

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000473.D
 Acq On : 27 Mar 2018 21:36
 Operator : JC/MD
 Sample : J2062-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Mar 28 08:05:32 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	97414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	181868	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	73539	57.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.66%	
35) Dibromofluoromethane	5.51	113	57279	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	8.73	98	232490	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.15	95	96882	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

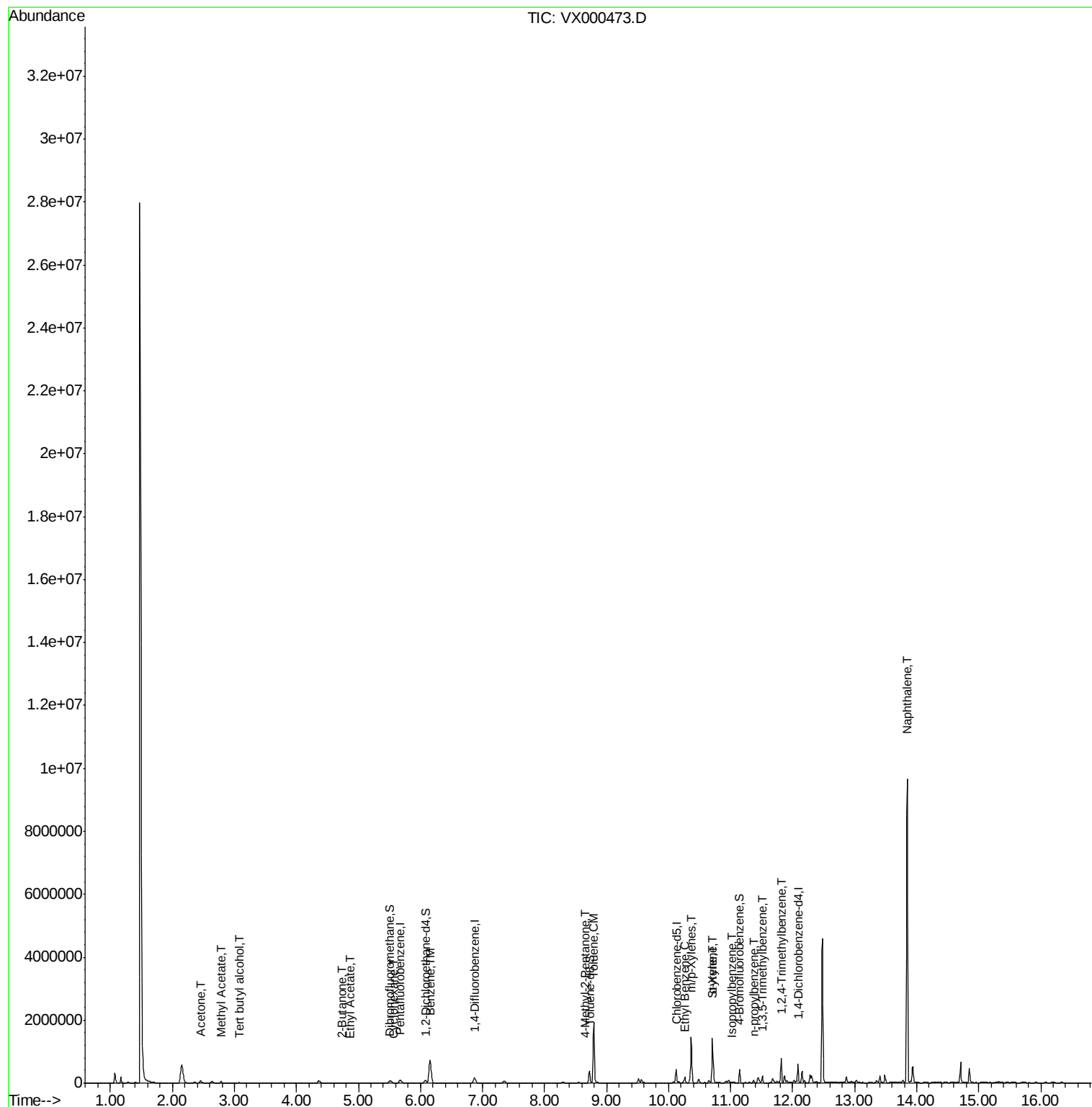
						Qvalue
11) Tert butyl alcohol	3.09	59	18730	42.82	ug/l	95
16) Acetone	2.45	43	82642	78.13	ug/l	98
18) Methyl Acetate	2.79	43	62848	28.34	ug/l	98
25) 2-Butanone	4.73	43	16764	14.10	ug/l	93
31) Cyclohexane	5.57	56	2246	1.40	ug/l #	66
37) Ethyl Acetate	4.87	43	7009	3.01	ug/l	96
40) Benzene	6.15	78	859596	173.75	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	4935	1.84	ug/l	94
52) Toluene	8.79	92	679975	196.60	ug/l	99
67) Ethyl Benzene	10.26	91	119088	16.51	ug/l	98
68) m/p-Xylenes	10.37	106	318853	112.35	ug/l	98
69) o-Xylene	10.71	106	279460	101.70	ug/l	99
70) Styrene	10.72	104	160356	35.27	ug/l #	81
73) Isopropylbenzene	11.02	105	9508	1.28	ug/l	91
78) n-propylbenzene	11.37	91	38627	4.35	ug/l #	74
80) 1,3,5-Trimethylbenzene	11.51	105	87398	13.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	313579	47.72	ug/l	99
95) Naphthalene	13.85	128	5746153	625.15	ug/l	100

