

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040218\
 Data File : VX000639.D
 Acq On : 02 Apr 2018 14:27
 Operator : JC/MD
 Sample : J2175-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Apr 03 02:40:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	126378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	207336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	209983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112987	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	82264	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	5.51	113	64451	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.73	98	262608	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.15	95	92654	41.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.40%	

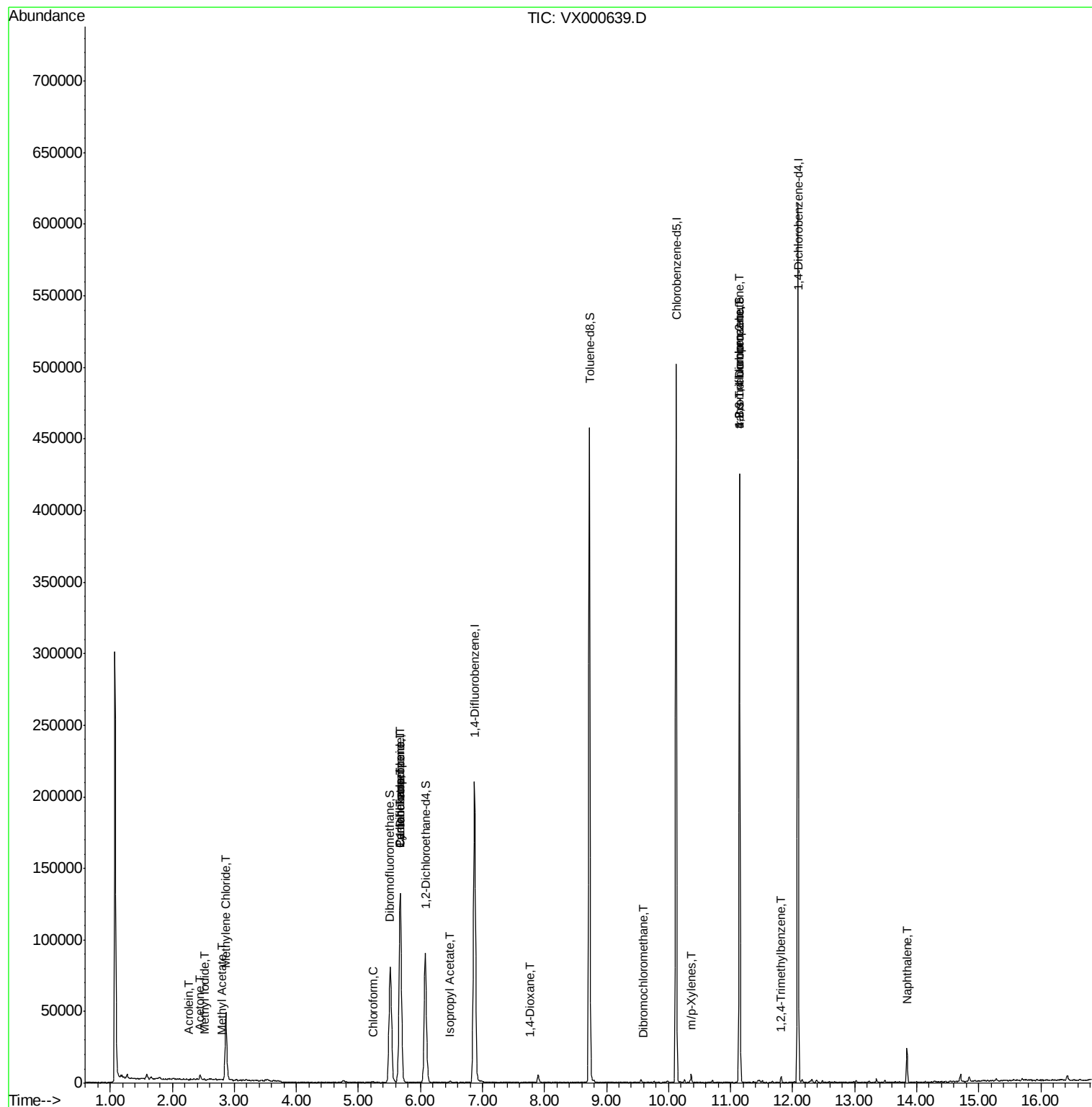
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	66	Below Cal	#	44
10) Methyl Iodide	2.52	142	46	4.30	ug/l	83
13) Acrolein	2.27	56	25	14.71	ug/l	13
14) Allyl chloride	2.73	41	73	Below Cal	#	45
16) Acetone	2.45	43	3907	2.85	ug/l	85
18) Methyl Acetate	2.79	43	607	0.21	ug/l	64
20) Methylene Chloride	2.87	84	21079	13.30	ug/l	99
30) Chloroform	5.23	83	805	0.32	ug/l	63
31) Cyclohexane	5.67	56	3452	1.66	ug/l	53
36) 1,1-Dichloropropene	5.67	75	10071	5.19	ug/l	50
38) Carbon Tetrachloride	5.67	117	12085	5.93	ug/l	16
43) Isopropyl Acetate	6.48	43	1245	0.32	ug/l	77
49) 1,4-Dioxane	7.77	88	29	0.72	ug/l	26
60) Dibromochloromethane	9.59	129	138	4.18	ug/l	43
68) m/p-Xylenes	10.37	106	1509	0.48	ug/l	85
74) N-amyl acetate	6.48	43	1245	Below Cal	#	77
76) 1,2,3-Trichloropropane	11.15	75	53296	21.95	ug/l	35
81) trans-1,4-Dichloro-2-buten	11.15	75	53296	71.06	ug/l	9
84) 1,2,4-Trimethylbenzene	11.82	105	2037	0.31	ug/l	96
95) Naphthalene	13.84	128	13770	1.49	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

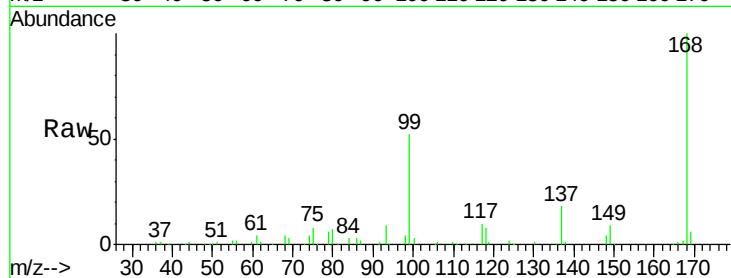
TP-3

Tgt Ion:168 Resp: 126378

Ion Ratio Lower Upper

168 100

99 51.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

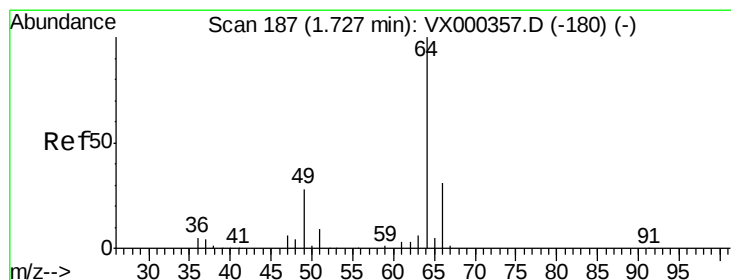
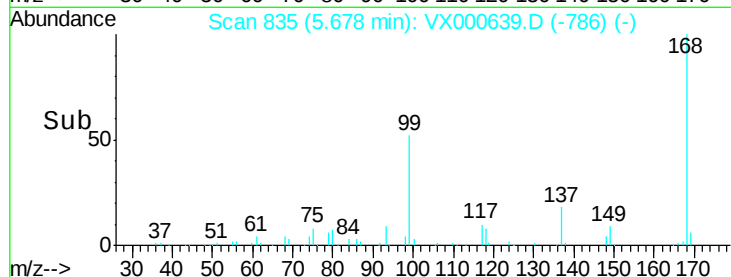
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000639.D

