

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005981.D
 Acq On : 14 Nov 2018 18:22
 Operator : JC/MD
 Sample : J5934-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144

Quant Time: Nov 15 00:25:00 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	124897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	200807	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	166307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82586	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	73734	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	5.51	113	61503	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
50) Toluene-d8	8.71	98	221085	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.14	95	76694	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

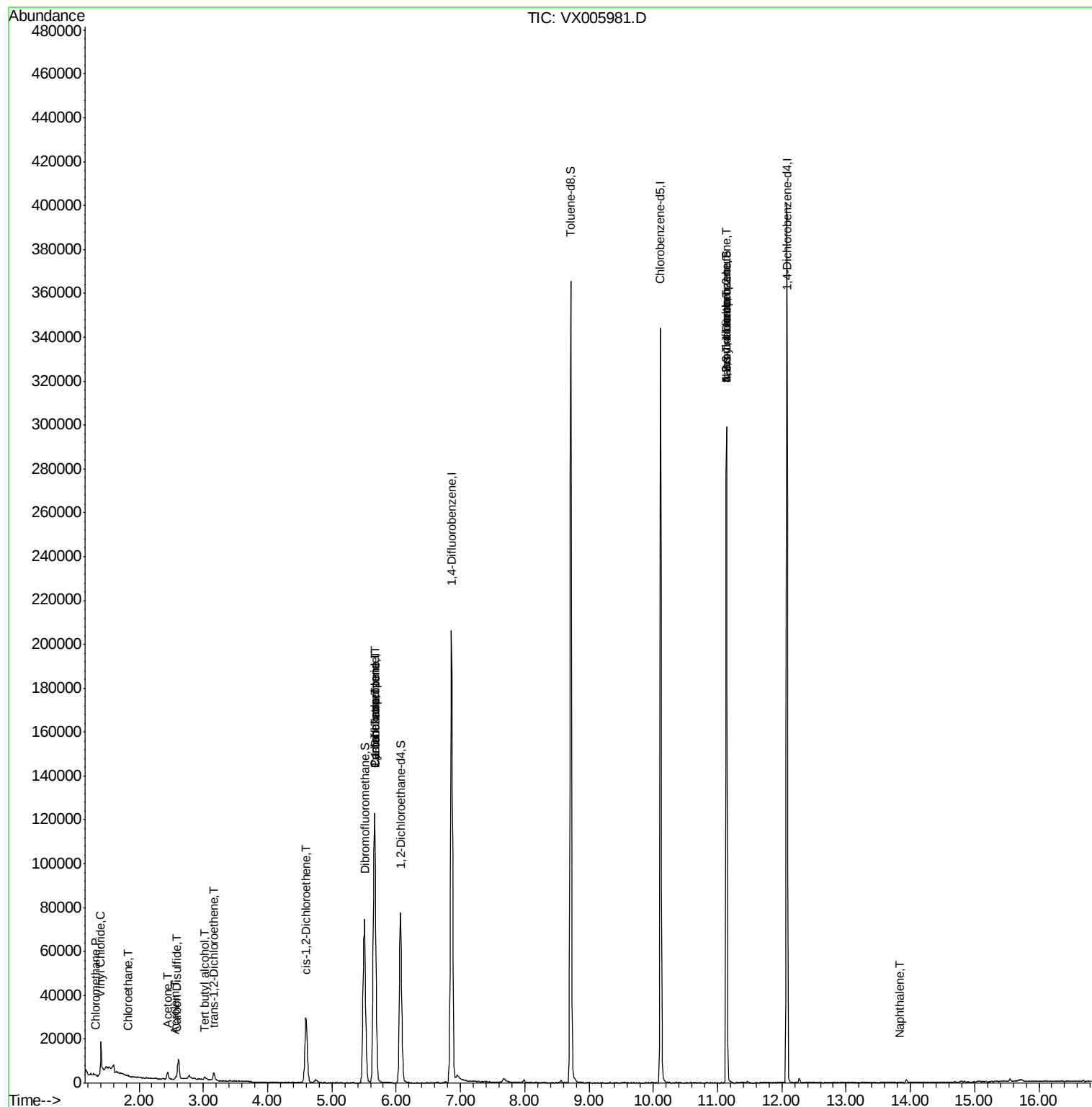
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	396	0.268	ug/l #	86
4) Vinyl Chloride	1.41	62	9265	6.245	ug/l #	76
6) Chloroethane	1.82	64	399	0.451	ug/l #	58
11) Tert butyl alcohol	3.01	59	1021	2.482	ug/l #	72
13) Acrolein	2.55	56	20	19.258	ug/l #	14
16) Acetone	2.45	43	3965	5.129	ug/l	95
17) Carbon Disulfide	2.57	76	1560	0.474	ug/l	100
18) Methyl Acetate	2.78	43	1970	Below Cal		92
21) trans-1,2-Dichloroethene	3.17	96	1375	1.181	ug/l #	84
27) cis-1,2-Dichloroethene	4.60	96	18494	14.384	ug/l	93
31) Cyclohexane	5.66	56	2311	1.155	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	8803	4.547	ug/l #	49
38) Carbon Tetrachloride	5.67	117	11507	5.938	ug/l #	15
74) N-amyl acetate	11.13	43	52	1.270	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	37831	22.497	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	37831	71.700	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	75	Below Cal	#	31
95) Naphthalene	13.83	128	152	1.202	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# 740

Delta R.T. 0.01 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

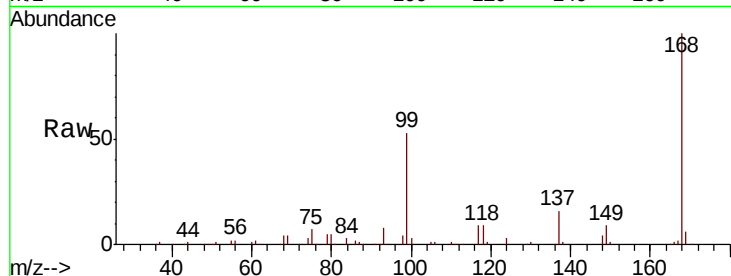
S36-0144

Tot Ion:168 Resp: 124897

Ion Ratio Lower Upper

168 100

99 52.6 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

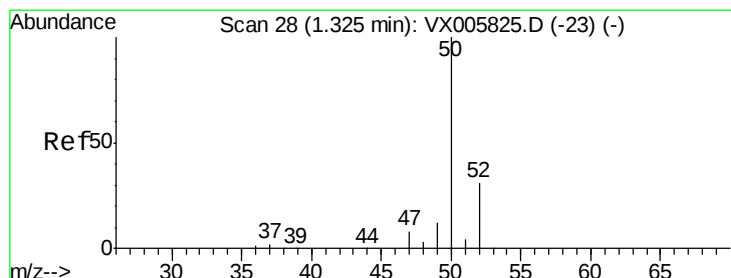
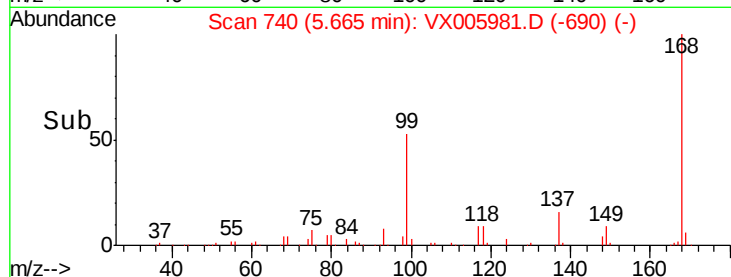
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005981.D

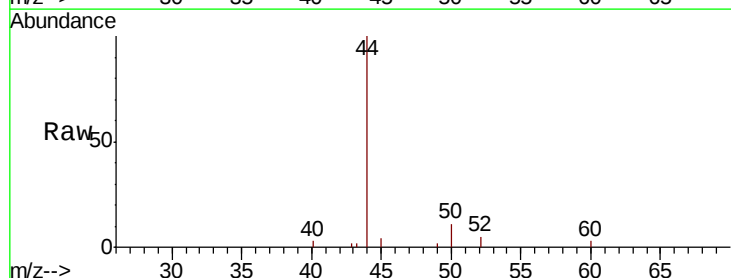
Acq: 14 Nov 2018 18:22

Tgt Ion: 50 Resp: 396

Ion Ratio Lower Upper

50 100

52 40.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

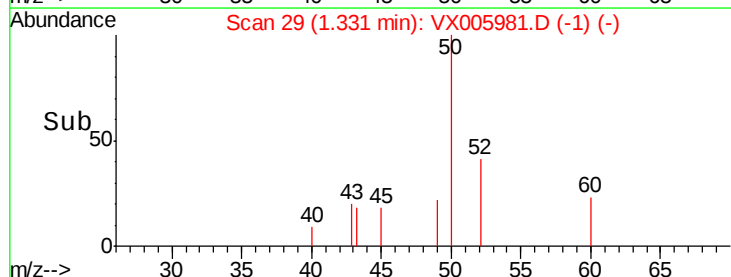
300

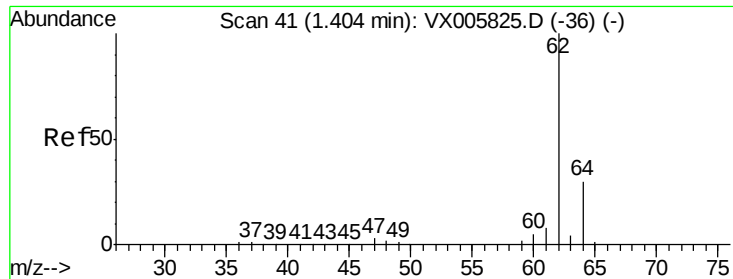
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 6.245 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampled :

