

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX033018\
 Data File : VX000566.D
 Acq On : 30 Mar 2018 17:57
 Operator : JC/MD
 Sample : J2106-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 19619

Quant Time: Apr 04 10:49:12 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	162749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	281812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	156325	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	109176	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
35) Dibromofluoromethane	5.51	113	85002	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.73	98	353031	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.15	95	130810	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	

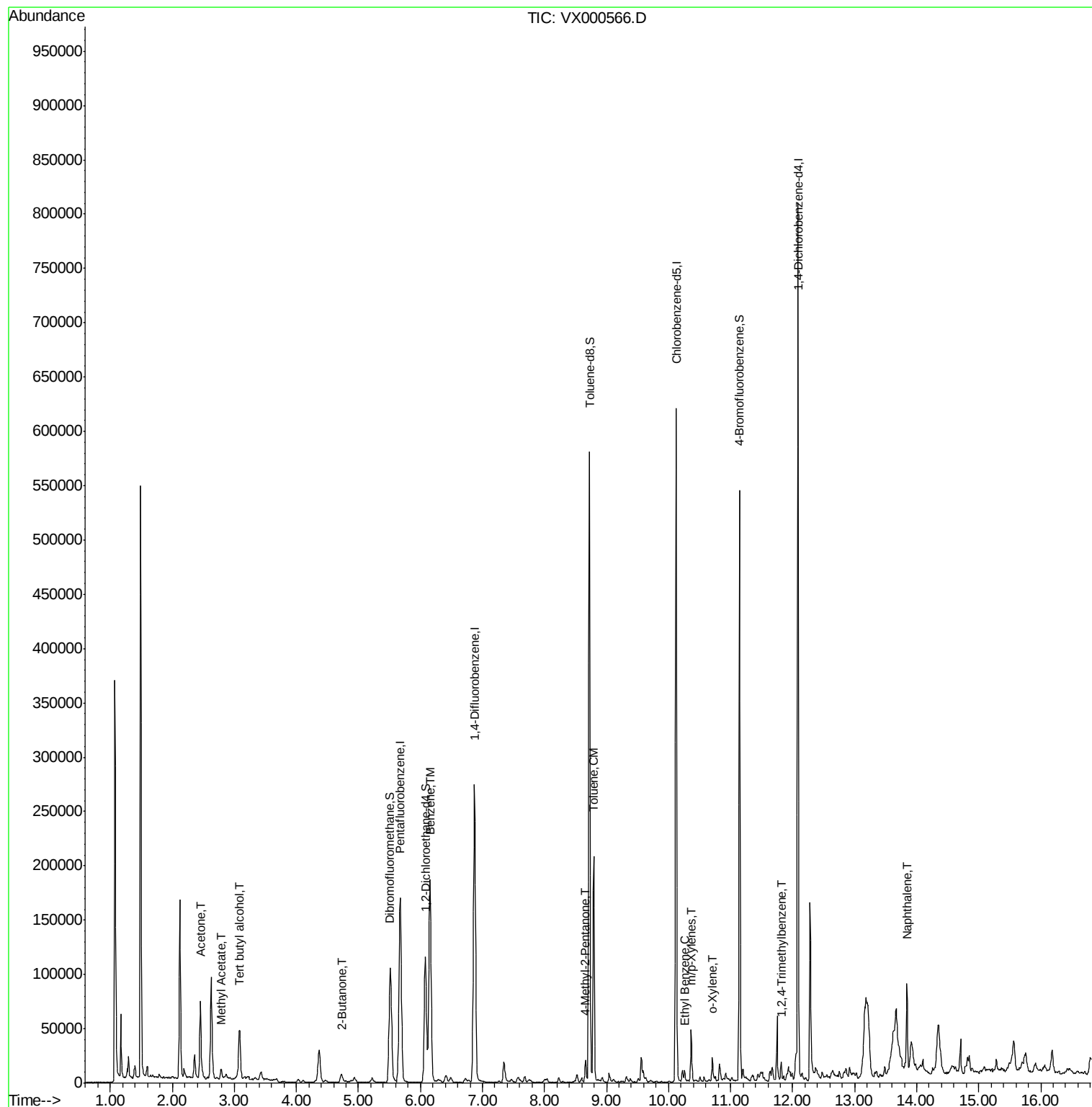
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	59033	80.78	ug/l	99
16) Acetone	2.45	43	70991	40.17	ug/l	97
18) Methyl Acetate	2.79	43	10283	2.78	ug/l	92
25) 2-Butanone	4.73	43	13760	6.93	ug/l	98
40) Benzene	6.15	78	220126	28.71	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	11852	2.85	ug/l	99
52) Toluene	8.79	92	73207	13.66	ug/l	97
67) Ethyl Benzene	10.26	91	5862	0.56	ug/l #	80
68) m/p-Xylenes	10.37	106	10487	2.55	ug/l	92
69) o-Xylene	10.71	106	4534	1.14	ug/l	92
74) N-amyl acetate	6.49	43	1596	Below Cal	#	62
84) 1,2,4-Trimethylbenzene	11.81	105	6442	0.71	ug/l	96
95) Naphthalene	13.84	128	53185	4.16	ug/l	100

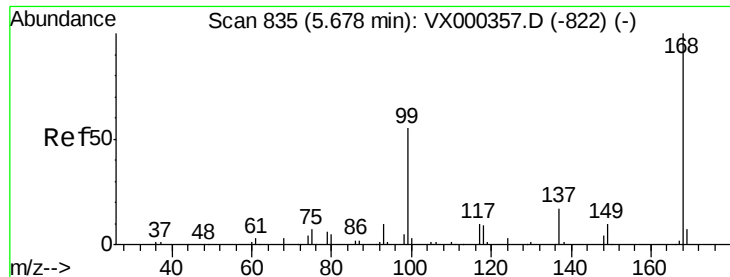
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :

MSVOA_X

ClientSampleId :

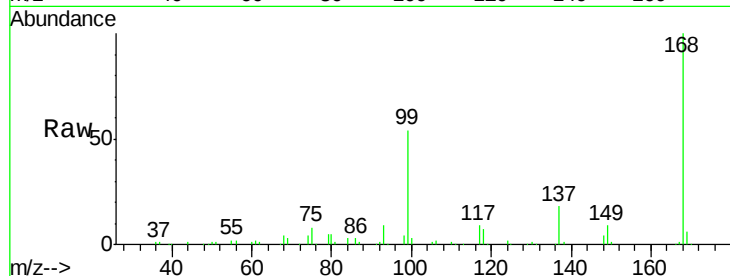
19619

Tot Ion:168 Resp: 162749

Ion Ratio Lower Upper

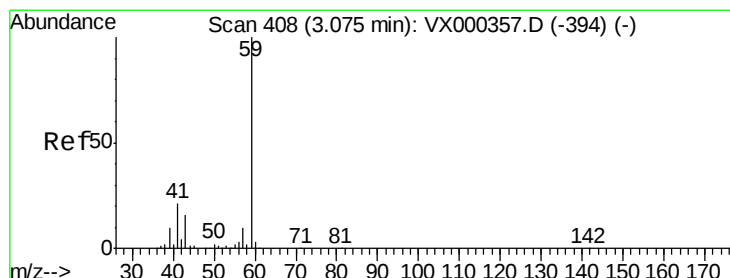
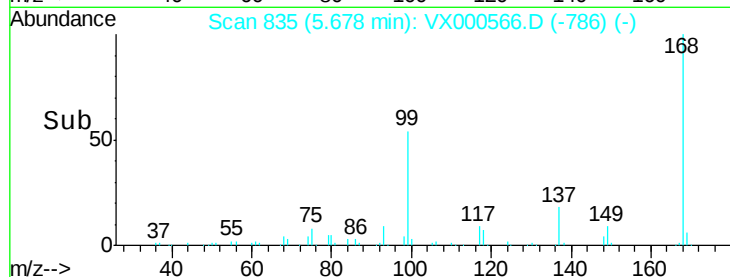
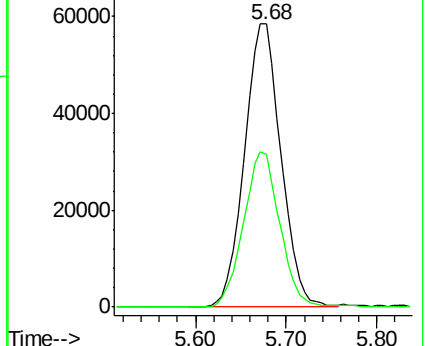
168 100