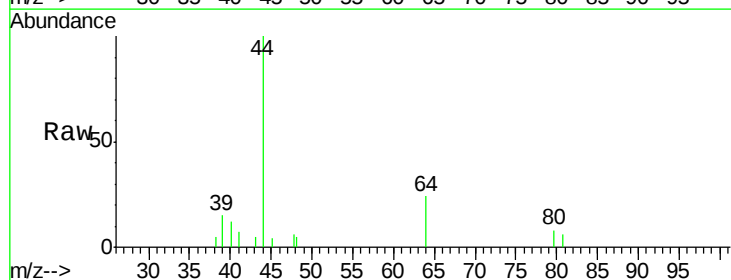
Acq: 02 Apr 2018 14:27

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

400

300

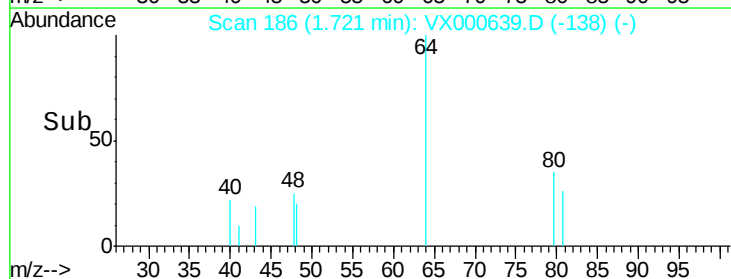
200

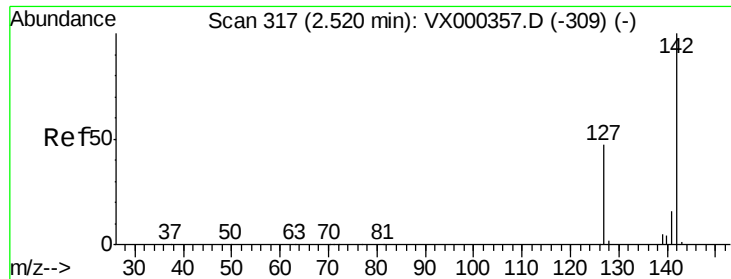
100

0

1.71 1.72 1.73

Time-->

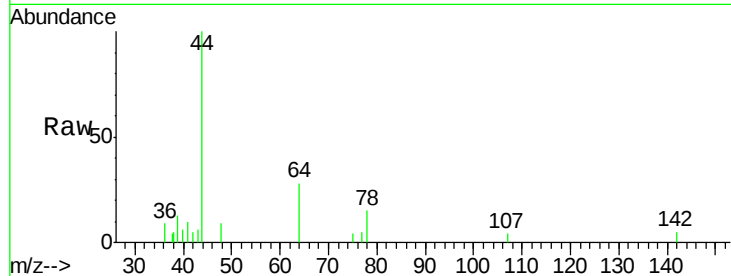




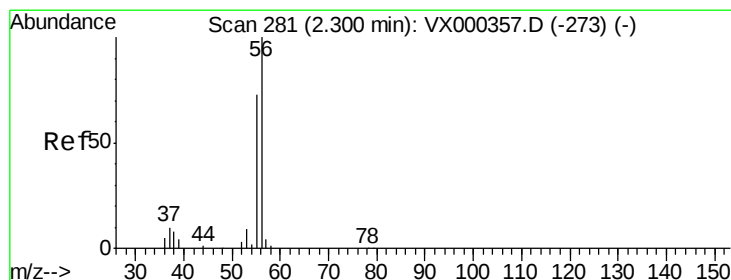
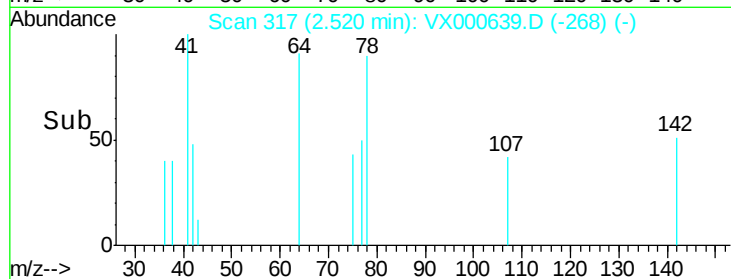
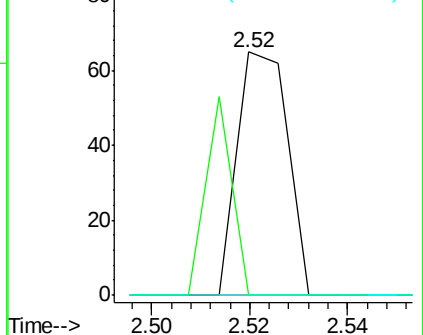
#10
Methyl Iodide
Concen: 4.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Instrument :
MSVOA_X
ClientSampled :
TP-3

Tgt Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 41.3 39.2 58.8
141 0.0 11.7 17.5#

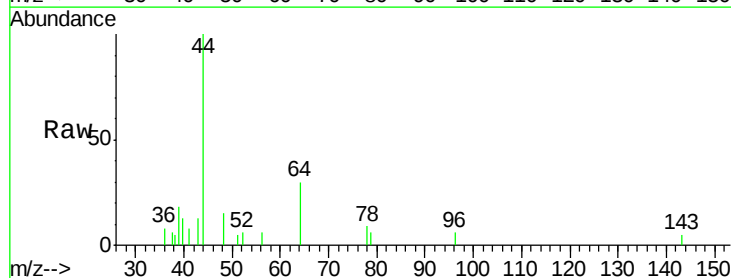


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

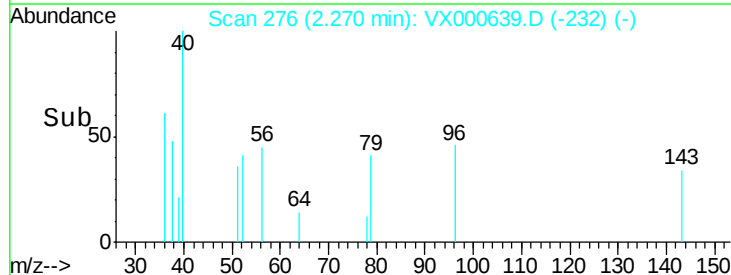
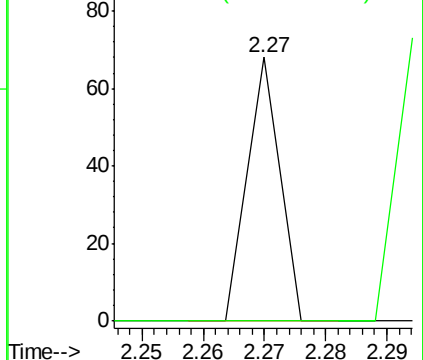


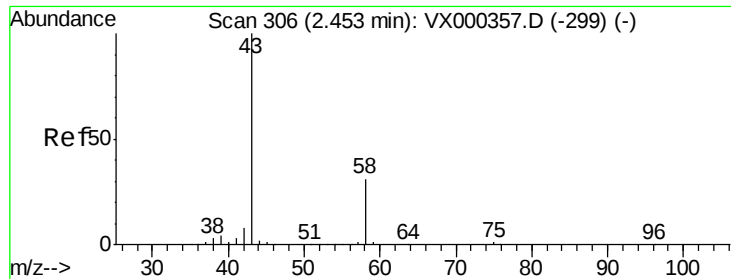
#13
Acrolein
Concen: 14.71 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.03 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.85 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampled :

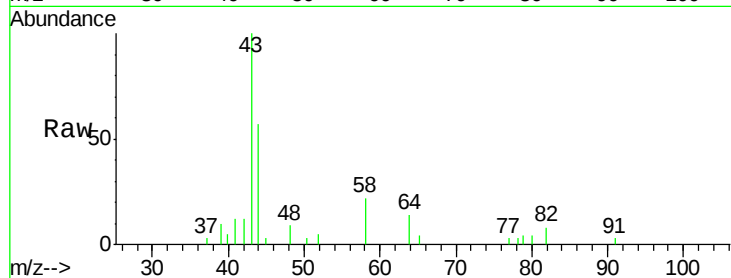
TP-3

Tgt Ion: 43 Resp: 3907

Ion Ratio Lower Upper

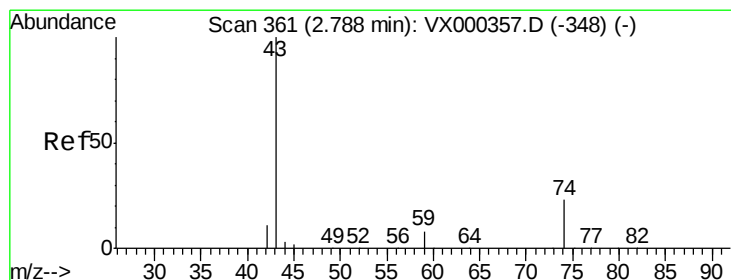
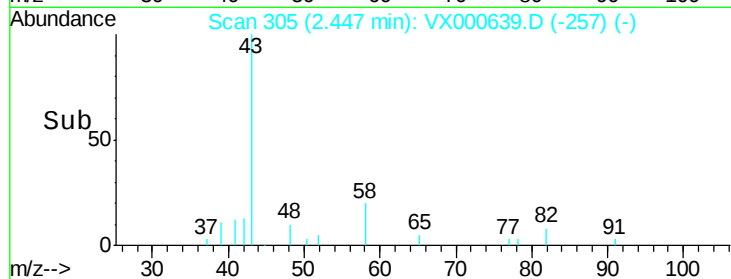
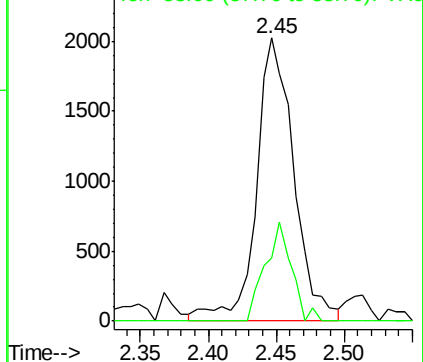
43 100

