

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000454.D
 Acq On : 26 Mar 2018 20:53
 Operator : JC/MD
 Sample : J2056-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22162-4-5-7-9-71-2

Quant Time: Mar 27 09:03:38 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	105107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	185335	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	176659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	86441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	75978	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	5.51	113	60538	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	8.73	98	233795	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.15	95	77200	39.29	ug/l	0.00
Spiked Amount			Recovery	=	78.58%	

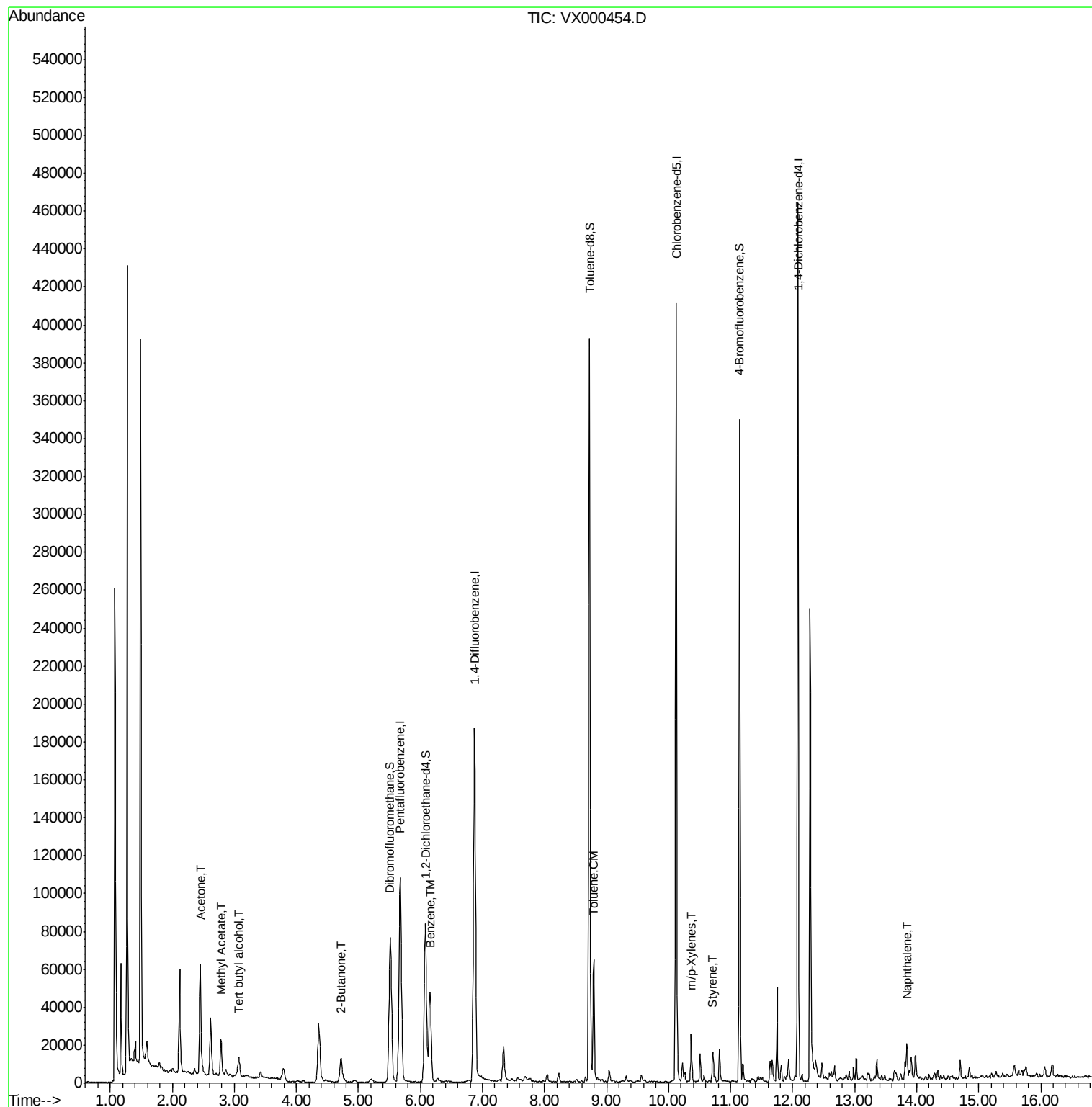
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	12693	26.90	ug/l	# 94
16) Acetone	2.45	43	64177	56.23	ug/l	97
18) Methyl Acetate	2.78	43	21218	8.87	ug/l	99
25) 2-Butanone	4.72	43	22057	17.19	ug/l	98
40) Benzene	6.15	78	56572	11.22	ug/l	99
52) Toluene	8.79	92	22379	6.35	ug/l	97
68) m/p-Xylenes	10.37	106	5108	1.95	ug/l	99
70) Styrene	10.72	104	4334	1.03	ug/l	97
95) Naphthalene	13.84	128	10270	1.45	ug/l	97

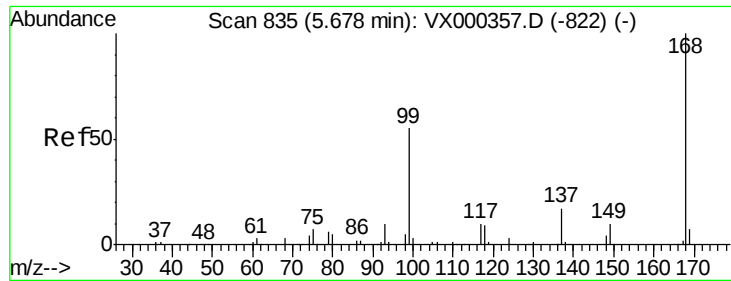
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX000454.D