99 53.8 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: 80.78 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000566.D

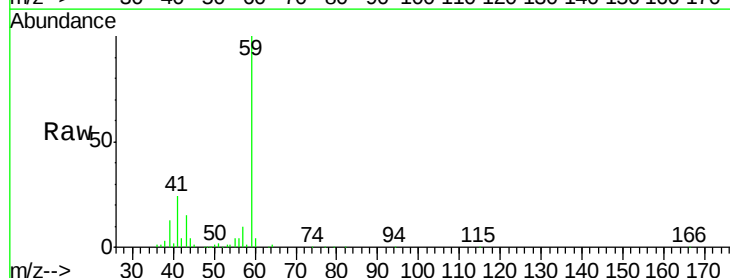
Acq: 30 Mar 2018 17:57

Tgt Ion: 59 Resp: 59033

Ion Ratio Lower Upper

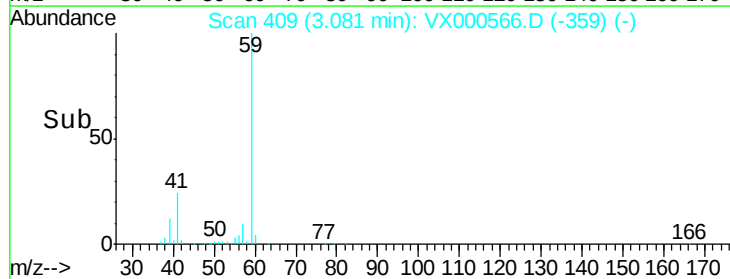
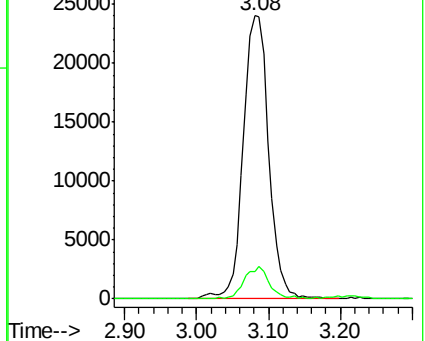
59 100

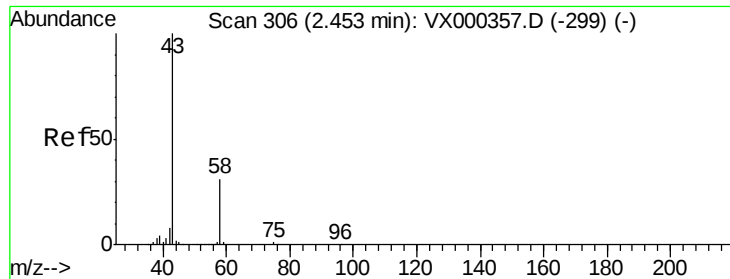
57 11.0 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 40.17 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :

MSVOA_X

ClientSampleId :

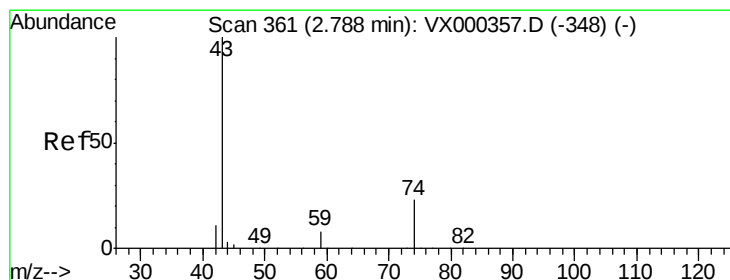
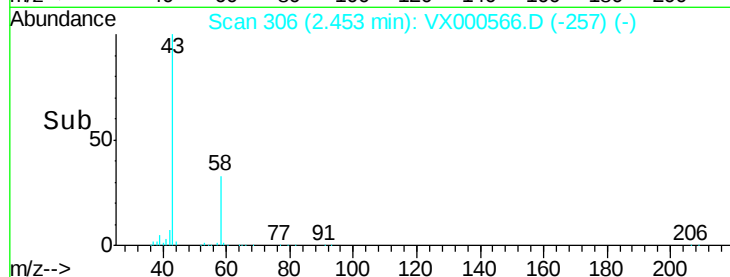
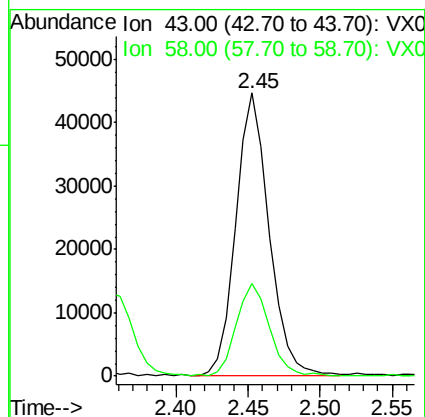
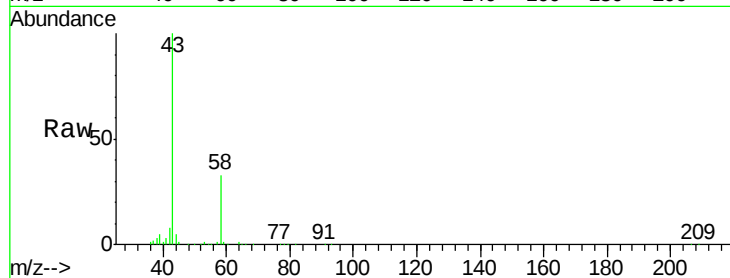
19619

Tot Ion: 43 Resp: 70991

Ion Ratio Lower Upper

43 100

58 32.5 24.7 37.1



#18

Methyl Acetate

Concen: 2.78 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000566.D

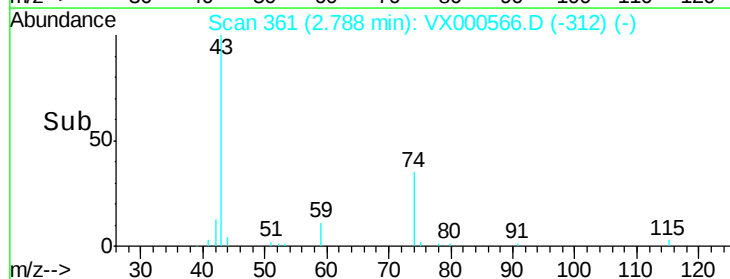
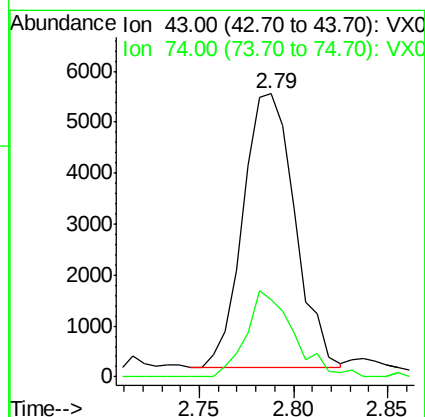
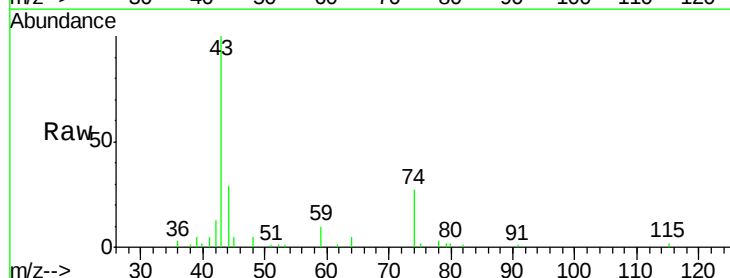
Acq: 30 Mar 2018 17:57