58 22.8 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.01 min

Lab File: VX000639.D

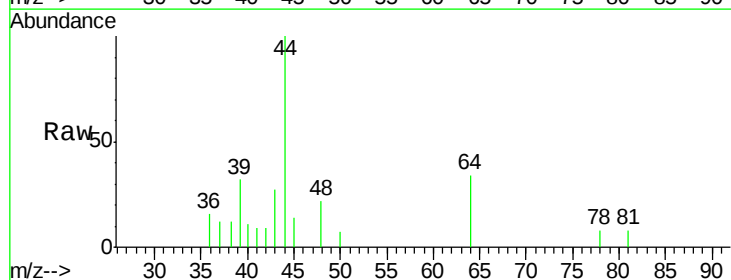
Acq: 02 Apr 2018 14:27

Tgt Ion: 43 Resp: 607

Ion Ratio Lower Upper

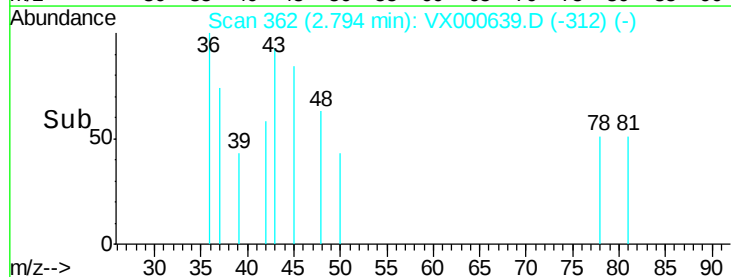
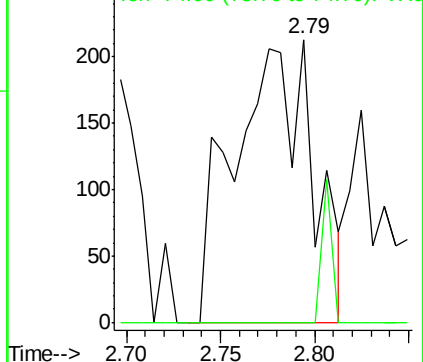
43 100

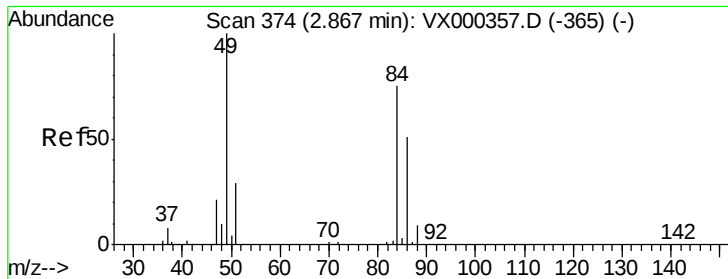
74 6.6 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

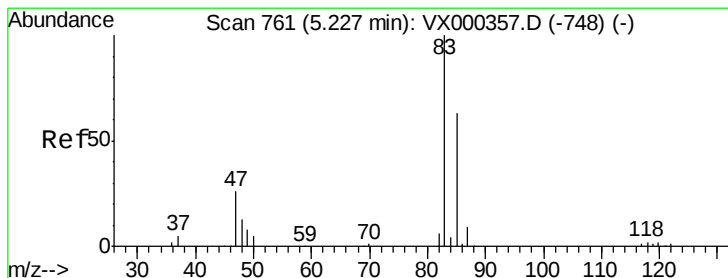
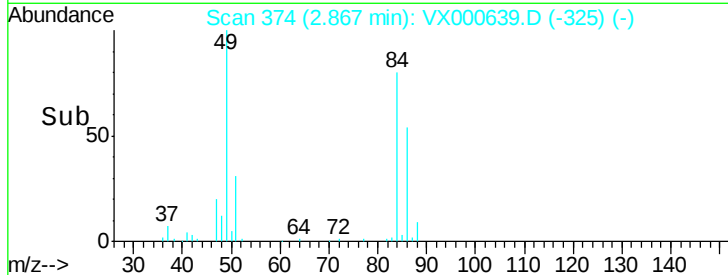
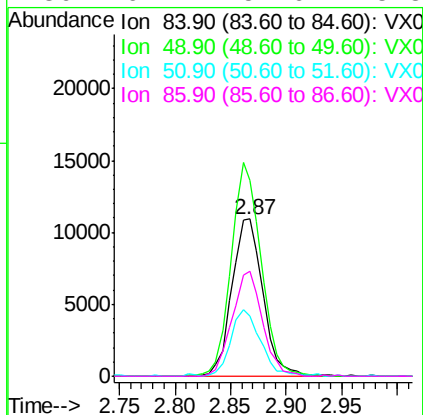
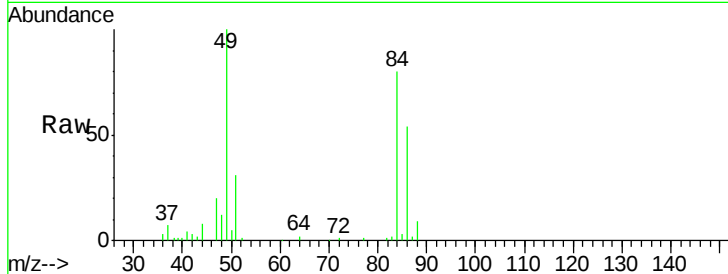




#20
Methylene Chloride
Concen: 13.30 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

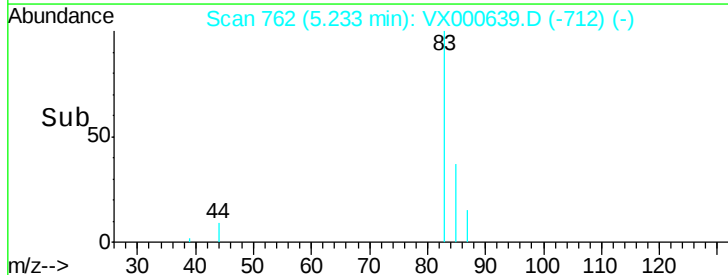
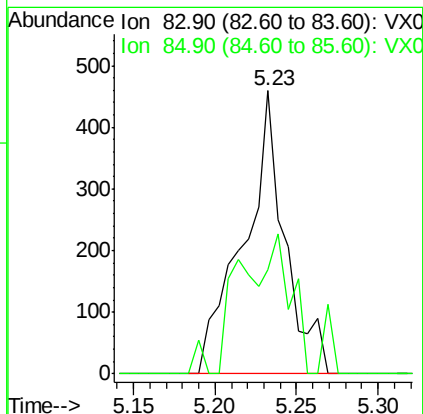
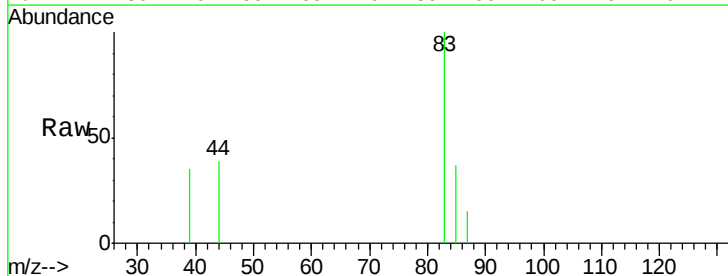
Instrument :
MSVOA_X
ClientSampled :
TP-3

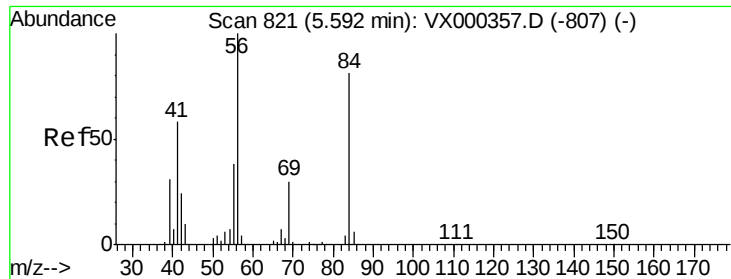
Tgt Ion: 84 Resp: 21079
Ion Ratio Lower Upper
84 100
49 124.9 100.6 151.0
51 37.6 31.6 47.4
86 67.1 52.6 78.8



#30
Chloroform
Concen: 0.32 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Tgt Ion: 83 Resp: 805
Ion Ratio Lower Upper
83 100
85 36.8 53.3 79.9#

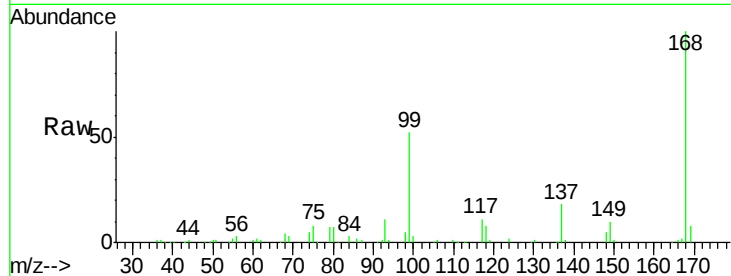




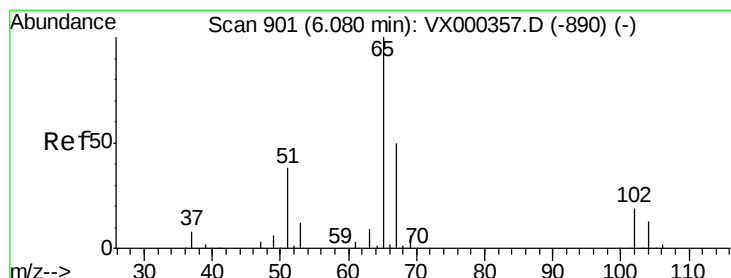
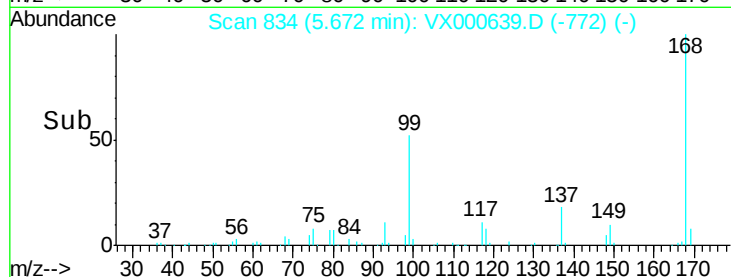
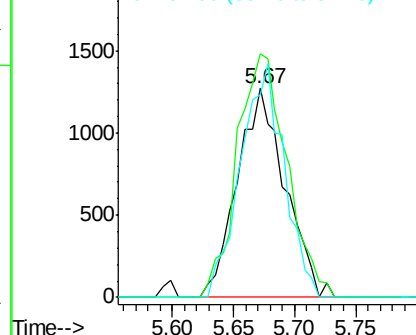
#31
Cyclohexane
Concen: 1.66 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tgt Ion: 56 Resp: 3452
Ion Ratio Lower Upper
56 100
69 116.6 23.4 35.0#
84 96.9 71.0 106.4