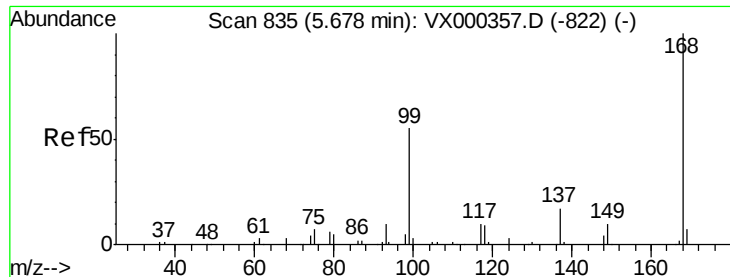
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

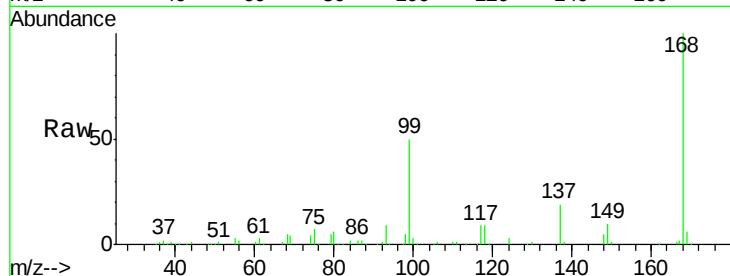
19626-7-8-74

Tot Ion:168 Resp: 97414

Ion Ratio Lower Upper

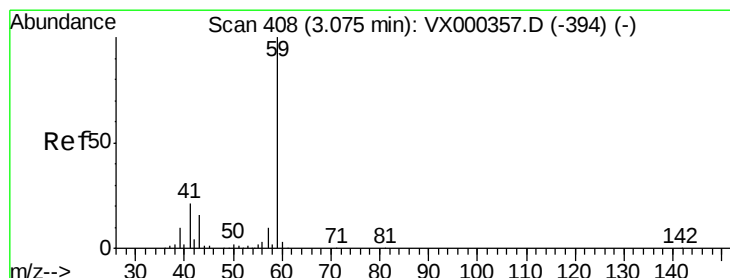
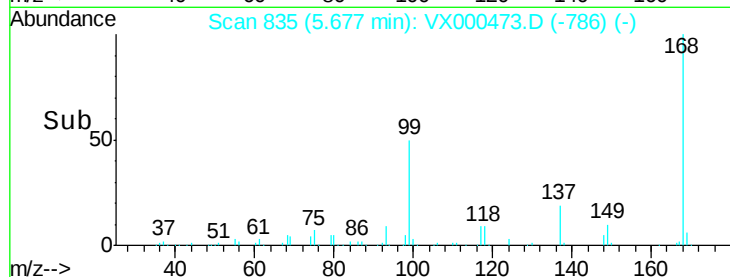
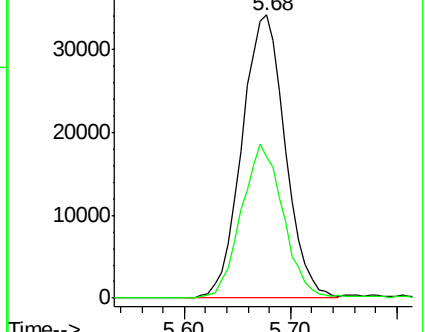
168 100

99 50.0 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: 42.82 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX000473.D

