

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000514.D
 Acq On : 29 Mar 2018 15:58
 Operator : JC/MD
 Sample : J2062-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 19626-7-8-74DL

Quant Time: Mar 30 07:05:48 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	5.67	168	131859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	240400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	250021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	139568	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	99120	57.59	ug/l	0.00
Spiked Amount			Recovery	=	115.18%	
35) Dibromofluoromethane	5.51	113	74496	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.73	98	309380	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.15	95	119584	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	

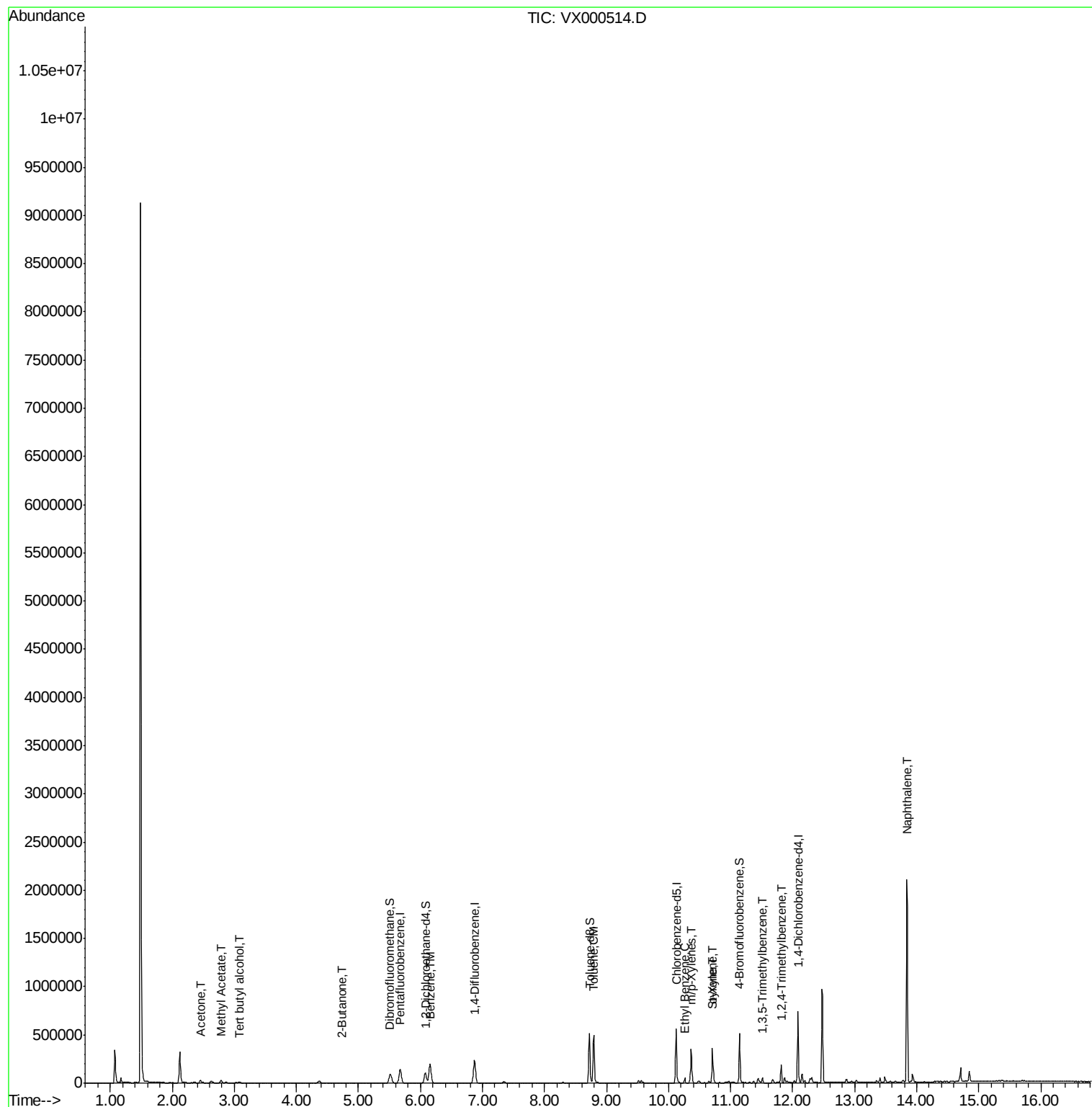
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	6333	10.70	ug/l #	83
16) Acetone	2.45	43	25839	18.05	ug/l	99
18) Methyl Acetate	2.79	43	30664	10.22	ug/l	96
25) 2-Butanone	4.73	43	4979	3.09	ug/l #	79
40) Benzene	6.15	78	233419	35.69	ug/l	99
52) Toluene	8.79	92	183860	40.22	ug/l	98
67) Ethyl Benzene	10.26	91	30102	3.19	ug/l	99
68) m/p-Xylenes	10.37	106	79471	21.41	ug/l	98
69) o-Xylene	10.71	106	69447	19.32	ug/l	99
70) Styrene	10.72	104	38533	6.48	ug/l #	85
80) 1,3,5-Trimethylbenzene	11.51	105	20692	2.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	77243	9.48	ug/l	98
95) Naphthalene	13.84	128	1248134	109.45	ug/l	100

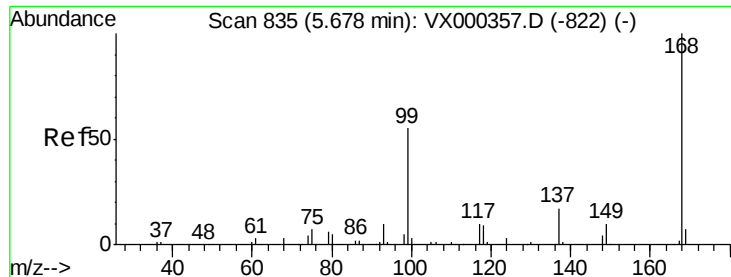
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000514.D

Acq: 29 Mar 2018 15:58

Instrument :

MSVOA_X

ClientSampled :

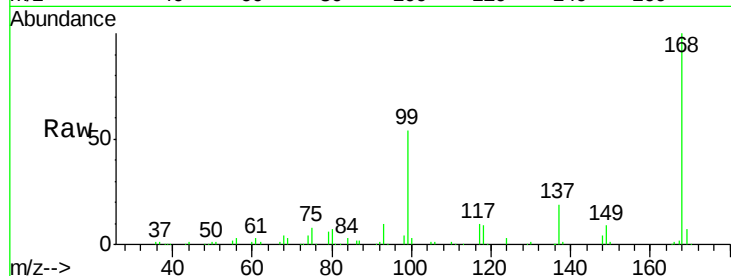
19626-7-8-74DL

Tot Ion:168 Resp: 131859

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

5.67

40000

30000

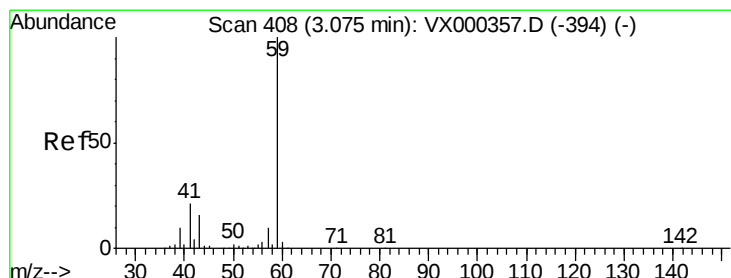
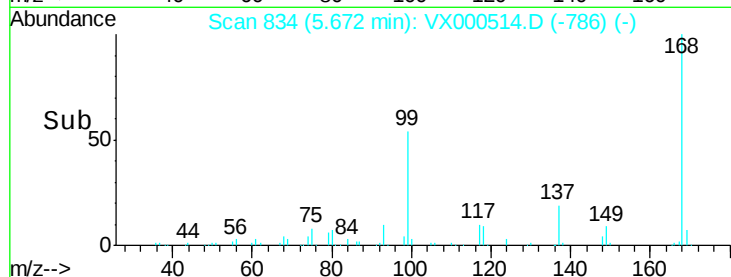
20000