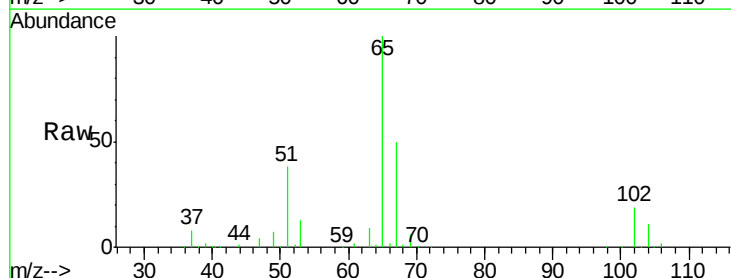


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

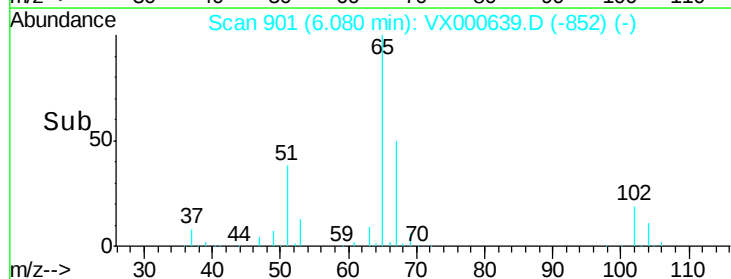
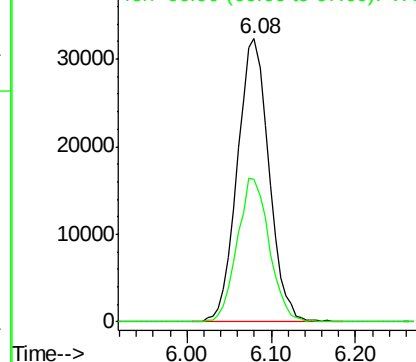


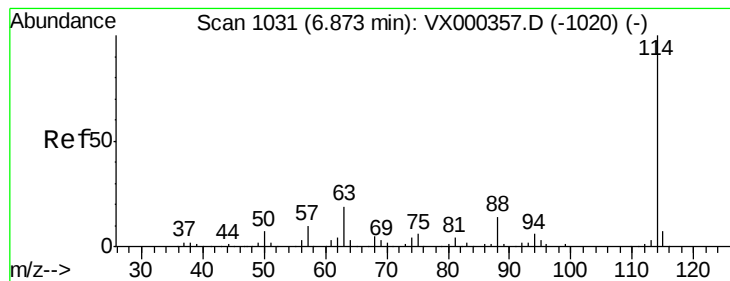
#33
1,2-Dichloroethane-d4
Concen: 49.87 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Tgt Ion: 65 Resp: 82264
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.2



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

TP-3

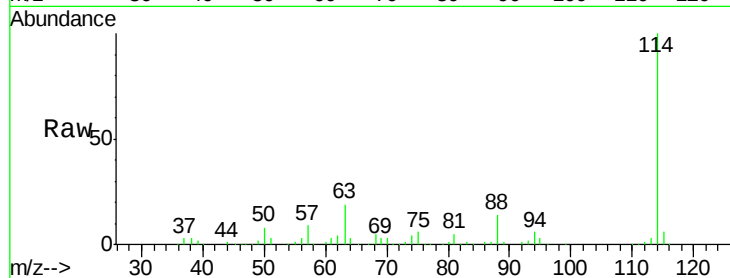
Tgt Ion:114 Resp: 207336

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

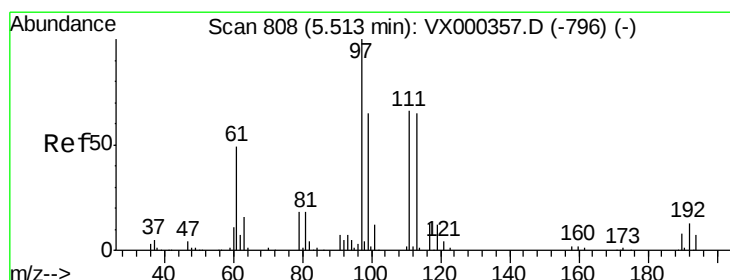
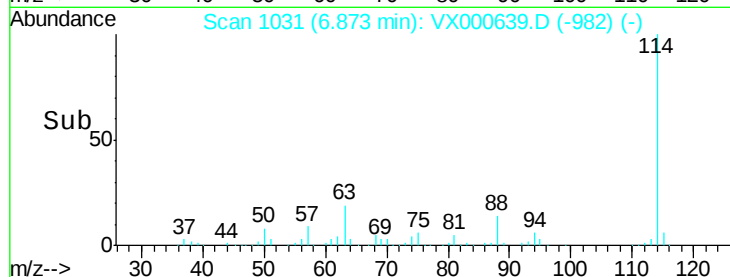
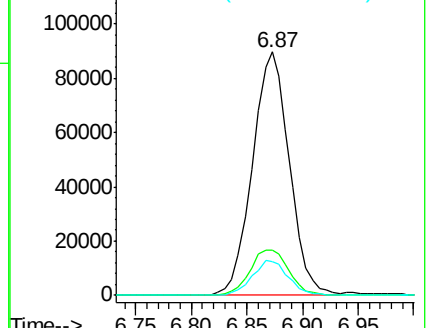
88 14.0 0.0 27.0



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: 49.33 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

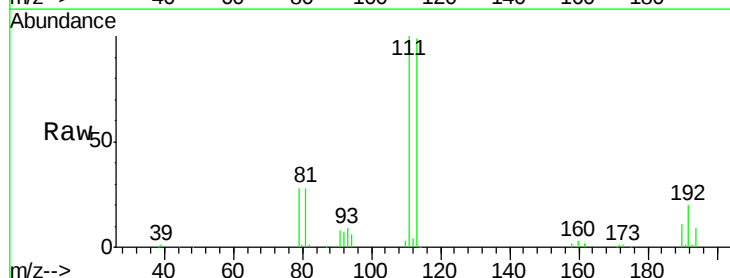
Tgt Ion:113 Resp: 64451

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

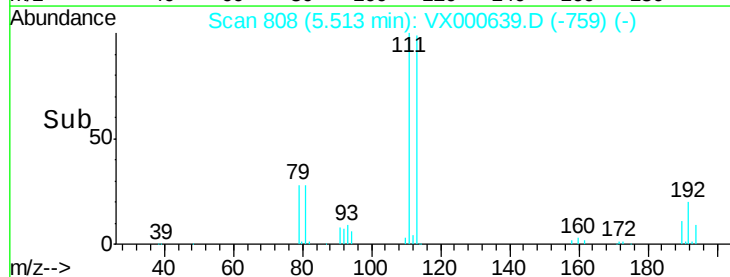
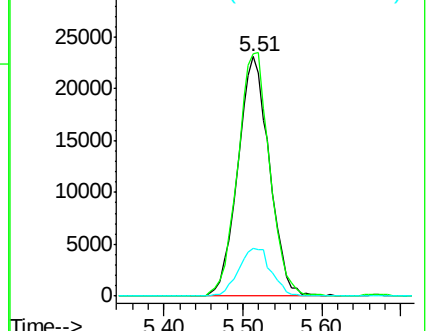
192 20.8 15.8 23.6

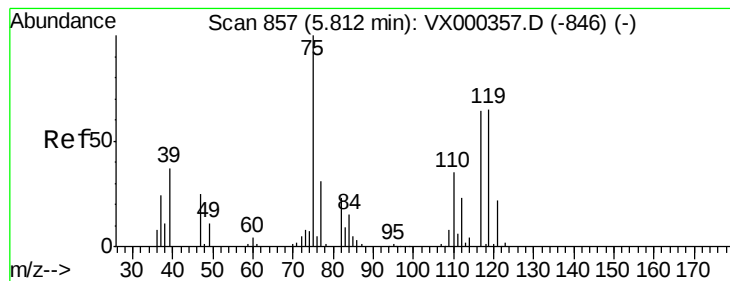


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.19 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