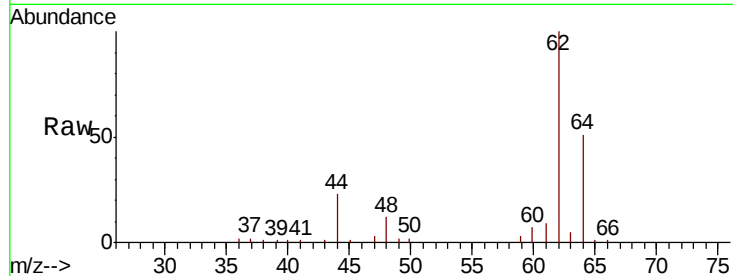
S36-0144

Tot Ion: 62 Resp: 9265

Ion Ratio Lower Upper

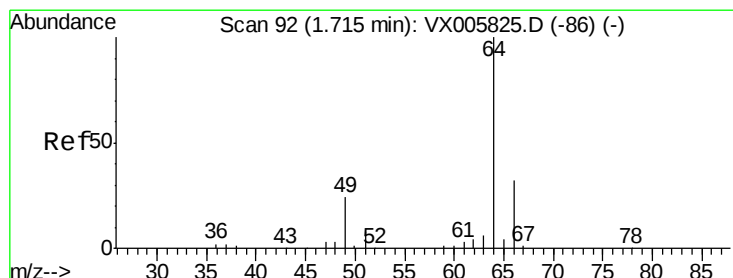
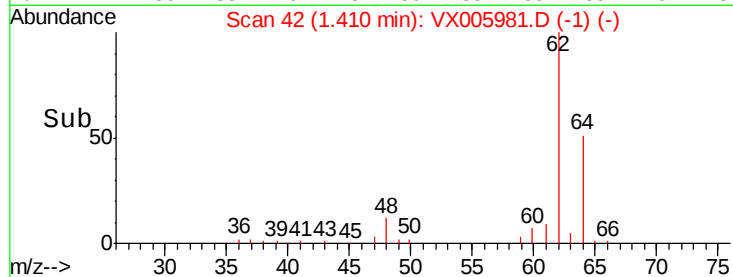
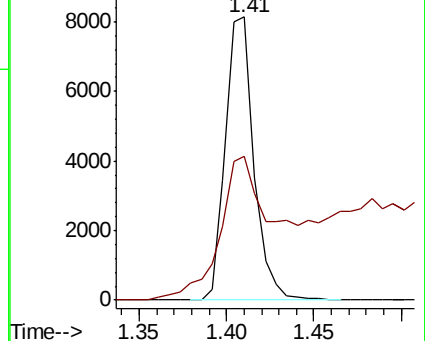
62 100

64 44.9 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.451 ug/l

RT: 1.82 min Scan# 110

Delta R.T. 0.11 min

Lab File: VX005981.D

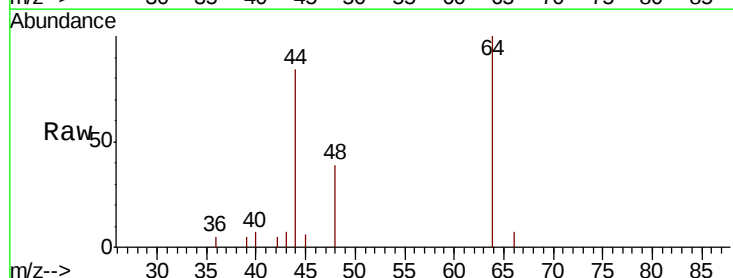
Acq: 14 Nov 2018 18:22

Tgt Ion: 64 Resp: 399

Ion Ratio Lower Upper

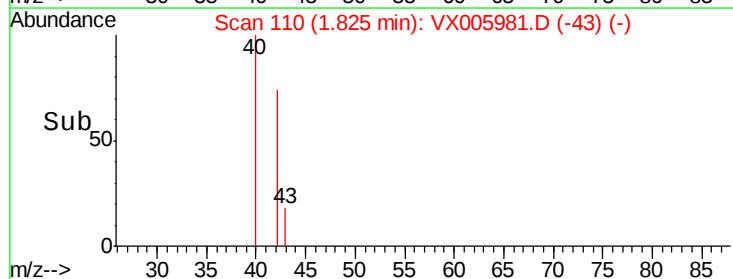
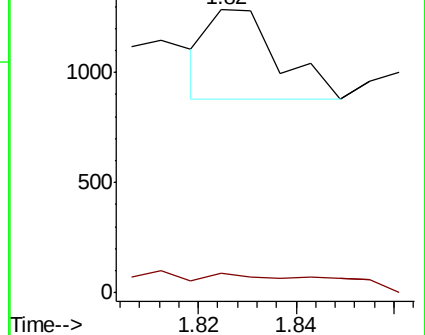
64 100

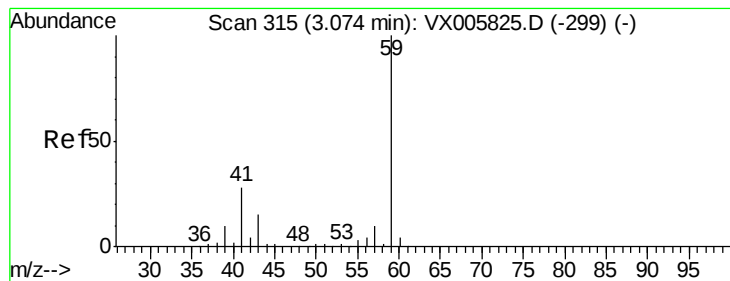
66 8.9 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



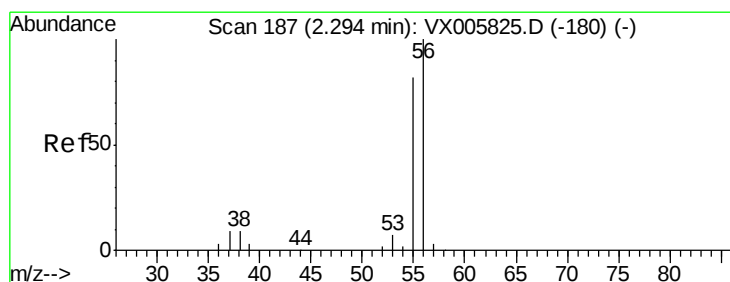
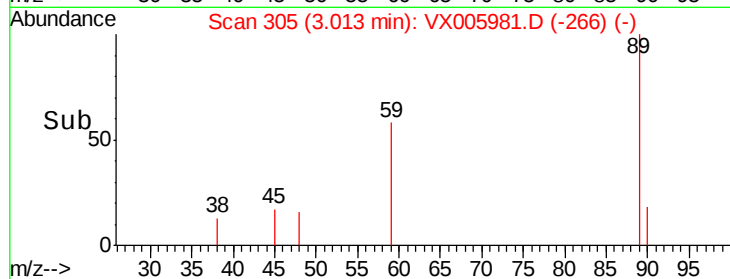
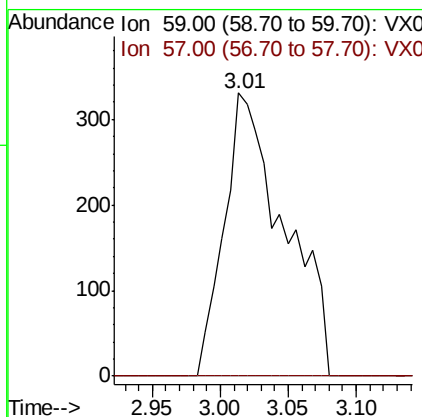
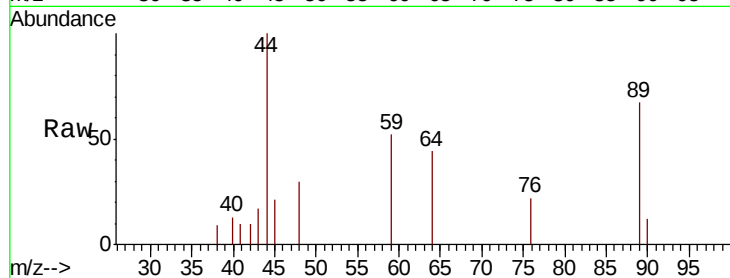