10000

0

Time-->

5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 10.70 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000514.D

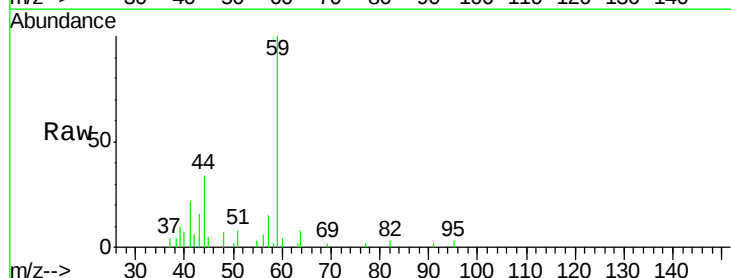
Acq: 29 Mar 2018 15:58

Tgt Ion: 59 Resp: 6333

Ion Ratio Lower Upper

59 100

57 17.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

3000

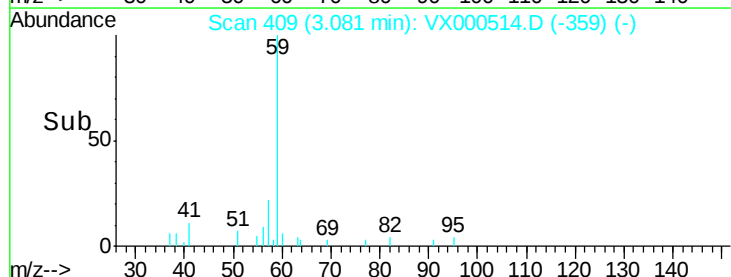
2000

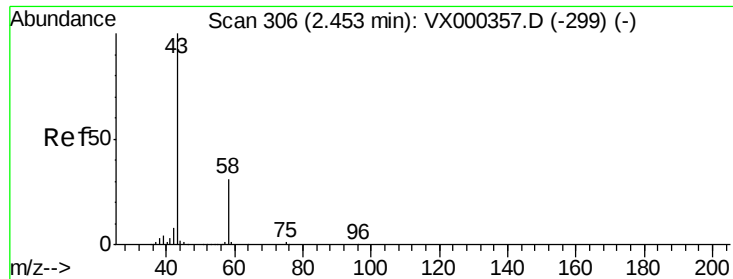
1000

0

Time-->

3.00 3.05 3.10 3.15





#16

Acetone

Concen: 18.05 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000514.D

Acq: 29 Mar 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

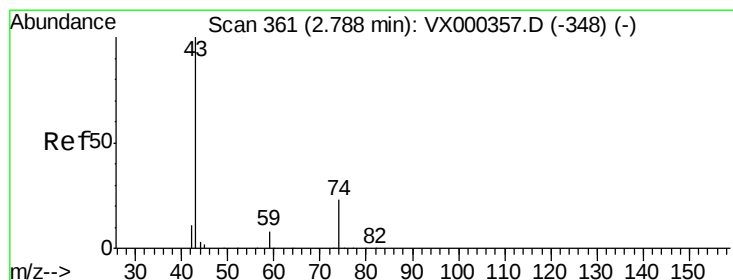
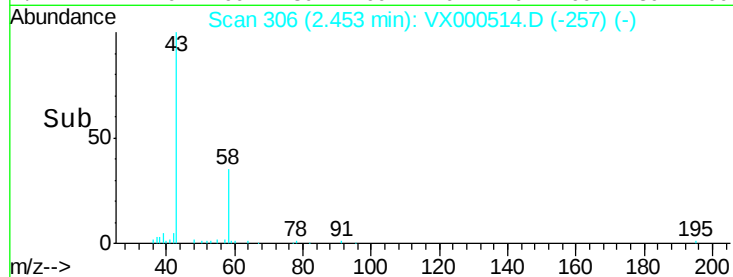
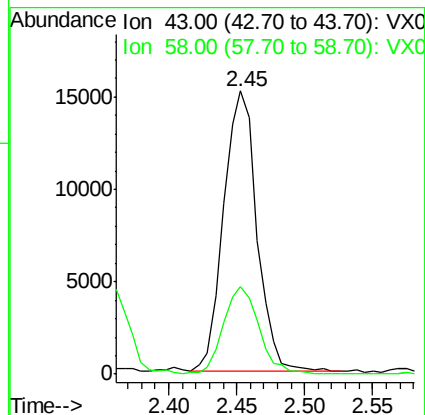
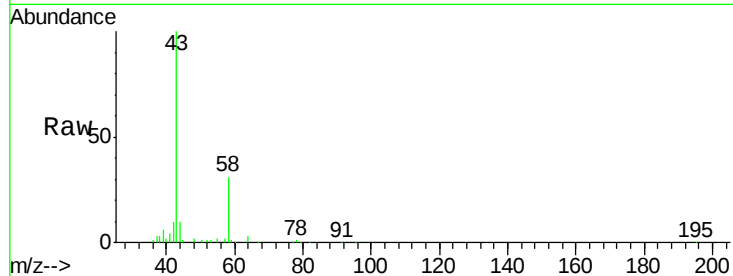
19626-7-8-74DL

Tot Ion: 43 Resp: 25839

Ion Ratio Lower Upper

43 100

58 31.3 24.7 37.1



#18

Methyl Acetate

Concen: 10.22 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000514.D

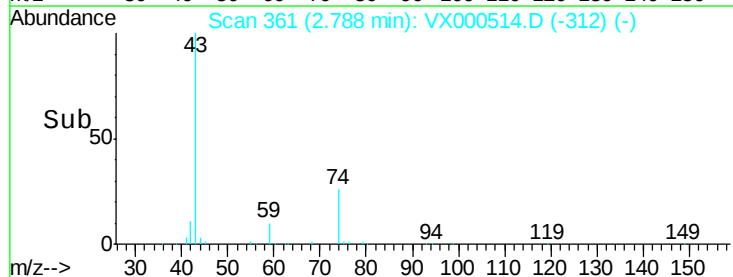
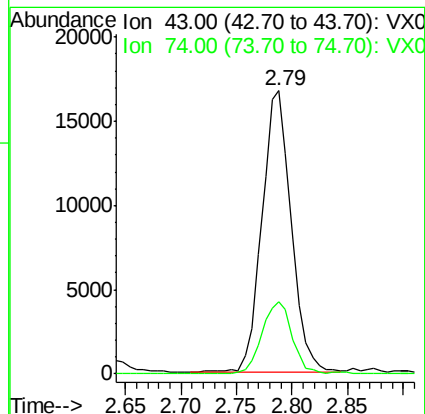
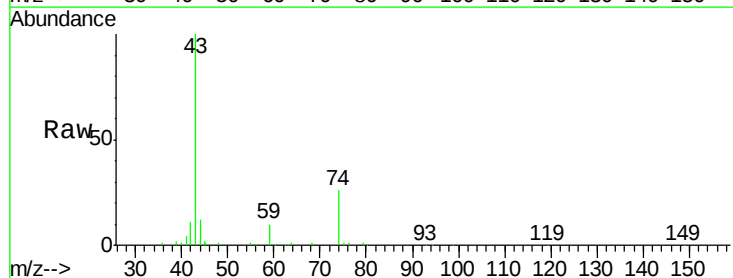
Acq: 29 Mar 2018 15:58

