

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
 Data File : VX000475.D
 Acq On : 27 Mar 2018 22:27
 Operator : JC/MD
 Sample : J2071-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7-DB

Quant Time: Mar 28 06:56:50 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	108528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191041	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	95422	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	79865	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
35) Dibromofluoromethane	5.51	113	61983	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	8.73	98	239044	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.15	95	82086	40.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.66%	

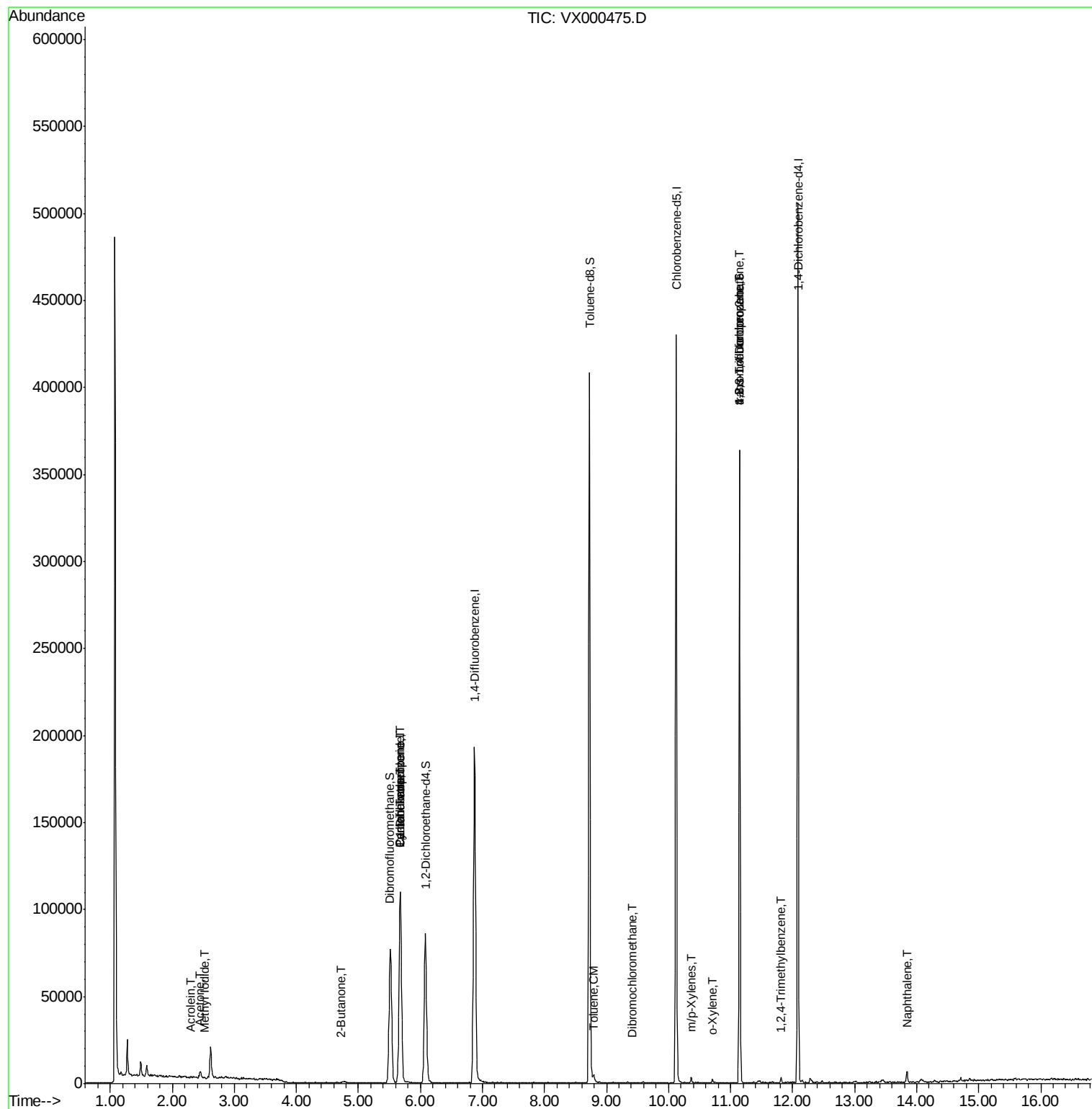
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	181	Below Cal	#	44
10) Methyl Iodide	2.52	142	46	4.31	ug/l #	37
13) Acrolein	2.29	56	27	14.74	ug/l #	1
14) Allyl chloride	2.73	41	142	Below Cal	#	6
16) Acetone	2.45	43	4081	3.46	ug/l	100
25) 2-Butanone	4.72	43	447	0.34	ug/l #	88
31) Cyclohexane	5.67	56	1407	0.79	ug/l #	33
36) 1,1-Dichloropropene	5.68	75	8206	4.59	ug/l #	50
38) Carbon Tetrachloride	5.67	117	10351	5.51	ug/l #	16
52) Toluene	8.79	92	985	0.27	ug/l	80
60) Dibromochloromethane	9.42	129	30	4.13	ug/l #	12
68) m/p-Xylenes	10.36	106	793	0.29	ug/l	79
69) o-Xylene	10.71	106	556	0.21	ug/l	73
74) N-amyl acetate	6.55	43	19	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	47097	22.97	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	47097	74.35	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	1485	0.27	ug/l	98
95) Naphthalene	13.84	128	4533	0.58	ug/l	98

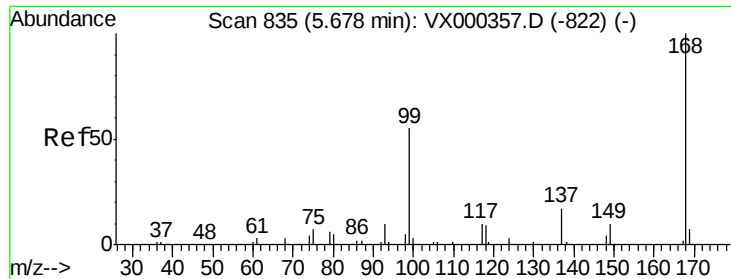
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

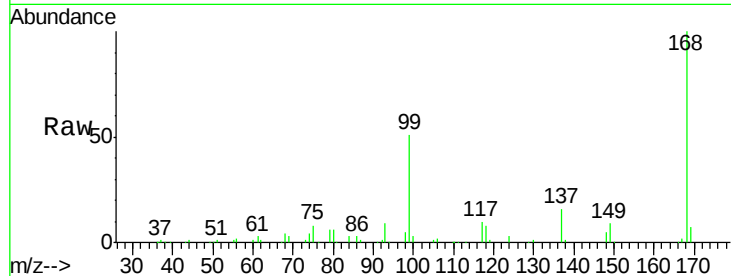
TP-7-DB

Tgt Ion:168 Resp: 108528

Ion Ratio Lower Upper

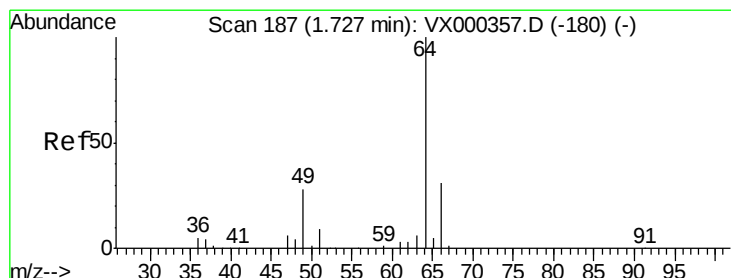
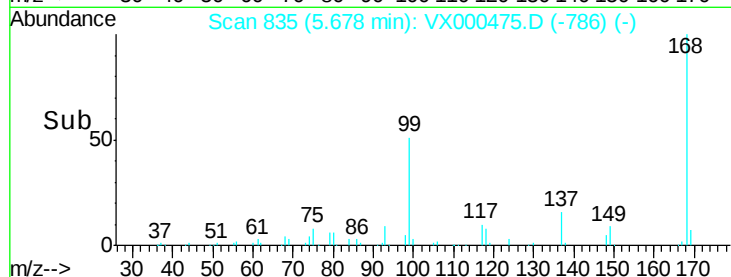
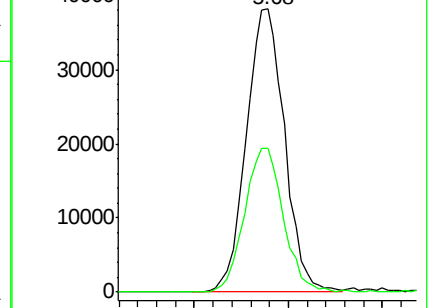
168 100