#11

Tert butyl alcohol
 Concen: 2.482 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.06 min
 Lab File: VX005981.D
 Acq: 14 Nov 2018 18:22

Instrument :
 MSVOA_X
 ClientSampleID :
 S36-0144

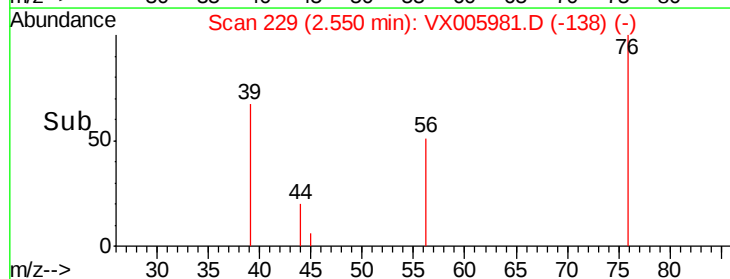
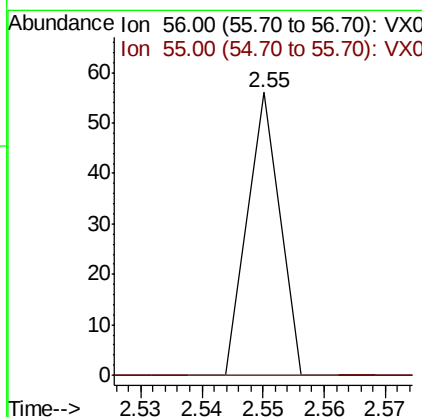
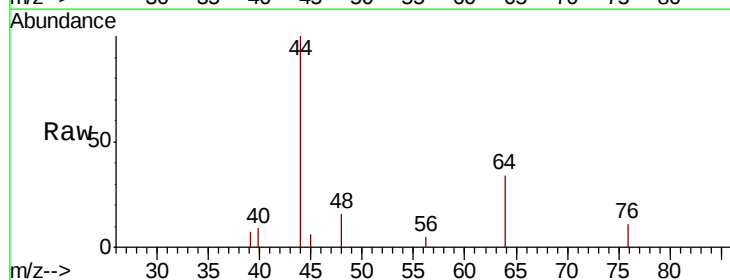
Tot Ion: 59 Resp: 1021
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

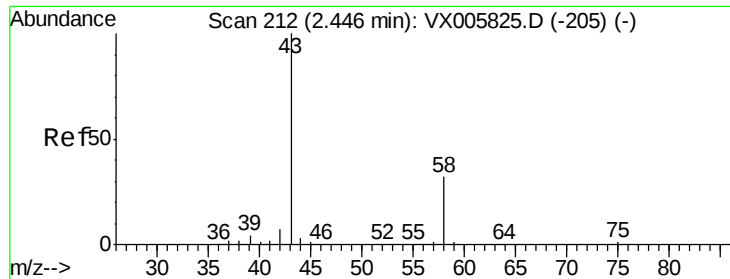


#13

Acrolein
 Concen: 19.258 ug/l
 RT: 2.55 min Scan# 229
 Delta R.T. 0.26 min
 Lab File: VX005981.D
 Acq: 14 Nov 2018 18:22

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.3 85.9#





#16

Acetone

Concen: 5.129 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampled :

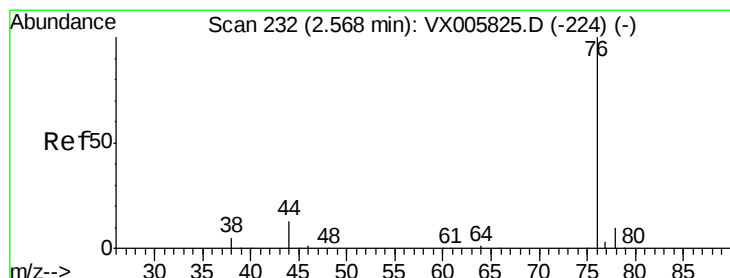
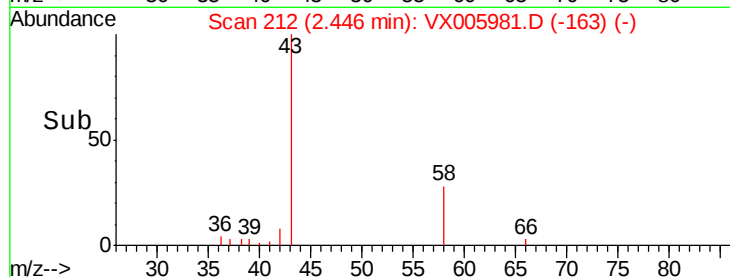
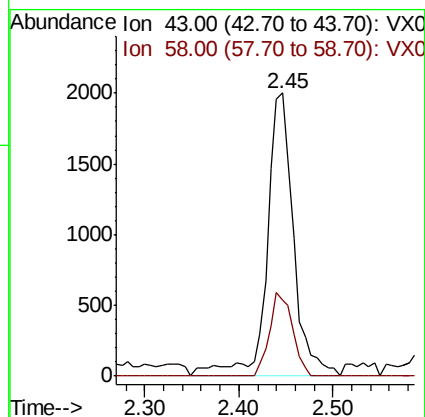
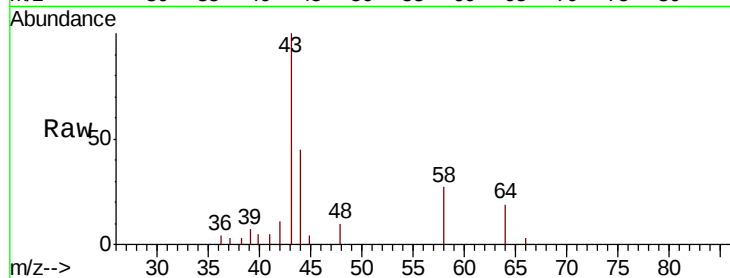
S36-0144

Tot Ion: 43 Resp: 3965

Ion Ratio Lower Upper

43 100

58 26.9 23.8 35.6



#17

Carbon Disulfide

Concen: 0.474 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005981.D

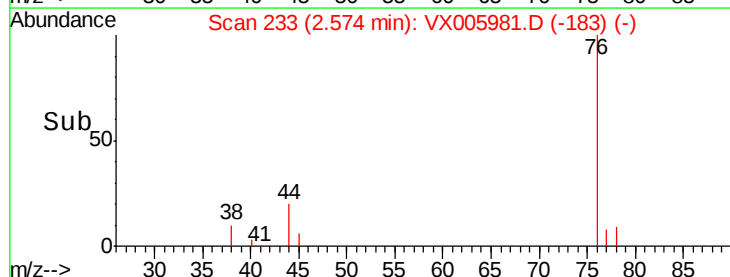
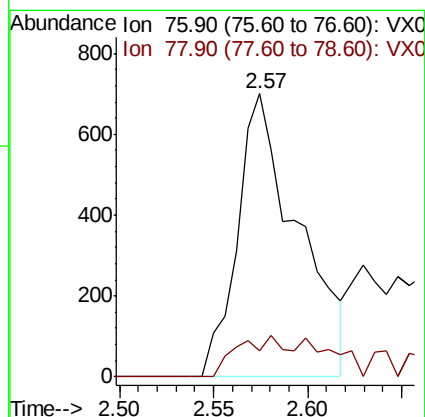
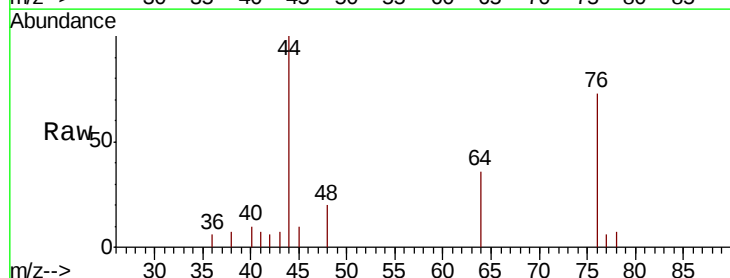
Acq: 14 Nov 2018 18:22

