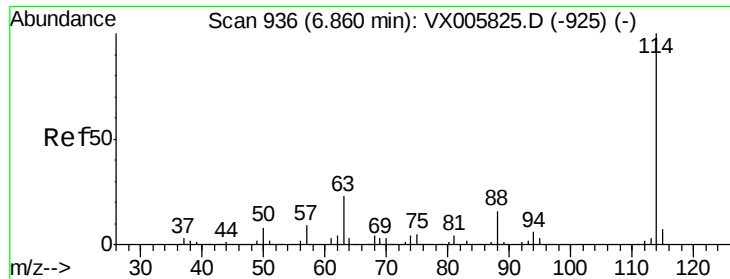
1,2-Dichloroethane-d4
 Concen: 57.016 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005963.D
 Acq: 13 Nov 2018 21:40

Tgt Ion: 65 Resp: 62611
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

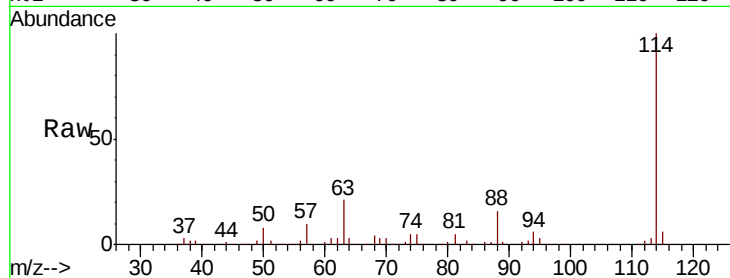




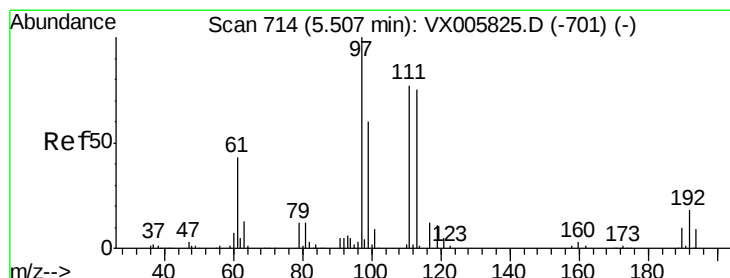
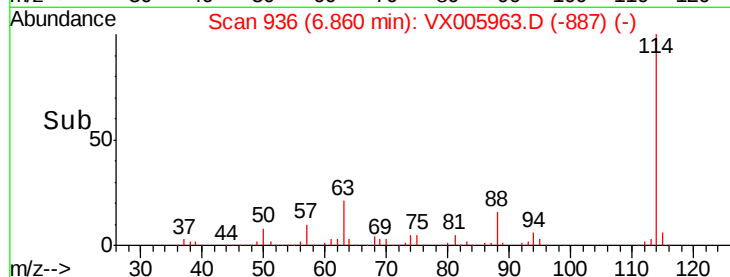
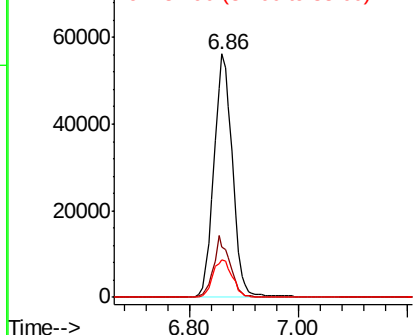
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
S36-0142

Tot Ion:114 Resp: 132801
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.8
88 15.5 0.0 31.2

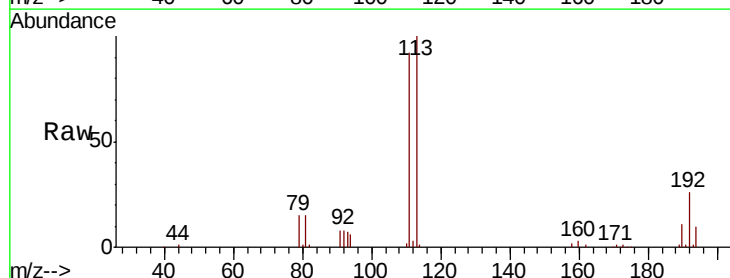


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

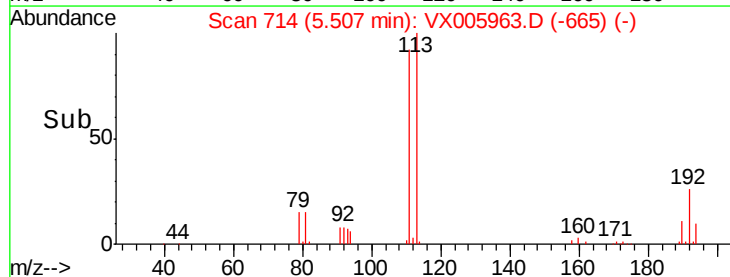
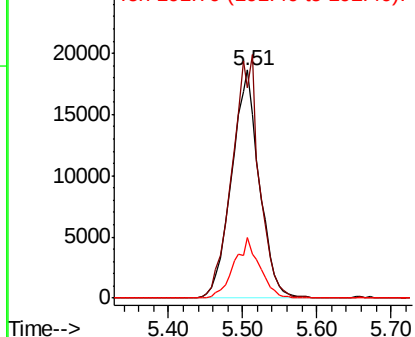