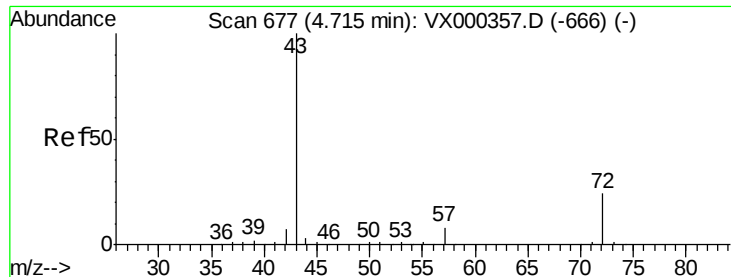
Tgt Ion: 43 Resp: 30664

Ion Ratio Lower Upper

43 100

74 26.2 19.4 29.2





#25

2-Butanone

Concen: 3.09 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000514.D

Acq: 29 Mar 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

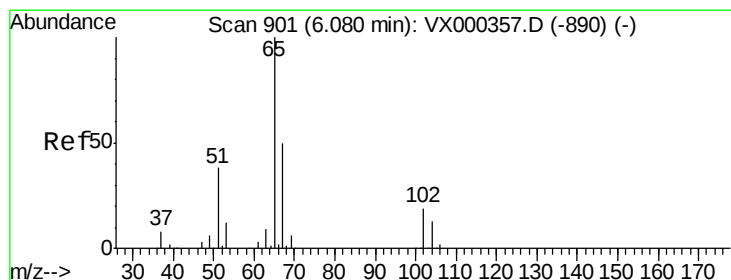
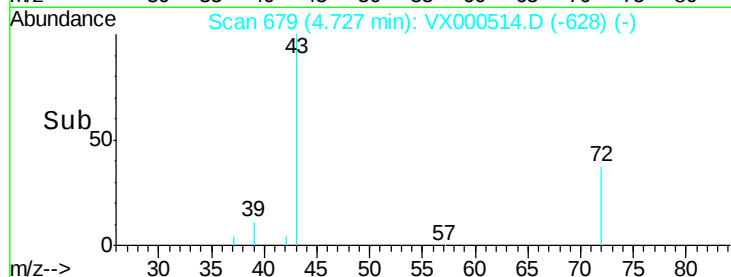
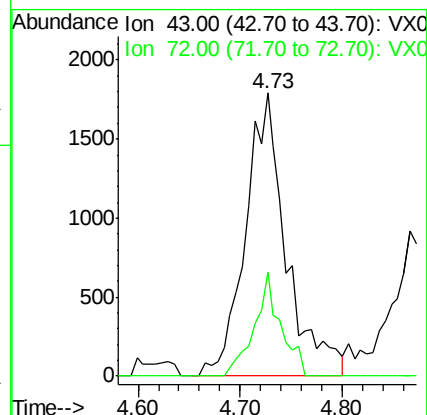
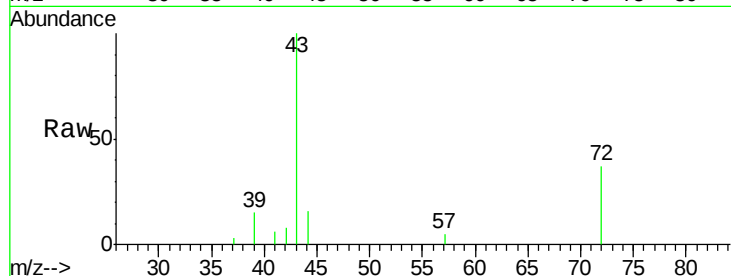
19626-7-8-74DL

Tot Ion: 43 Resp: 4979

Ion Ratio Lower Upper

43 100

72 36.9 21.0 31.6#



#33

1,2-Dichloroethane-d4

Concen: 57.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000514.D

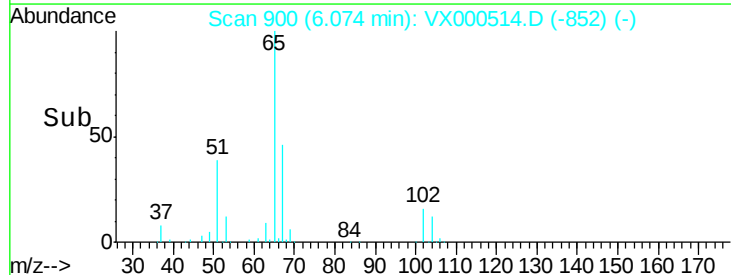
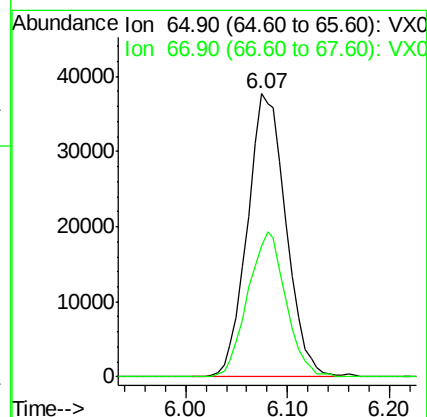
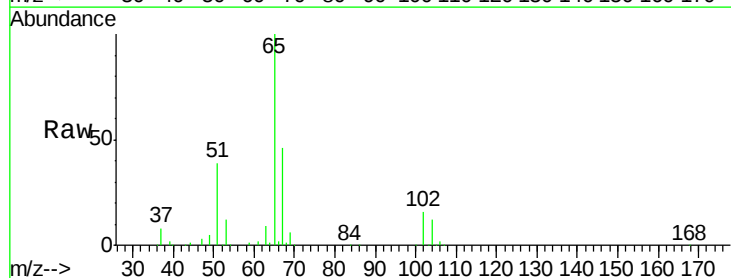
Acq: 29 Mar 2018 15:58

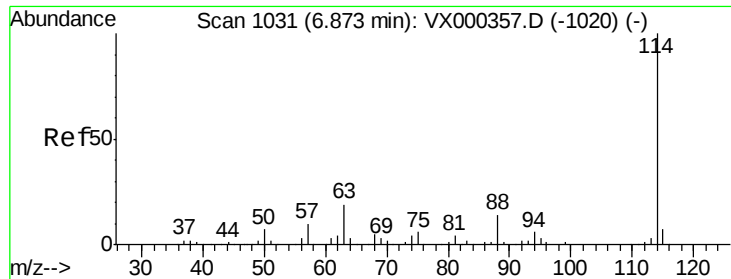
Tgt Ion: 65 Resp: 99120

Ion Ratio Lower Upper

65 100

67 50.4 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: VX000514.D

Acq: 29 Mar 2018 15:58

Instrument :

MSVOA_X

ClientSampled :