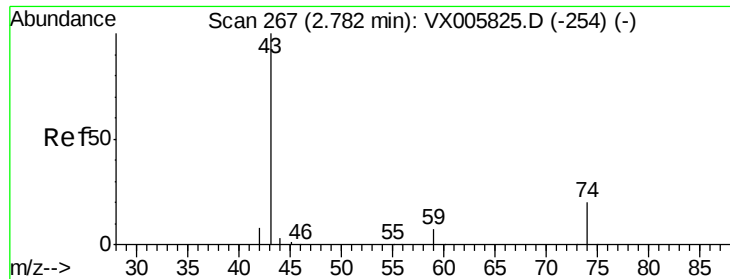
Tgt Ion: 76 Resp: 1560

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

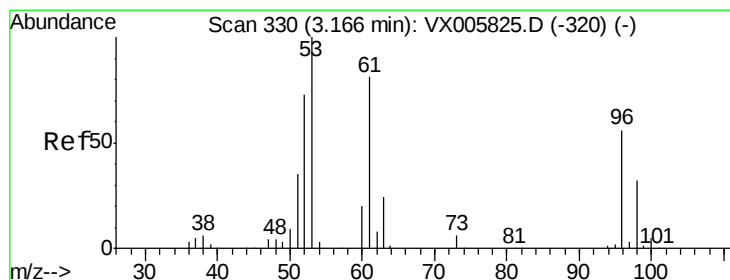
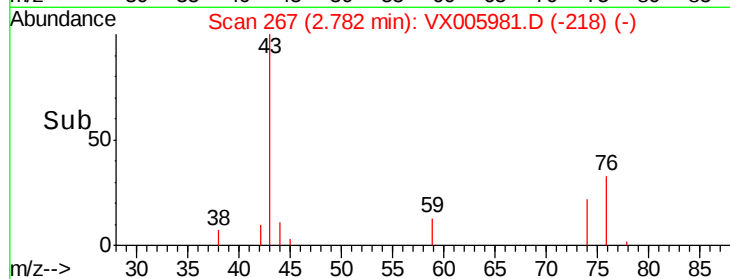
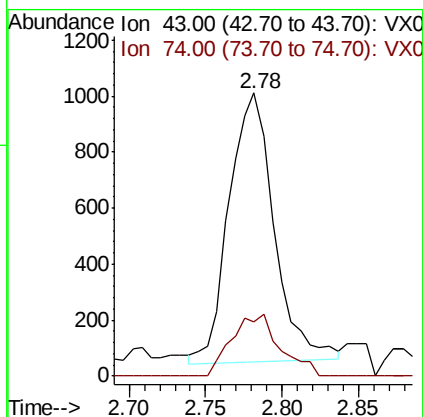
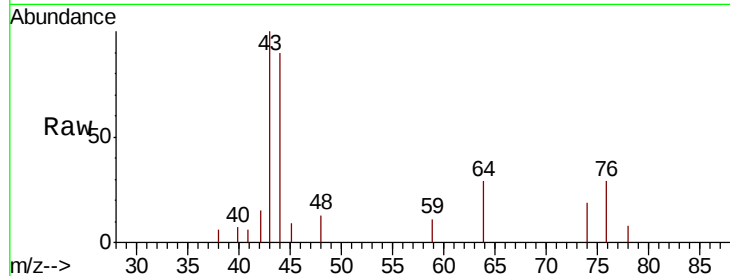




#18
Methvl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005981.D
Acq: 14 Nov 2018 18:22

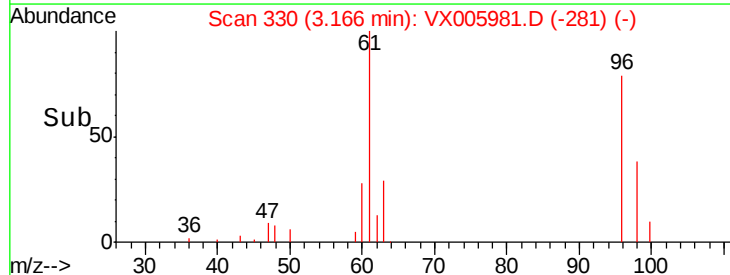
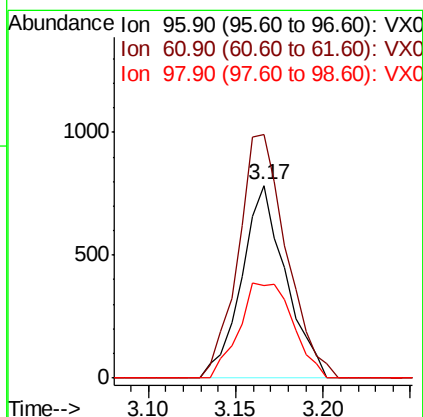
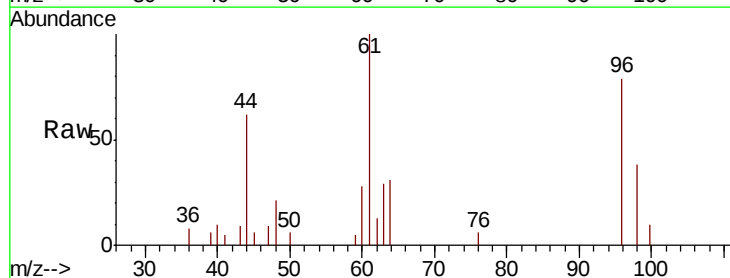
Instrument :
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S36-0144

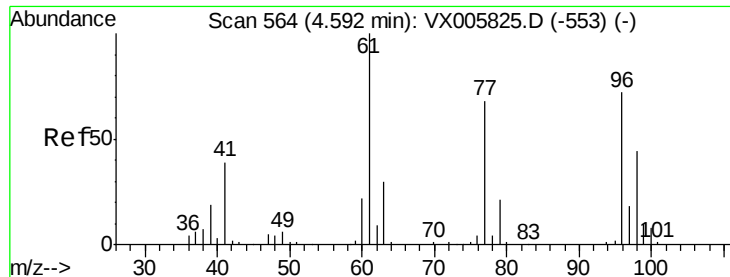
Tot Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
74 24.6 16.8 25.2



#21
trans-1,2-Dichloroethene
Concen: 1.181 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX005981.D
Acq: 14 Nov 2018 18:22

Tgt Ion: 96 Resp: 1375
Ion Ratio Lower Upper
96 100
61 126.4 115.6 173.4
98 48.1 50.2 75.2#





#27

cis-1,2-Dichloroethene

Concen: 14.384 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0144

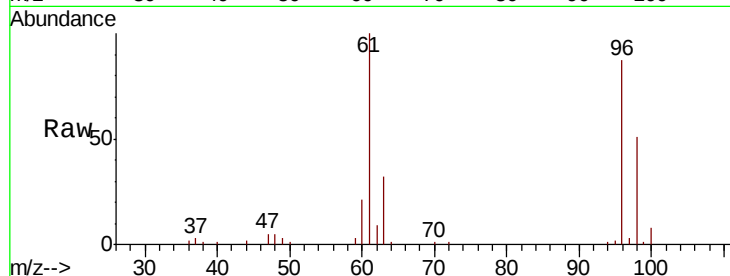
Tot Ion: 96 Resp: 18494

Ion Ratio Lower Upper

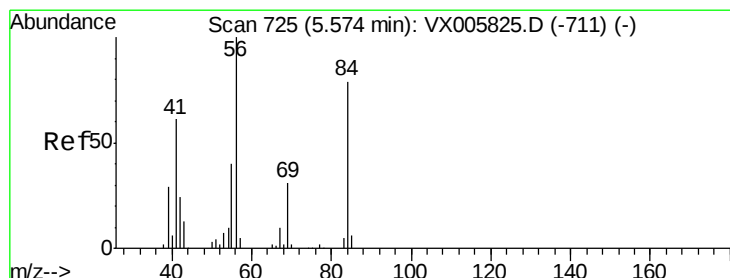
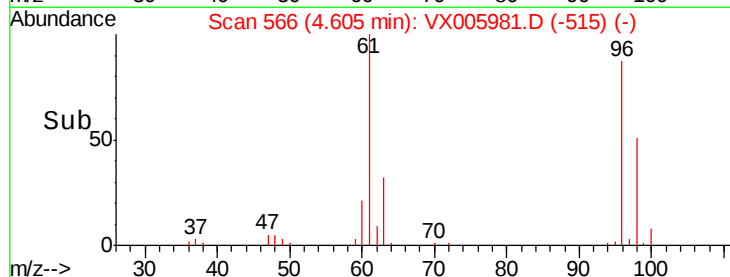
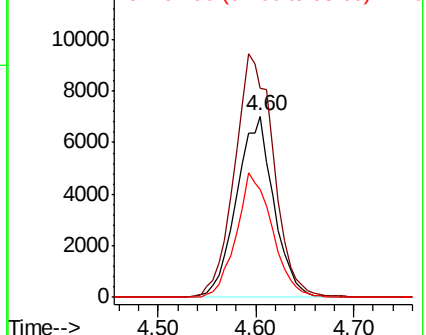
96 100