Acq: 26 Mar 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

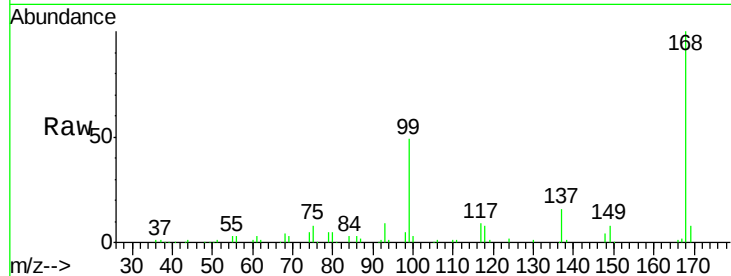
22162-4-5-7-9-71-2

Tot Ion:168 Resp: 105107

Ion Ratio Lower Upper

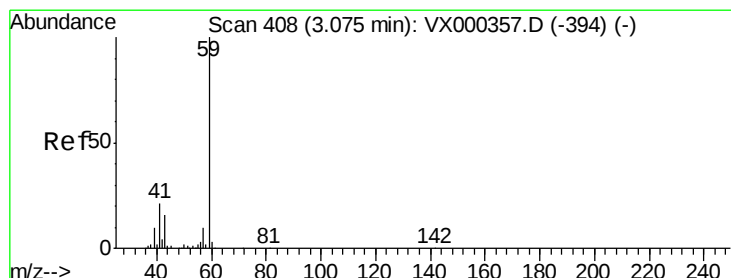
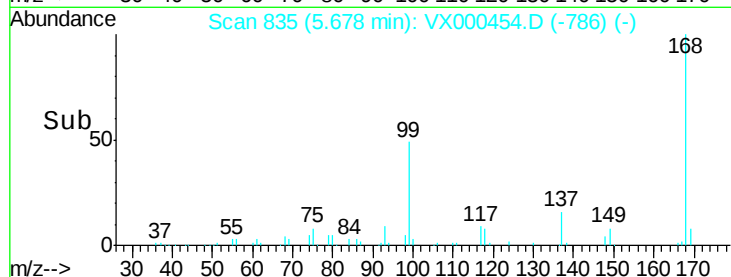
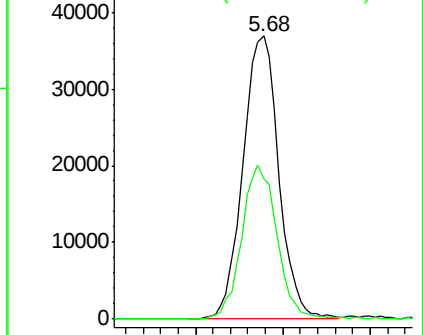
168 100

99 49.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 26.90 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000454.D

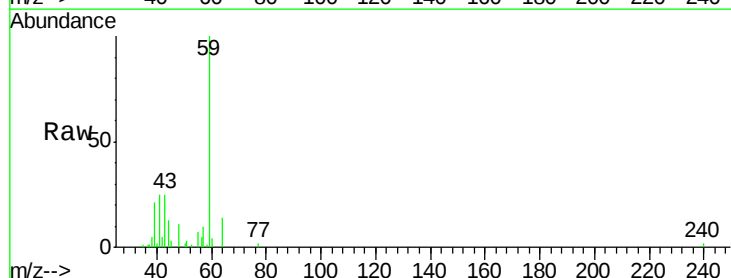
Acq: 26 Mar 2018 20:53

Tgt Ion: 59 Resp: 12693

Ion Ratio Lower Upper

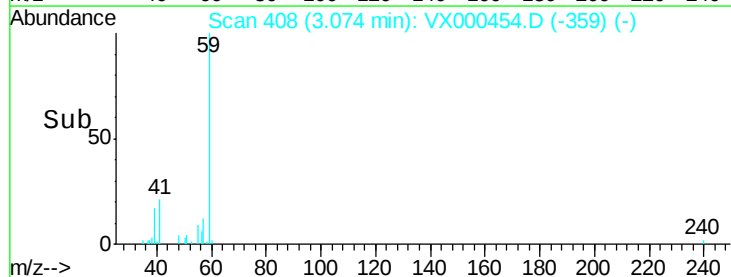
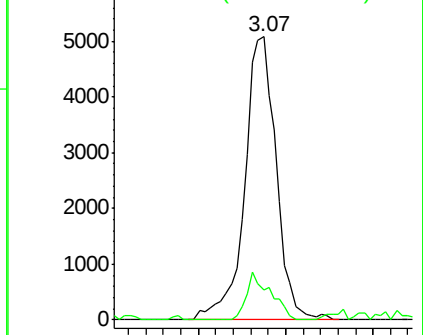
59 100

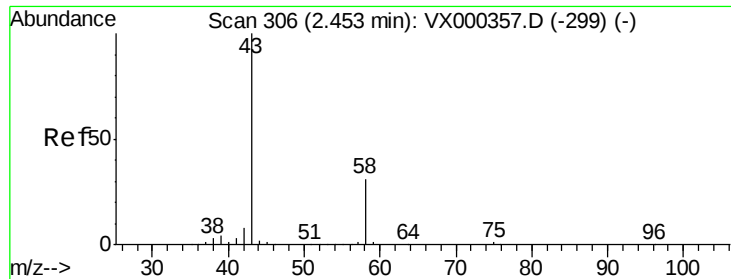
57 12.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 56.23 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