99 50.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000475.D

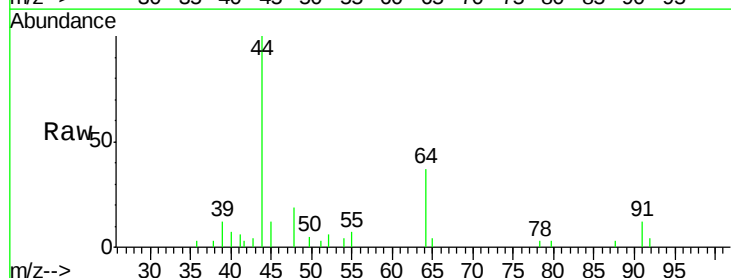
Acq: 27 Mar 2018 22:27

Tgt Ion: 64 Resp: 181

Ion Ratio Lower Upper

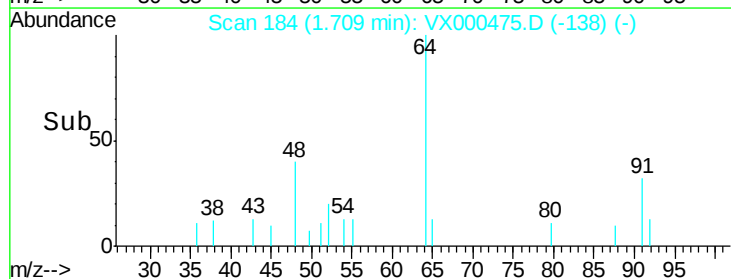
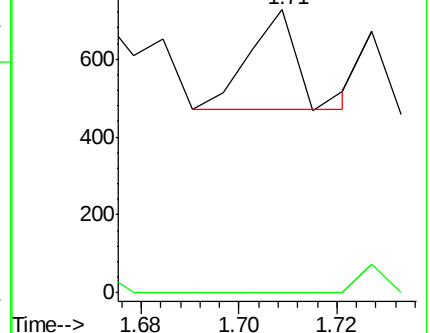
64 100

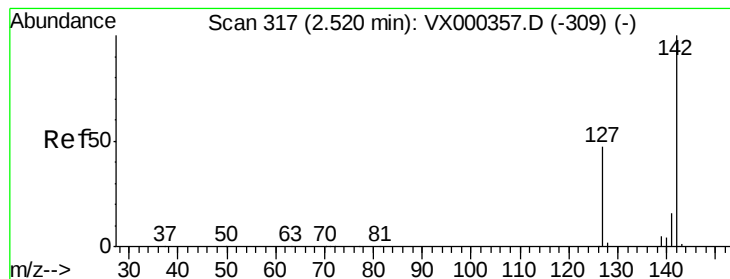
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 4.31 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

TP-7-DB

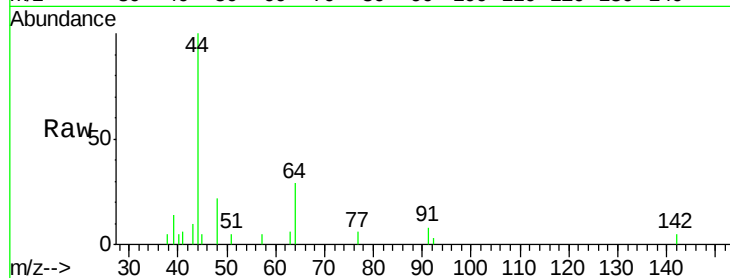
Tgt Ion: 142 Resp: 46

Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

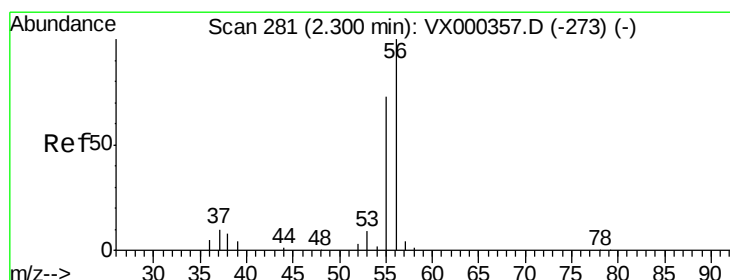
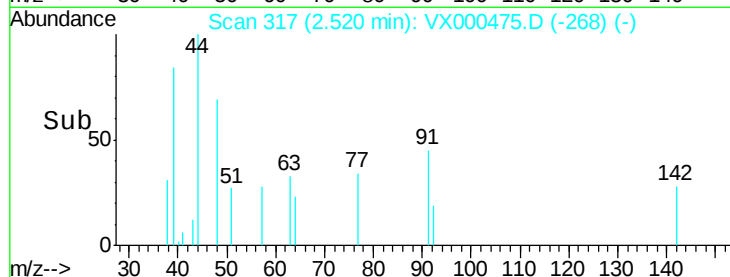
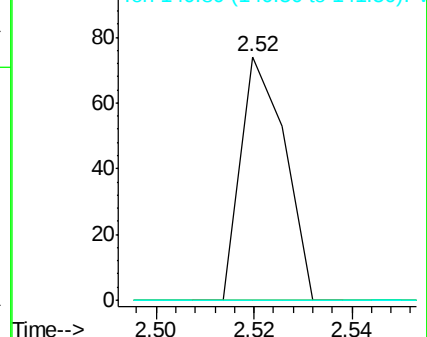
141 0.0 11.7 17.5#



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: 14.74 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000475.D

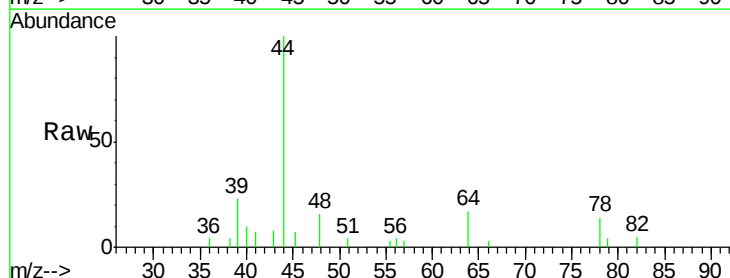
Acq: 27 Mar 2018 22:27

Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

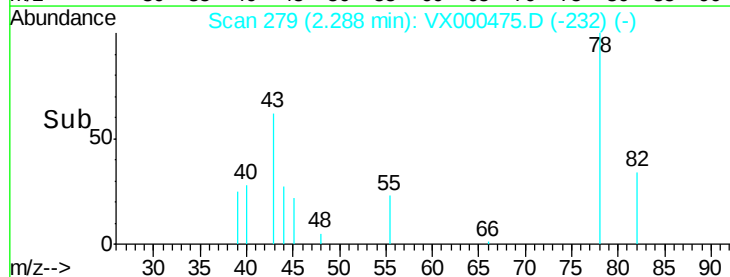
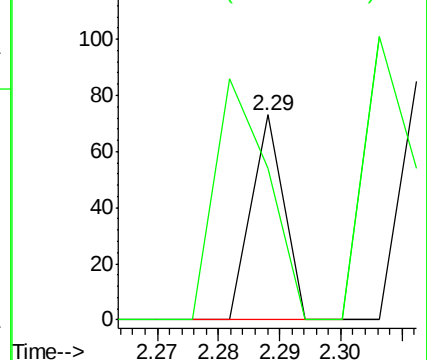
56 100

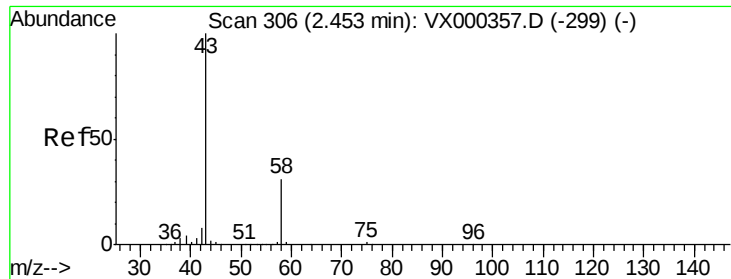
55 188.9 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.46 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