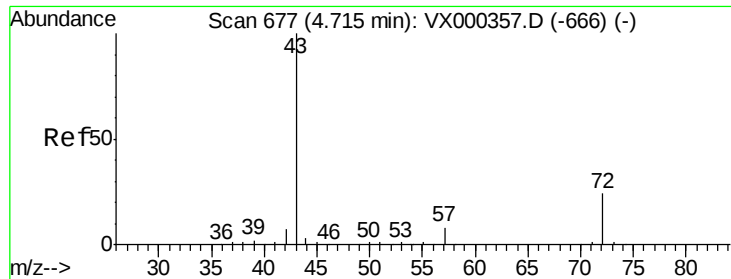
Tgt Ion: 43 Resp: 10283

Ion Ratio Lower Upper

43 100

74 28.5 19.4 29.2





#25

2-Butanone

Concen: 6.93 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :

MSVOA_X

ClientSampled :

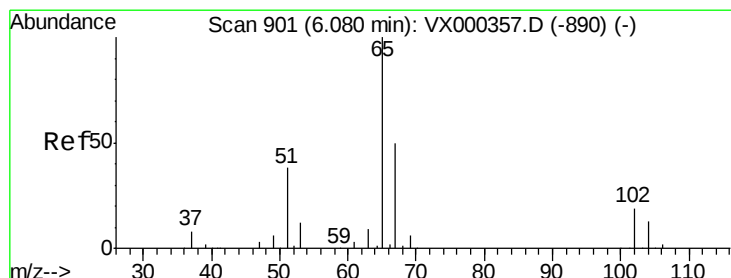
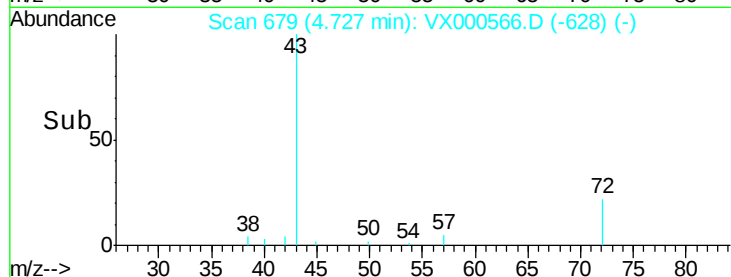
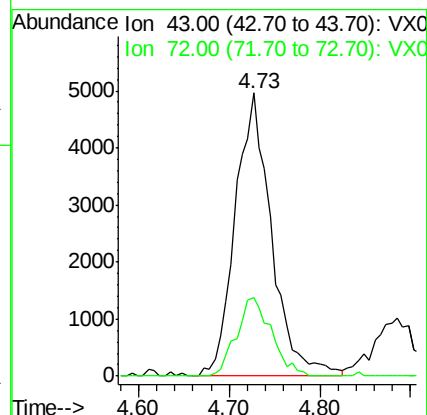
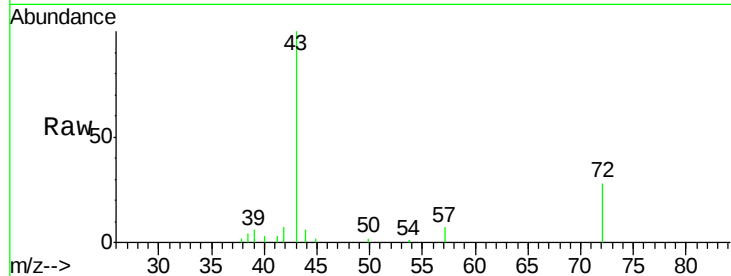
19619

Tot Ion: 43 Resp: 13760

Ion Ratio Lower Upper

43 100

72 27.6 21.0 31.6



#33

1,2-Dichloroethane-d4

Concen: 51.39 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000566.D

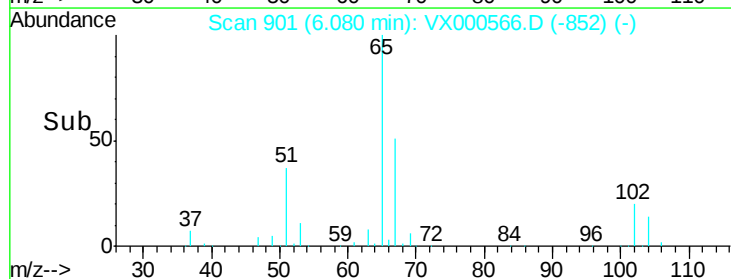
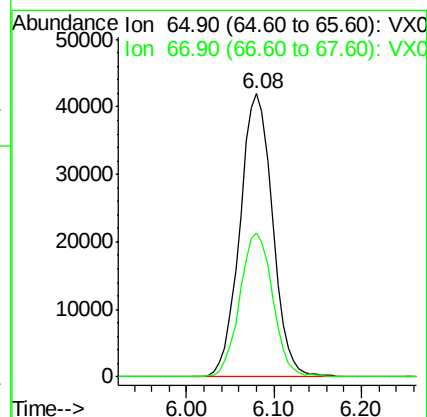
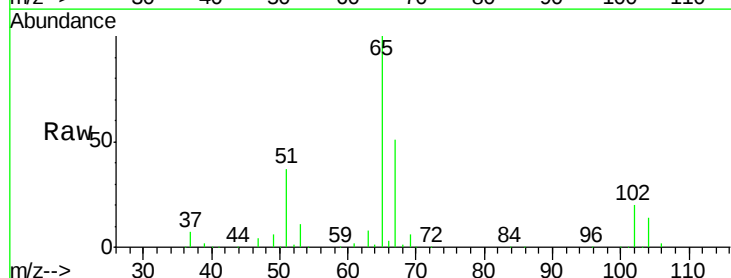
Acq: 30 Mar 2018 17:57

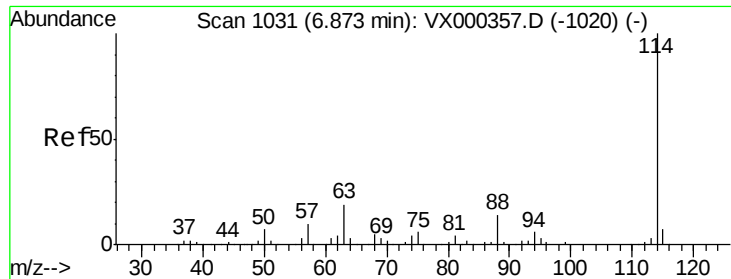
Tgt Ion: 65 Resp: 109176

Ion Ratio Lower Upper

65 100

67 51.3 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: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :

MSVOA_X

ClientSampleId :