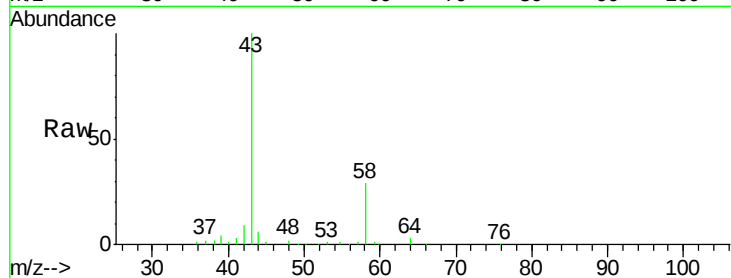
22162-4-5-7-9-71-2

Tot Ion: 43 Resp: 64177

Ion Ratio Lower Upper

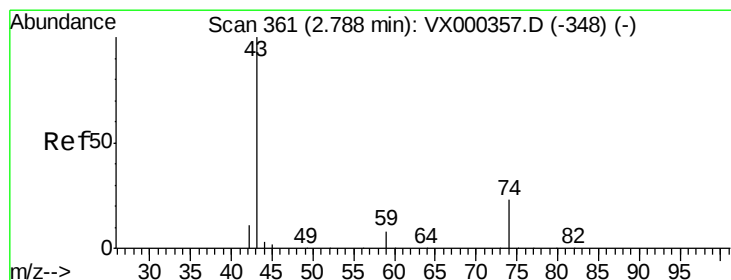
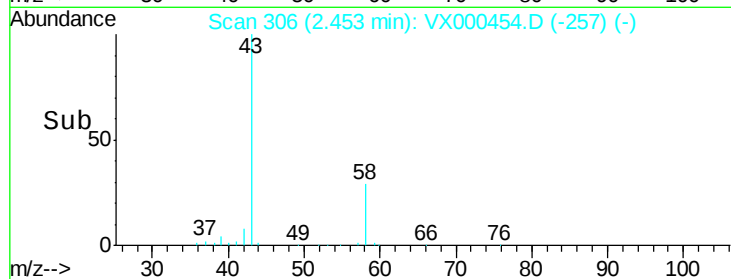
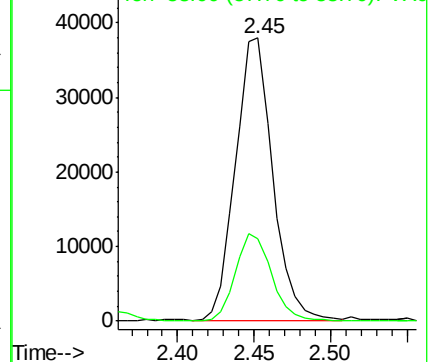
43 100

58 29.0 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: 8.87 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000454.D

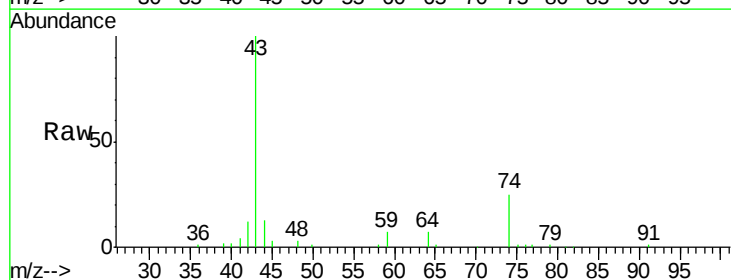
Acq: 26 Mar 2018 20:53

Tgt Ion: 43 Resp: 21218

Ion Ratio Lower Upper

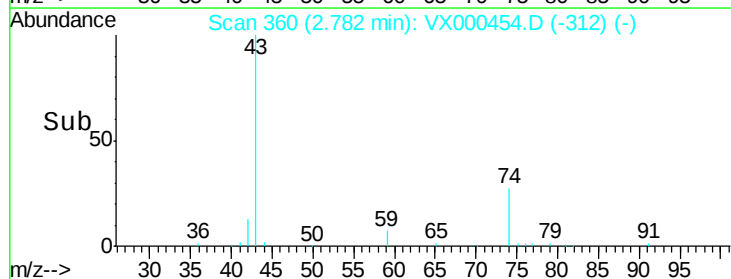
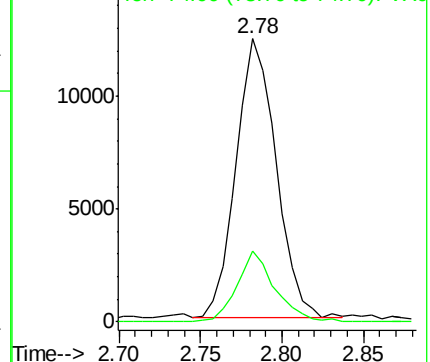
43 100

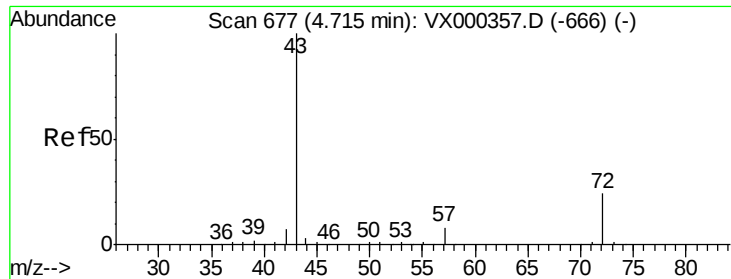
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 17.19 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

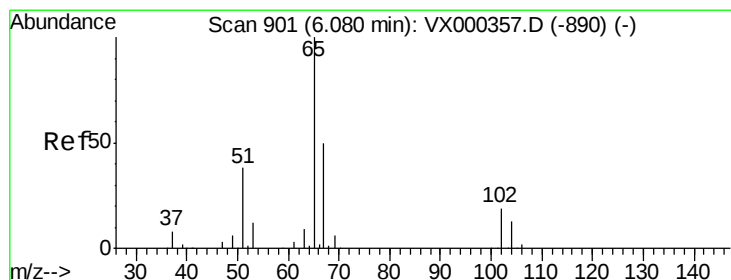
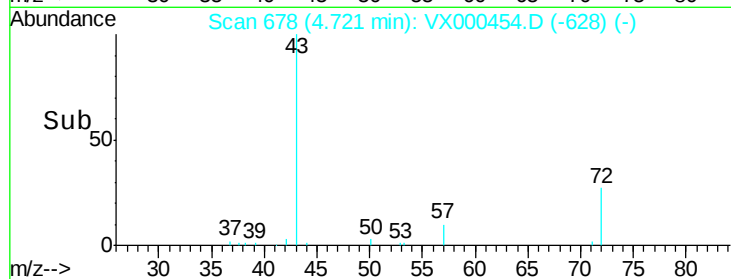
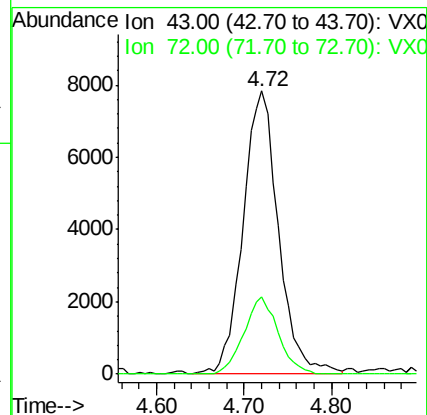
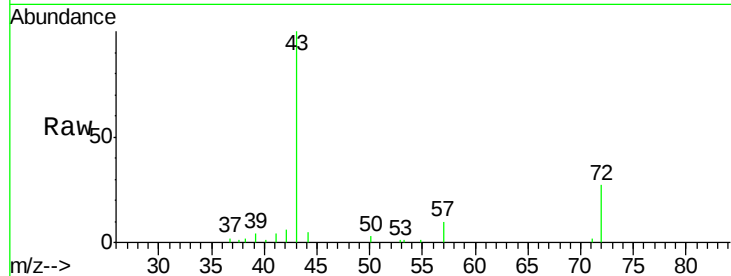
22162-4-5-7-9-71-2