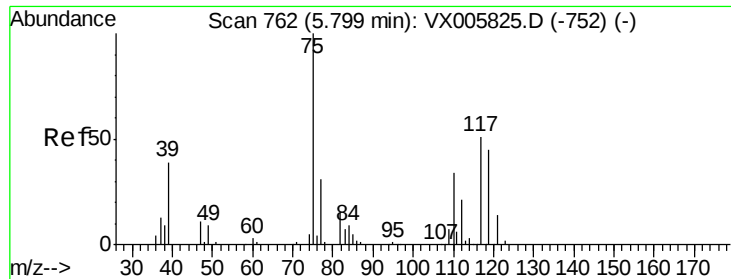
#35
Dibromofluoromethane
Concen: 53.662 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

Tgt Ion:113 Resp: 48470
Ion Ratio Lower Upper
113 100
111 104.9 82.3 123.5
192 24.3 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

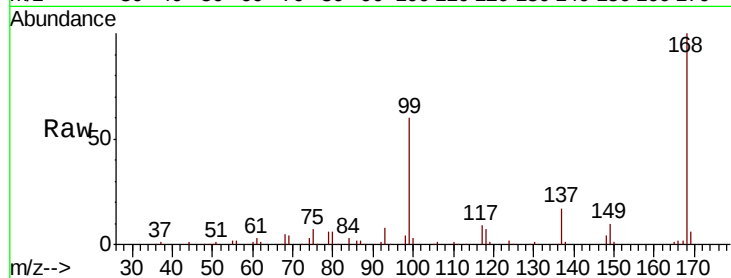




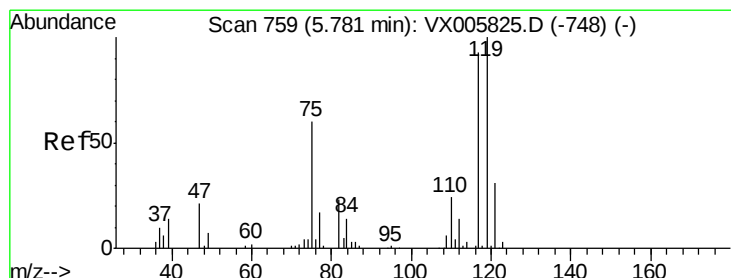
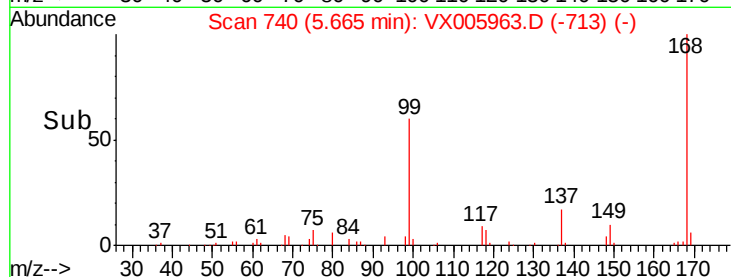
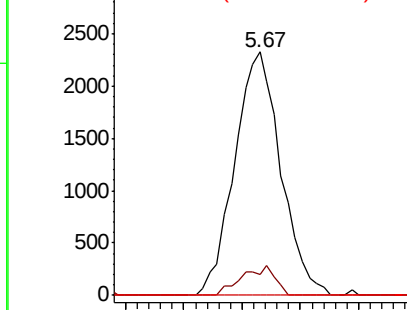
#36
 1,1-Dichloropropene
 Concen: 5.001 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005963.D
 Acq: 13 Nov 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0142

Tot Ion: 75 Resp: 6403
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.2#
 77 0.0 25.8 38.6#