19619

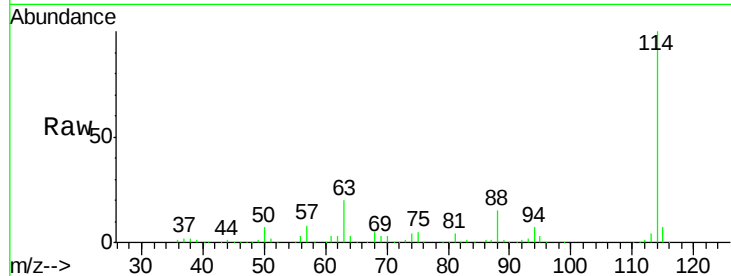
Tot Ion:114 Resp: 281812

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

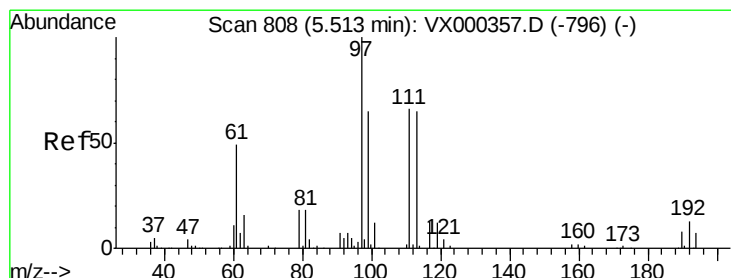
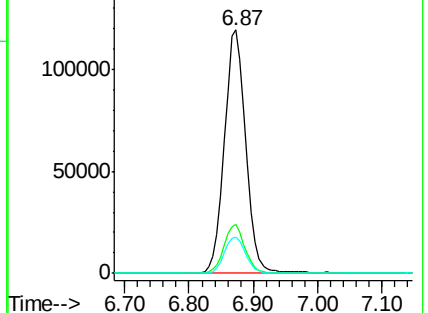
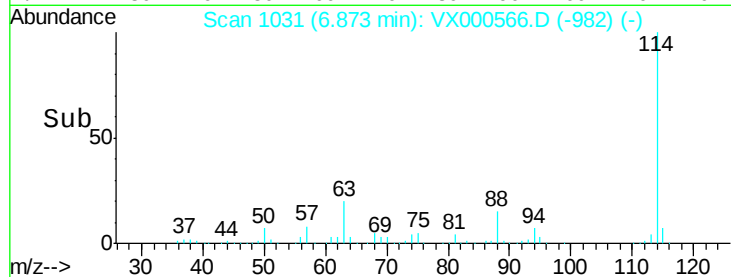
88 14.7 0.0 27.0



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: 47.87 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

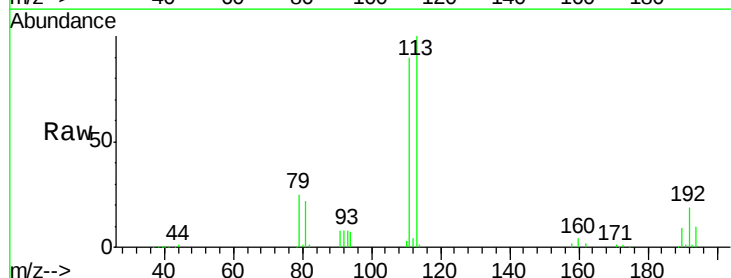
Tgt Ion:113 Resp: 85002

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

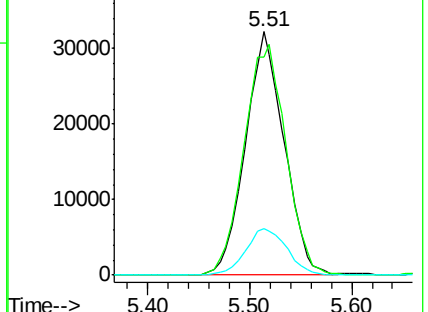
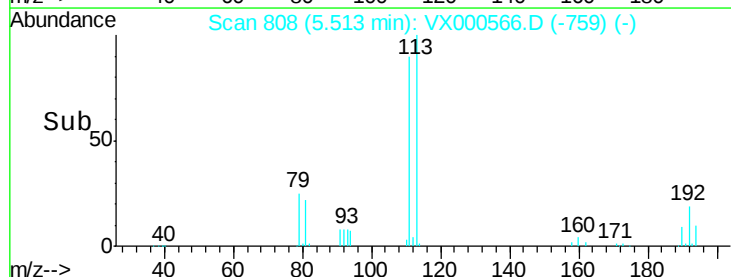
192 20.3 15.8 23.6

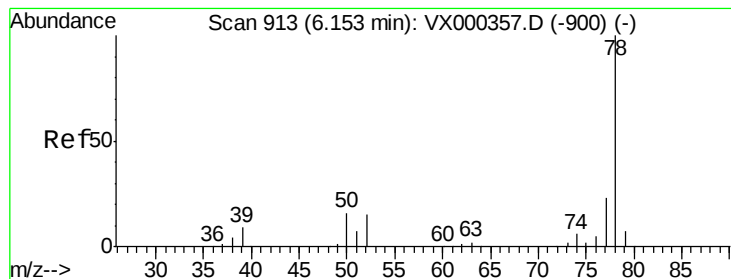


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 28.71 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :

MSVOA_X

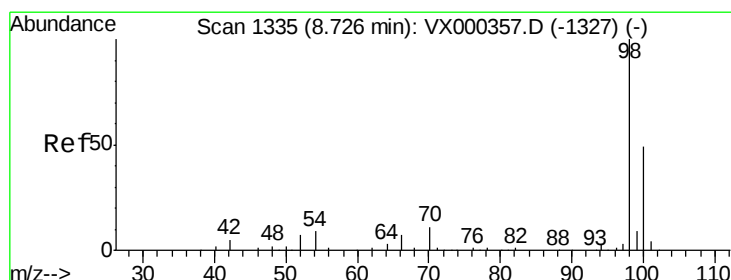
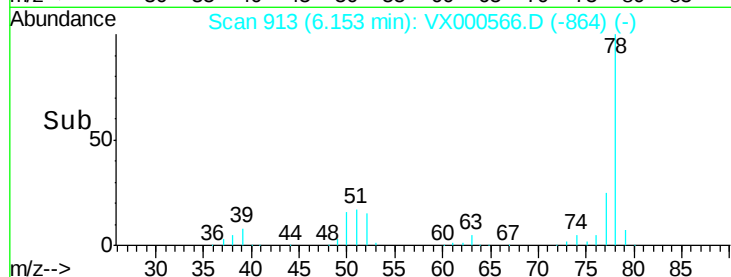
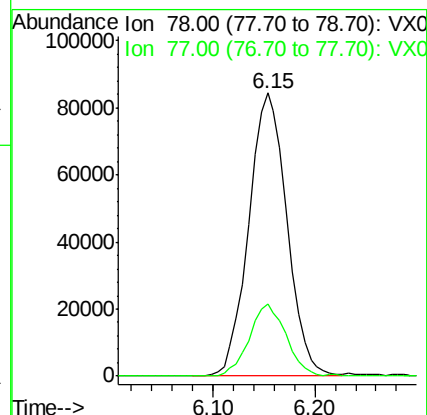
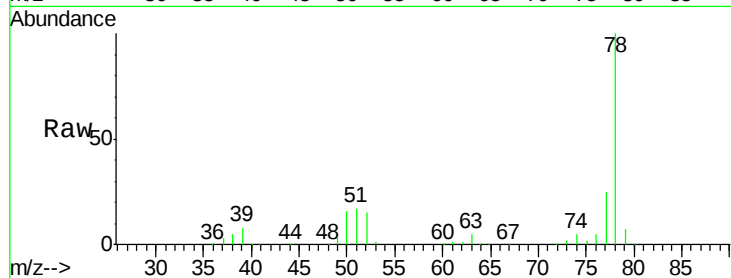
ClientSampleId :
19619