TP-3

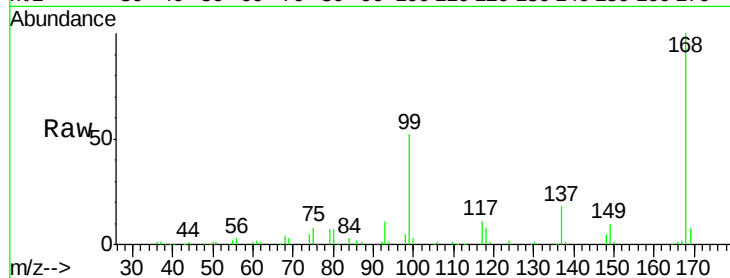
Tgt Ion: 75 Resp: 10071

Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.7#

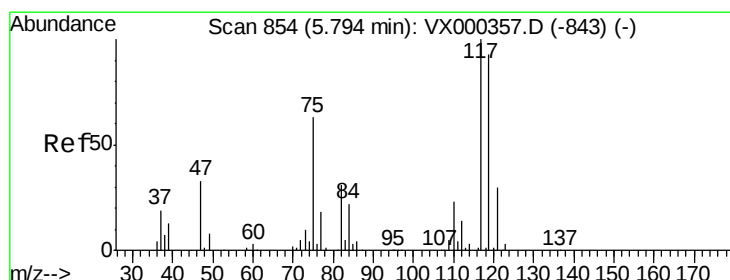
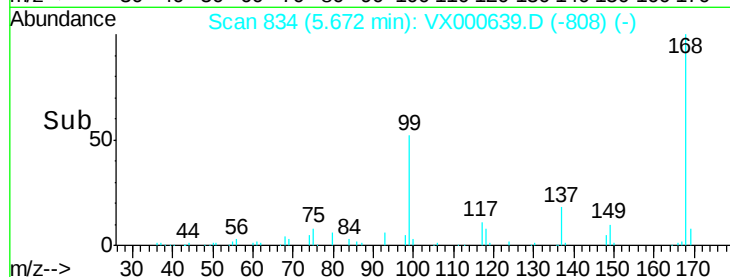
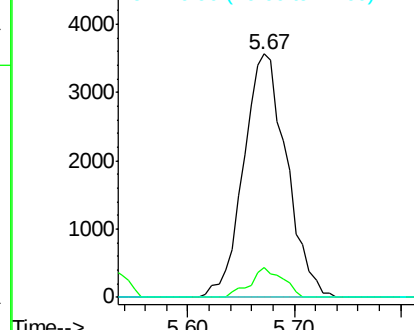
77 0.0 24.0 36.0#



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: 5.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

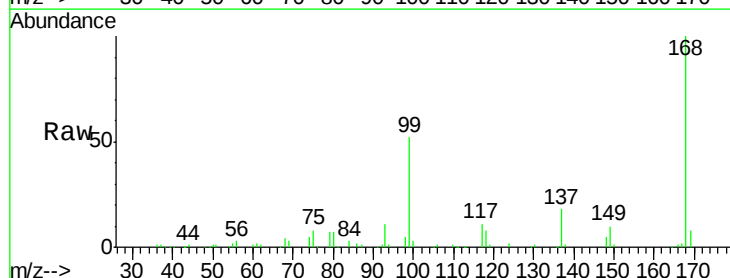
Tgt Ion: 117 Resp: 12085

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.2#

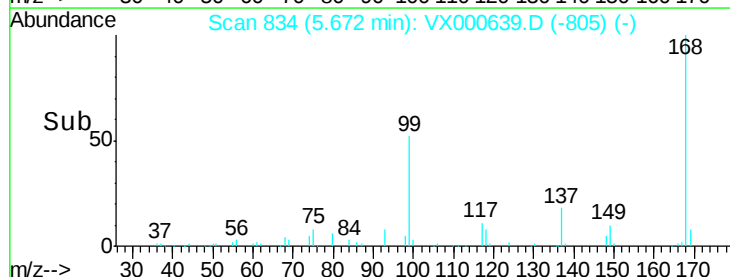
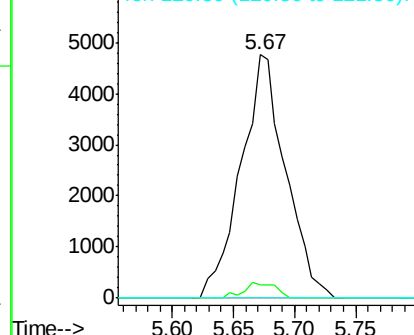
121 0.0 24.8 37.2#

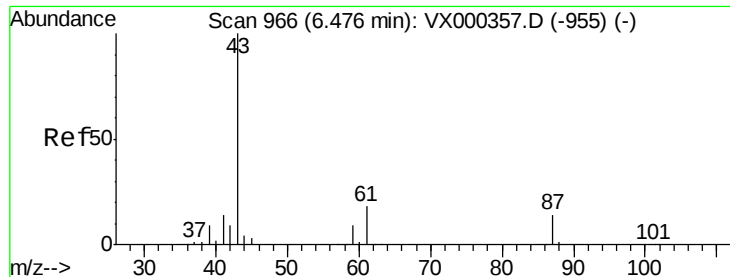


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.32 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

TP-3

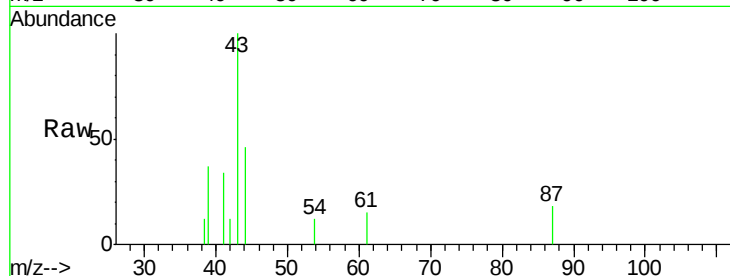
Tgt Ion: 43 Resp: 1245

Ion Ratio Lower Upper

43 100

61 7.8 14.4 21.6#

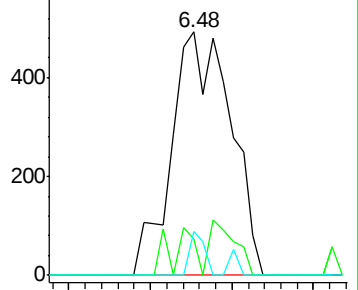
87 4.7 11.0 16.4#



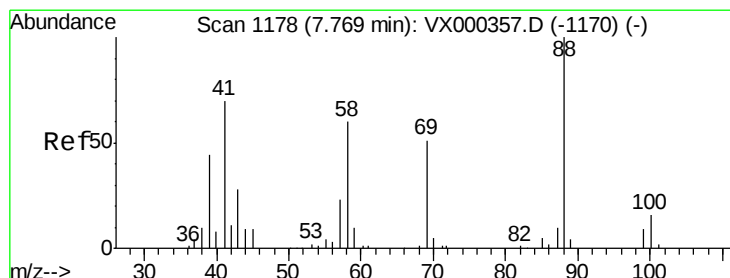
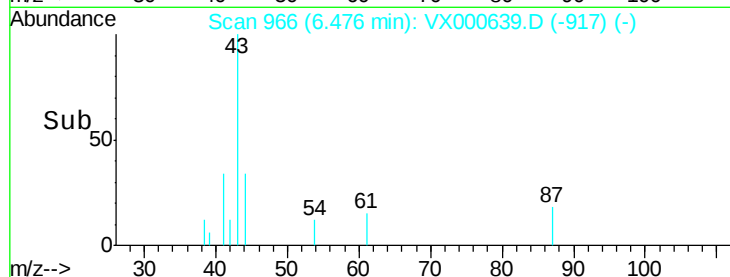
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#49

1,4-Dioxane

Concen: 0.72 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

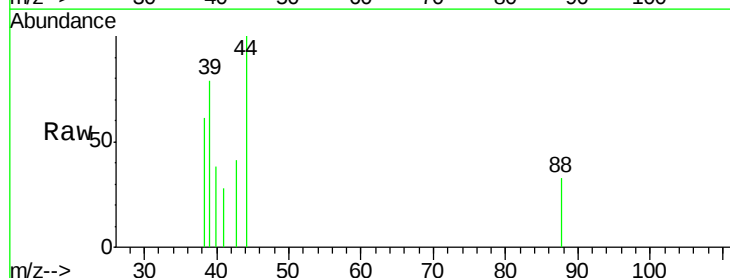
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 0.0 26.8 40.2#

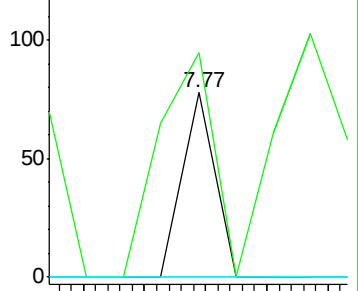
58 0.0 52.2 78.2#



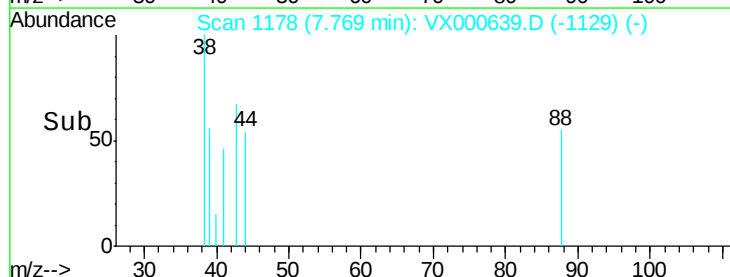
Abundance Ion 88.00 (87.70 to 88.70): VX0

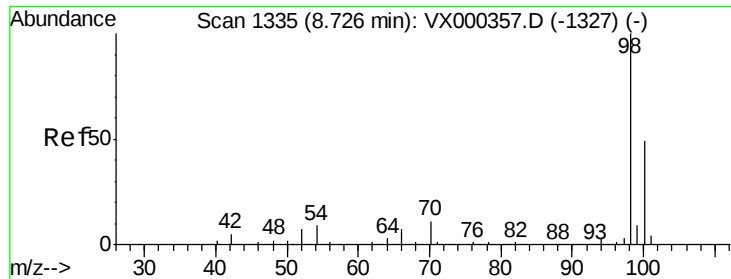
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