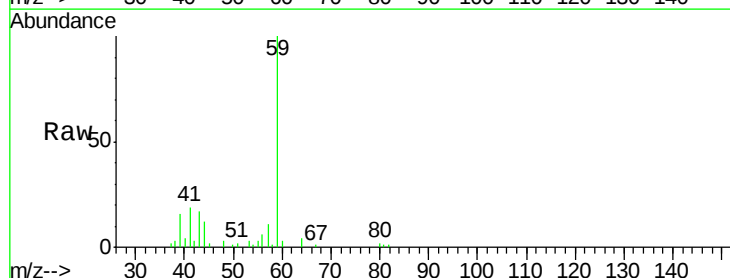
Acq: 27 Mar 2018 21:36

Tgt Ion: 59 Resp: 18730

Ion Ratio Lower Upper

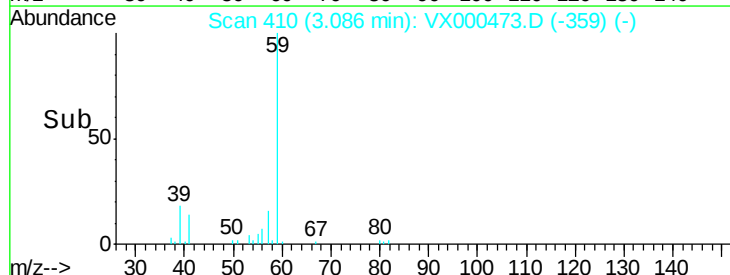
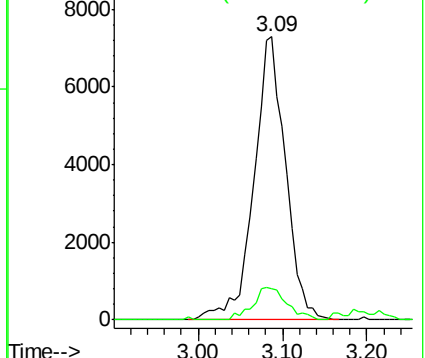
59 100

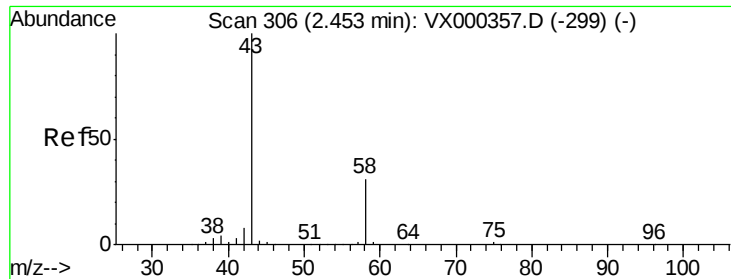
57 12.4 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 78.13 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

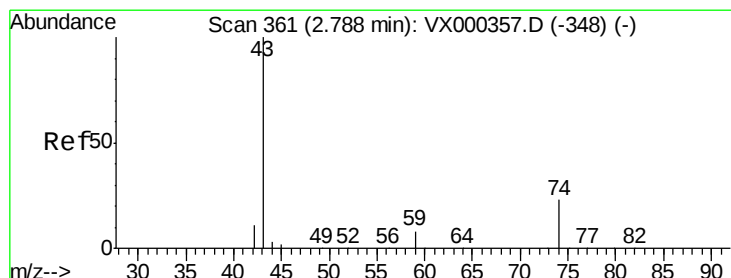
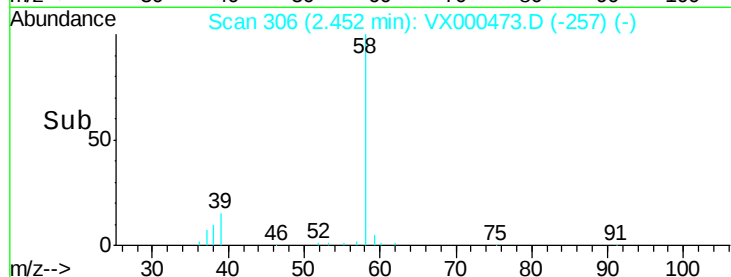
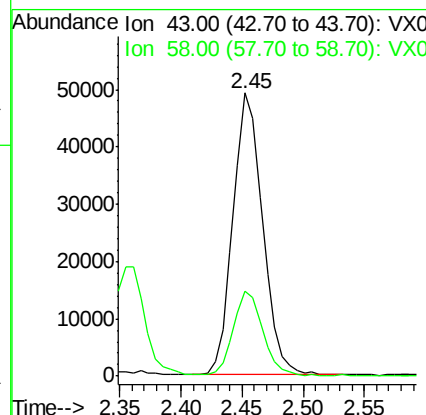
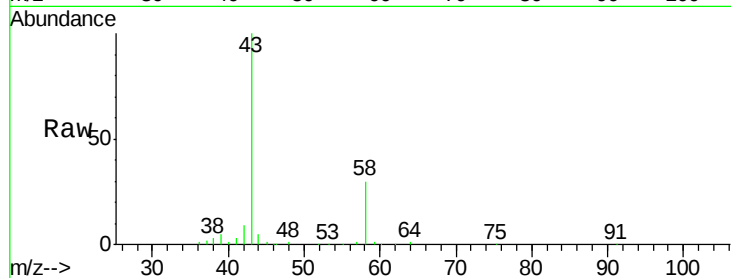
19626-7-8-74