Tot Ion: 43 Resp: 22057

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.6



#33

1,2-Dichloroethane-d4

Concen: 55.38 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000454.D

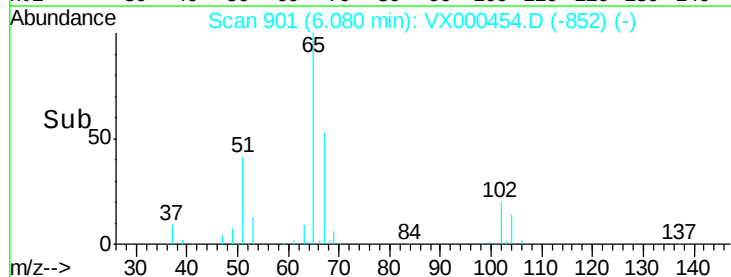
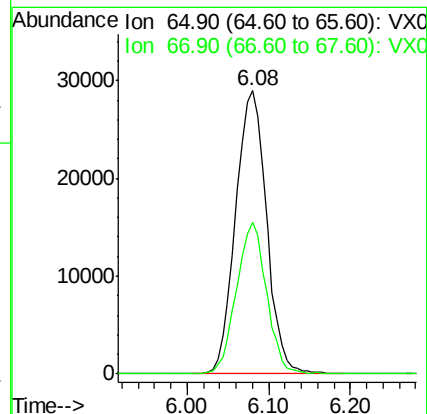
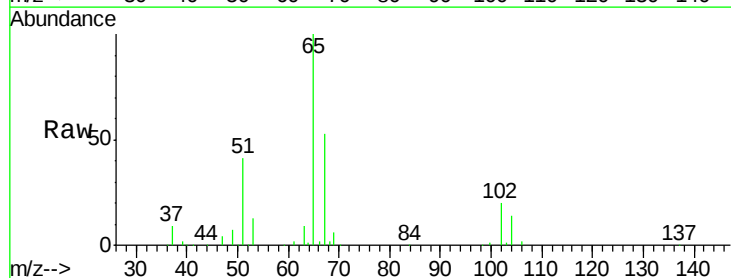
Acq: 26 Mar 2018 20:53

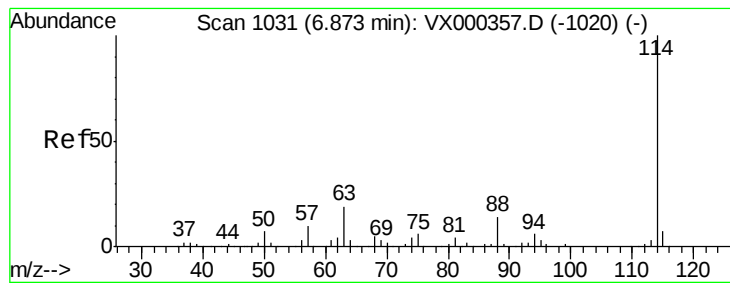
Tgt Ion: 65 Resp: 75978

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

22162-4-5-7-9-71-2

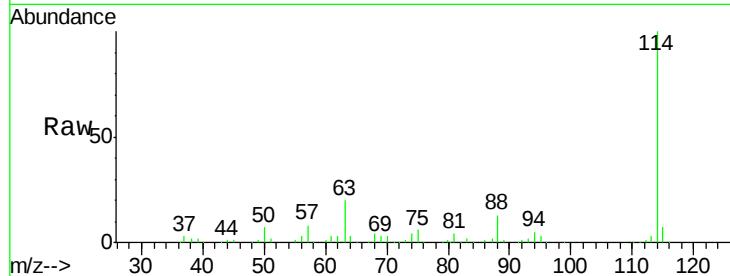
Tot Ion:114 Resp: 185335

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

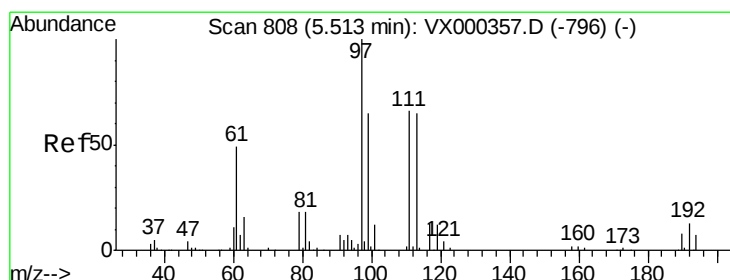
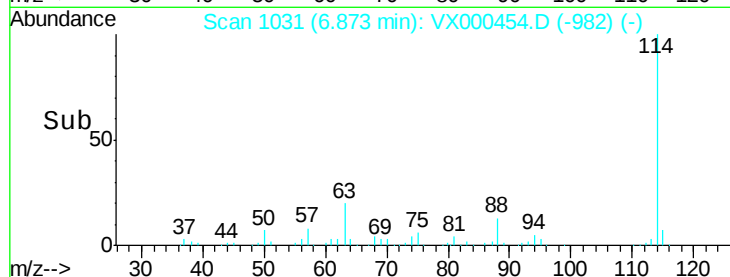
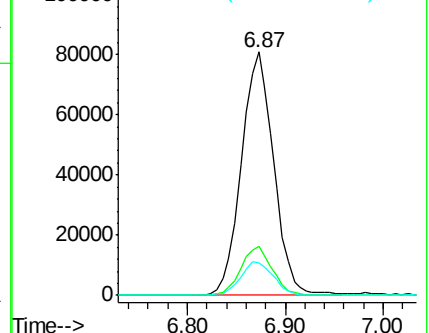
88 13.4 0.0 27.0



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: 51.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