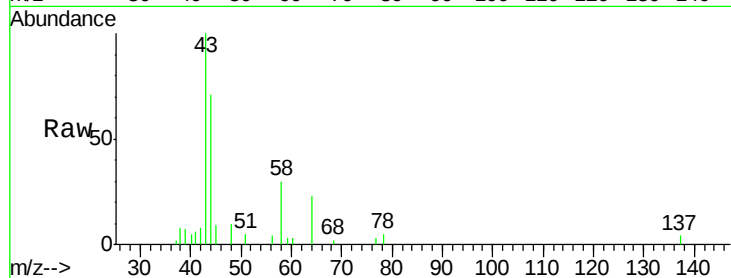
TP-7-DB

Tgt Ion: 43 Resp: 4081

Ion Ratio Lower Upper

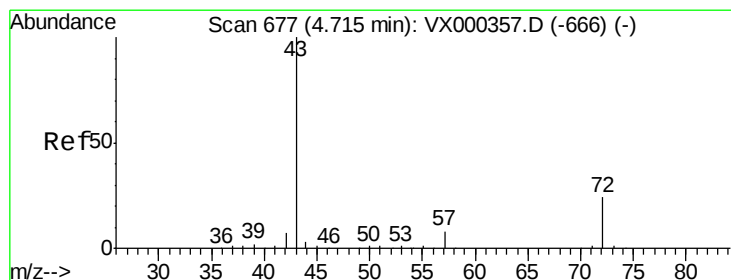
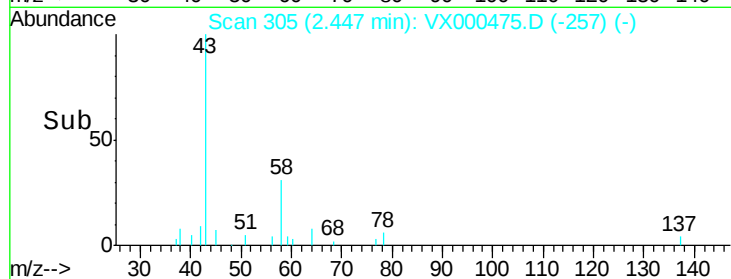
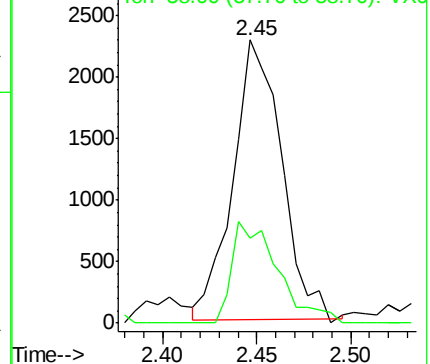
43 100

58 30.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.34 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000475.D

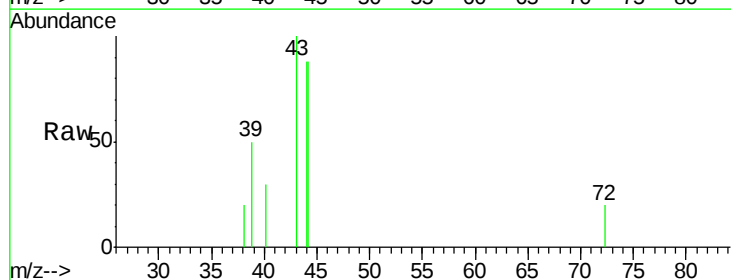
Acq: 27 Mar 2018 22:27

Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

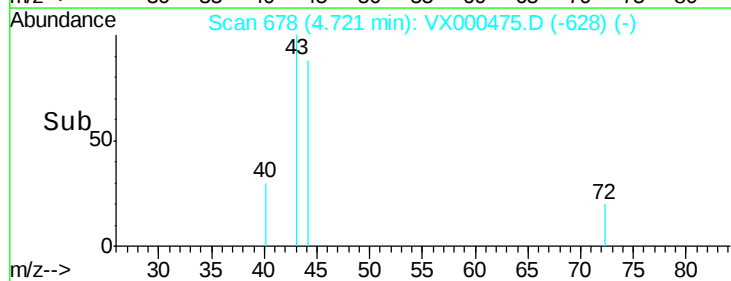
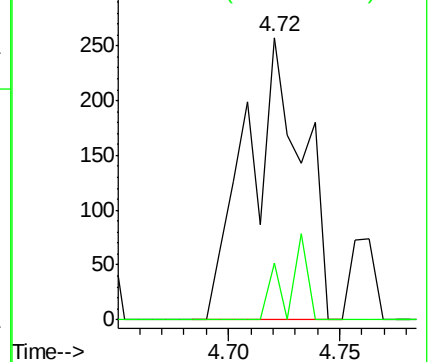
43 100

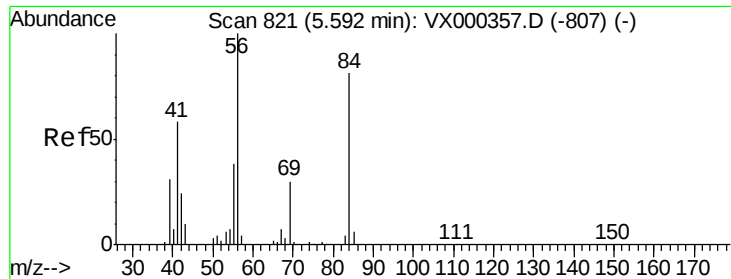
72 20.2 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

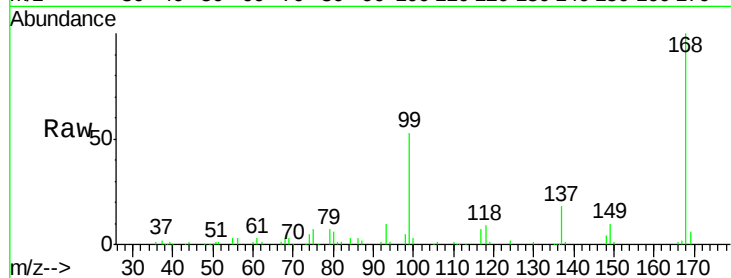




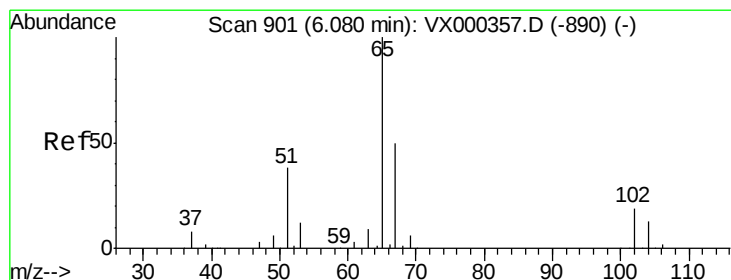
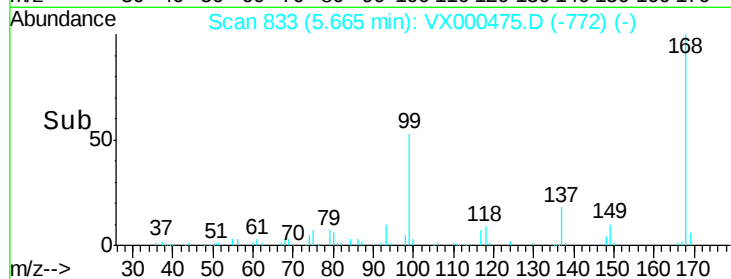
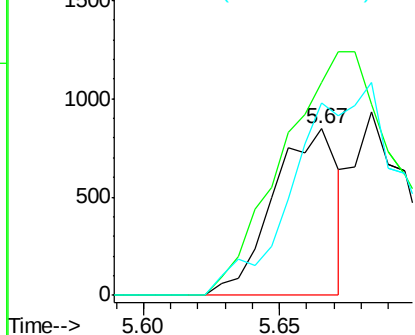
#31
Cyclohexane
Concen: 0.79 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

Instrument :
MSVOA_X
ClientSampled :
TP-7-DB

Tgt Ion: 56 Resp: 1407
Ion Ratio Lower Upper
56 100
69 127.9 23.4 35.0#
84 115.5 71.0 106.4#

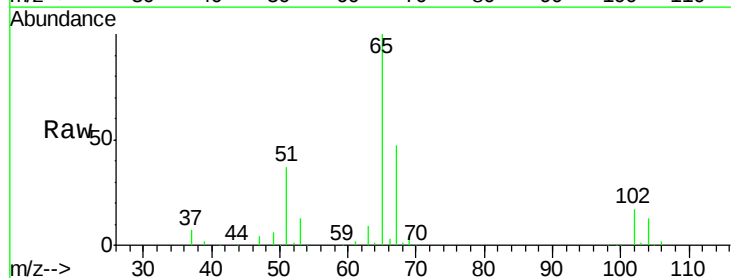


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

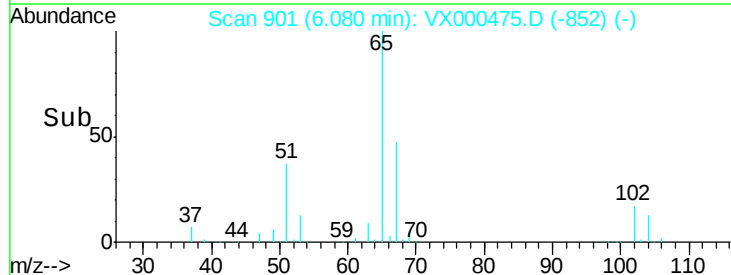
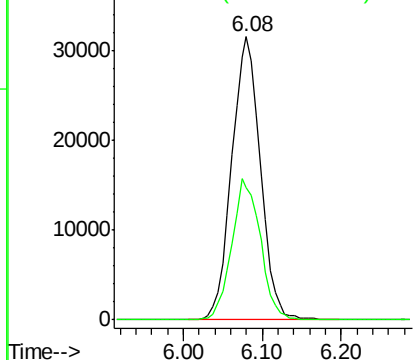