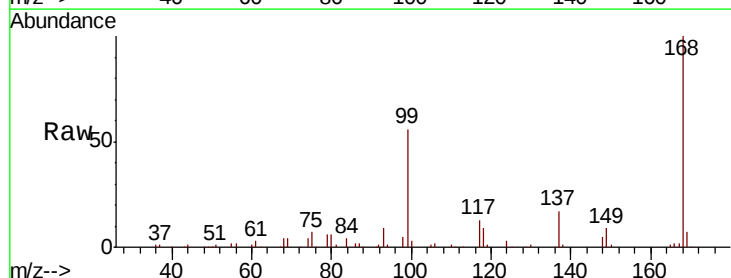


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

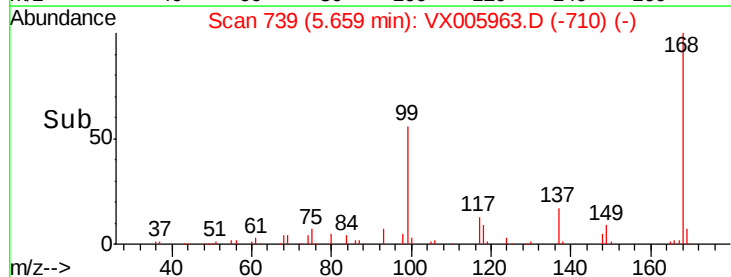
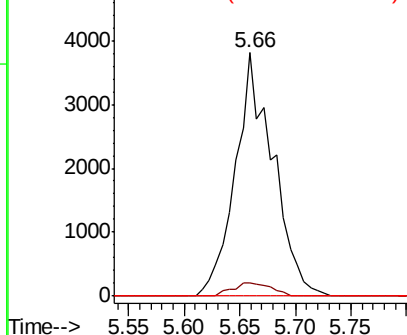


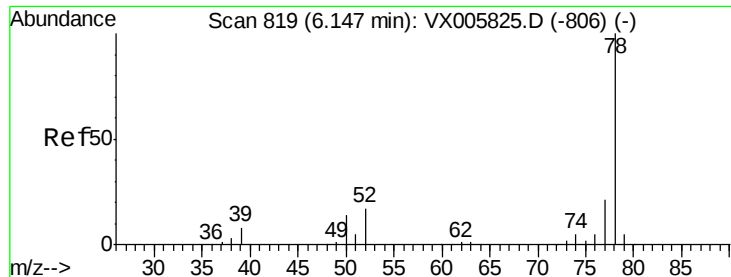
#38
 Carbon Tetrachloride
 Concen: 7.003 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005963.D
 Acq: 13 Nov 2018 21:40

Tgt Ion: 117 Resp: 8976
 Ion Ratio Lower Upper
 117 100
 119 5.5 78.1 117.1#
 121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.281 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX005963.D

Acq: 13 Nov 2018 21:40

Instrument :

MSVOA_X

ClientSampled :

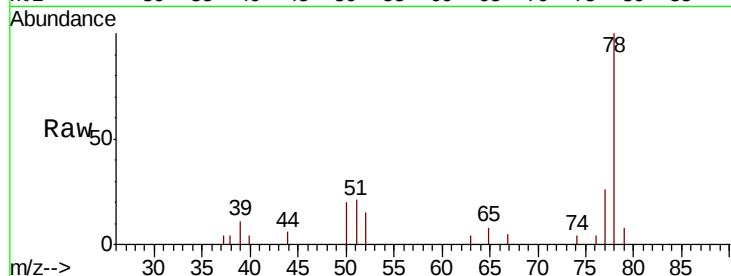
S36-0142

Tot Ion: 78 Resp: 4781

Ion Ratio Lower Upper

78 100

77 25.6 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX005825.D (-806) (-)

Ion 77.00 (76.70 to 77.70): VX005825.D (-806) (-)

6.15

1500

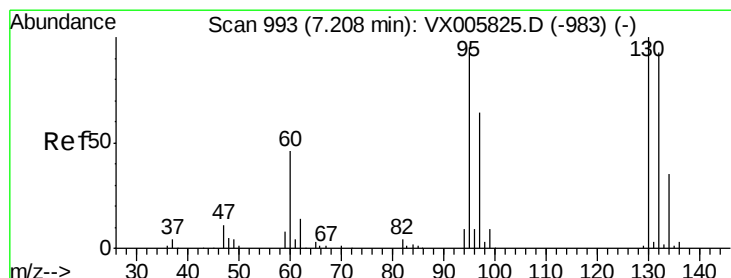
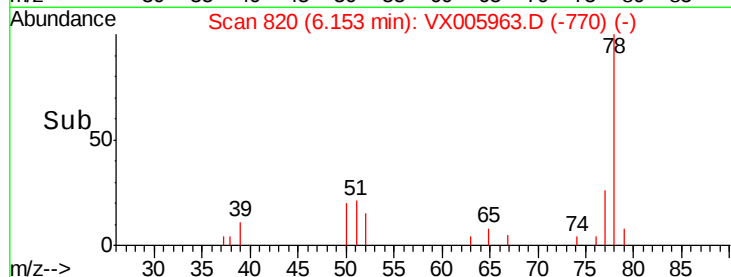
1000