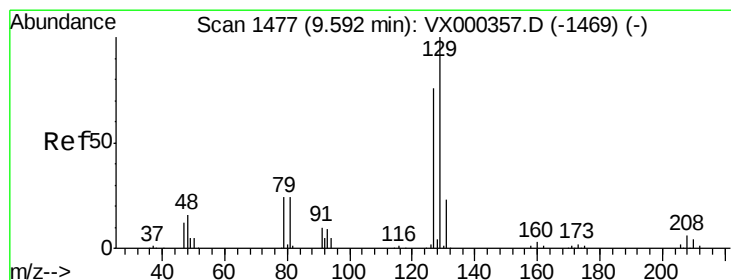
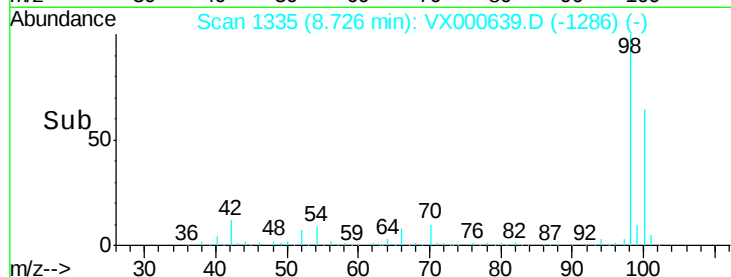
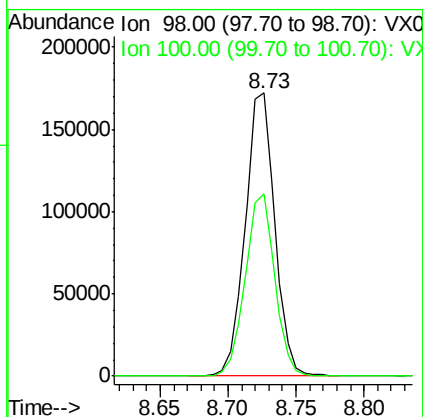
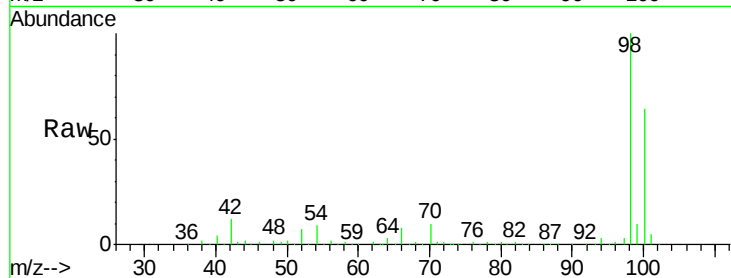




#50
Toluene-d8
Concen: 48.54 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

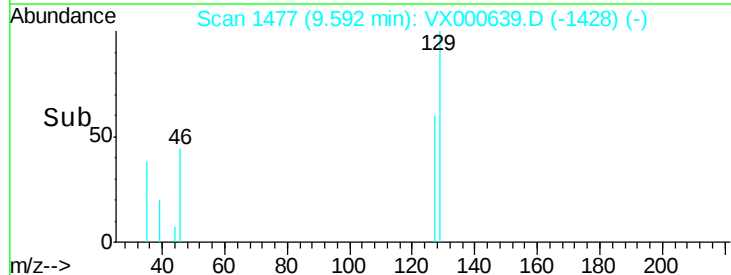
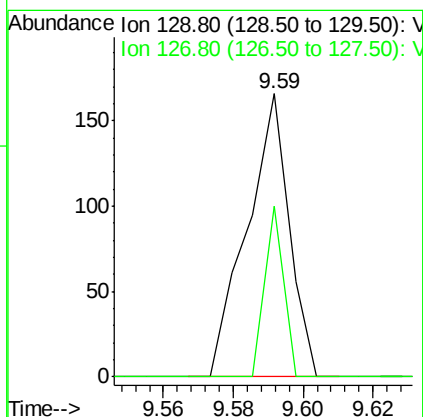
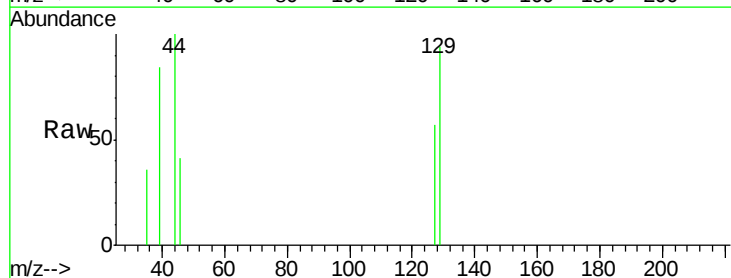
Instrument :
MSVOA_X
ClientSampled :
TP-3

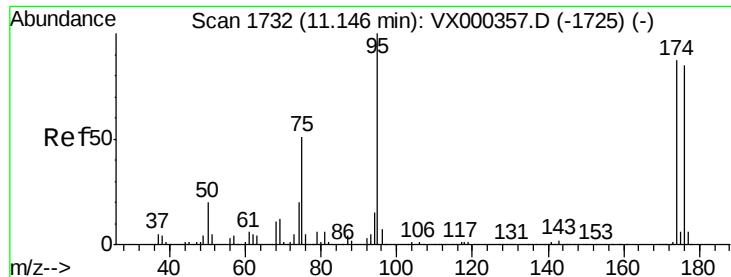
Tgt Ion: 98 Resp: 262608
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#60
Dibromochloromethane
Concen: 4.18 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Tgt Ion: 129 Resp: 138
Ion Ratio Lower Upper
129 100
127 26.8 37.9 113.6#

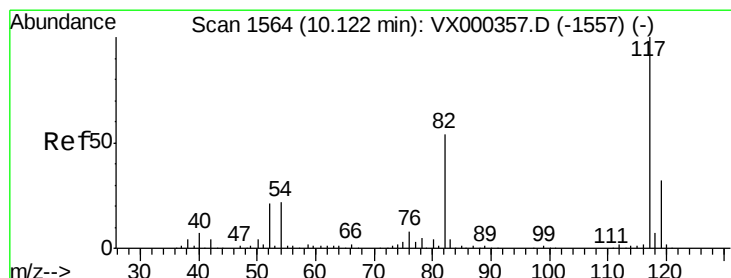
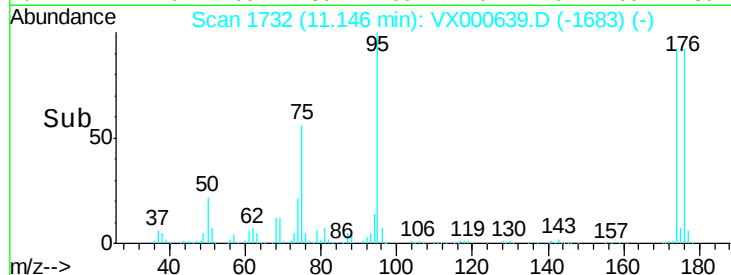
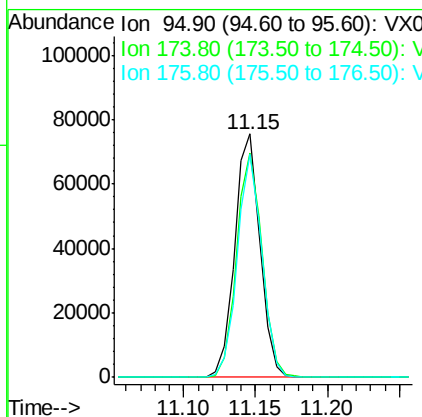
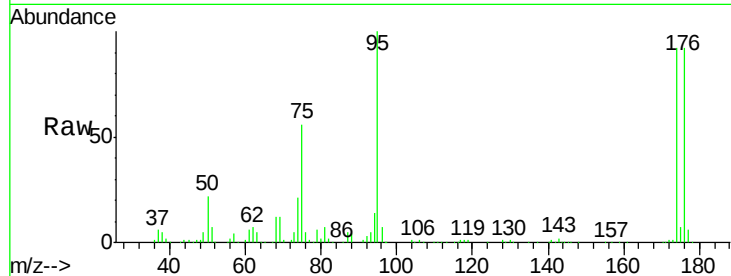




#62
4-Bromofluorobenzene
Concen: 41.70 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