61 141.4 0.0 304.6

98 66.4 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



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

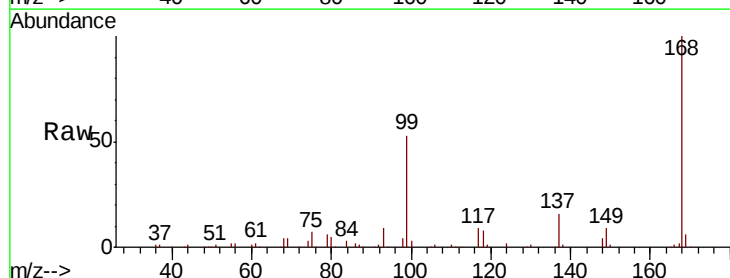
Tgt Ion: 56 Resp: 2311

Ion Ratio Lower Upper

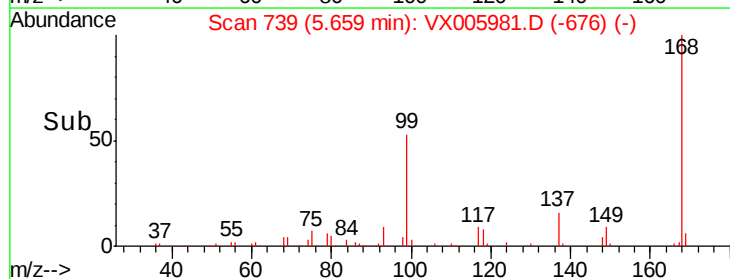
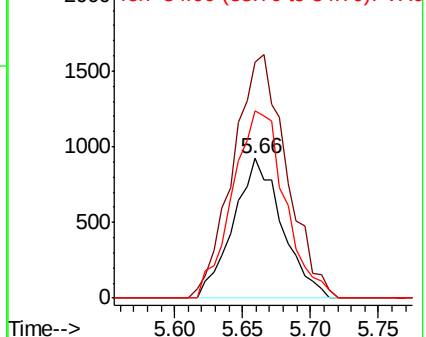
56 100

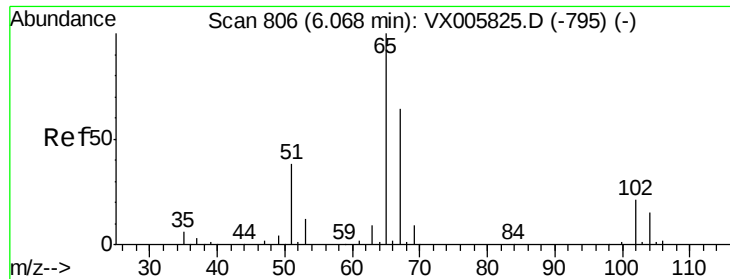
69 168.7 22.6 34.0#

84 134.3 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

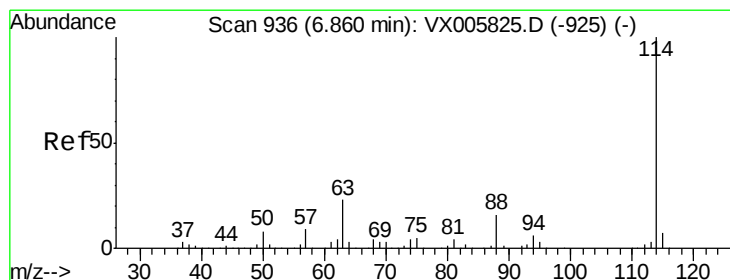
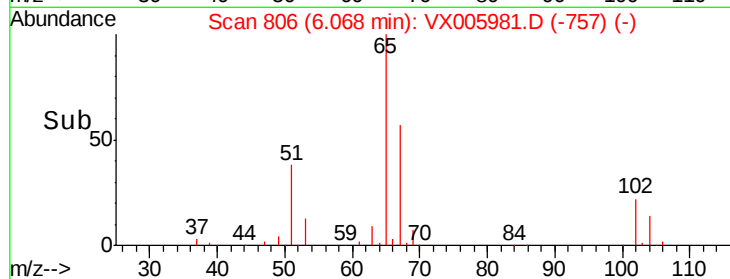
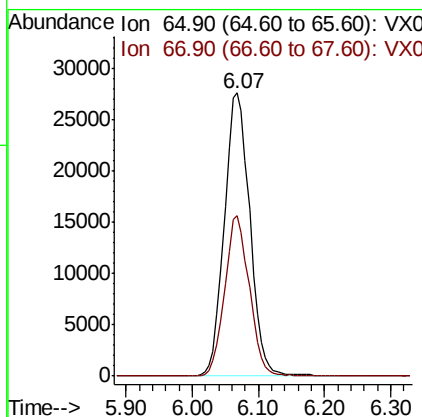
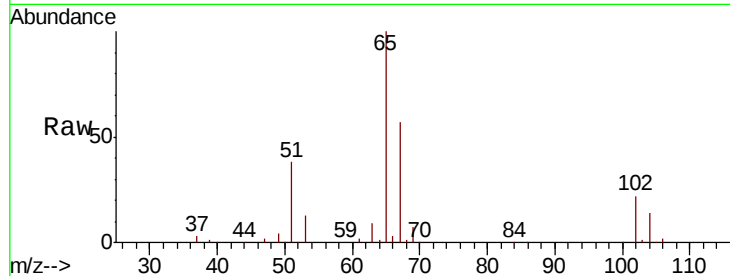




#33
 1,2-Dichloroethane-d4
 Concen: 51.352 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005981.D
 Acq: 14 Nov 2018 18:22

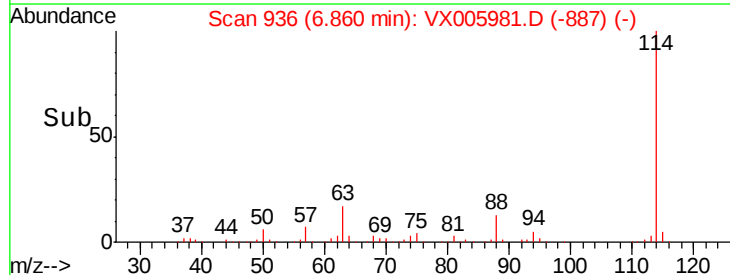
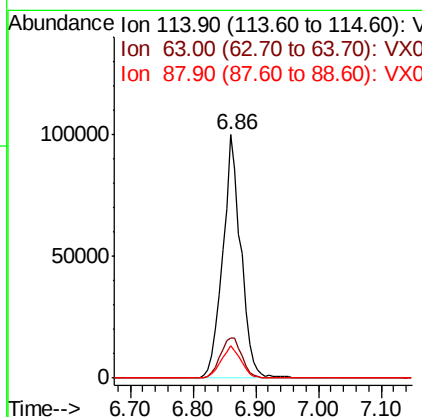
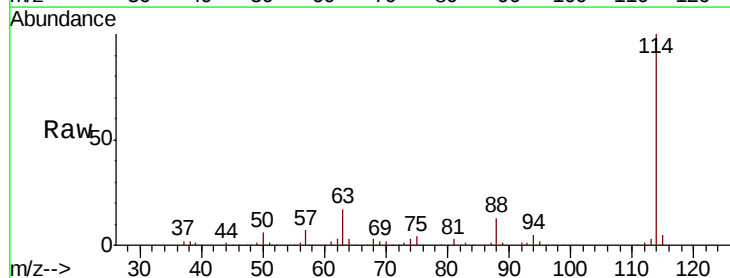
Instrument :
 MSVOA_X
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 S36-0144

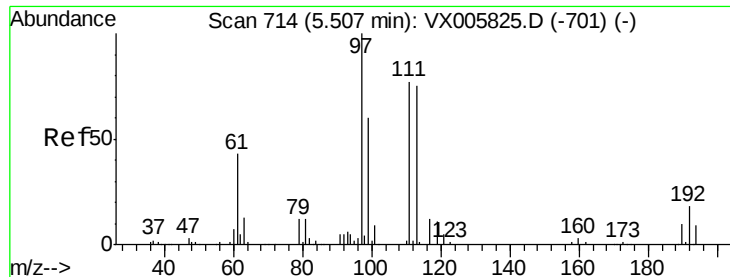
Tot Ion: 65 Resp: 73734
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005981.D
 Acq: 14 Nov 2018 18:22

Tgt Ion: 114 Resp: 200807
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 42.8
 88 13.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.031 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0144