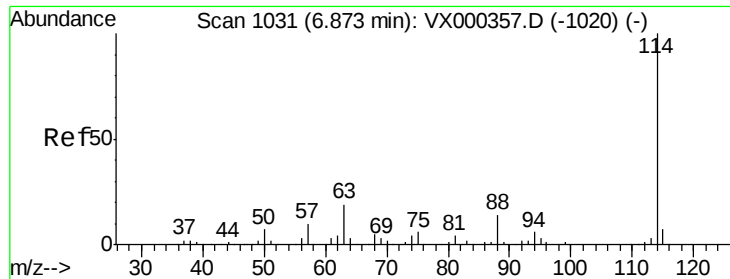
#33
1,2-Dichloroethane-d4
Concen: 56.38 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

Tgt Ion: 65 Resp: 79865
Ion Ratio Lower Upper
65 100
67 49.9 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: VX000475.D

Acq: 27 Mar 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

TP-7-DB

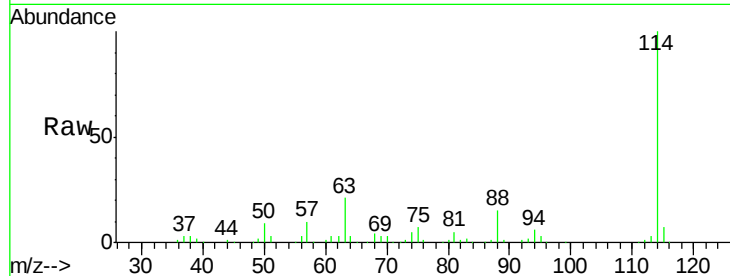
Tgt Ion:114 Resp: 191041

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

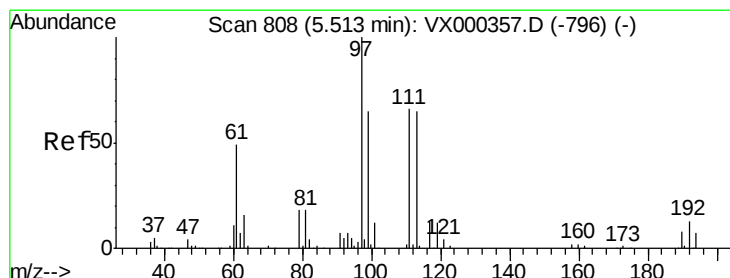
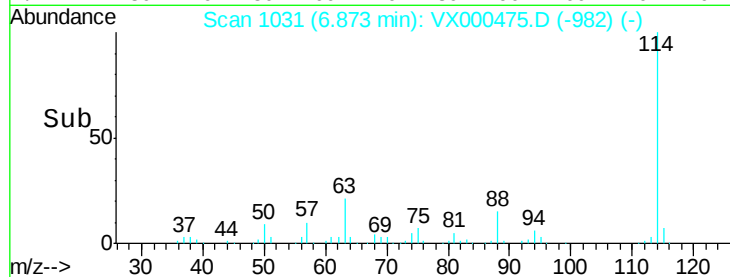
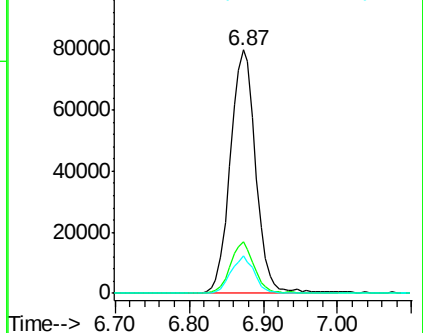
88 15.3 0.0 27.0



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: 51.49 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

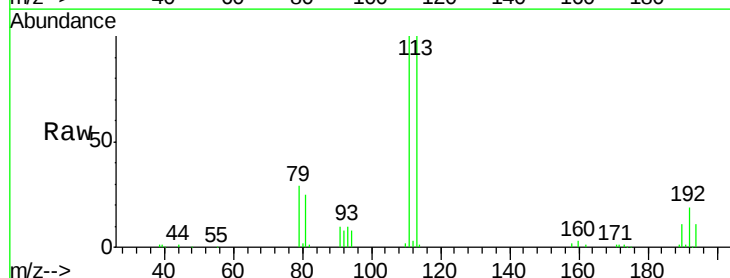
Tgt Ion:113 Resp: 61983

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

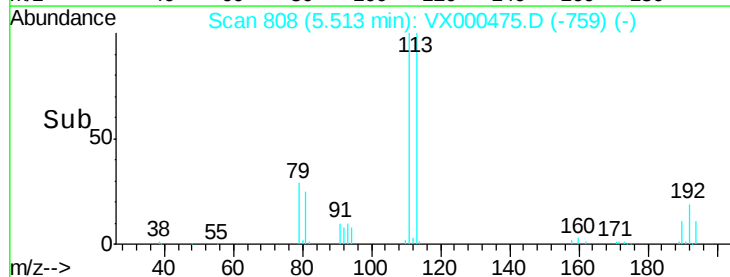
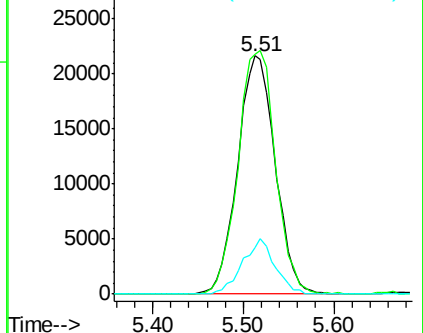
192 20.0 15.8 23.6

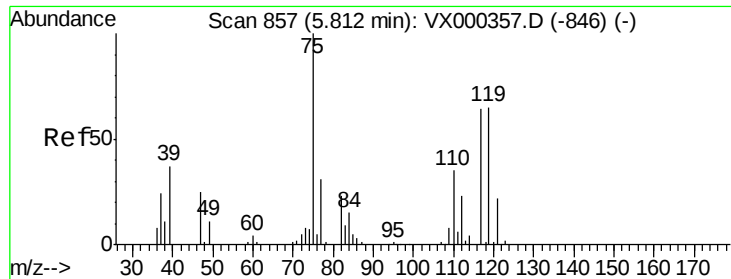


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

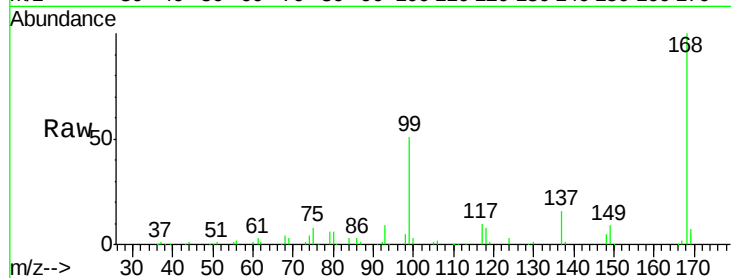




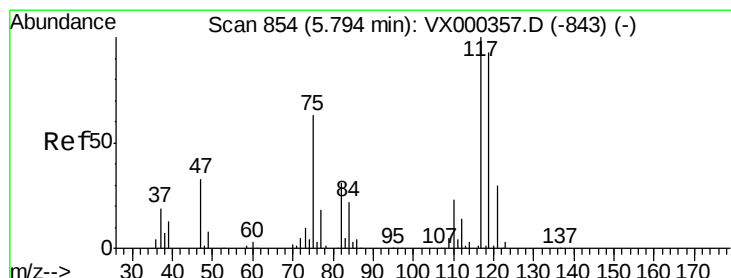
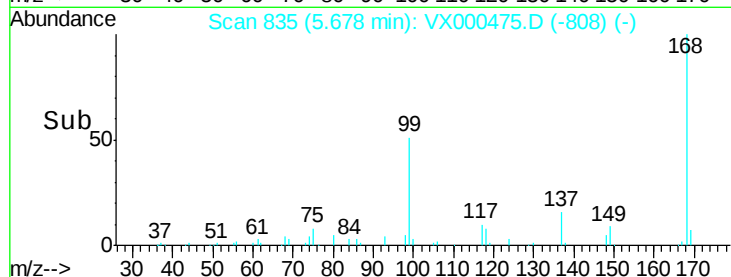
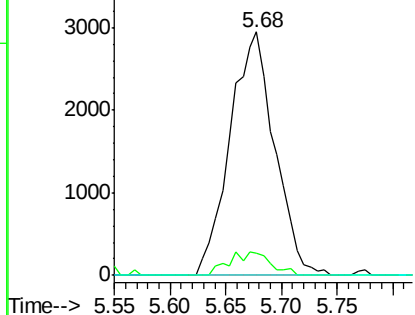
#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000475.D
 Acq: 27 Mar 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7-DB