Tot Ion: 43 Resp: 82642

Ion Ratio Lower Upper

43 100

58 29.6 24.7 37.1



#18

Methyl Acetate

Concen: 28.34 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000473.D

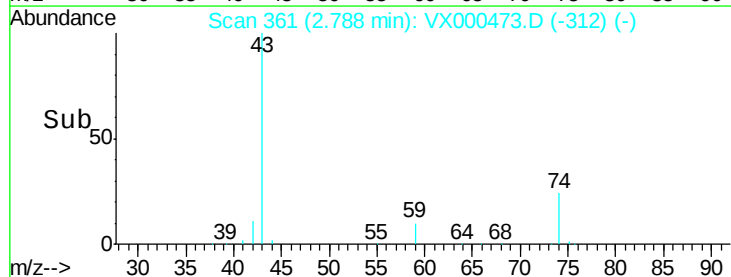
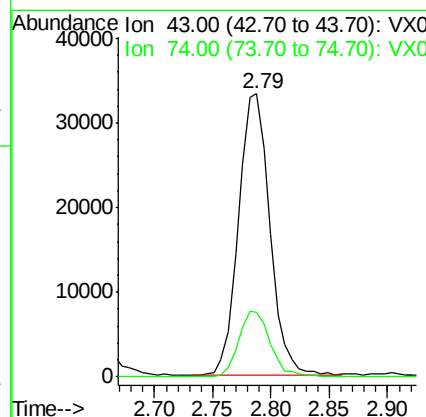
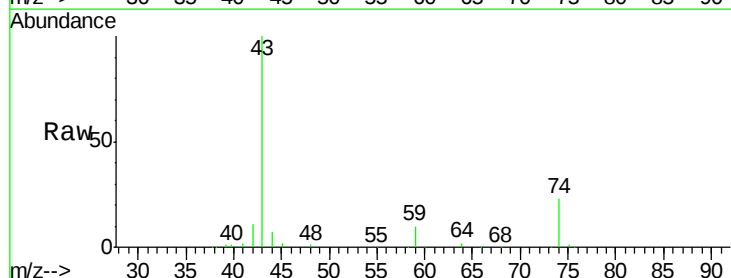
Acq: 27 Mar 2018 21:36