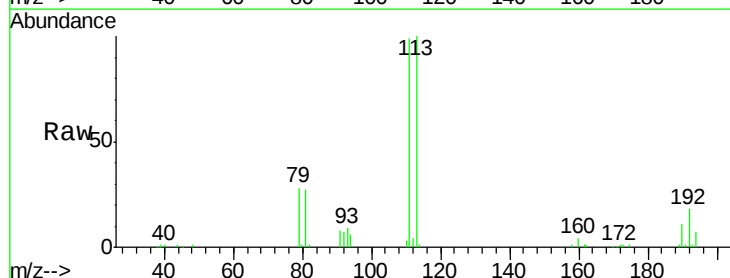
Tgt Ion:113 Resp: 60538

Ion Ratio Lower Upper

113 100

111 100.8 82.4 123.6

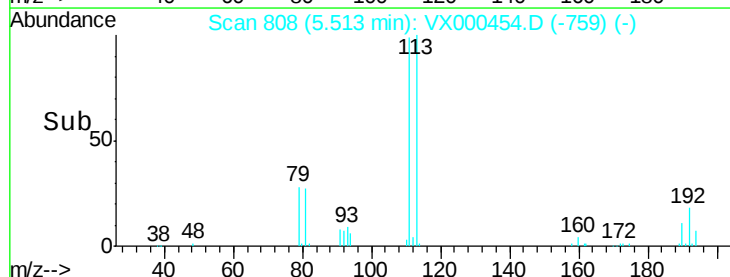
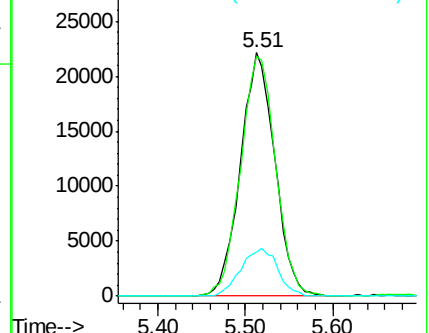
192 20.8 15.8 23.6

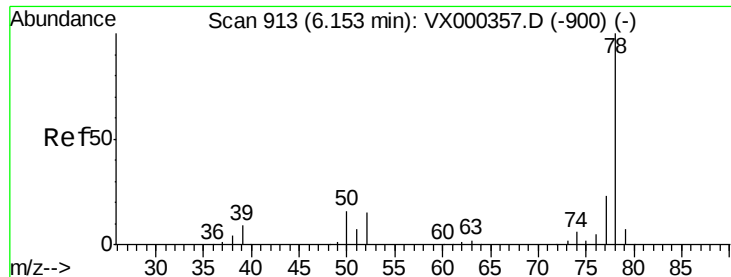


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 11.22 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

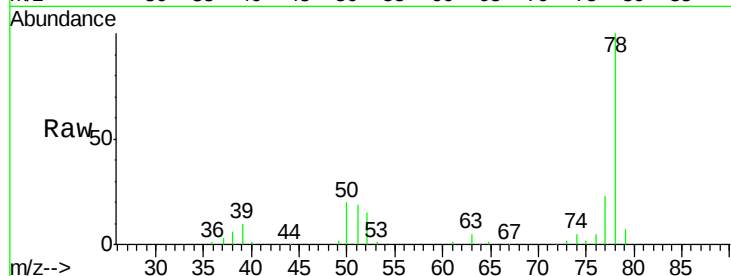
22162-4-5-7-9-71-2

Tot Ion: 78 Resp: 56572

Ion Ratio Lower Upper

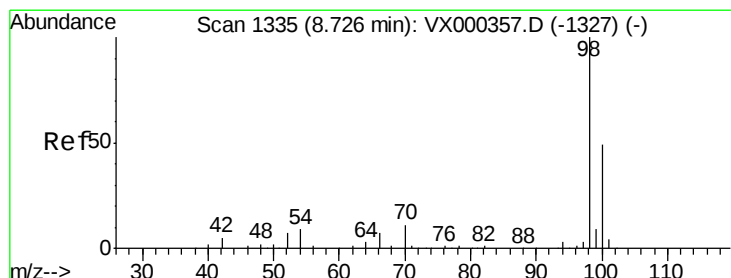
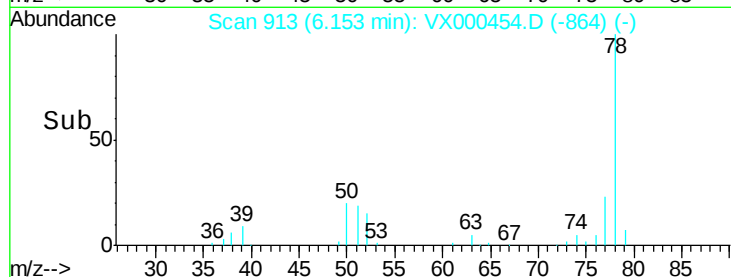
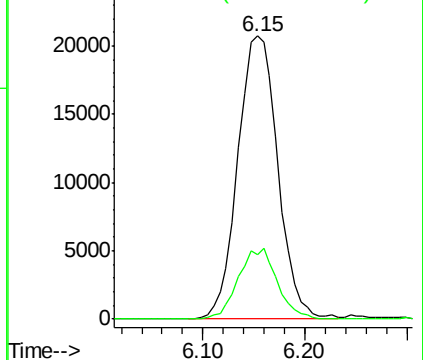
78 100

77 22.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.34 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000454.D

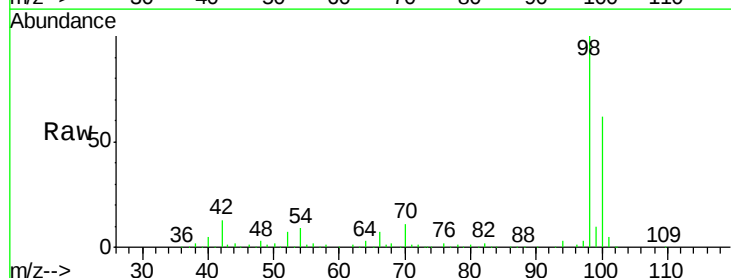
Acq: 26 Mar 2018 20:53

Tgt Ion: 98 Resp: 233795

Ion Ratio Lower Upper

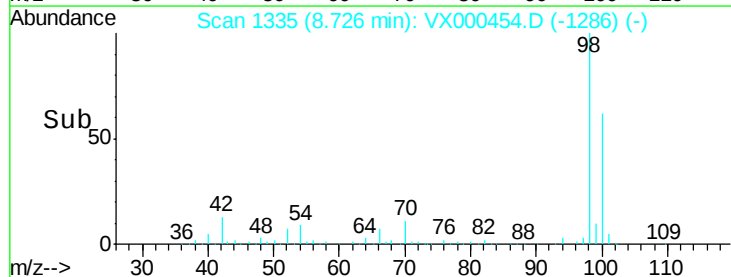
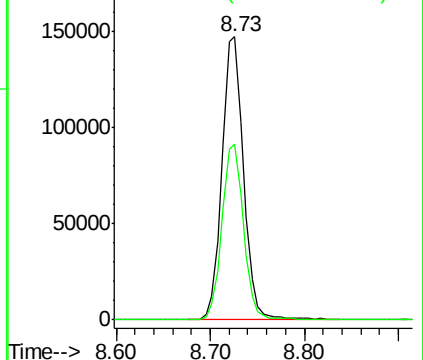
98 100