500

0

6.05 6.10 6.15 6.20 6.25

Time-->



#44

Trichloroethene

Concen: 0.301 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005963.D

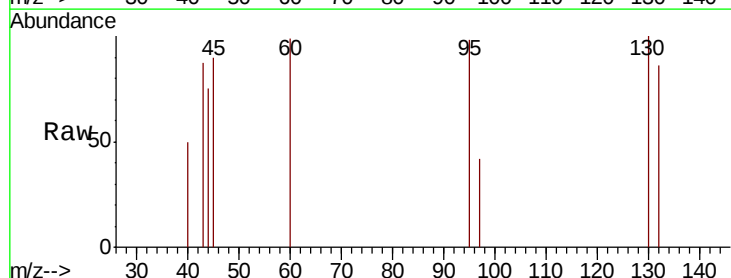
Acq: 13 Nov 2018 21:40

Tgt Ion: 130 Resp: 285

Ion Ratio Lower Upper

130 100

95 97.9 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): VX005825.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX005825.D (-983) (-)

7.21

150

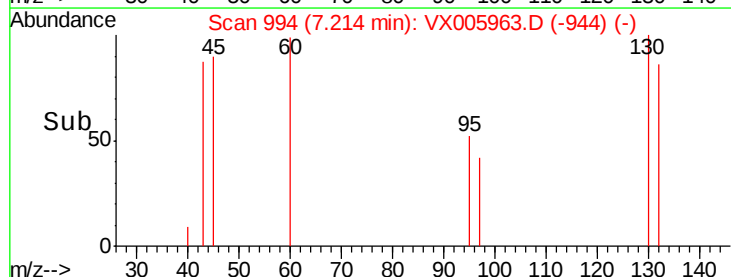
100

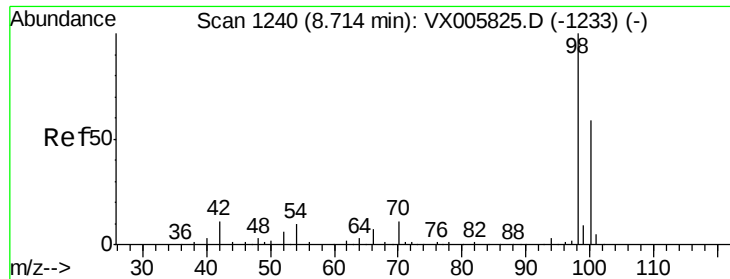
50

0

7.20 7.21 7.22 7.23 7.24 7.25

Time-->





#50

Toluene-d8

Concen: 53.849 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005963.D

Acq: 13 Nov 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

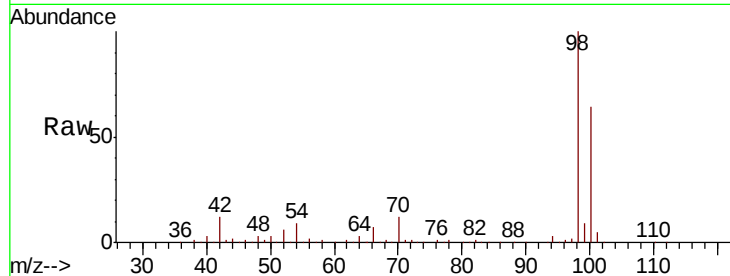
S36-0142

Tot Ion: 98 Resp: 161703

Ion Ratio Lower Upper

98 100

100 62.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

100000

80000

60000

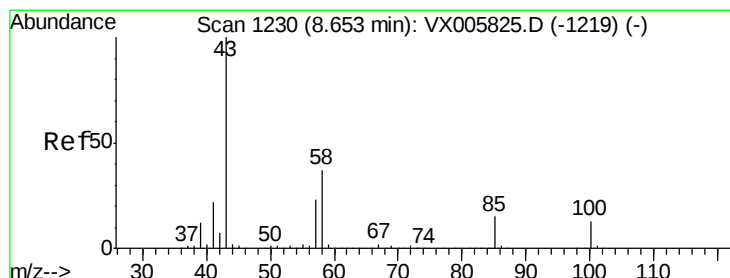
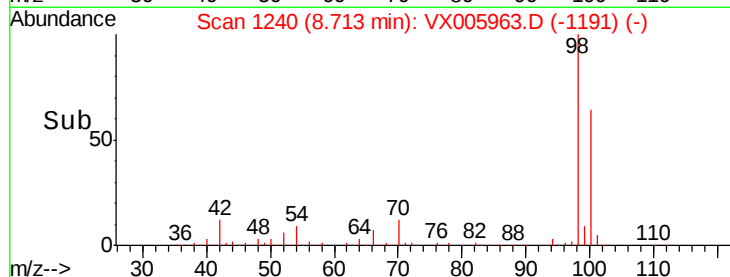
40000

20000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.522 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005963.D