19626-7-8-74DL

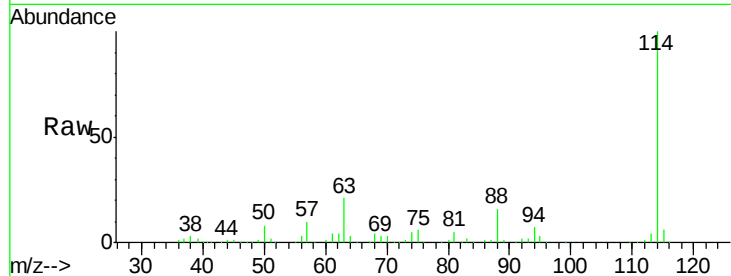
Tot Ion:114 Resp: 240400

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

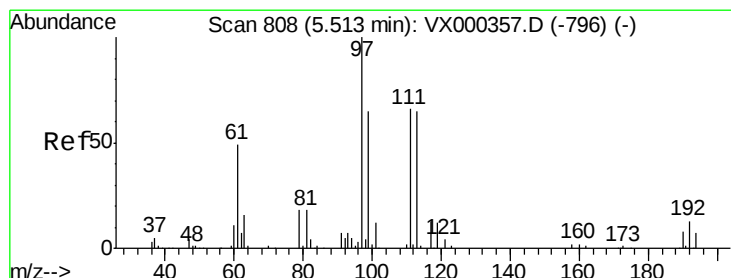
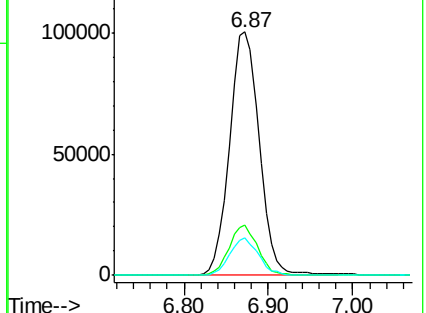
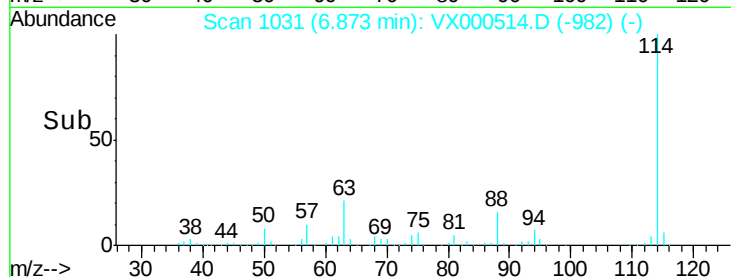
88 15.6 0.0 27.0



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: 49.18 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000514.D

Acq: 29 Mar 2018 15:58

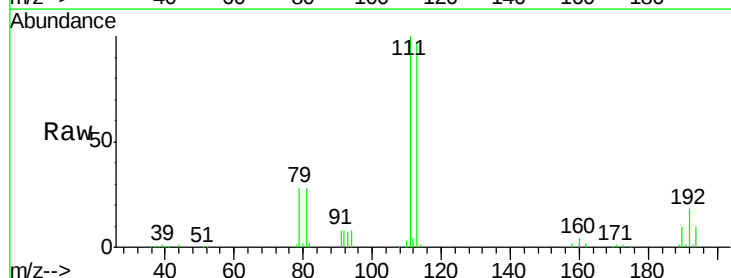
Tgt Ion:113 Resp: 74496

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

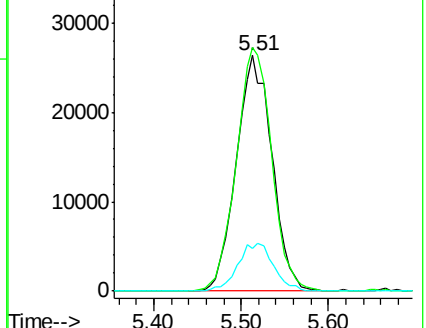
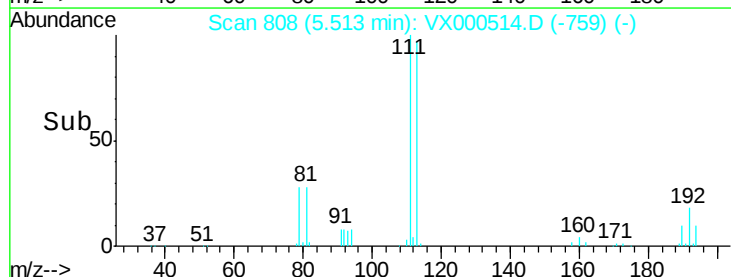
192 20.1 15.8 23.6

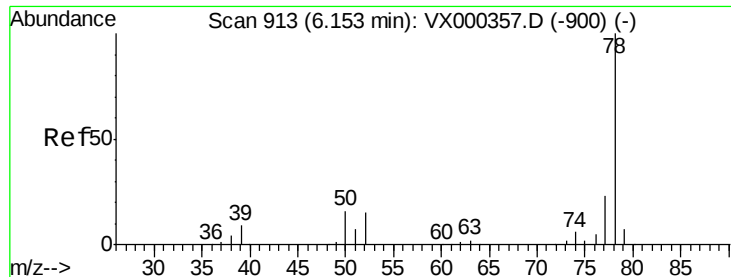


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 35.69 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX000514.D

Acq: 29 Mar 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

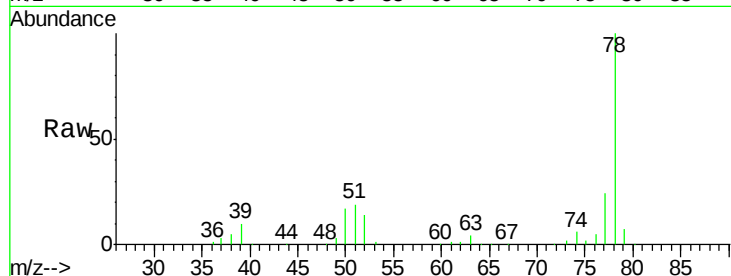
19626-7-8-74DL

Tot Ion: 78 Resp: 233419

Ion Ratio Lower Upper

78 100

77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

80000

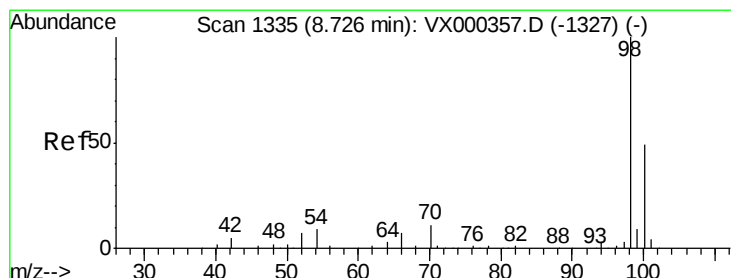
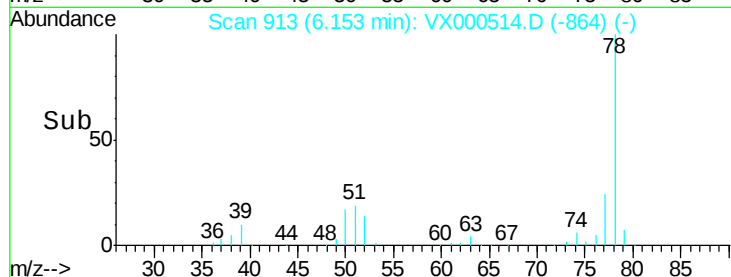
60000