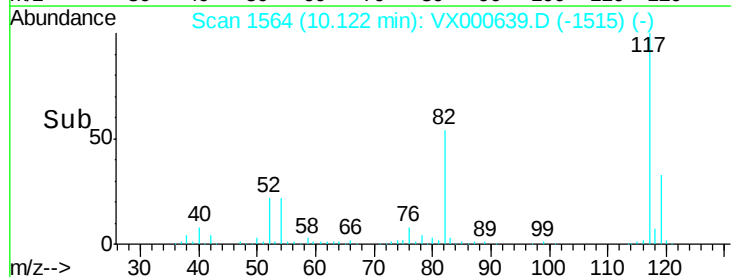
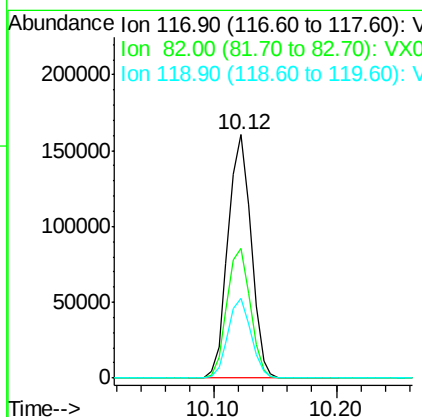
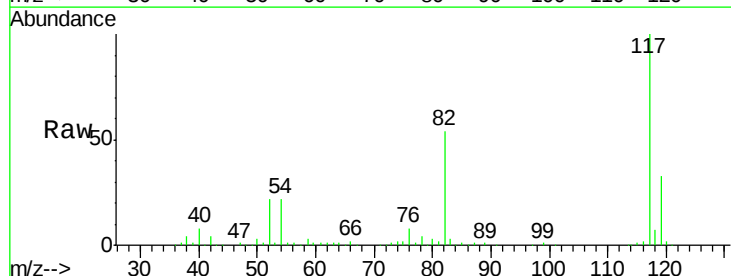
Instrument :
MSVOA_X
ClientSampled :
TP-3

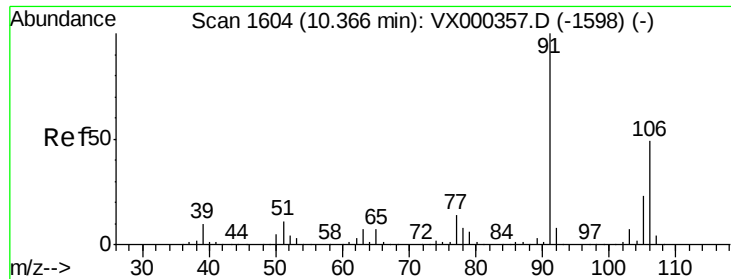
Tgt Ion: 95 Resp: 92654
Ion Ratio Lower Upper
95 100
174 92.5 0.0 173.6
176 88.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Tgt Ion: 117 Resp: 209983
Ion Ratio Lower Upper
117 100
82 53.5 43.8 65.8
119 32.7 24.9 37.3

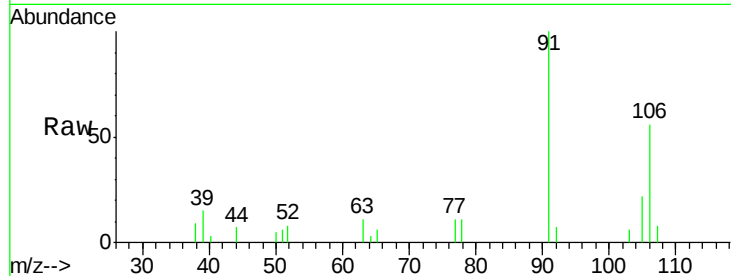




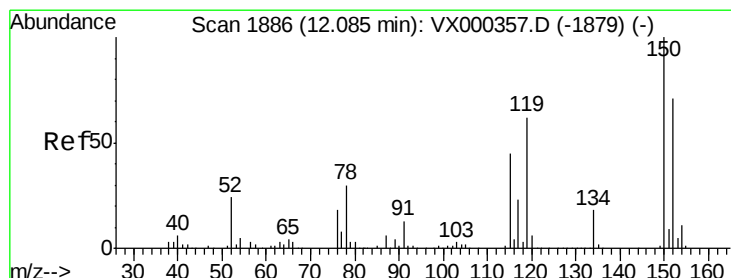
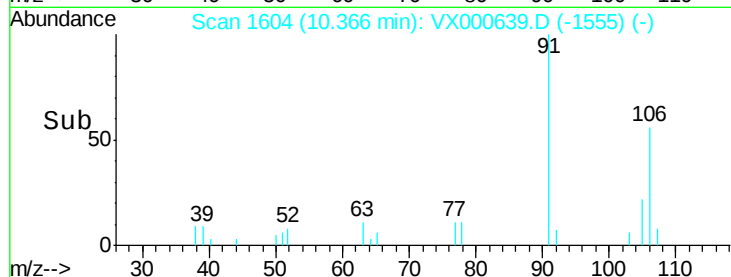
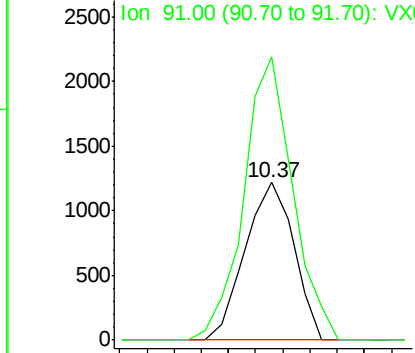
#68
m/p-Xylenes
Concen: 0.48 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Instrument :
MSVOA_X
ClientSampled :
TP-3

Tgt Ion:106 Resp: 1509
Ion Ratio Lower Upper
106 100
91 180.6 163.4 245.2

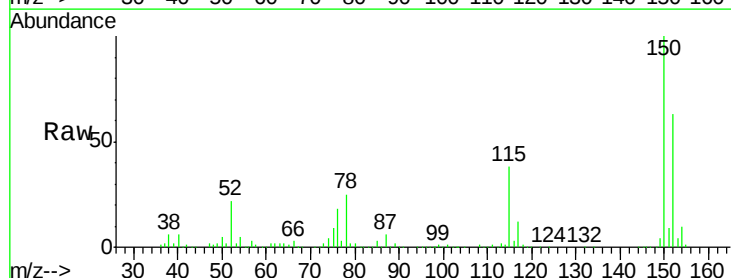


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

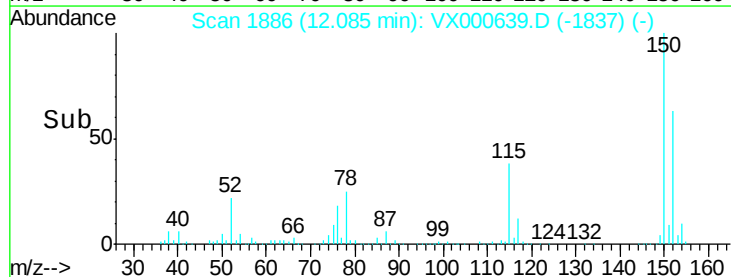
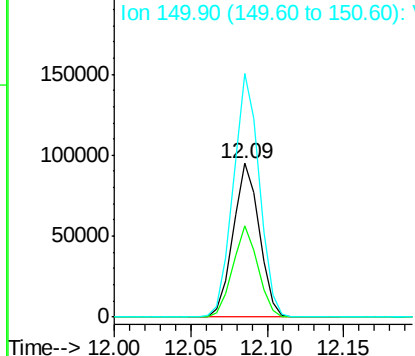


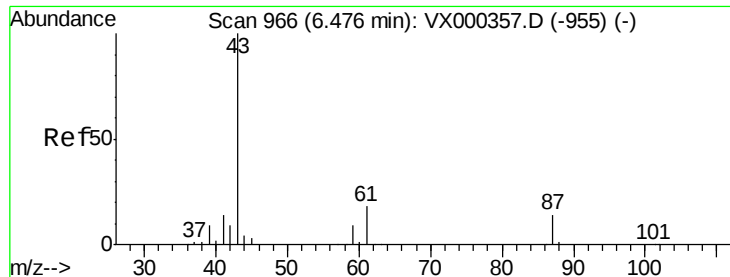
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000639.D
Acq: 02 Apr 2018 14:27

Tgt Ion:152 Resp: 112987
Ion Ratio Lower Upper
152 100
115 56.9 39.8 119.3
150 156.7 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

TP-3

Tgt Ion: 43 Resp: 1245

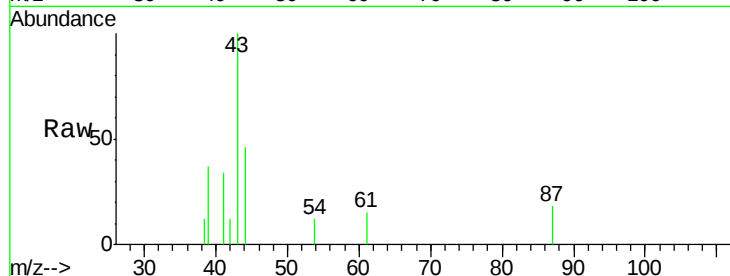
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 7.8 14.4 21.6#

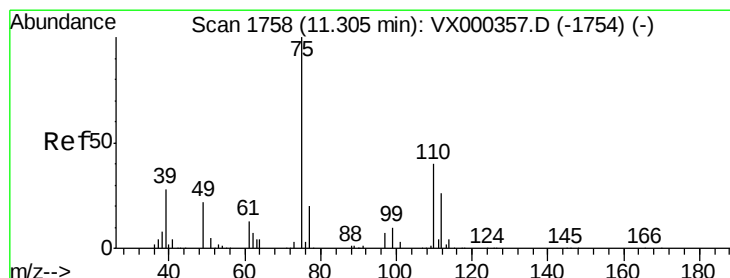
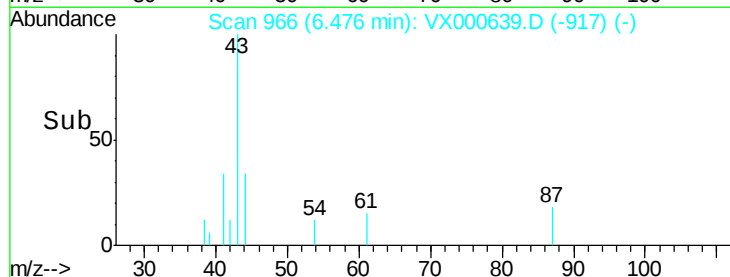
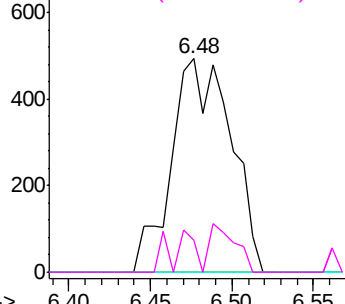