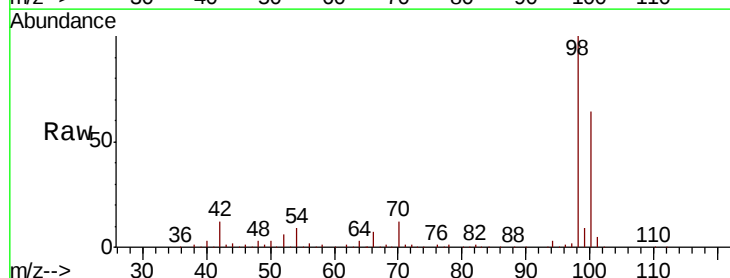
Acq: 13 Nov 2018 21:40

Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

58 168.5 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.71

800

600

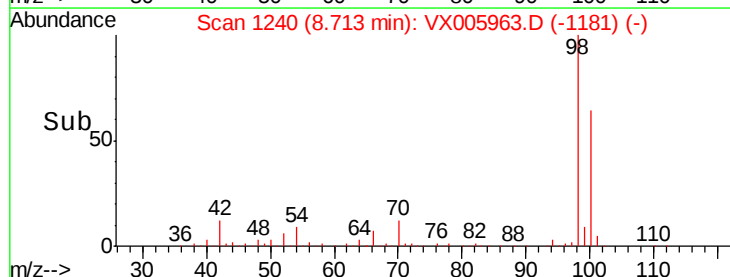
400

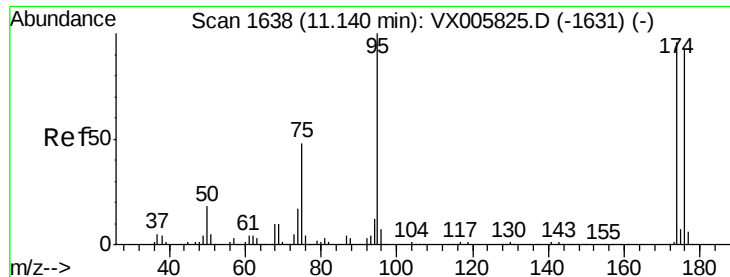
200

0

Time-->

8.65 8.70 8.75

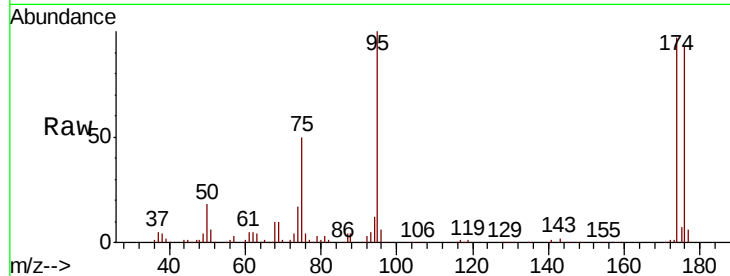




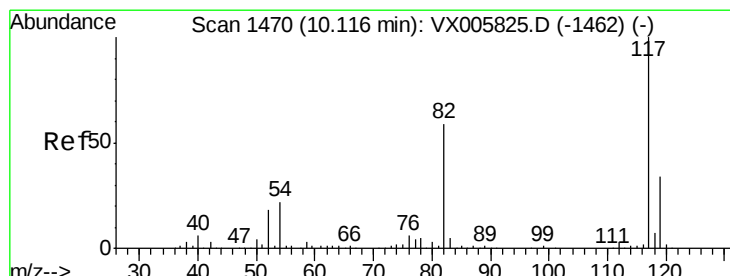
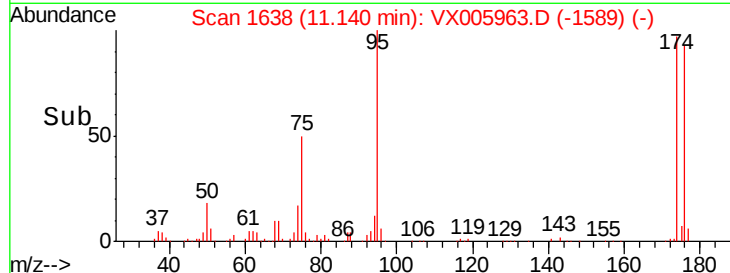
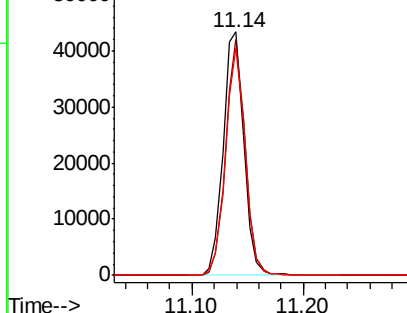
#62
4-Bromofluorobenzene
Concen: 51.655 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
S36-0142

Tot Ion: 95 Resp: 55770
Ion Ratio Lower Upper
95 100
174 91.1 0.0 184.4
176 88.9 0.0 177.4