40000

20000

0

Time--> 6.00 6.10 6.20 6.30



#50

Toluene-d8

Concen: 49.32 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000514.D

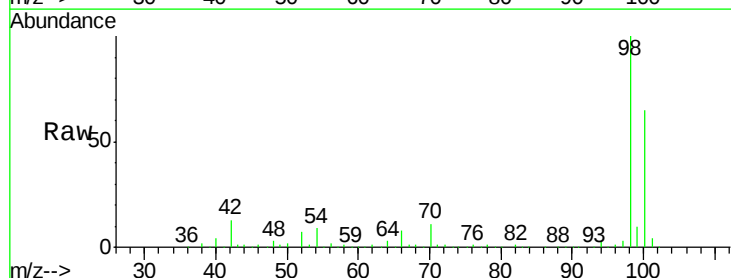
Acq: 29 Mar 2018 15:58

Tgt Ion: 98 Resp: 309380

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.73

200000

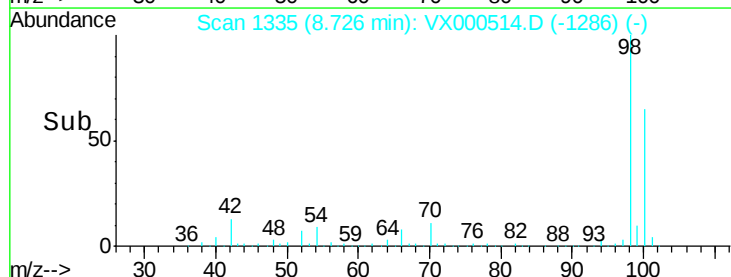
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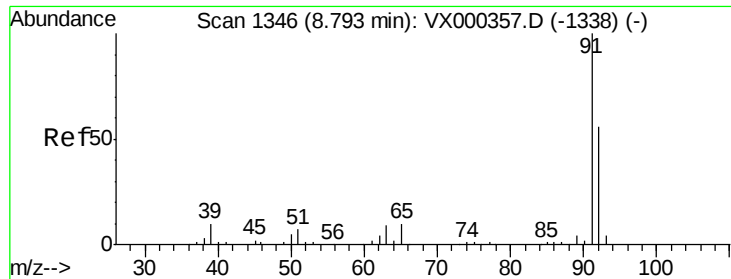
100000

50000

0

Time--> 8.60 8.70 8.80 8.90





#52

Toluene

Concen: 40.22 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000514.D

Acq: 29 Mar 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

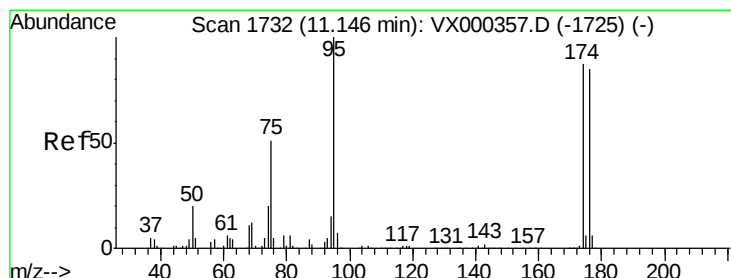
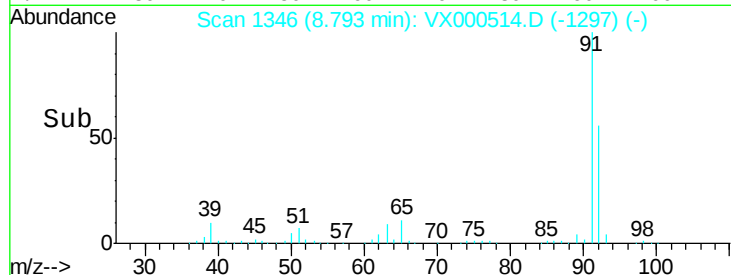
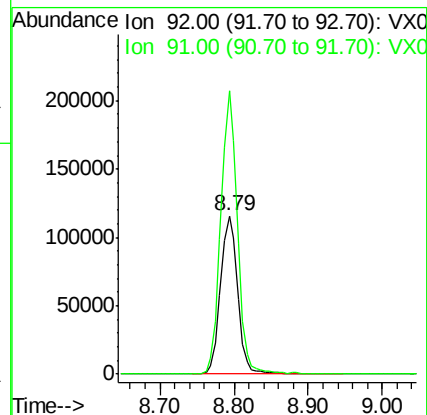
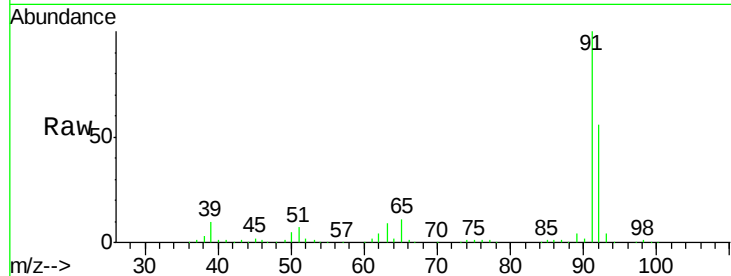
19626-7-8-74DL

Tot Ion: 92 Resp: 183860

Ion Ratio Lower Upper

92 100

91 172.3 140.2 210.2



#62

4-Bromofluorobenzene

Concen: 45.71 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000514.D

Acq: 29 Mar 2018 15:58

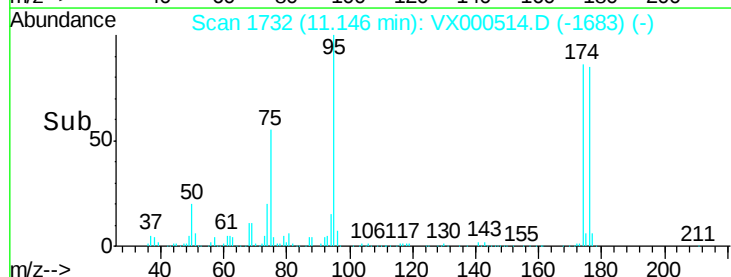
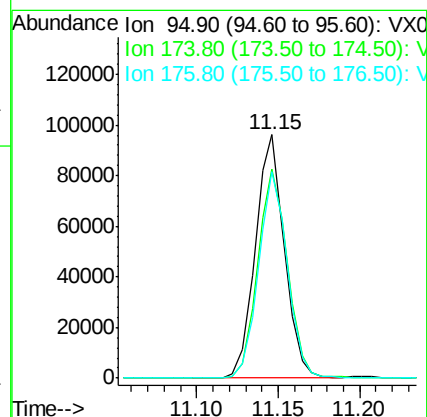
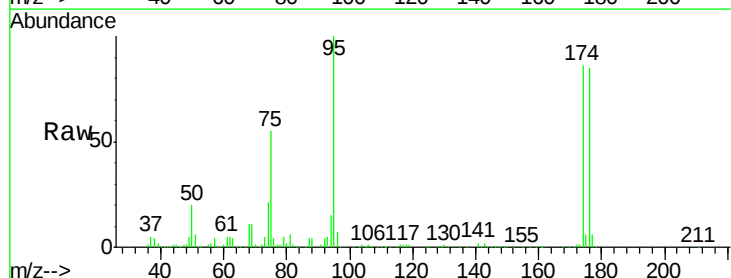
Tgt Ion: 95 Resp: 119584