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.9	53.7#
77	0.0	24.0	36.0#

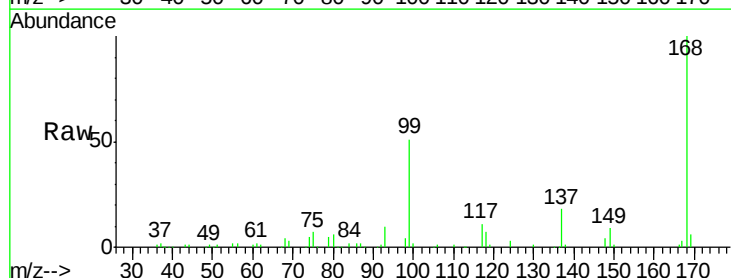


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

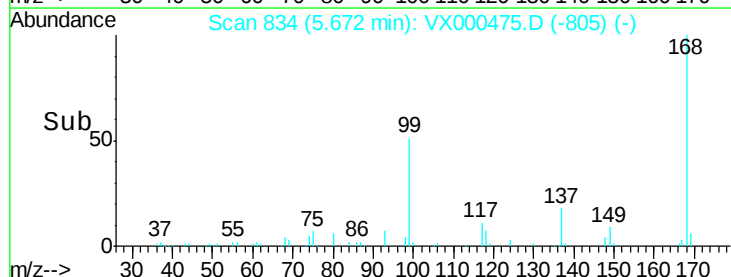
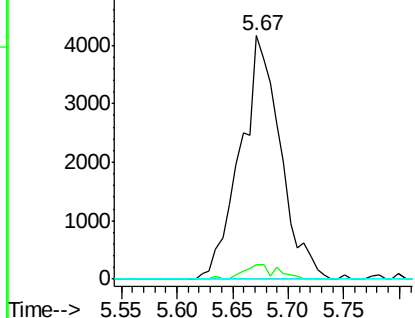


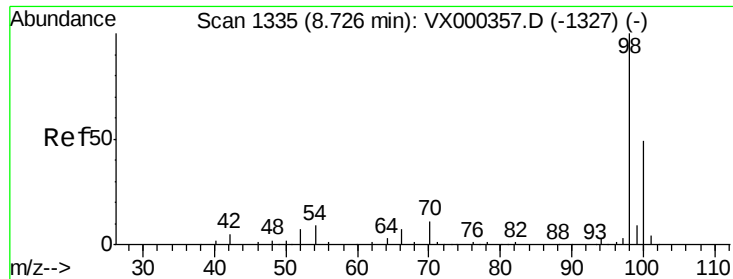
#38
 Carbon Tetrachloride
 Concen: 5.51 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000475.D
 Acq: 27 Mar 2018 22:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	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

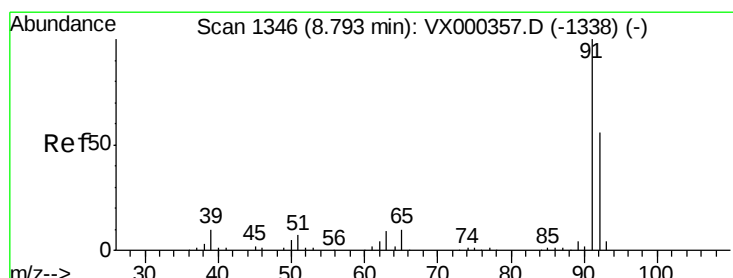
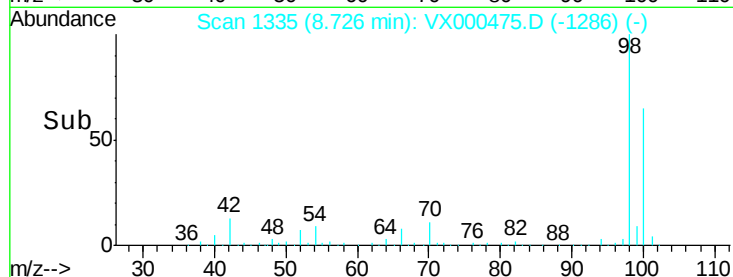
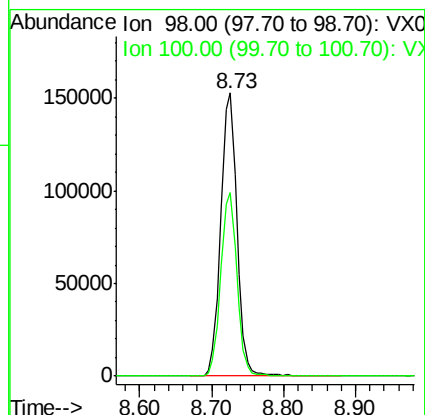
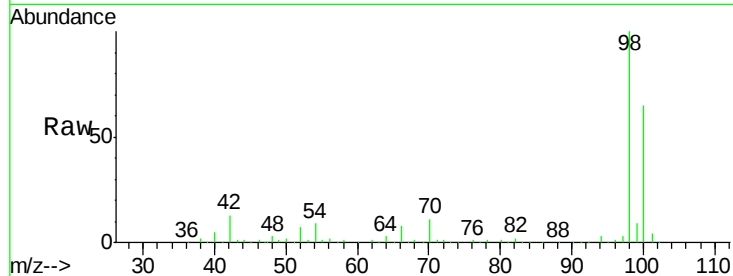




#50
Toluene-d8
Concen: 47.95 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

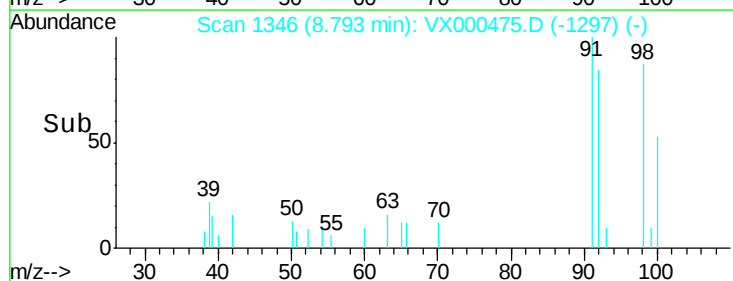
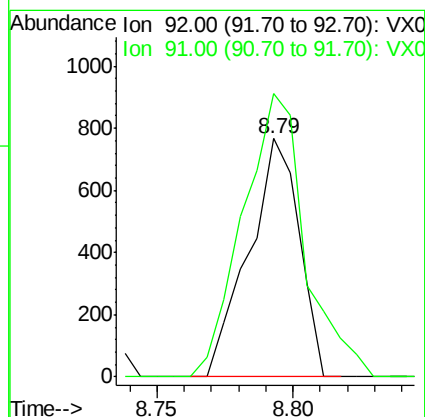
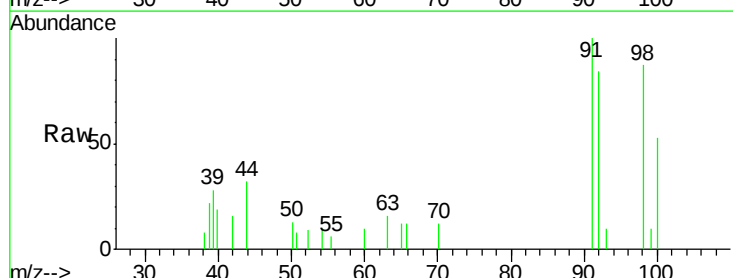
Instrument :
MSVOA_X
ClientSampleId :
TP-7-DB

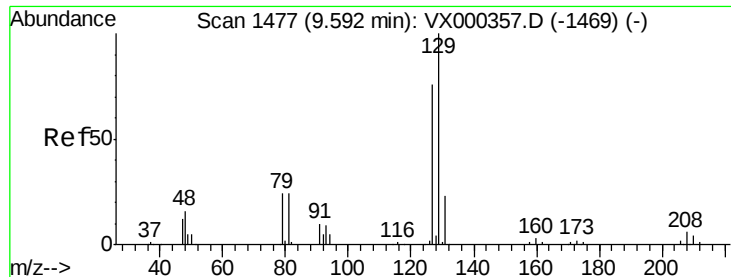
Tgt Ion: 98 Resp: 239044
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#52
Toluene
Concen: 0.27 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