Tot Ion: 78 Resp: 220126

Ion Ratio Lower Upper

78 100

77 25.4 18.7 28.1



#50

Toluene-d8

Concen: 48.00 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000566.D

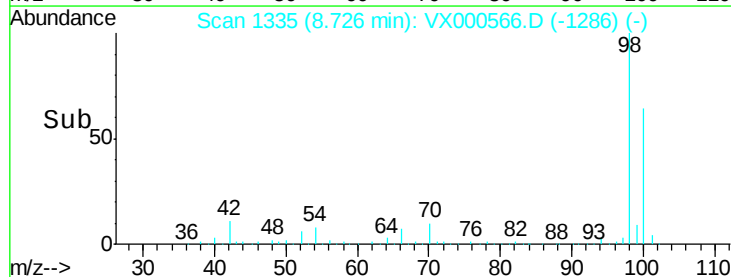
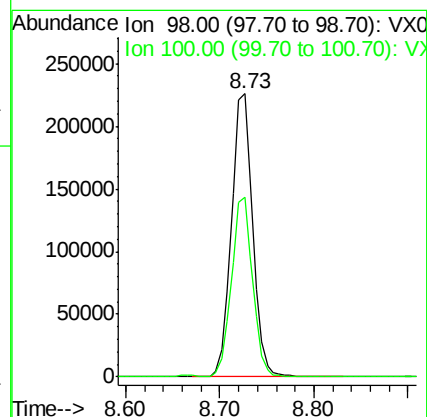
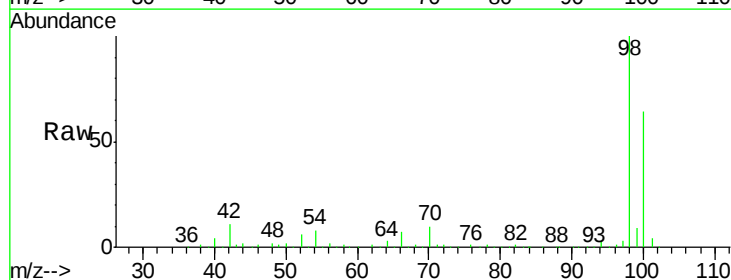
Acq: 30 Mar 2018 17:57

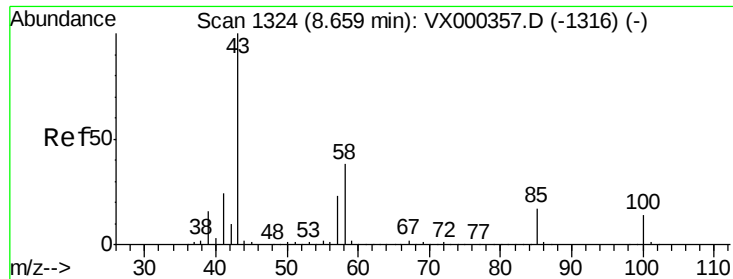
Tgt Ion: 98 Resp: 353031

Ion Ratio Lower Upper

98 100

100 62.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 2.85 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :

MSVOA_X

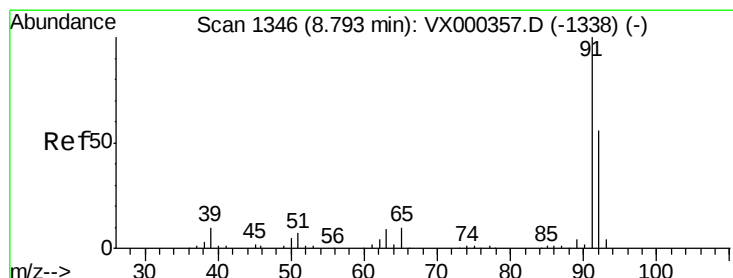
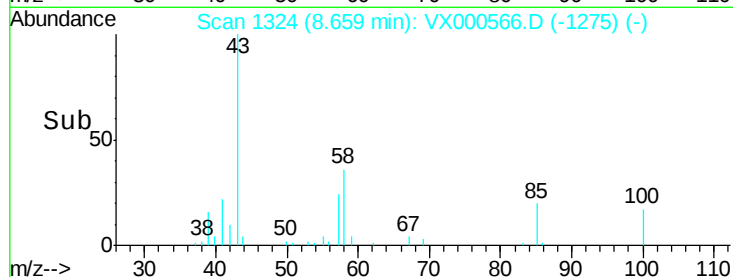
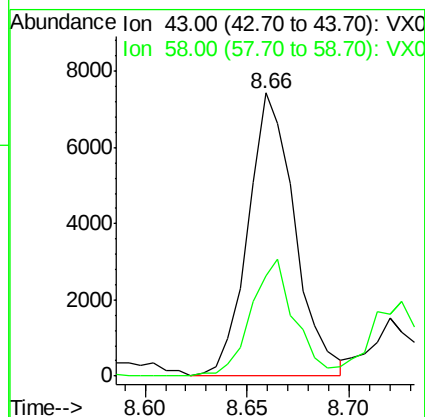
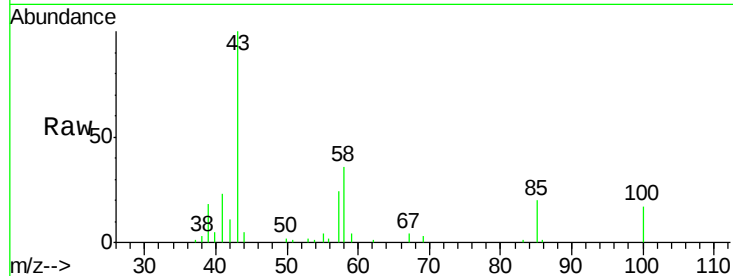
ClientSampleId :
19619

Tot Ion: 43 Resp: 11852

Ion Ratio Lower Upper

43 100

58 38.2 30.3 45.5



#52

Toluene

Concen: 13.66 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000566.D

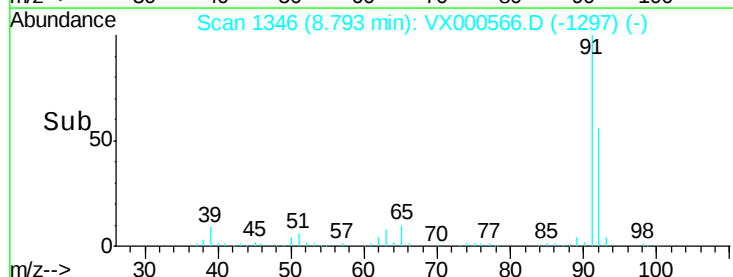
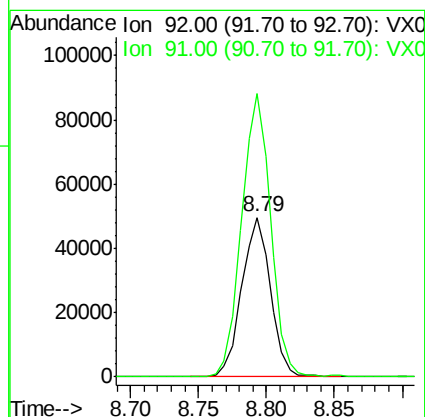
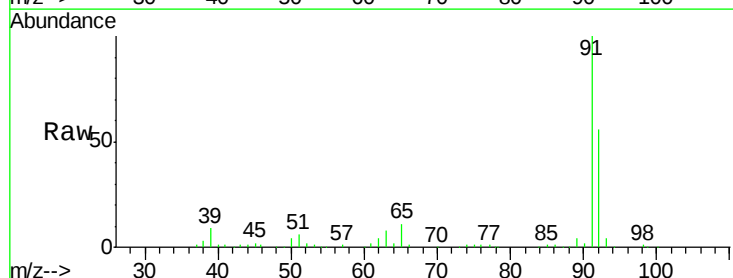
Acq: 30 Mar 2018 17:57