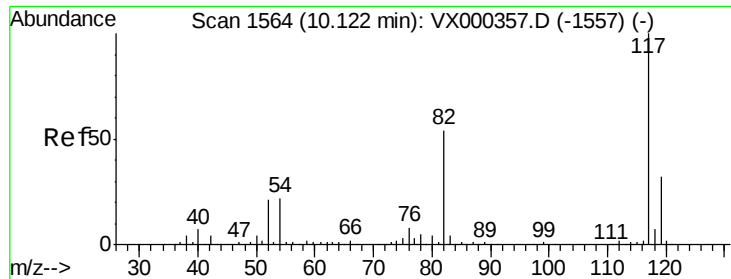
Ion Ratio Lower Upper

95 100

174 87.6 0.0 173.6

176 83.9 0.0 164.6

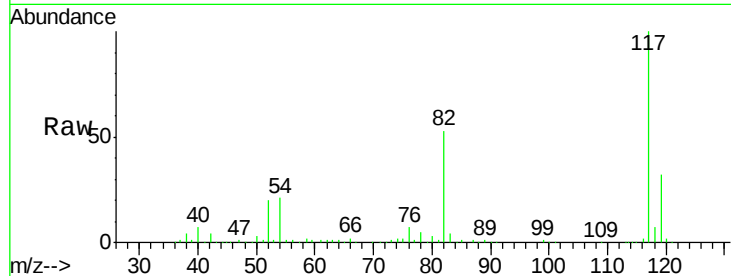




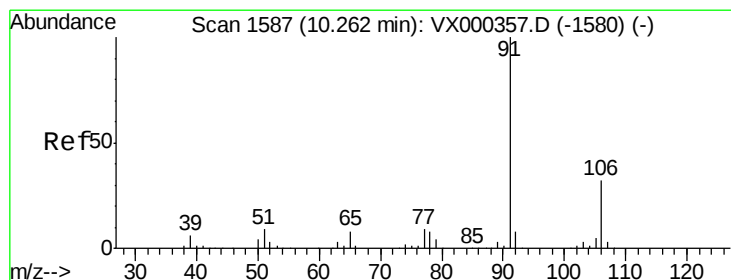
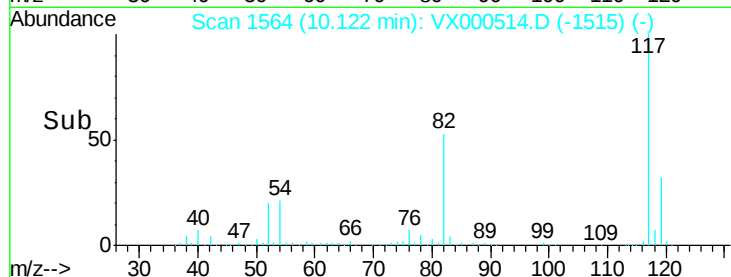
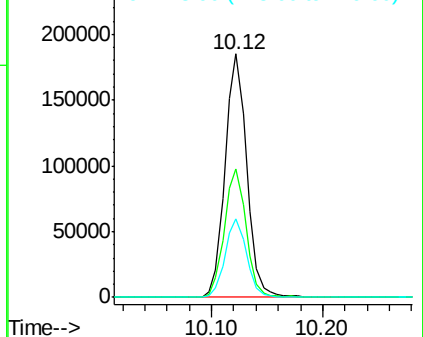
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000514.D
Acq: 29 Mar 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
19626-7-8-74DL

Tot Ion:117 Resp: 250021
Ion Ratio Lower Upper
117 100
82 52.8 43.8 65.8
119 32.3 24.9 37.3

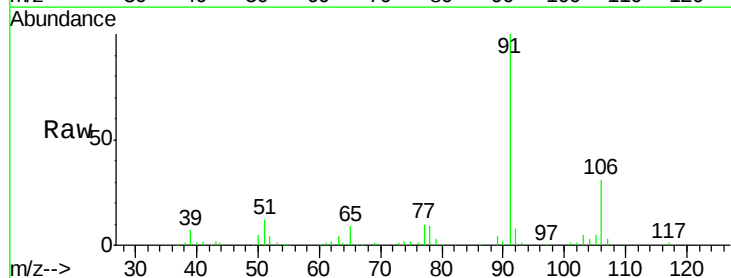


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

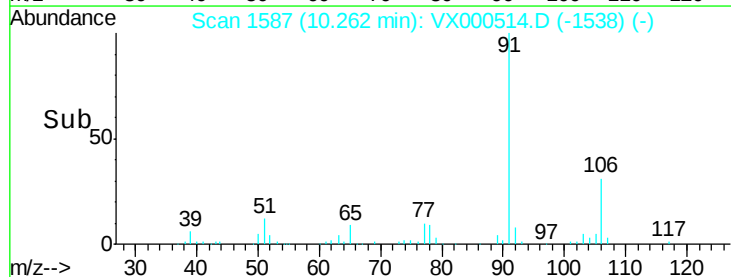
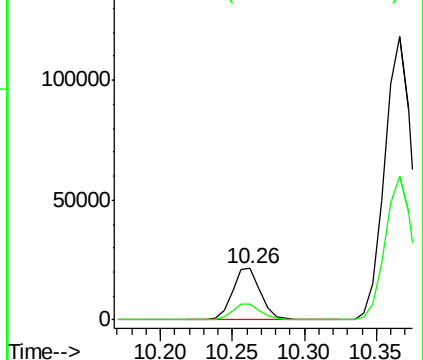


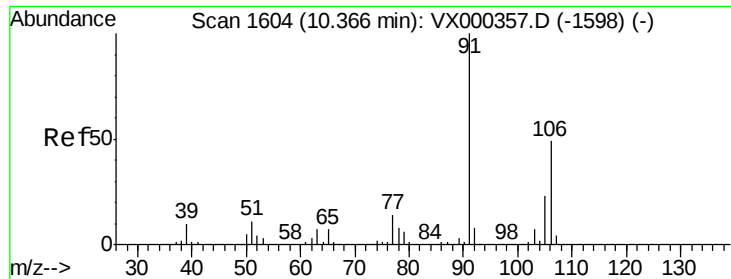
#67
Ethyl Benzene
Concen: 3.19 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000514.D
Acq: 29 Mar 2018 15:58

Tgt Ion: 91 Resp: 30102
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



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

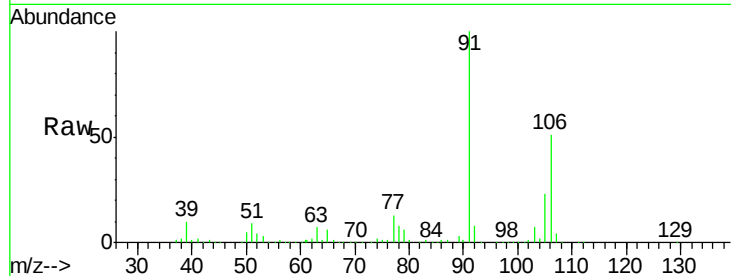




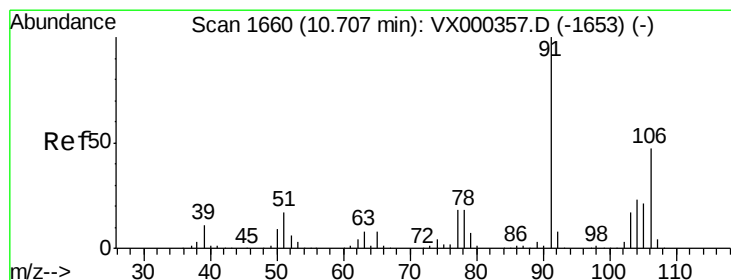
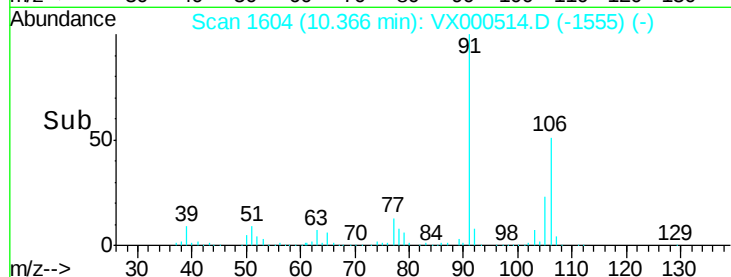
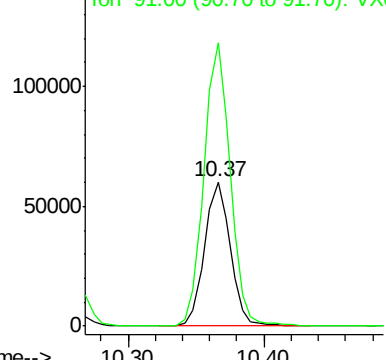
#68
m/p-Xylenes
Concen: 21.41 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000514.D
Acq: 29 Mar 2018 15:58