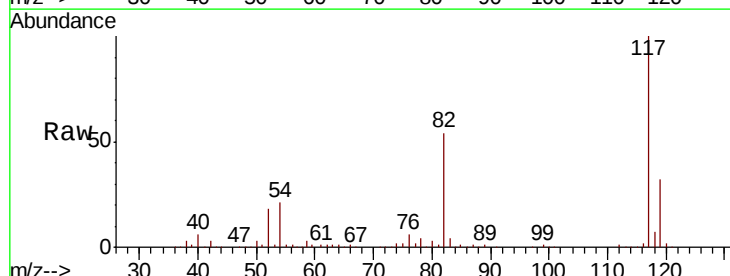


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

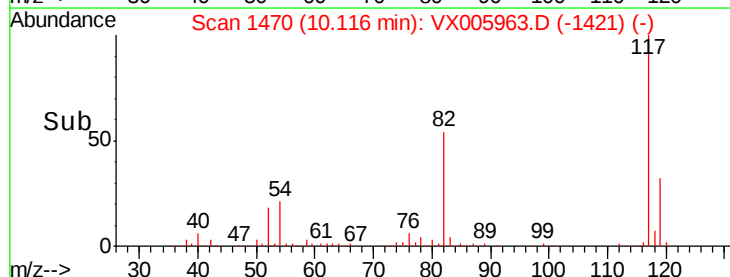
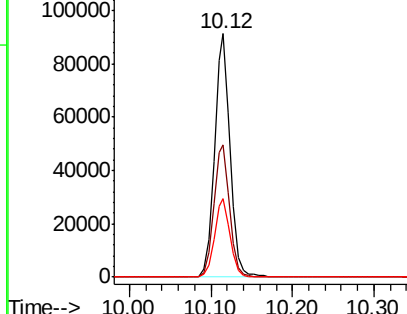


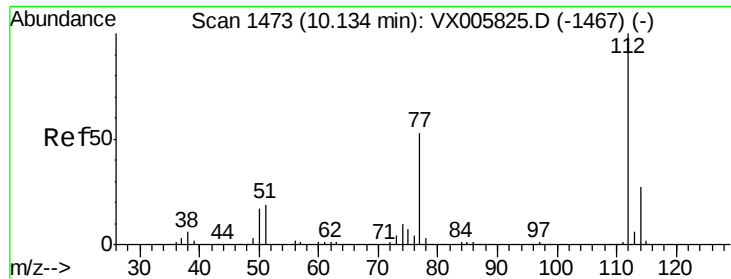
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

Tgt Ion: 117 Resp: 123032
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

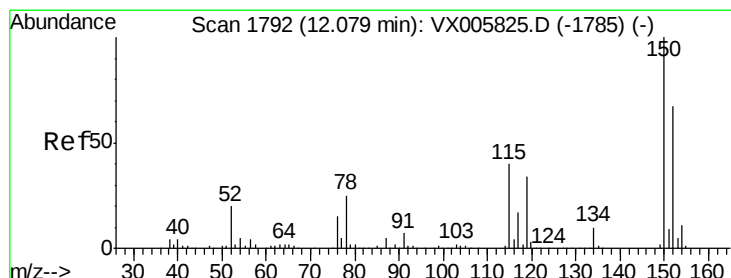
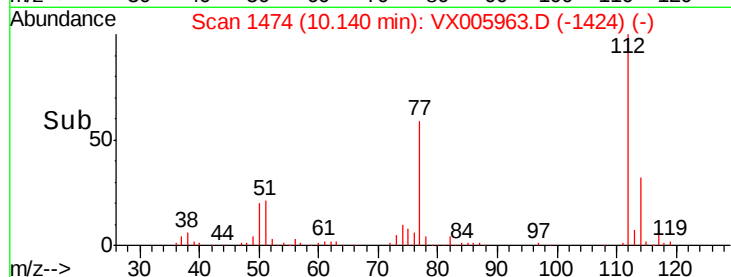
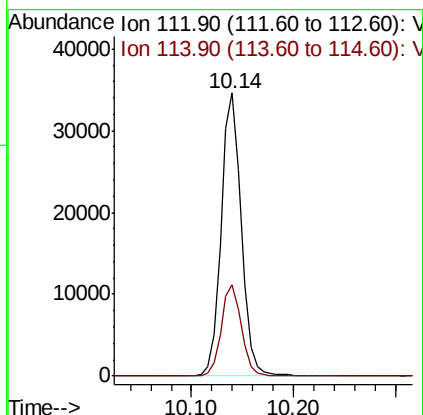
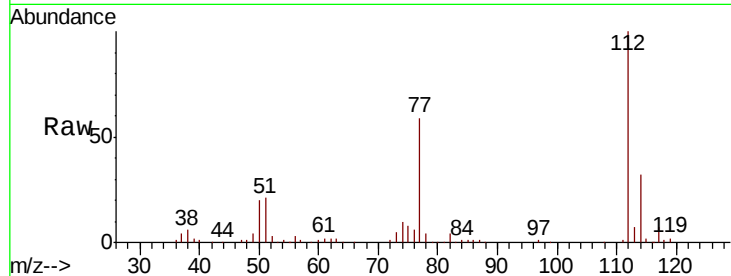