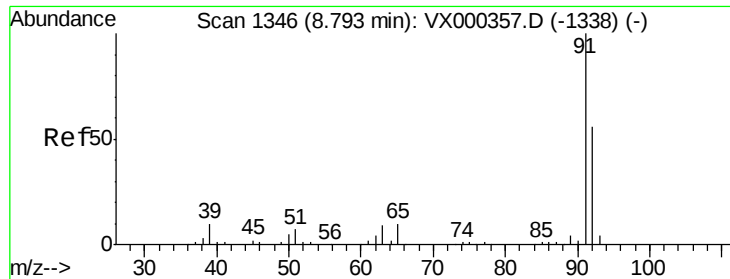
100 62.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 6.35 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

Instrument :

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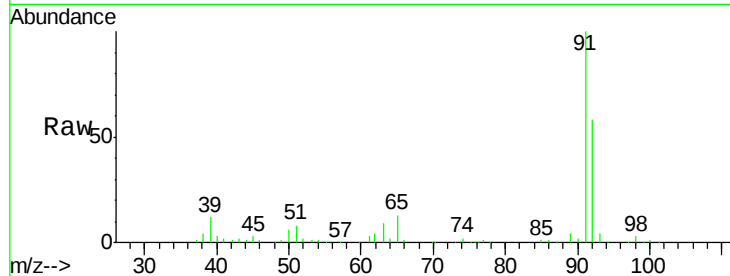
22162-4-5-7-9-71-2

Tot Ion: 92 Resp: 22379

Ion Ratio Lower Upper

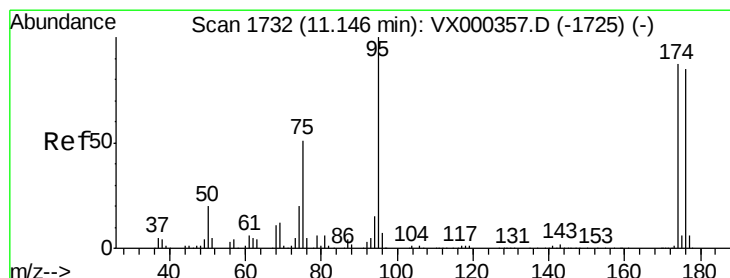
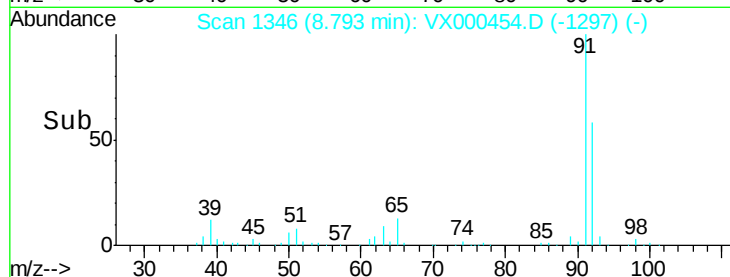
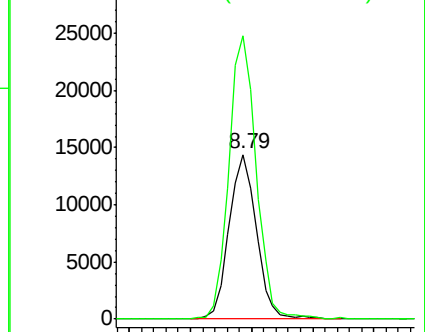
92 100

91 170.6 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 39.29 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

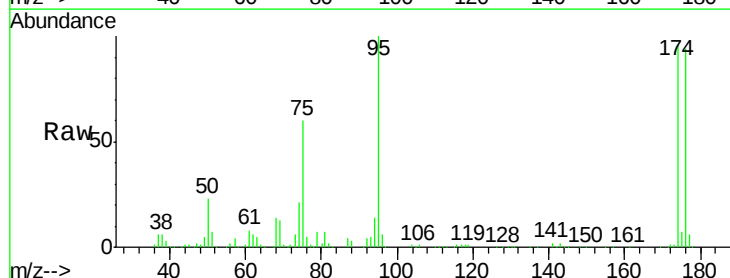
Tgt Ion: 95 Resp: 77200

Ion Ratio Lower Upper

95 100

174 92.7 0.0 173.6

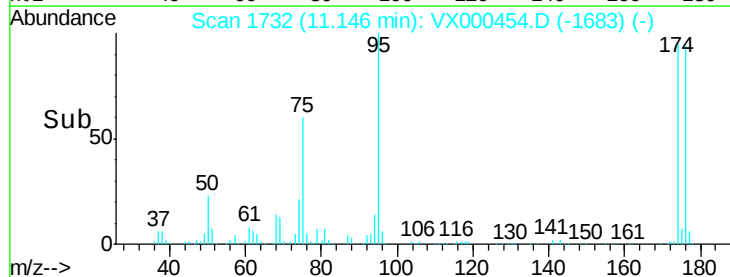
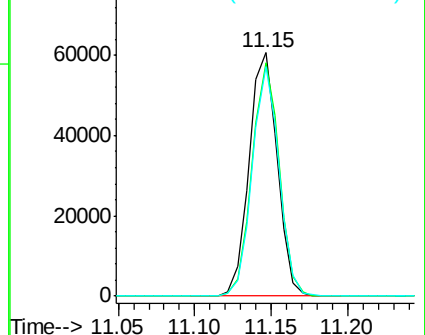
176 90.1 0.0 164.6