Instrument :
MSVOA_X
ClientSampled :
19626-7-8-74DL

Tot Ion:106 Resp: 79471
Ion Ratio Lower Upper
106 100
91 201.6 163.4 245.2

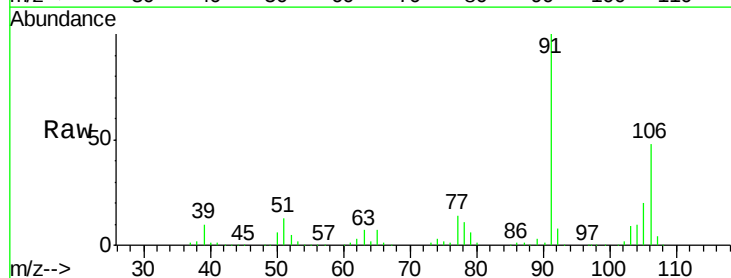


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

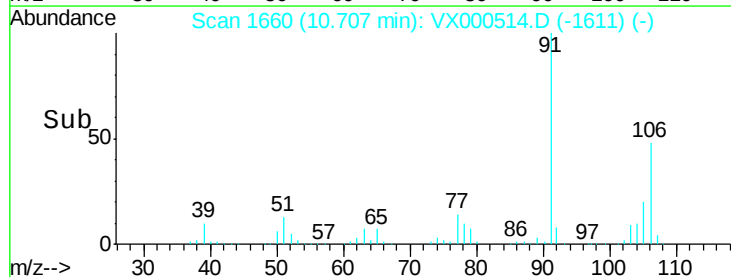
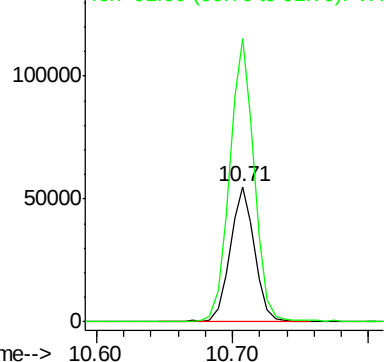


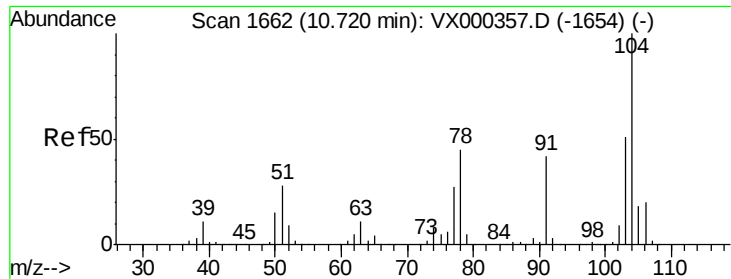
#69
o-Xylene
Concen: 19.32 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000514.D
Acq: 29 Mar 2018 15:58

Tgt Ion:106 Resp: 69447
Ion Ratio Lower Upper
106 100
91 212.2 106.5 319.6



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

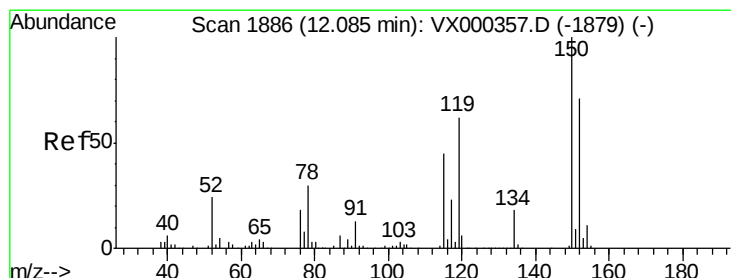
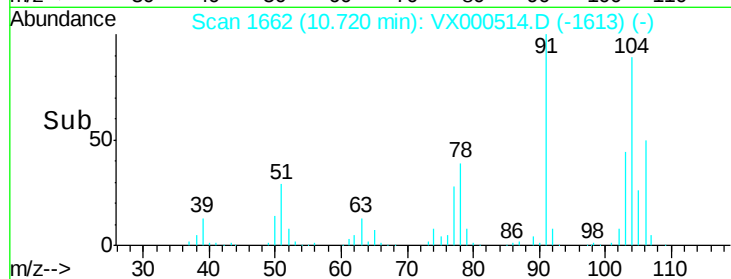
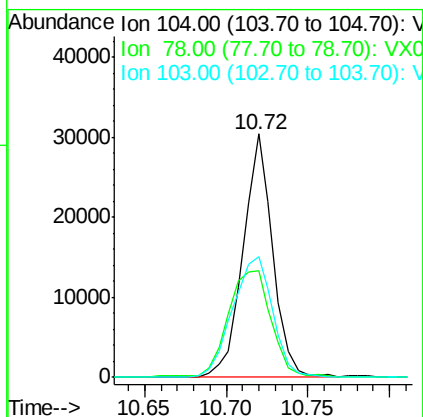
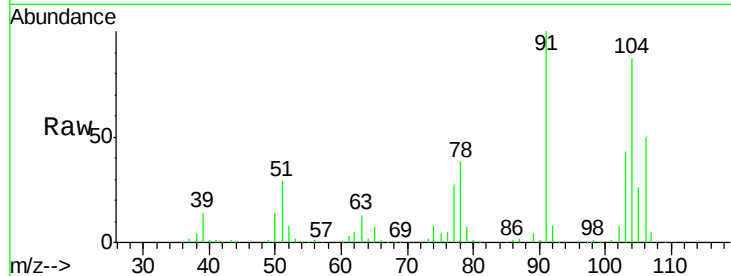




#70
Stvrene
Concen: 6.48 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000514.D
Acq: 29 Mar 2018 15:58

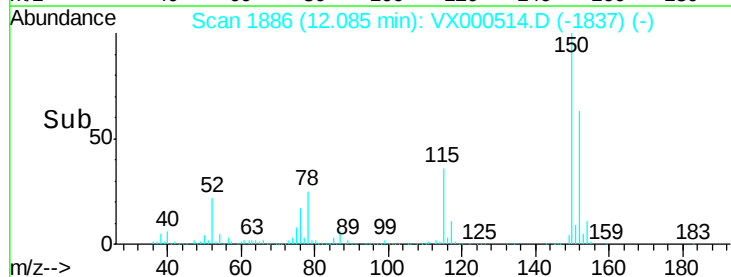
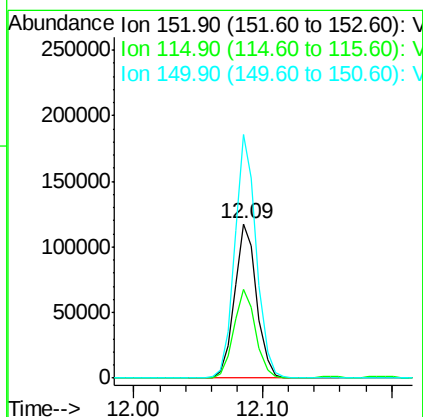
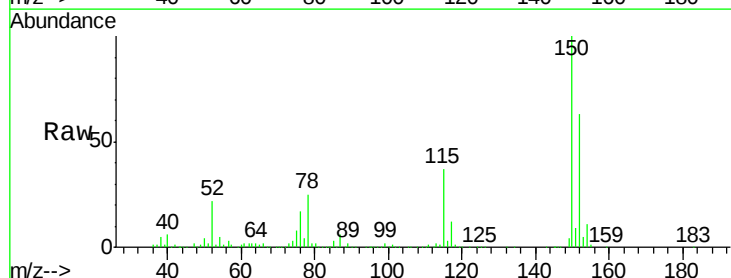
Instrument :
MSVOA_X
ClientSampled :
19626-7-8-74DL