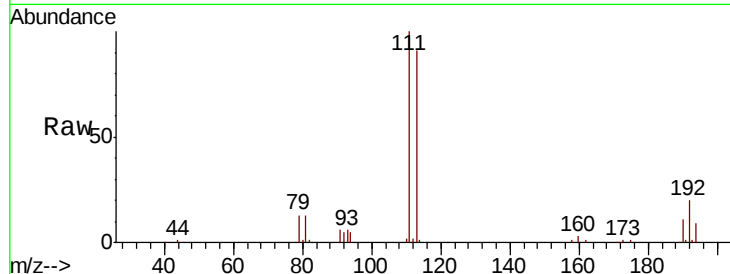
Tot Ion:113 Resp: 61503

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

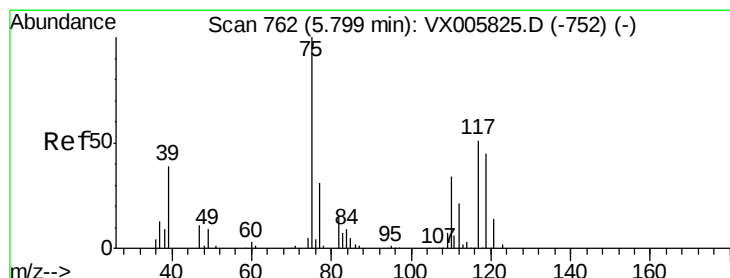
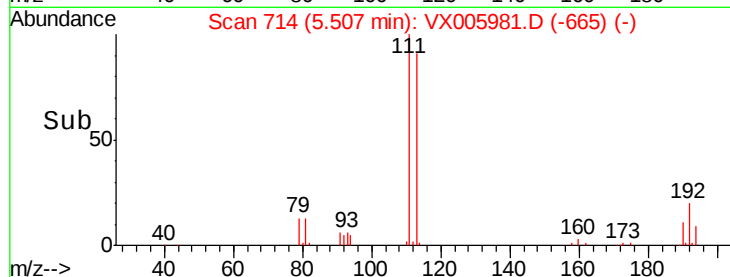
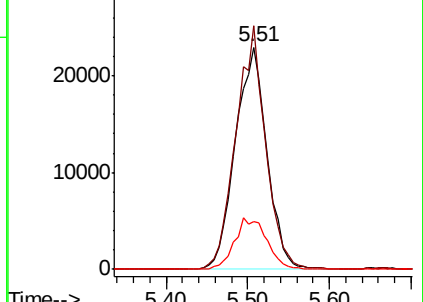
192 23.5 17.9 26.9



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: 4.547 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

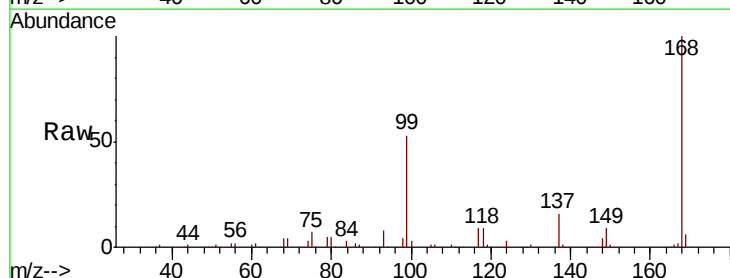
Tgt Ion: 75 Resp: 8803

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.2#

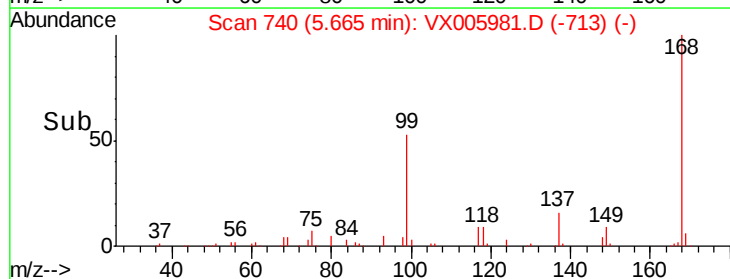
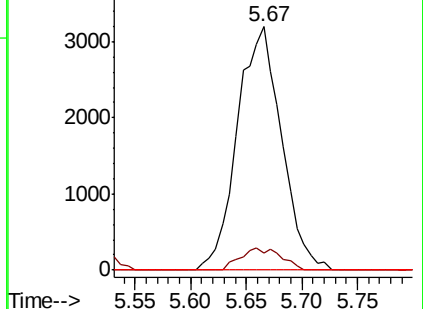
77 0.0 25.8 38.6#

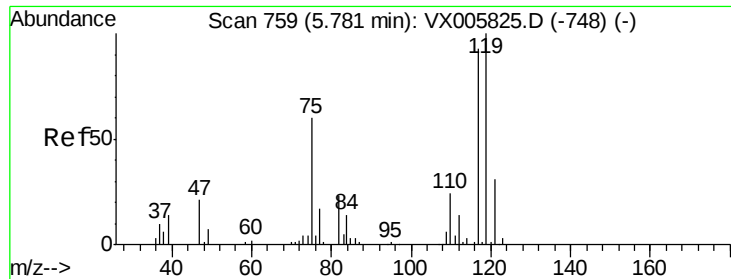


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

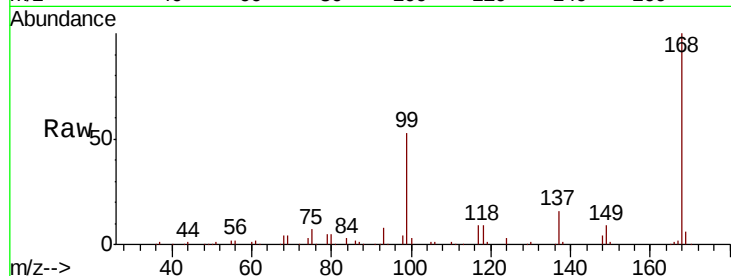




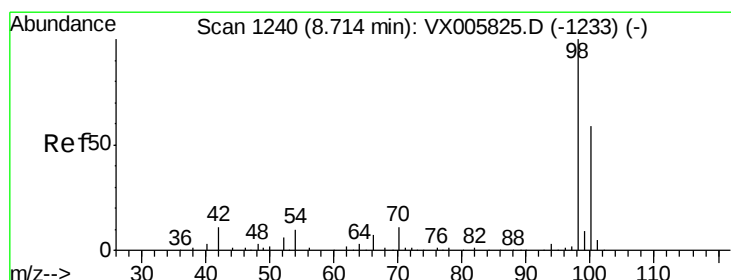
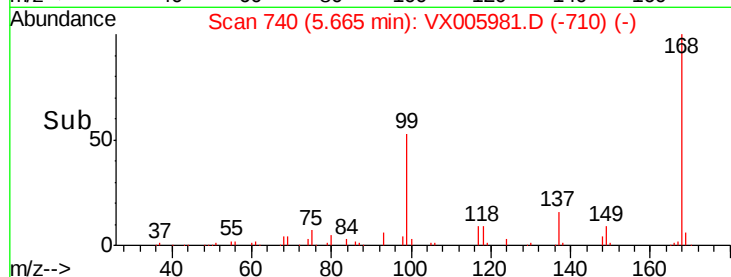
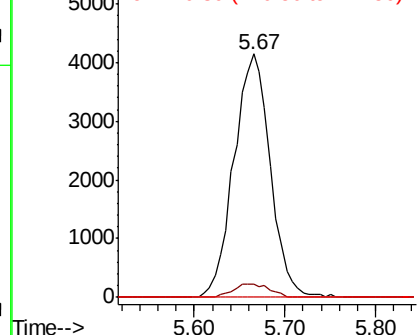
#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005981.D
Acq: 14 Nov 2018 18:22

Instrument :
MSVOA_X
ClientSampled :
S36-0144

Tot Ion:117 Resp: 11507
Ion Ratio Lower Upper
117 100
119 5.3 78.1 117.1#
121 0.0 24.6 36.8#

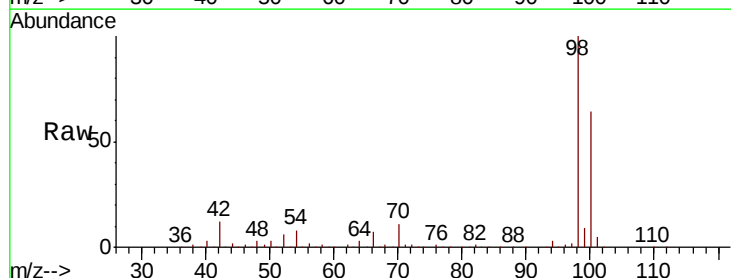


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

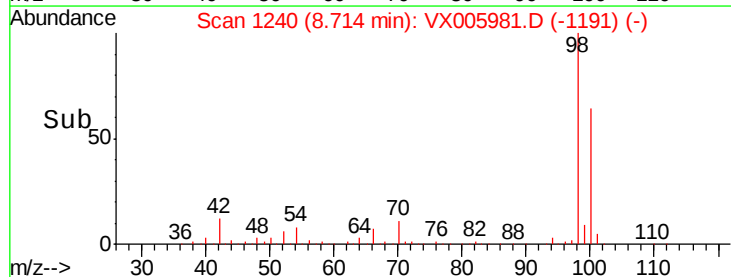
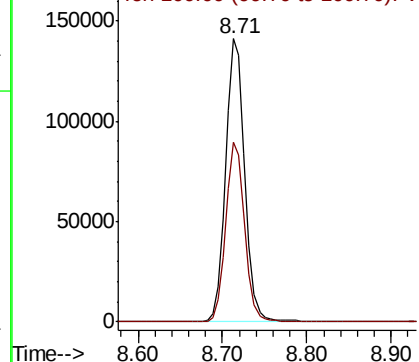