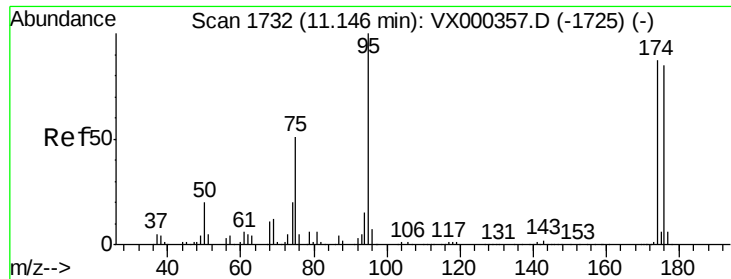
Tgt Ion: 92 Resp: 73207

Ion Ratio Lower Upper

92 100

91 180.0 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 43.07 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :

MSVOA_X

ClientSampled :

19619

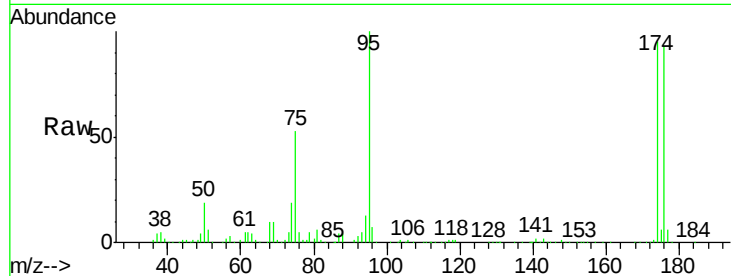
Tot Ion: 95 Resp: 130810

Ion Ratio Lower Upper

95 100

174 88.1 0.0 173.6

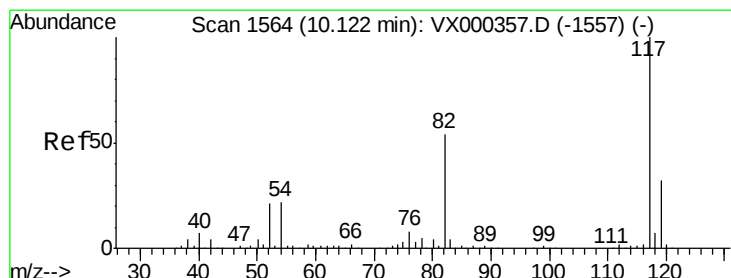
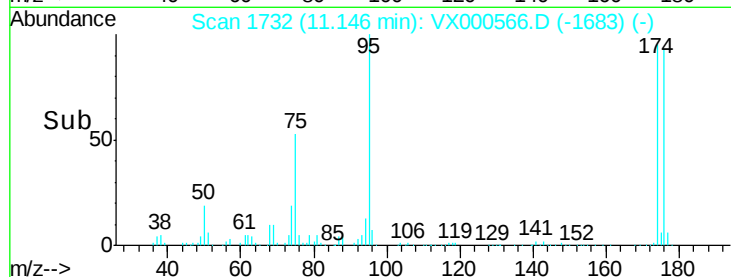
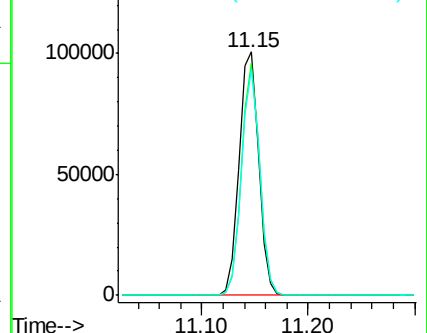
176 87.2 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

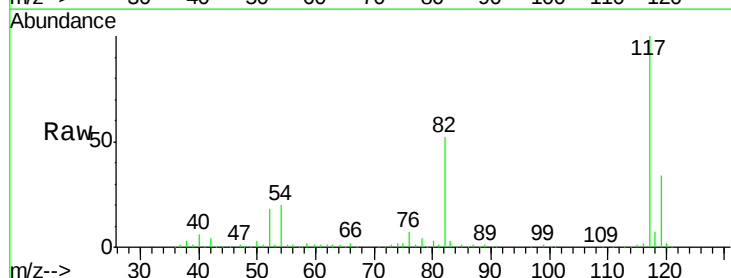
Tgt Ion: 117 Resp: 276830

Ion Ratio Lower Upper

117 100

82 51.7 43.8 65.8

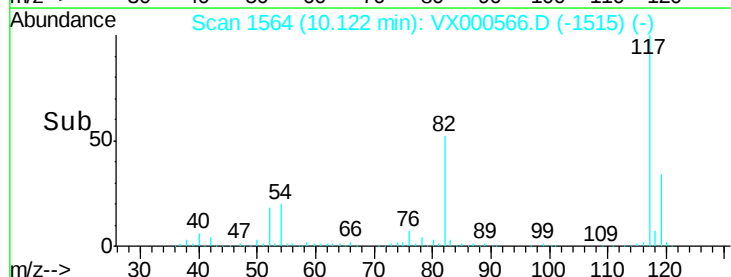
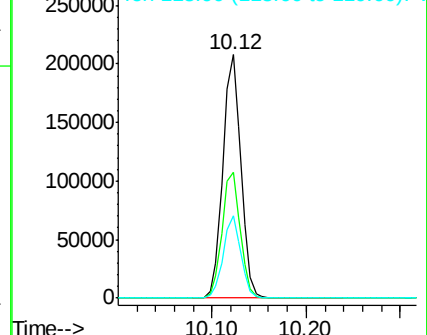
119 33.7 24.9 37.3

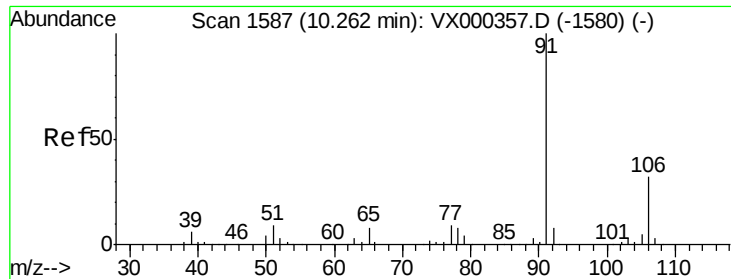


Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)

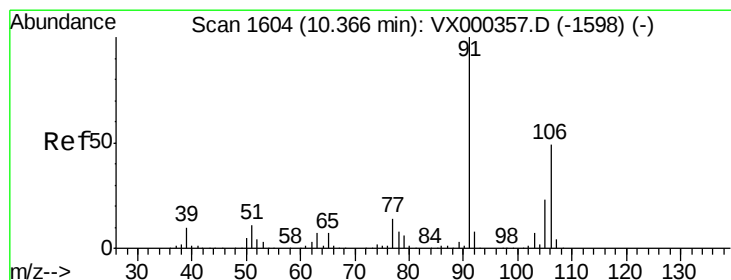
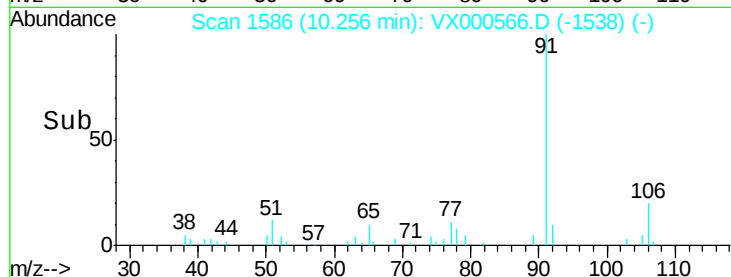
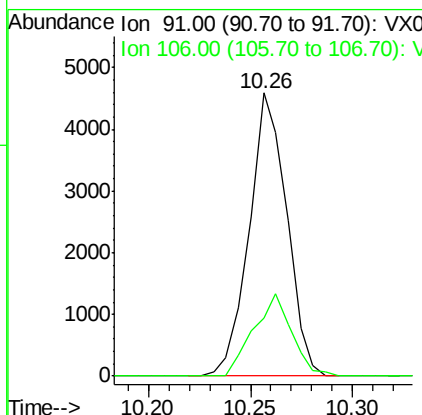
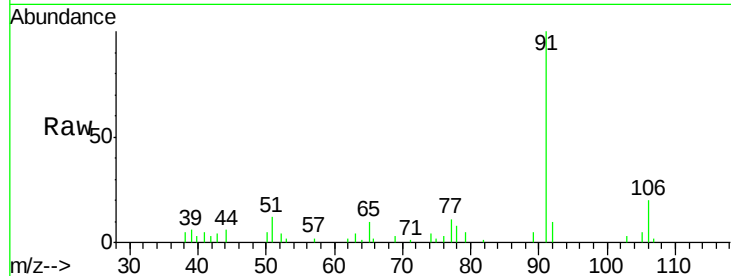