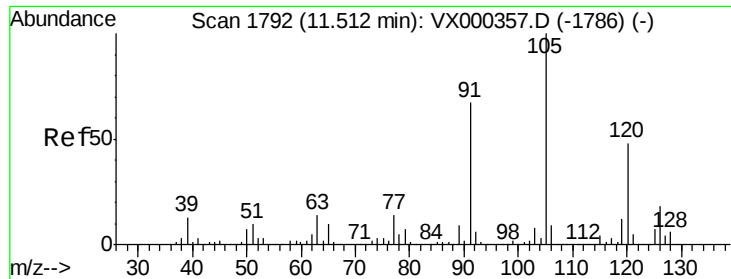
Tot Ion:104 Resp: 38533
Ion Ratio Lower Upper
104 100
78 63.0 40.5 60.7#
103 67.0 45.7 68.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000514.D
Acq: 29 Mar 2018 15:58

Tgt Ion:152 Resp: 139568
Ion Ratio Lower Upper
152 100
115 57.5 39.8 119.3
150 154.5 0.0 344.4

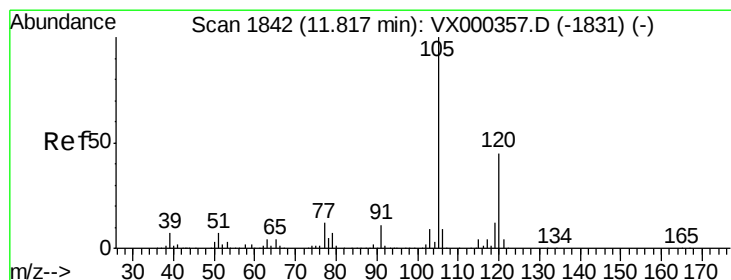
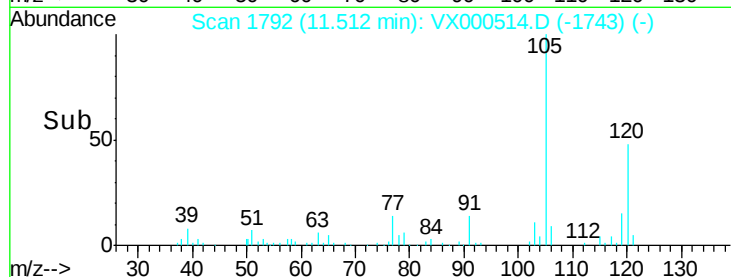
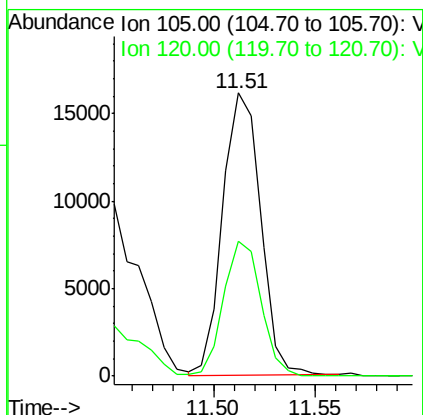
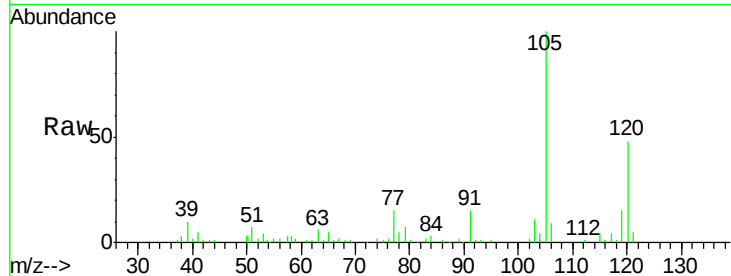




#80
 1,3,5-Trimethylbenzene
 Concen: 2.66 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000514.D
 Acq: 29 Mar 2018 15:58

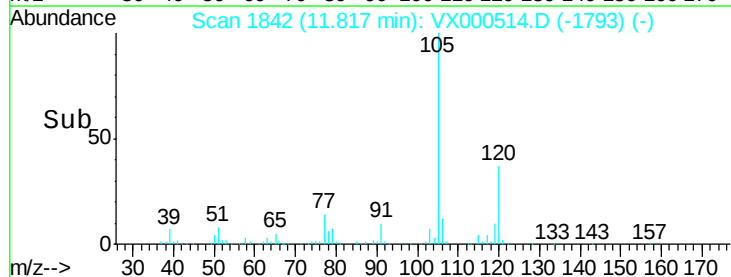
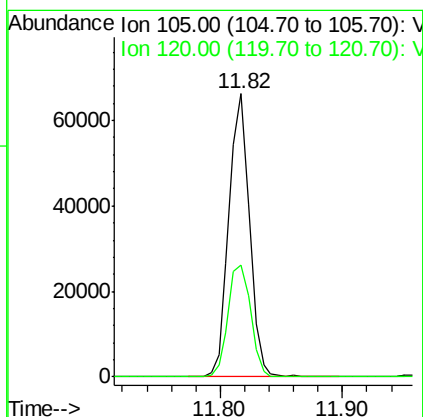
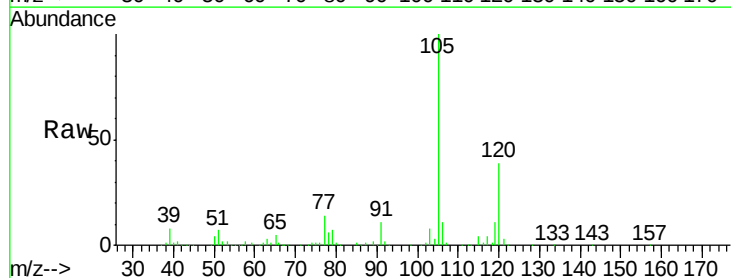
Instrument :
 MSVOA_X
 ClientSampleId :
 19626-7-8-74DL

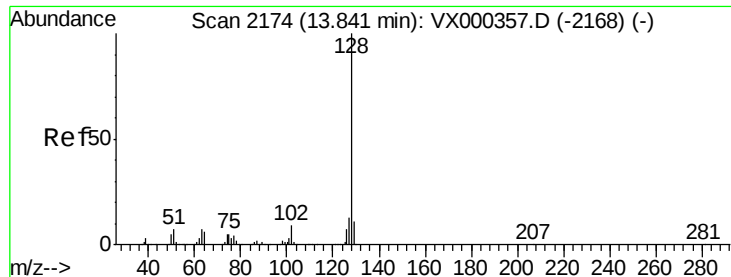
Tot Ion:105 Resp: 20692
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.1 72.4



#84
 1,2,4-Trimethylbenzene
 Concen: 9.48 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000514.D
 Acq: 29 Mar 2018 15:58

Tgt Ion:105 Resp: 77243
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.4 67.3

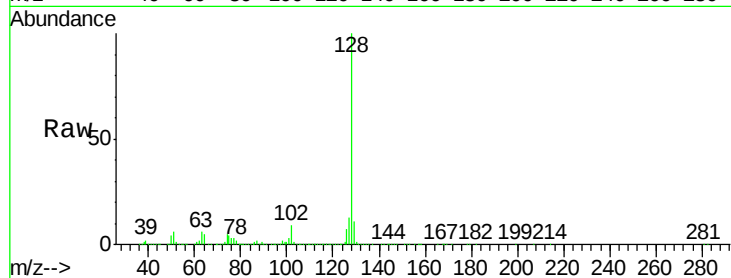




#95
 Naphthalene
 Concen: 109.45 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX000514.D
 Acq: 29 Mar 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 19626-7-8-74DL

Tot Ion:128 Resp: 1248134
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 10.9 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