Tgt Ion: 92 Resp: 985
Ion Ratio Lower Upper
92 100
91 146.6 140.2 210.2





#60

Dibromochloromethane

Concen: 4.13 ug/l

RT: 9.42 min Scan# 1449

Delta R.T. -0.17 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

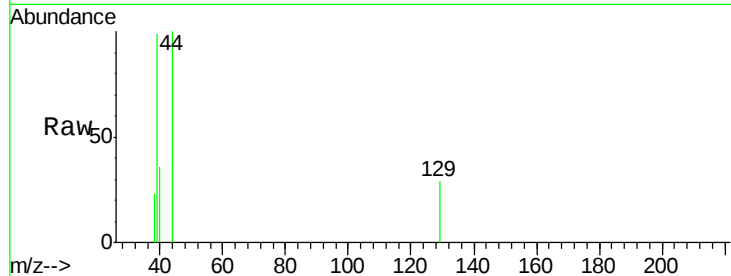
TP-7-DB

Tgt Ion:129 Resp: 30

Ion Ratio Lower Upper

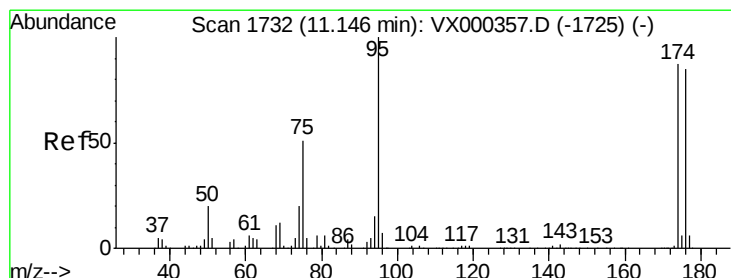
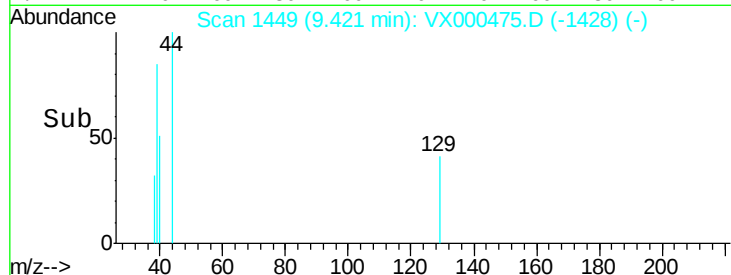
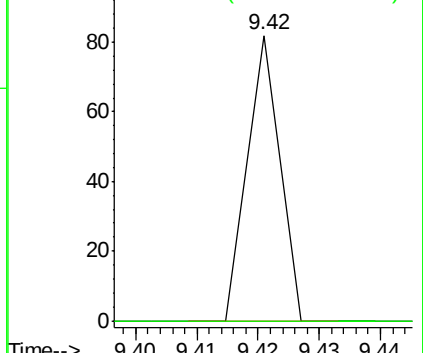
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 40.33 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

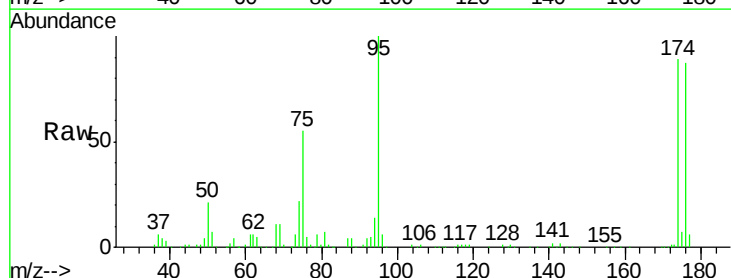
Tgt Ion: 95 Resp: 82086

Ion Ratio Lower Upper

95 100

174 89.9 0.0 173.6

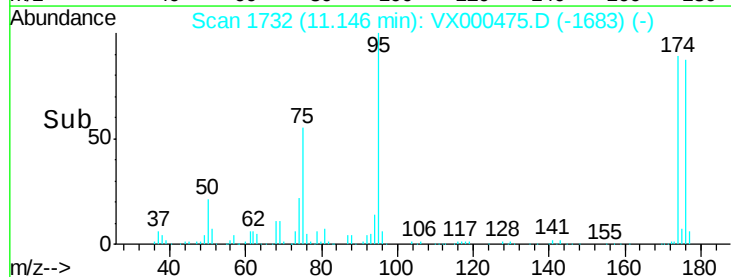
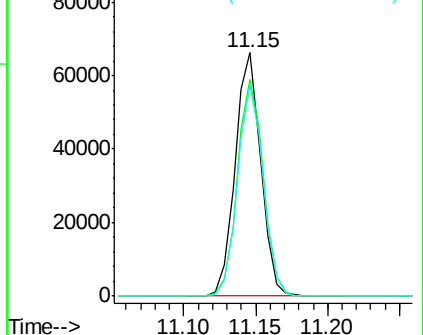
176 86.3 0.0 164.6

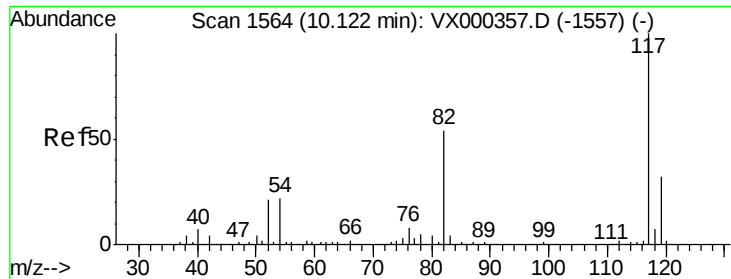


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

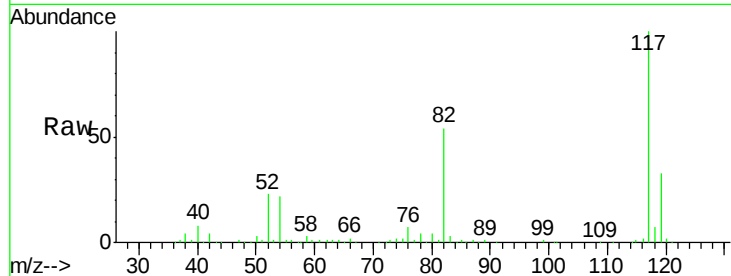




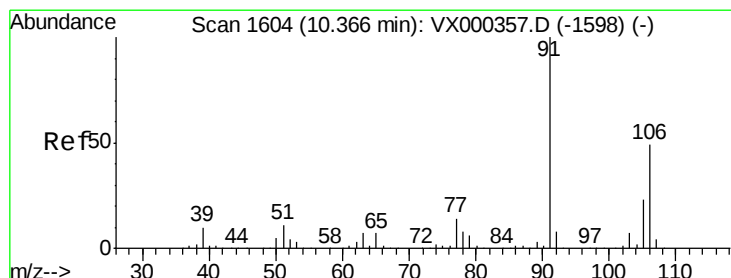
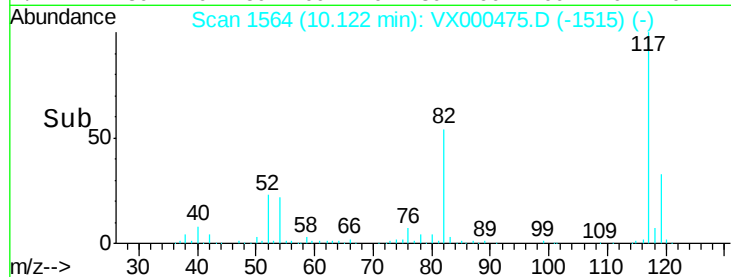
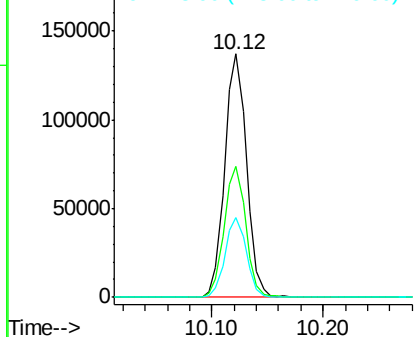
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

Instrument :
MSVOA_X
ClientSampled :
TP-7-DB

Tgt Ion:117 Resp: 185829
Ion Ratio Lower Upper
117 100
82 53.7 43.8 65.8
119 32.6 24.9 37.3

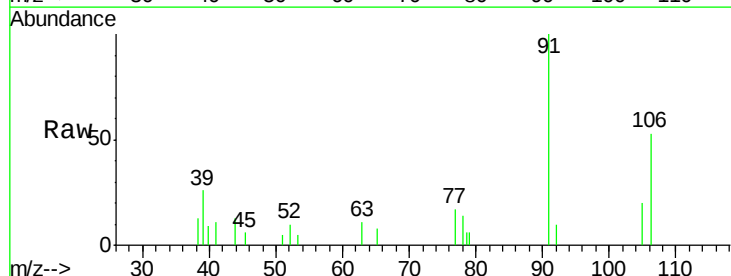


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

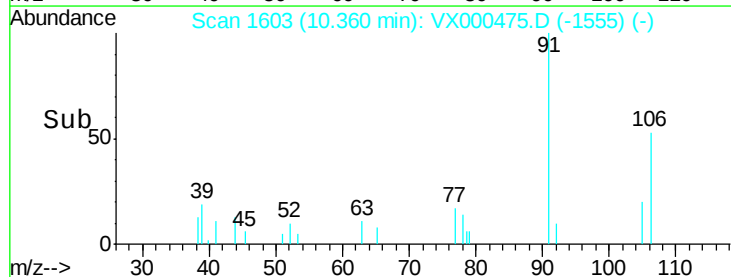
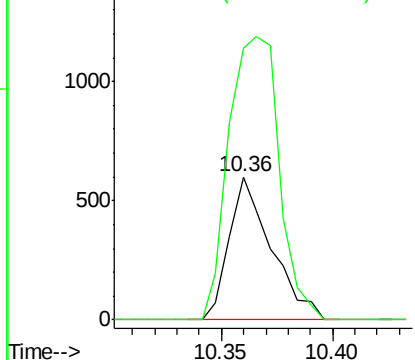