#67
Ethyl Benzene
Concen: 0.56 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000566.D
Acq: 30 Mar 2018 17:57

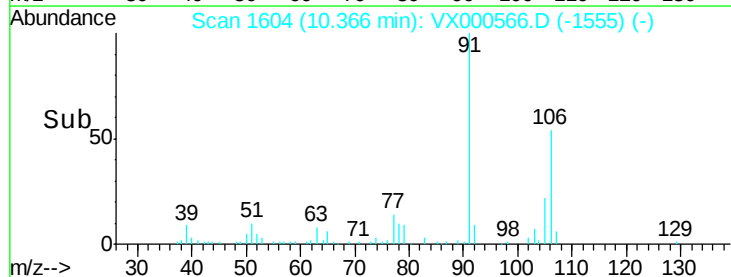
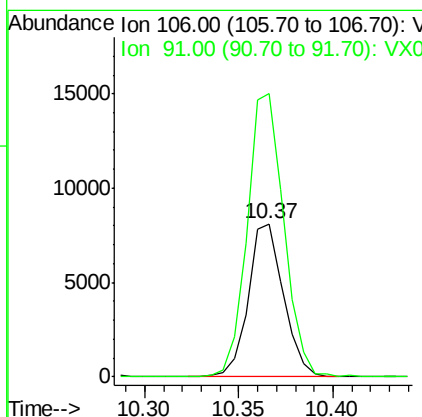
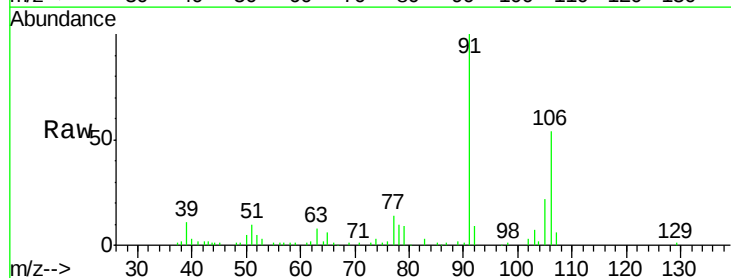
Instrument :
MSVOA_X
ClientSampled :
19619

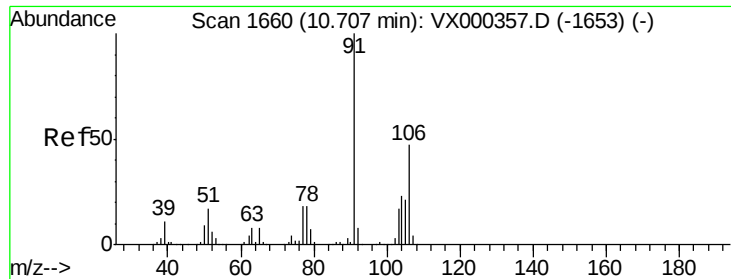
Tot Ion: 91 Resp: 5862
Ion Ratio Lower Upper
91 100
106 20.5 25.0 37.6#



#68
m/p-Xylenes
Concen: 2.55 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000566.D
Acq: 30 Mar 2018 17:57

Tgt Ion: 106 Resp: 10487
Ion Ratio Lower Upper
106 100
91 192.5 163.4 245.2

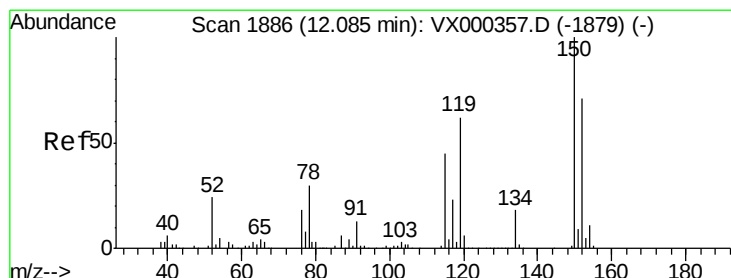
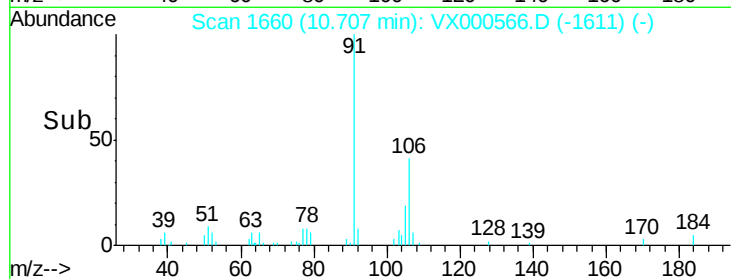
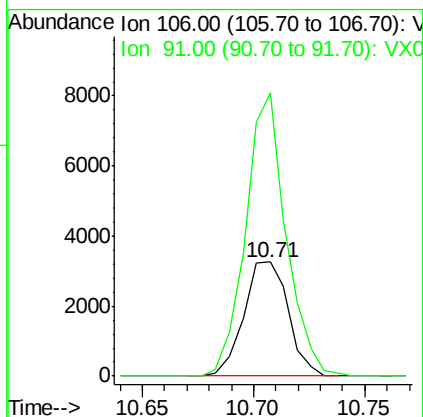
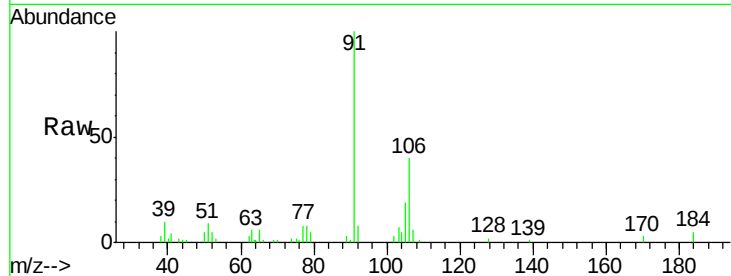




#69
o-Xylene
Concen: 1.14 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000566.D
Acq: 30 Mar 2018 17:57

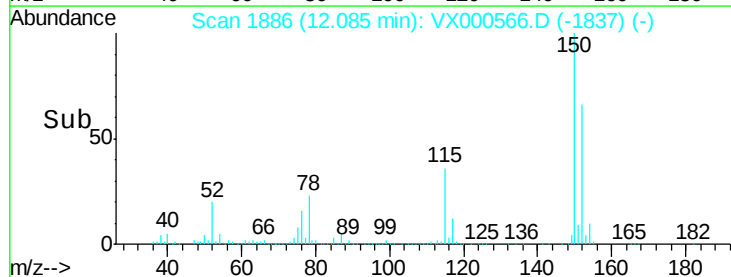
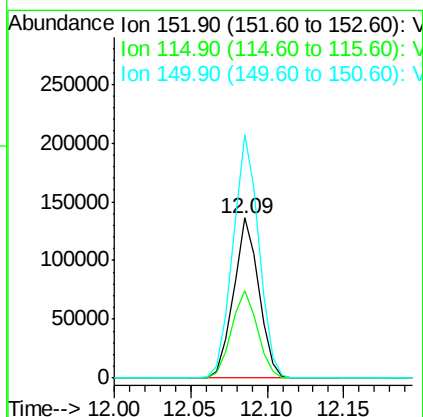
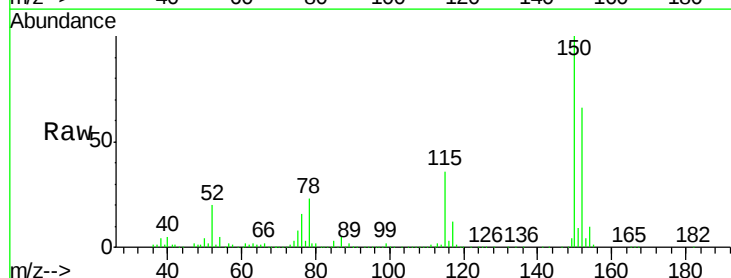
Instrument :
MSVOA_X
ClientSampled :
19619