#65
Chlorobenzene
Concen: 19.334 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

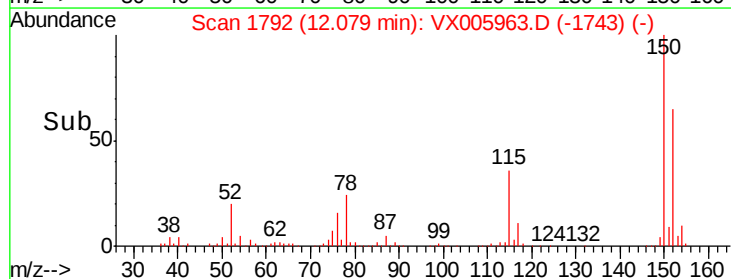
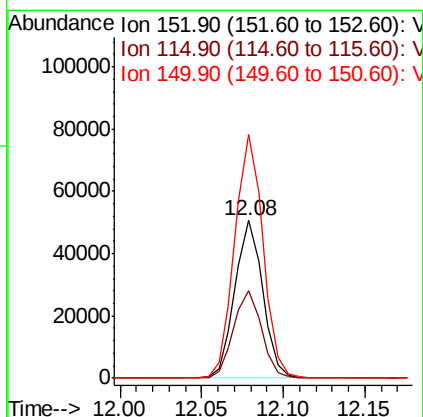
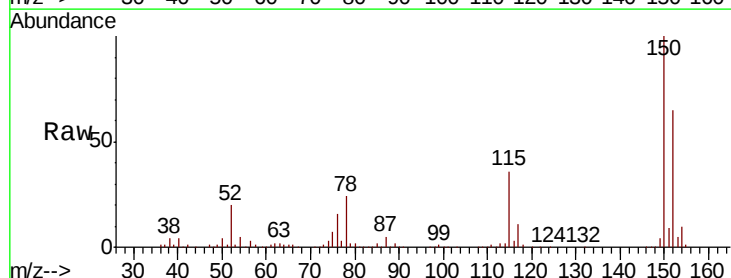
Instrument :
MSVOA_X
ClientSampleId :
S36-0142

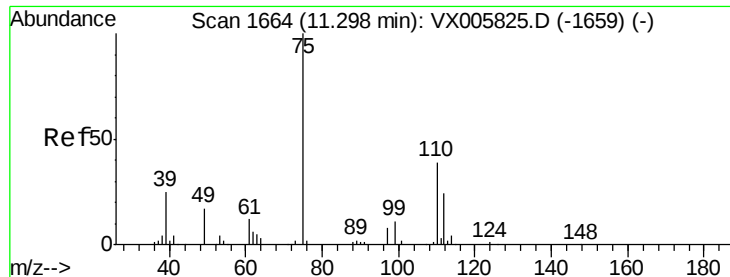
Tot Ion:112 Resp: 47652
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005963.D
Acq: 13 Nov 2018 21:40

Tgt Ion:152 Resp: 60550
Ion Ratio Lower Upper
152 100
115 55.6 39.4 118.1
150 156.6 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.983 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005963.D