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.95 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000639.D

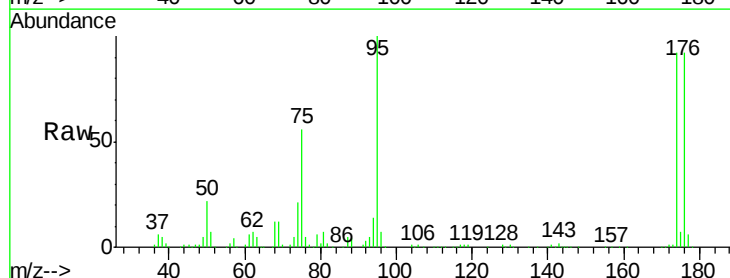
Acq: 02 Apr 2018 14:27

Tgt Ion: 75 Resp: 53296

Ion Ratio Lower Upper

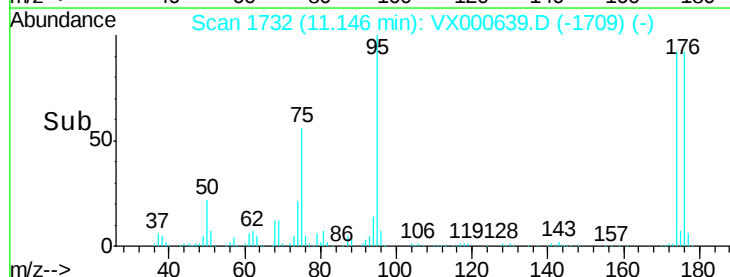
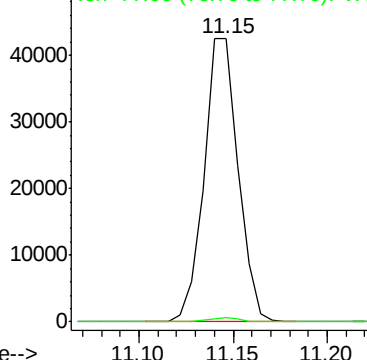
75 100

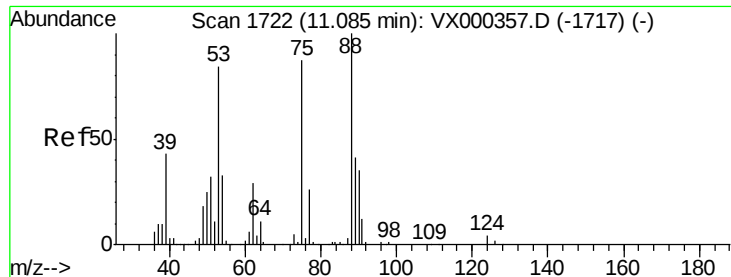
77 1.4 21.4 64.2#



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: 71.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampled :

TP-3

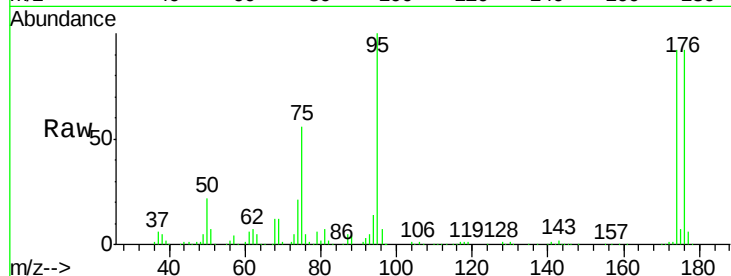
Tgt Ion: 75 Resp: 53296

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

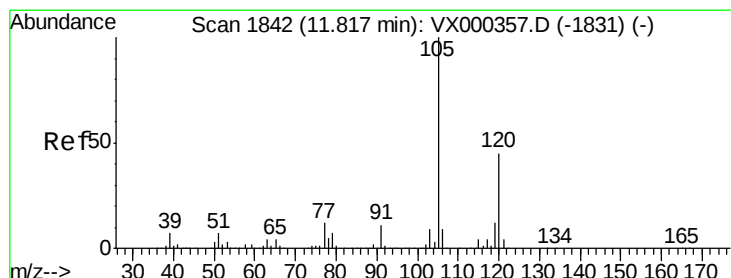
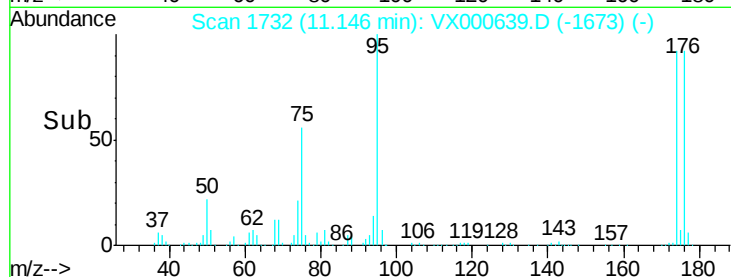
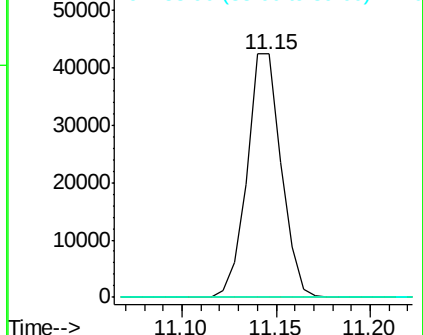
89 0.0 39.4 59.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.31 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000639.D

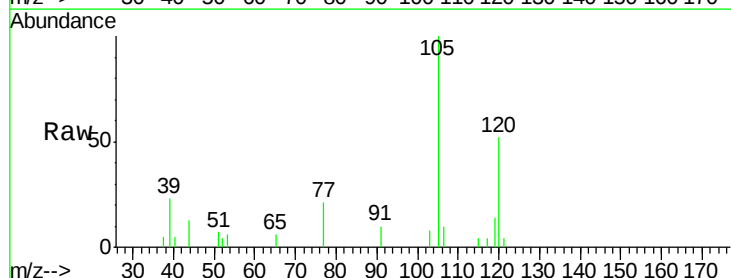
Acq: 02 Apr 2018 14:27

Tgt Ion: 105 Resp: 2037

Ion Ratio Lower Upper

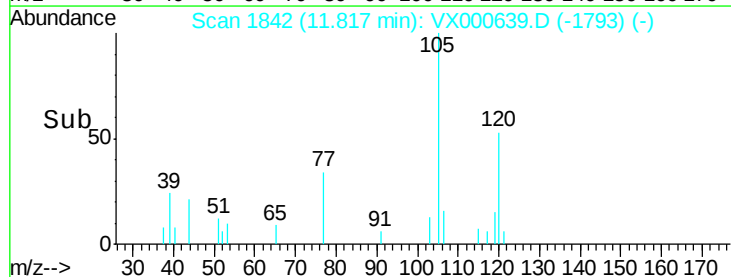
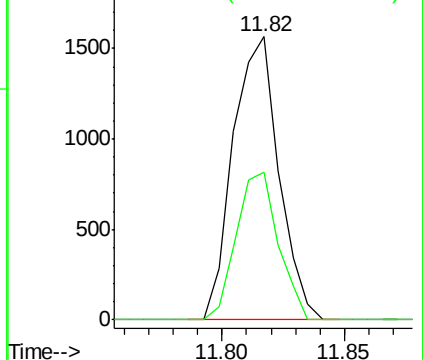
105 100

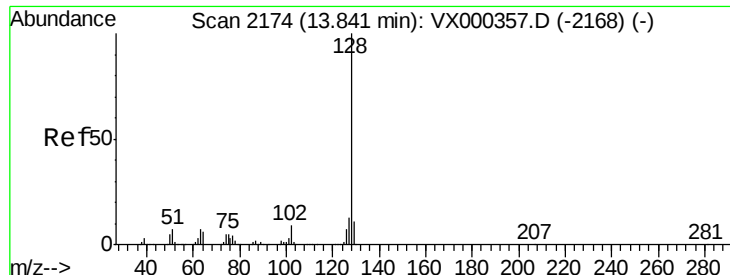
120 47.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.49 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000639.D

Acq: 02 Apr 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

TP-3

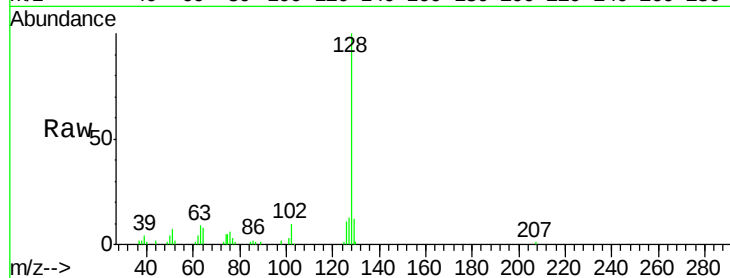
Tgt Ion:128 Resp: 13770

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

129 9.7 8.9 13.3



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