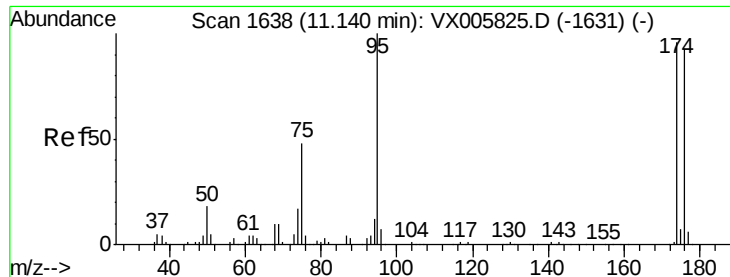
#50
Toluene-d8
Concen: 48.690 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005981.D
Acq: 14 Nov 2018 18:22

Tgt Ion: 98 Resp: 221085
Ion Ratio Lower Upper
98 100
100 63.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.978 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0144

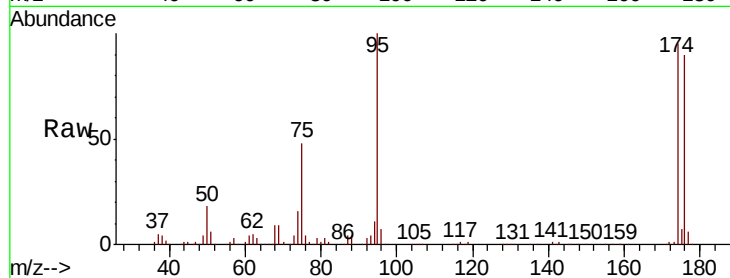
Tot Ion: 95 Resp: 76694

Ion Ratio Lower Upper

95 100

174 91.1 0.0 184.4

176 88.0 0.0 177.4

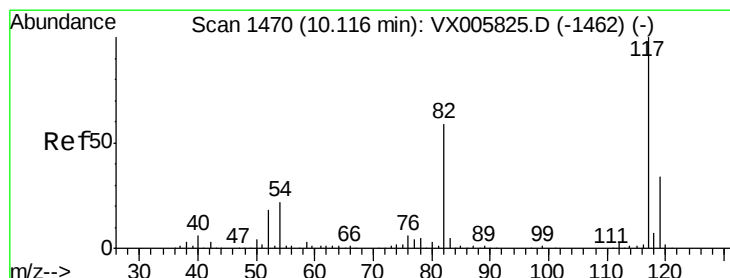
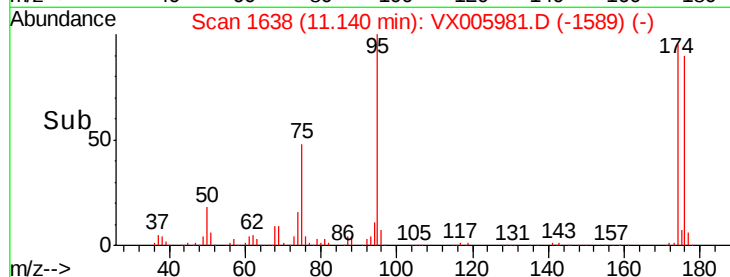


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

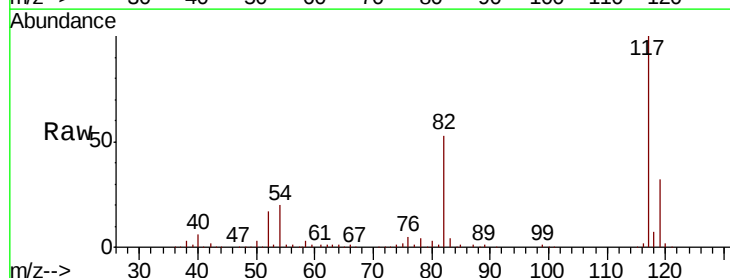
Tgt Ion: 117 Resp: 166307

Ion Ratio Lower Upper

117 100

82 53.2 44.1 66.1

119 32.0 26.2 39.2

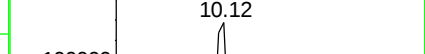
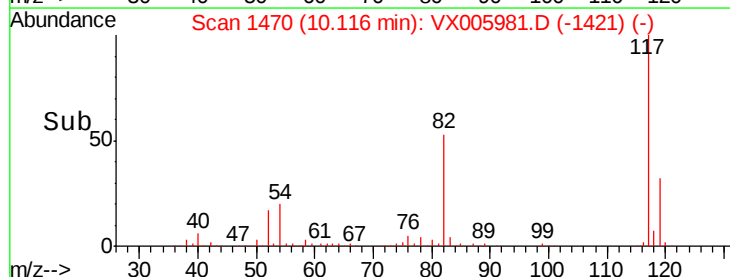


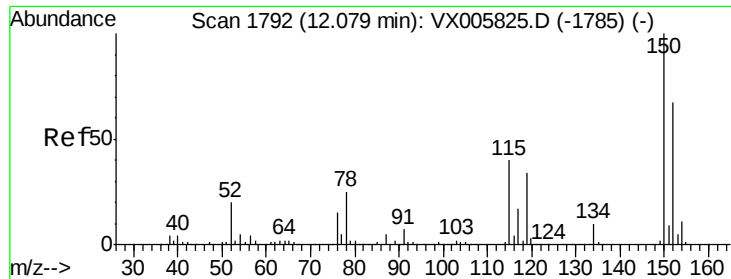
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampled :

S36-0144

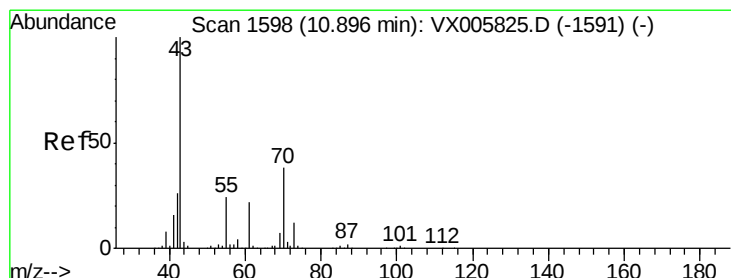
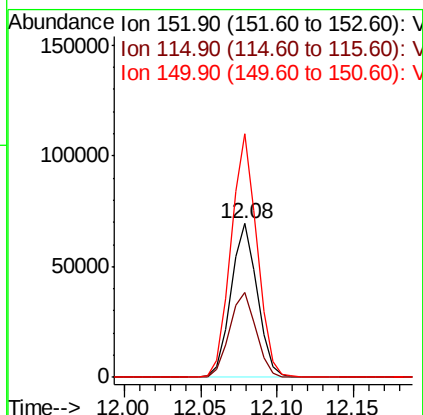
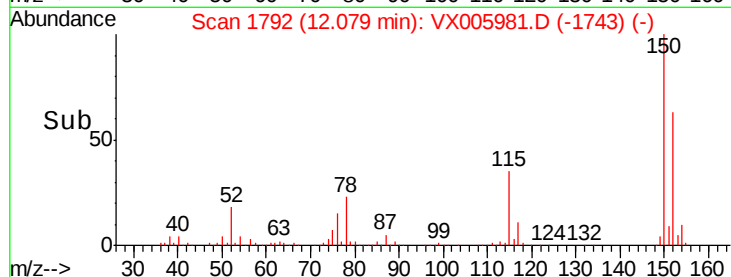
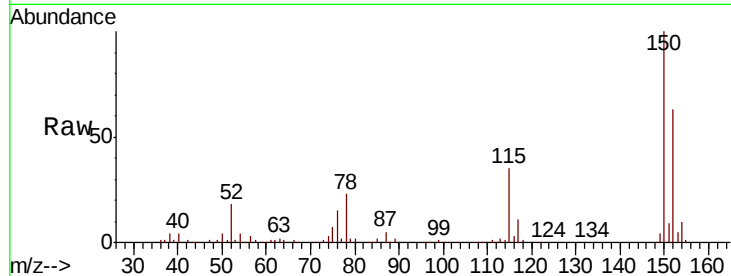
Tot Ion:152 Resp: 82586