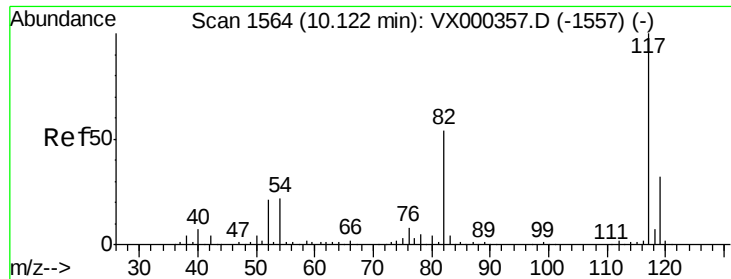


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

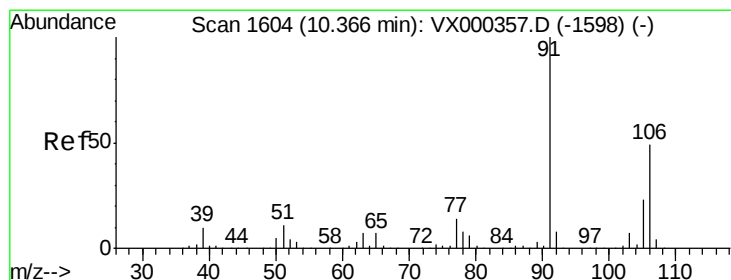
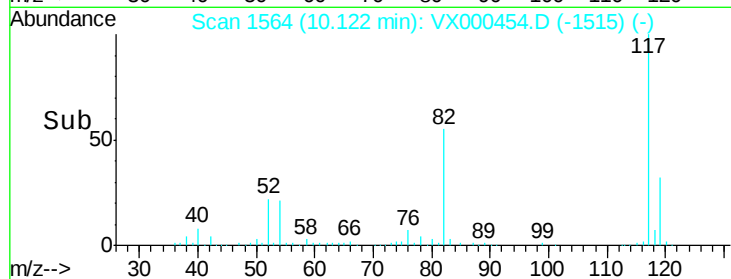
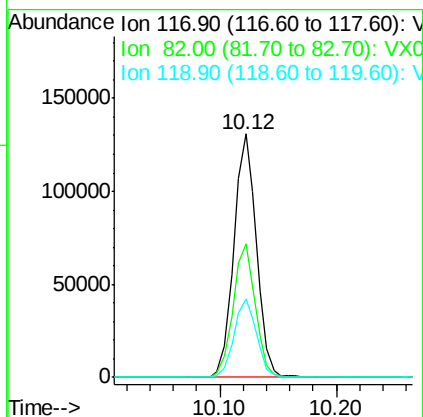
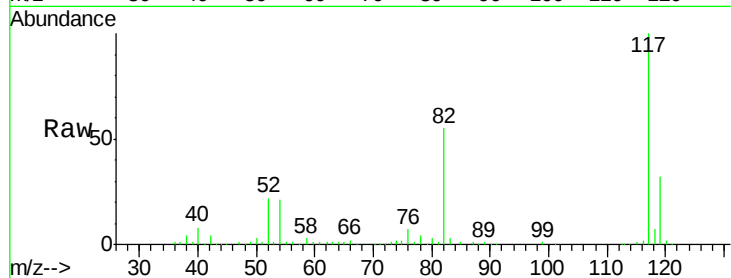




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000454.D
Acq: 26 Mar 2018 20:53

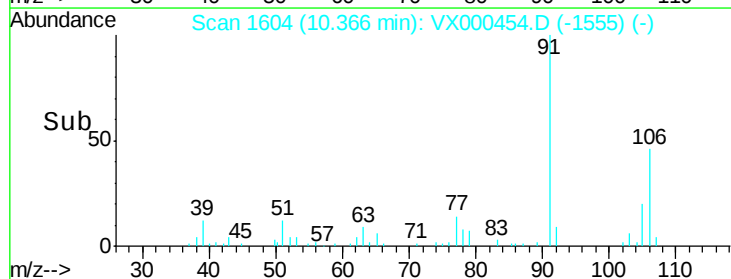
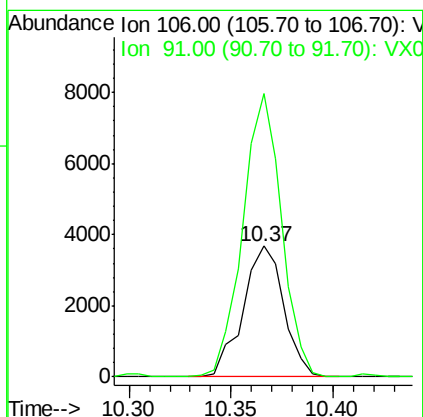
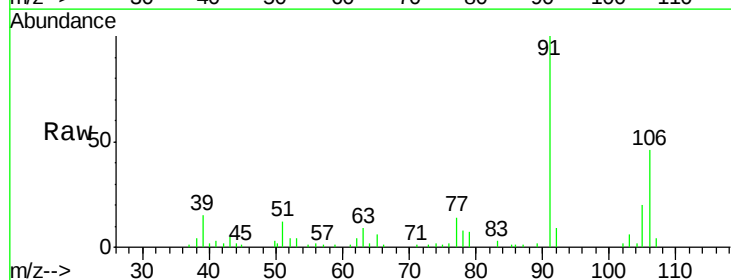
Instrument :
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22162-4-5-7-9-71-2

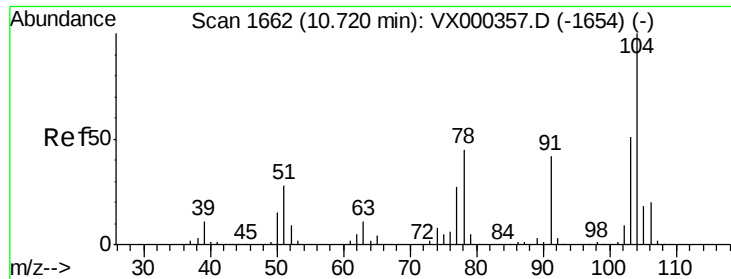
Tot Ion:117 Resp: 176659
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.8
119 32.3 24.9 37.3



#68
m/p-Xylenes
Concen: 1.95 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000454.D
Acq: 26 Mar 2018 20:53