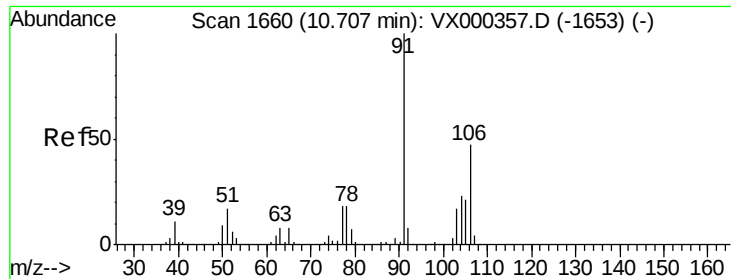
#68
m/p-Xylenes
Concen: 0.29 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

Tgt Ion:106 Resp: 793
Ion Ratio Lower Upper
106 100
91 236.3 163.4 245.2



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

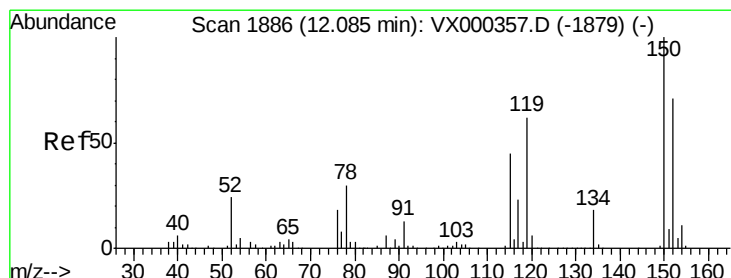
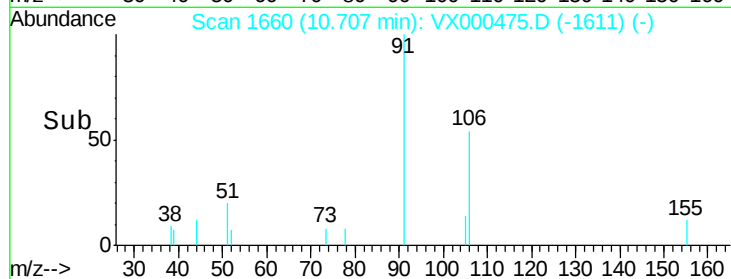
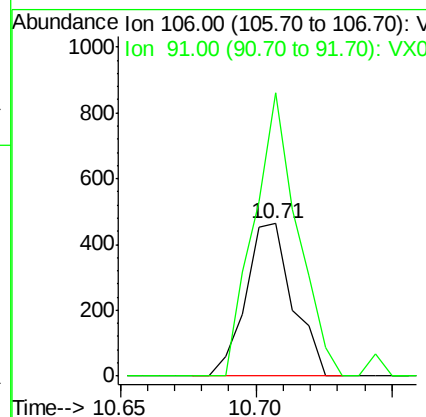
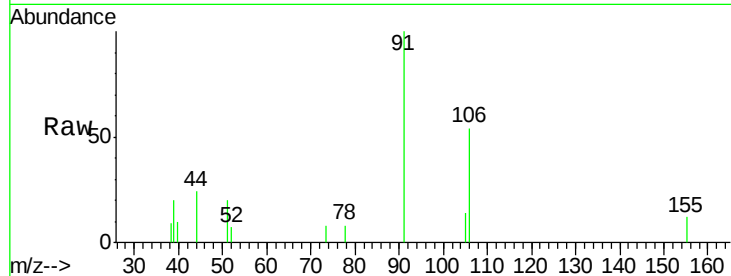




#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

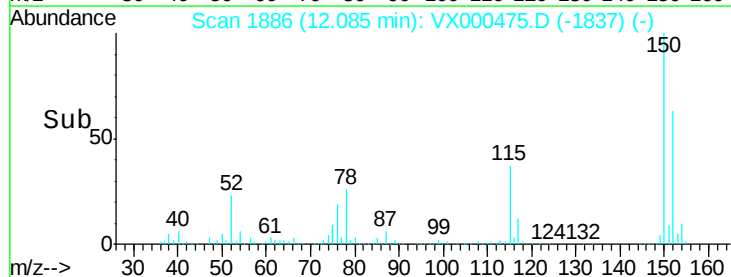
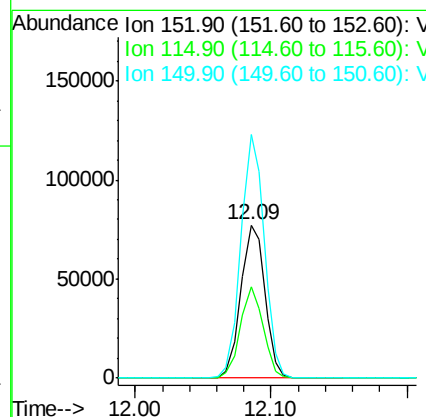
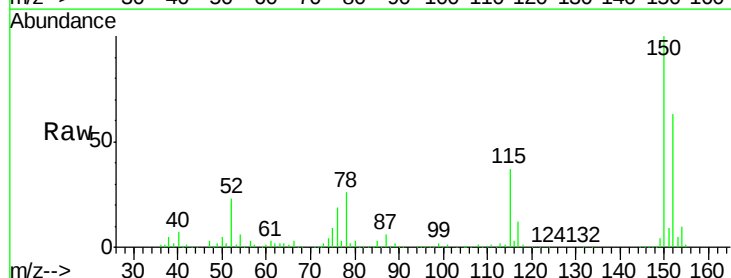
Instrument :
MSVOA_X
ClientSampleId :
TP-7-DB

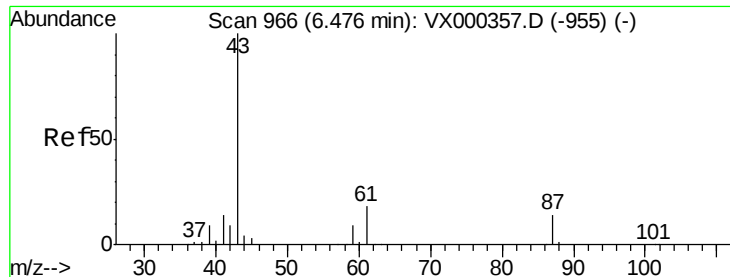
Tgt Ion:106 Resp: 556
Ion Ratio Lower Upper
106 100
91 171.2 106.5 319.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000475.D
Acq: 27 Mar 2018 22:27

Tgt Ion:152 Resp: 95422
Ion Ratio Lower Upper
152 100
115 56.3 39.8 119.3
150 154.7 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.55 min Scan# 978

Delta R.T. 0.07 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

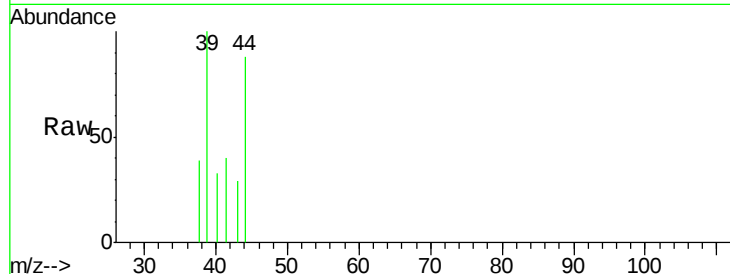
Instrument :

MSVOA_X

ClientSampleId :

TP-7-DB

Tgt Ion:	43	Resp:	19
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#

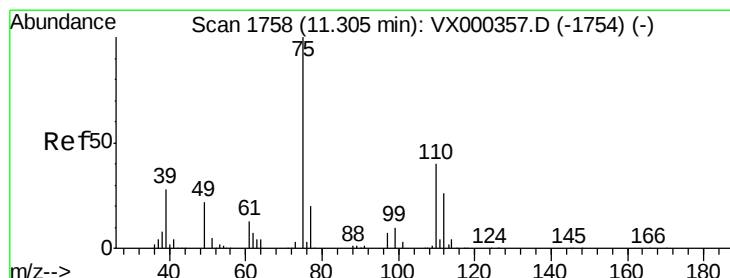
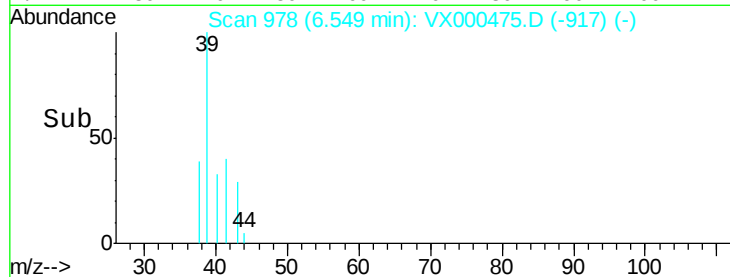
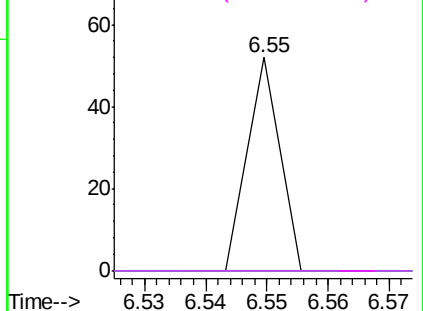