Acq: 13 Nov 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

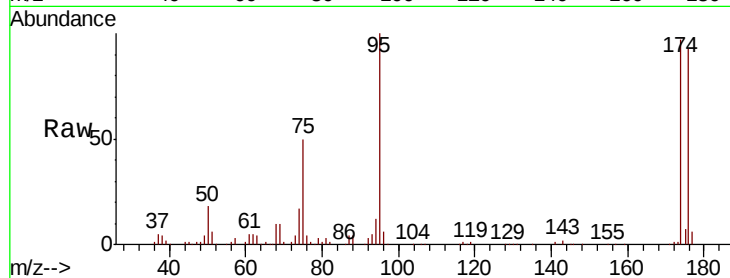
S36-0142

Tot Ion: 75 Resp: 28337

Ion Ratio Lower Upper

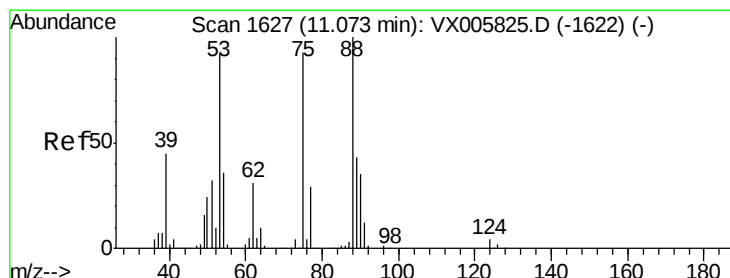
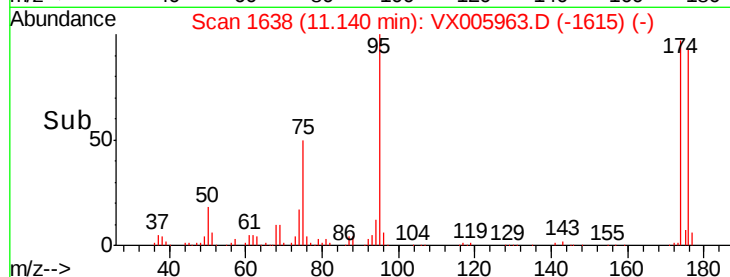
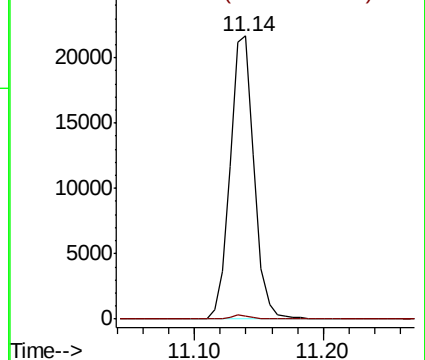
75 100

77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 73.252 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005963.D

Acq: 13 Nov 2018 21:40

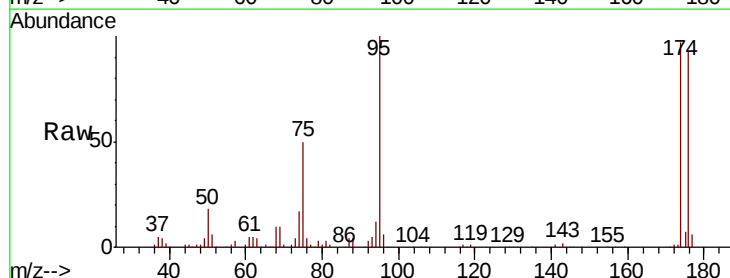
Tgt Ion: 75 Resp: 28337

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

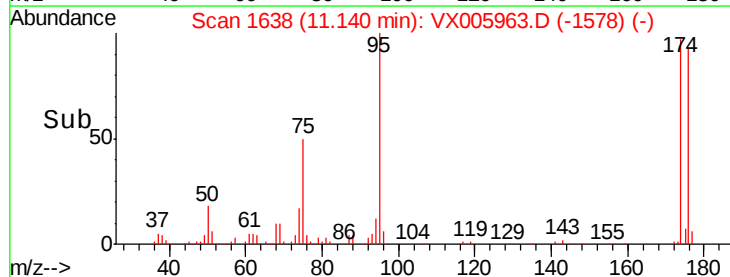
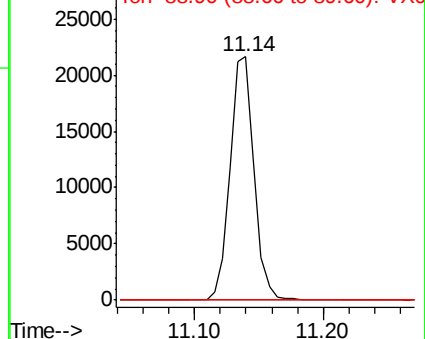
89 0.0 39.8 59.8#

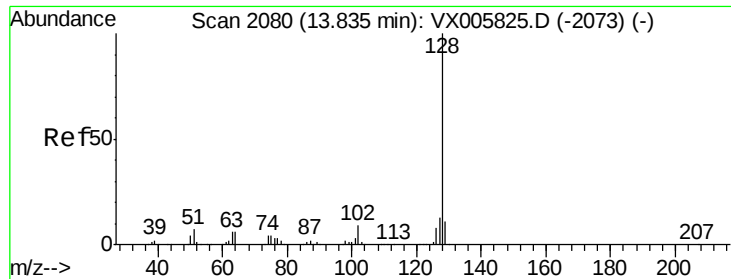


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 1.201 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005963.D

Acq: 13 Nov 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

S36-0142

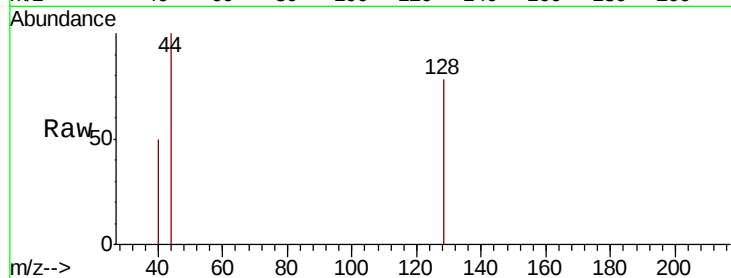
Tot Ion:128 Resp: 105

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