Tgt Ion:106 Resp: 5108
Ion Ratio Lower Upper
106 100
91 205.7 163.4 245.2

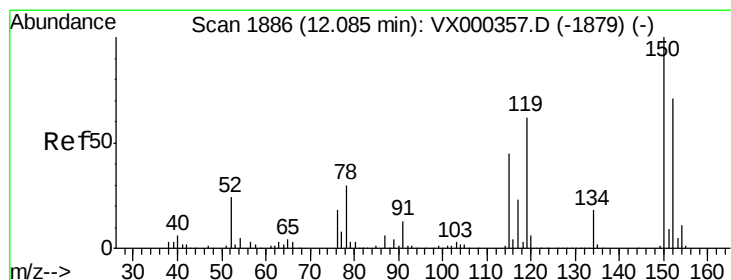
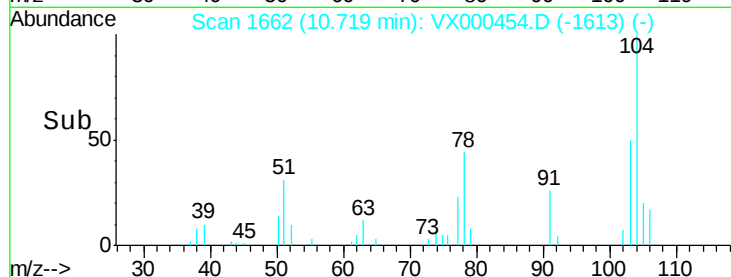
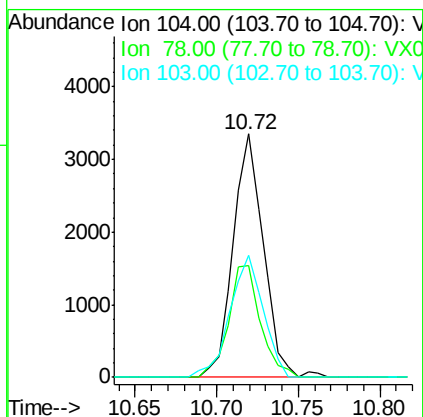
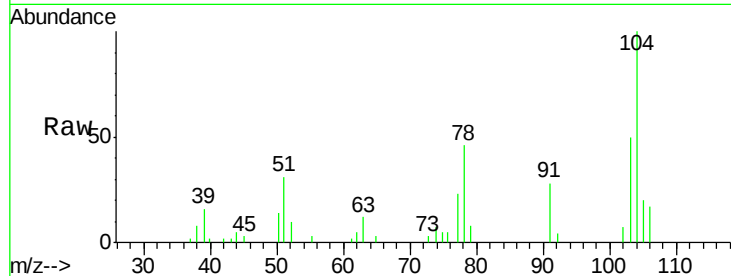




#70
Stvrene
Concen: 1.03 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000454.D
Acq: 26 Mar 2018 20:53

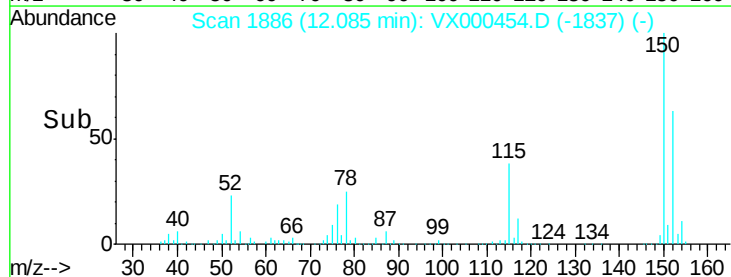
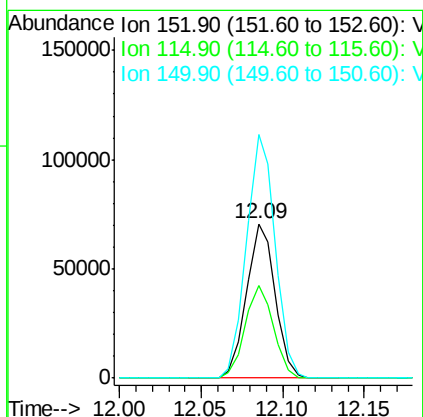
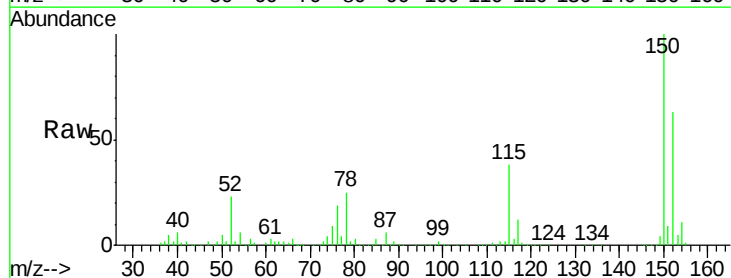
Instrument :
MSVOA_X
ClientSampleId :
22162-4-5-7-9-71-2

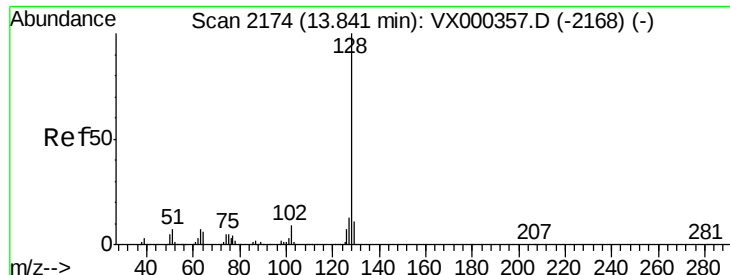
Tot Ion:104 Resp: 4334
Ion Ratio Lower Upper
104 100
78 48.3 40.5 60.7
103 54.8 45.7 68.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000454.D
Acq: 26 Mar 2018 20:53

Tgt Ion:152 Resp: 86441
Ion Ratio Lower Upper
152 100
115 59.4 39.8 119.3
150 158.7 0.0 344.4





#95

Naphthalene

Concen: 1.45 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000454.D

Acq: 26 Mar 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

22162-4-5-7-9-71-2

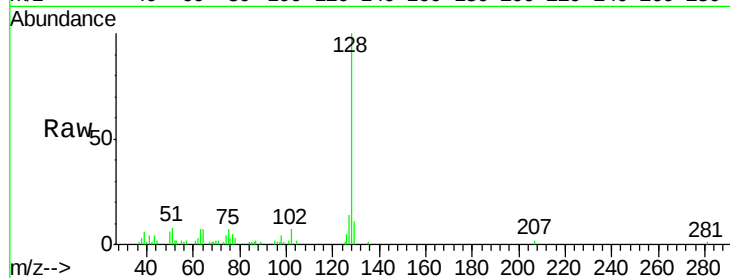
Tot Ion:128 Resp: 10270

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 12.3 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