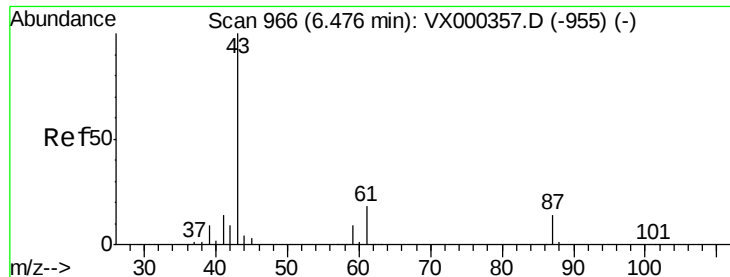
Tot Ion:106 Resp: 4534
Ion Ratio Lower Upper
106 100
91 225.1 106.5 319.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000566.D
Acq: 30 Mar 2018 17:57

Tgt Ion:152 Resp: 156325
Ion Ratio Lower Upper
152 100
115 56.1 39.8 119.3
150 155.1 0.0 344.4





#74

N-amvl acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000566.D

Acq: 30 Mar 2018 17:57

Instrument :
MSVOA_X
ClientSampled :
19619

Tot Ion: 43 Resp: 1596

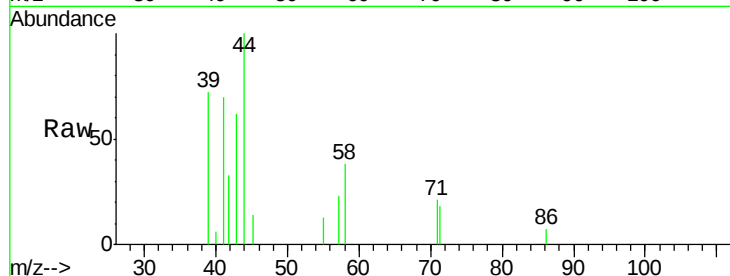
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 6.6 0.0 0.0#

61 1.4 14.4 21.6#

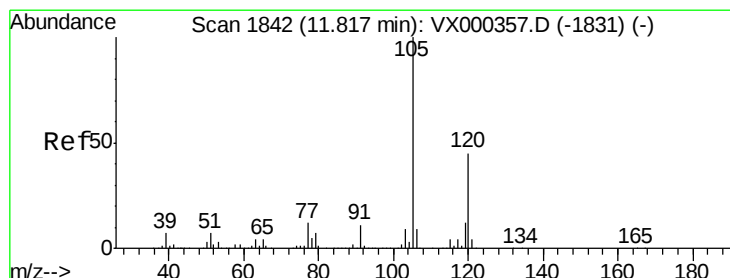
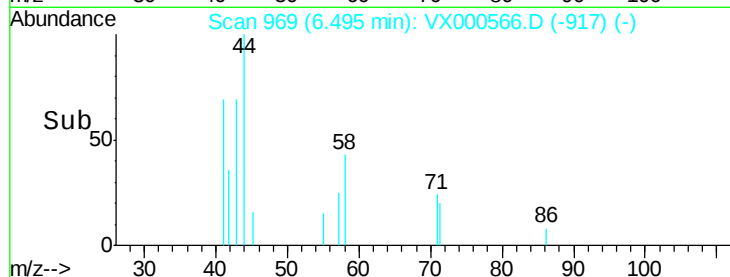
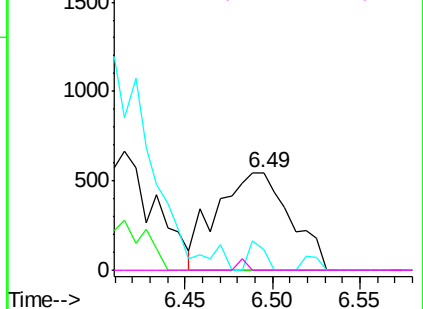


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#84

1,2,4-Trimethylbenzene

Concen: 0.71 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX000566.D

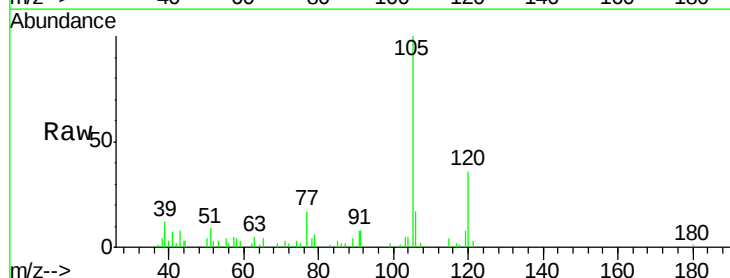
Acq: 30 Mar 2018 17:57

Tgt Ion: 105 Resp: 6442

Ion Ratio Lower Upper

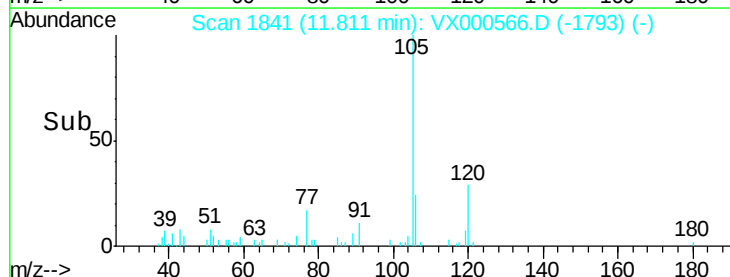
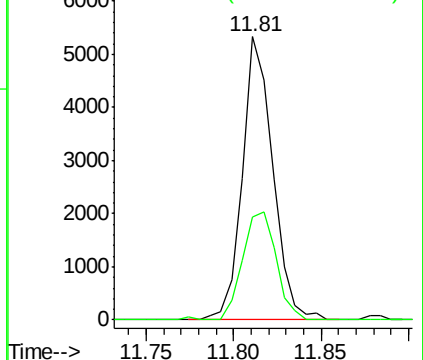
105 100

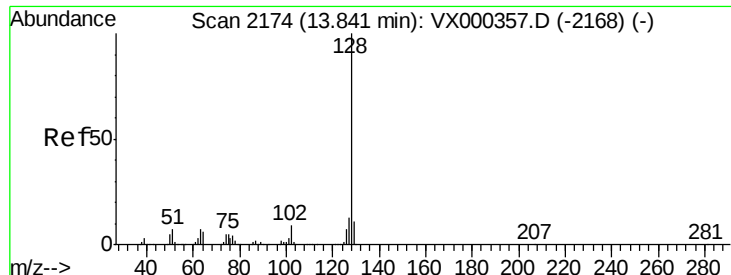
120 42.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 4.16 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000566.D
Acq: 30 Mar 2018 17:57

Instrument :
MSVOA_X
ClientSampleId :
19619

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.5	8.9	13.3