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.97 ug/l

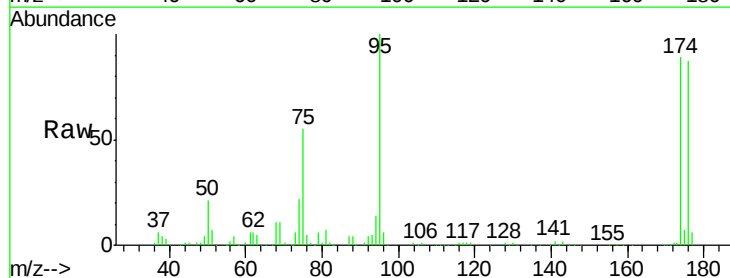
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000475.D

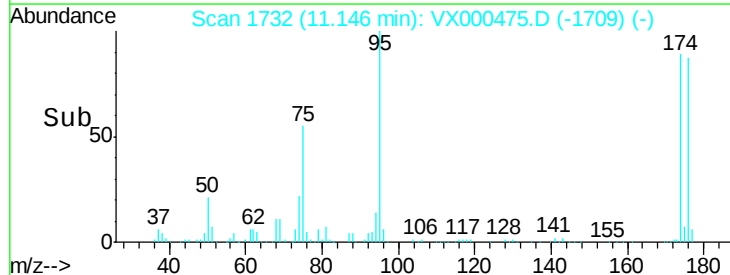
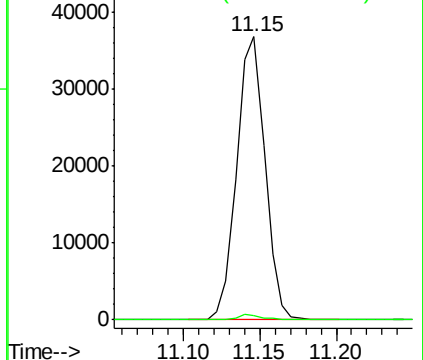
Acq: 27 Mar 2018 22:27

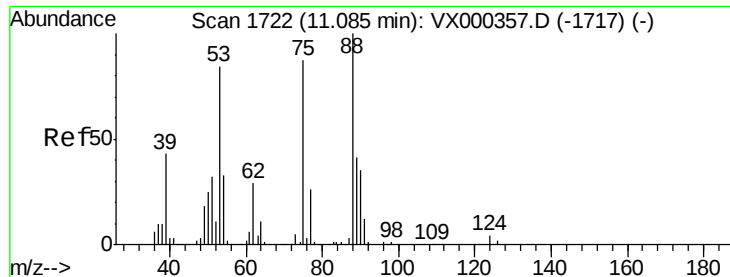
Tgt Ion:	75	Resp:	47097
Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.4	64.2#



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: 74.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

TP-7-DB

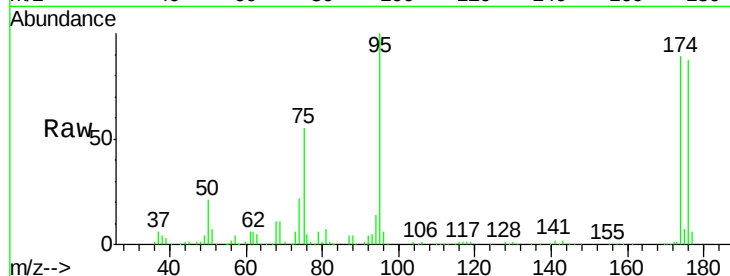
Tgt Ion: 75 Resp: 47097

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

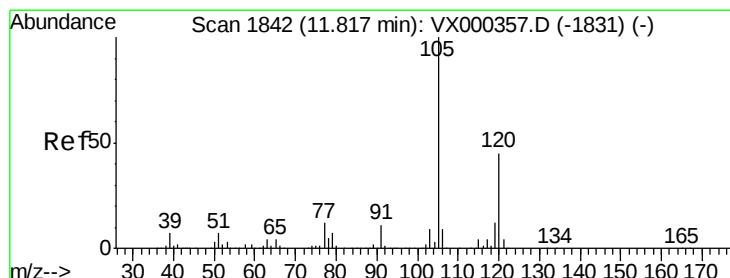
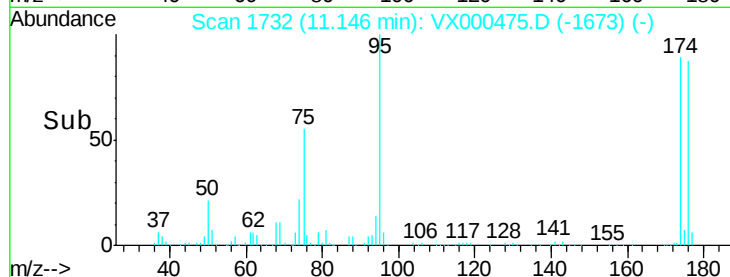
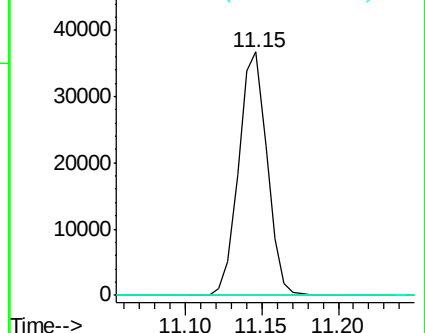
89 0.1 39.4 59.0#



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: 0.27 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX000475.D

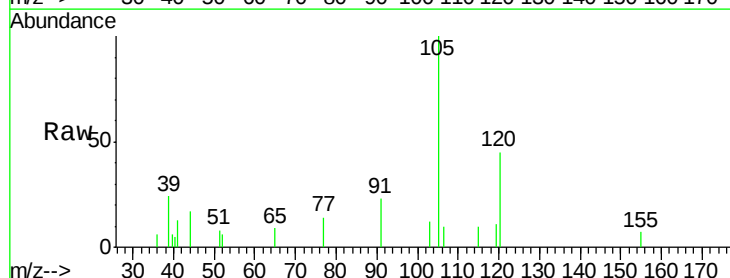
Acq: 27 Mar 2018 22:27

Tgt Ion:105 Resp: 1485

Ion Ratio Lower Upper

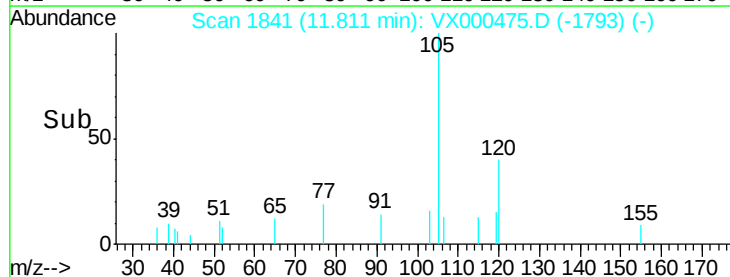
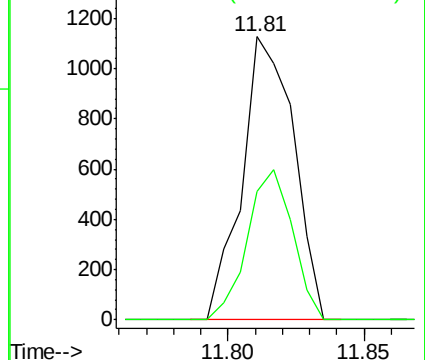
105 100

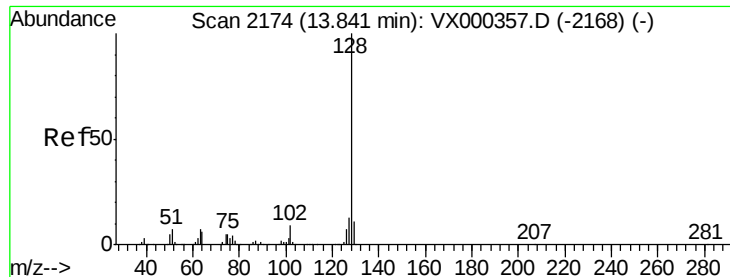
120 46.3 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 0.58 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000475.D

Acq: 27 Mar 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

TP-7-DB

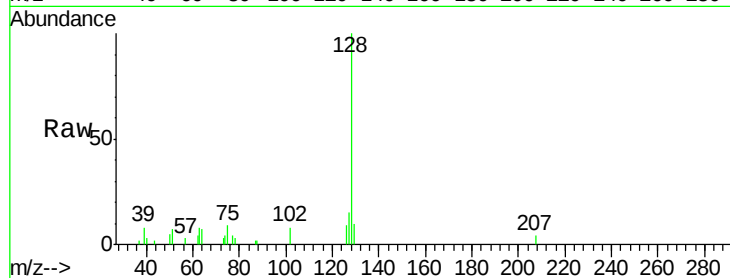
Tgt Ion:128 Resp: 4533

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 11.2 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