Ion Ratio Lower Upper

152 100

115 56.0 39.4 118.1

150 156.6 0.0 346.4



#74

N-ethyl acetate

Concen: 1.270 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.24 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Tgt Ion: 43 Resp: 52

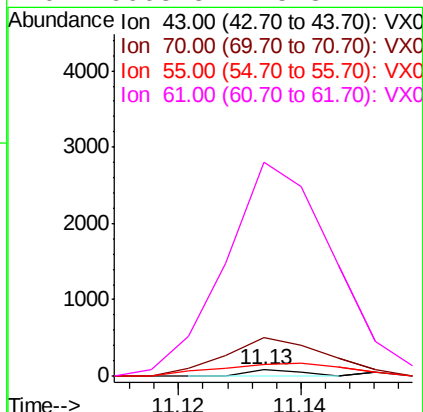
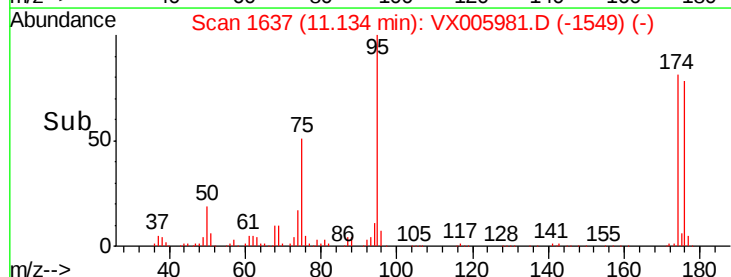
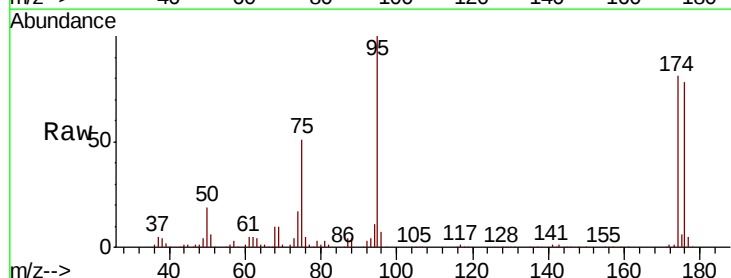
Ion Ratio Lower Upper

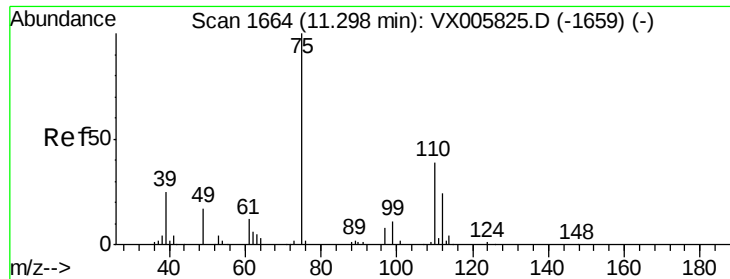
43 100

70 1126.9 31.6 47.4#

55 450.0 19.7 29.5#

61 6663.5 18.3 27.5#

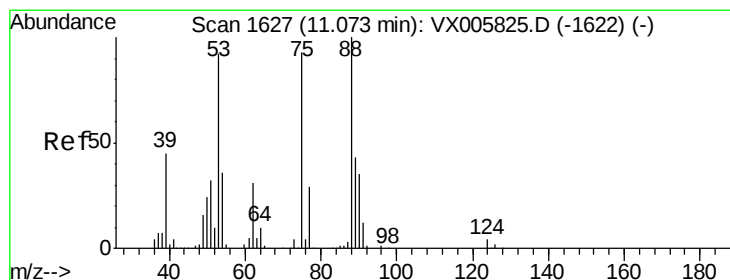
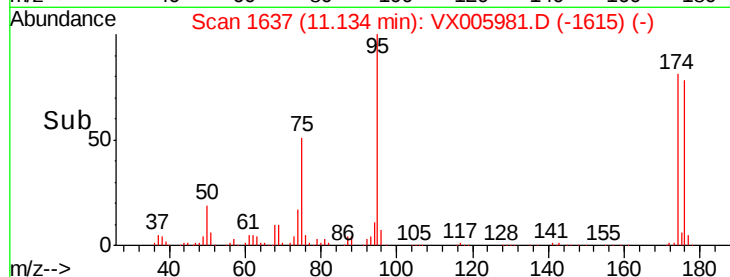
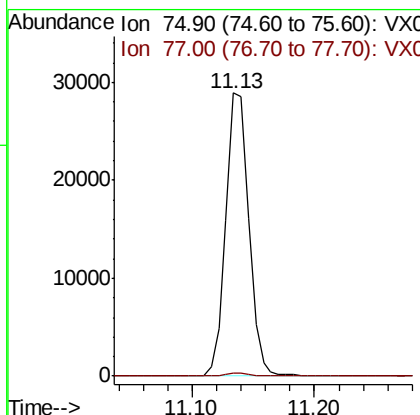
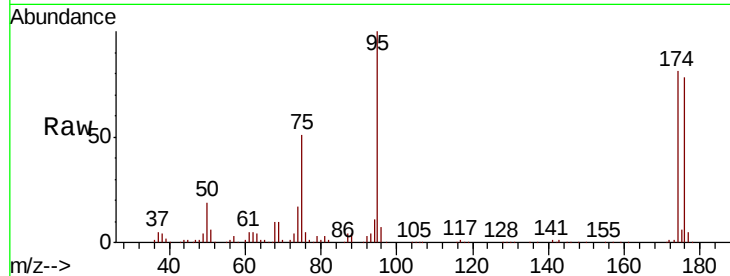




#76
 1,2,3-Trichloropropane
 Concen: 22.497 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX005981.D
 Acq: 14 Nov 2018 18:22

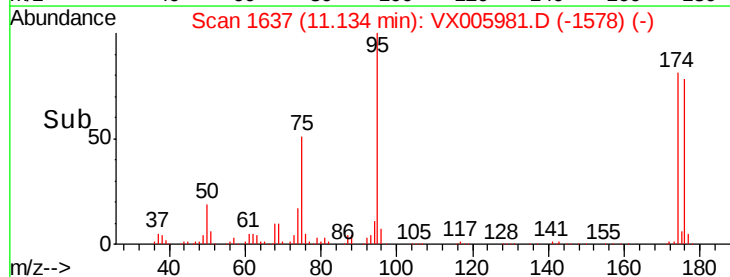
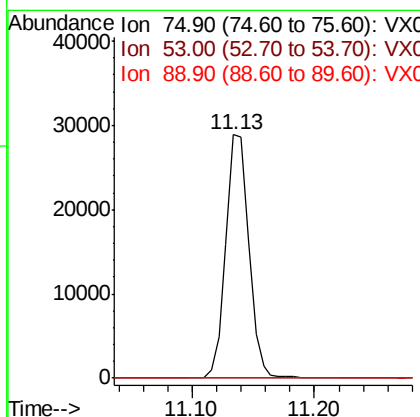
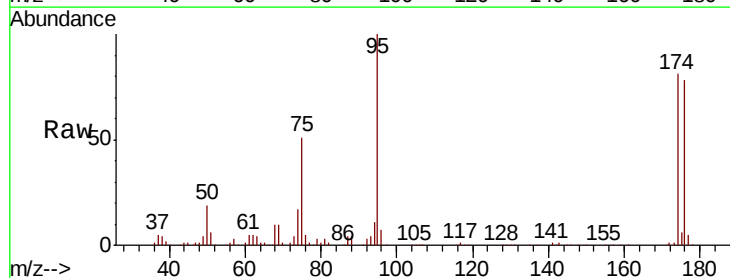
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144

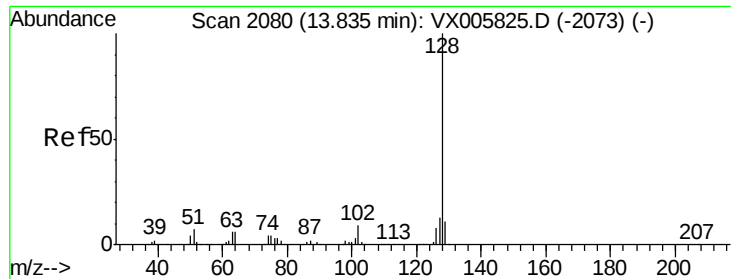
Tot Ion: 75 Resp: 37831
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.700 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX005981.D
 Acq: 14 Nov 2018 18:22

Tgt Ion: 75 Resp: 37831
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#





#95

Naphthalene

Concen: 1.202 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX005981.D

Acq: 14 Nov 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0144

Tot Ion:128 Resp: 152

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