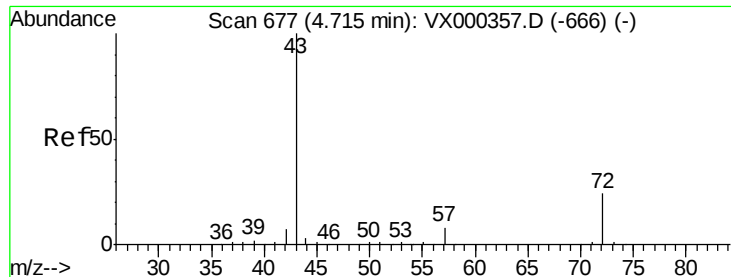
Tgt Ion: 43 Resp: 62848

Ion Ratio Lower Upper

43 100

74 23.2 19.4 29.2





#25

2-Butanone

Concen: 14.10 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

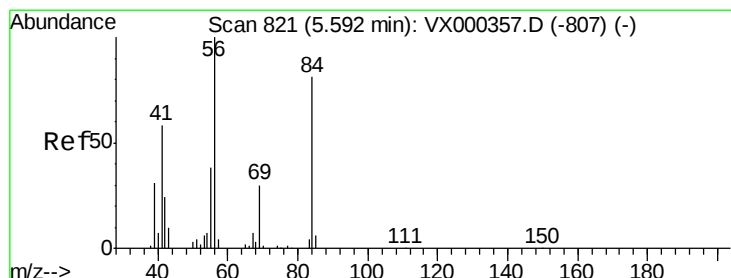
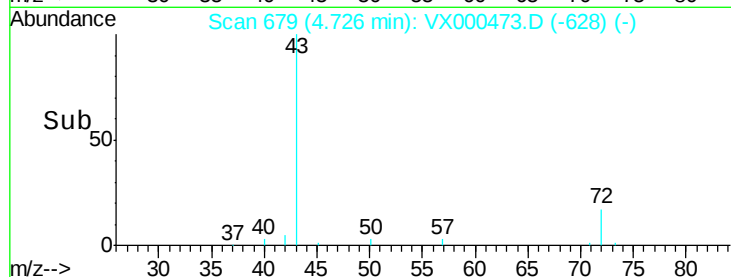
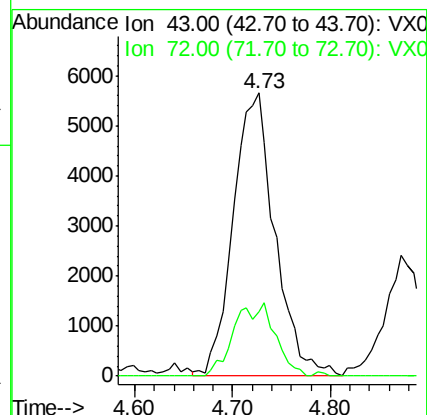
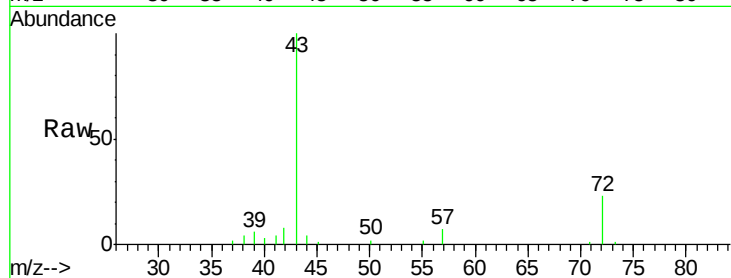
19626-7-8-74

Tot Ion: 43 Resp: 16764

Ion Ratio Lower Upper

43 100

72 22.7 21.0 31.6



#31

Cyclohexane

Concen: 1.40 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.02 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

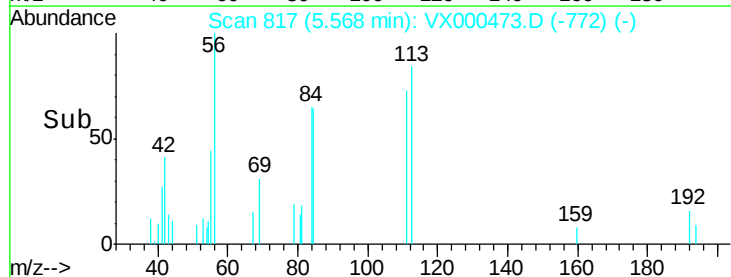
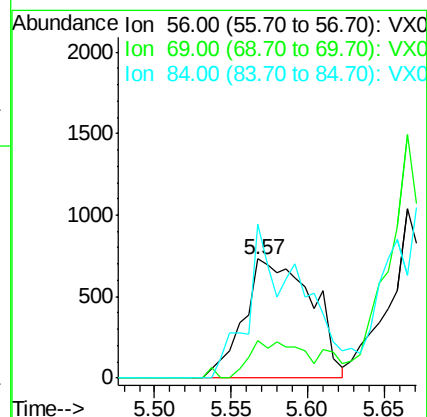
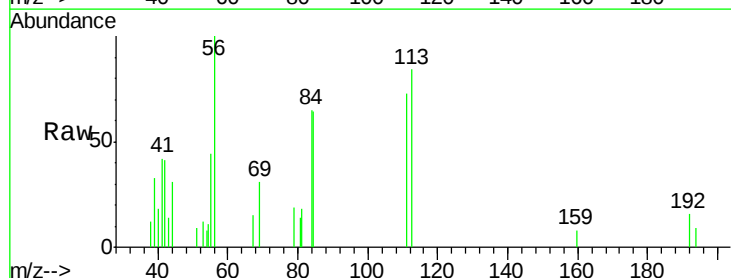
Tgt Ion: 56 Resp: 2246

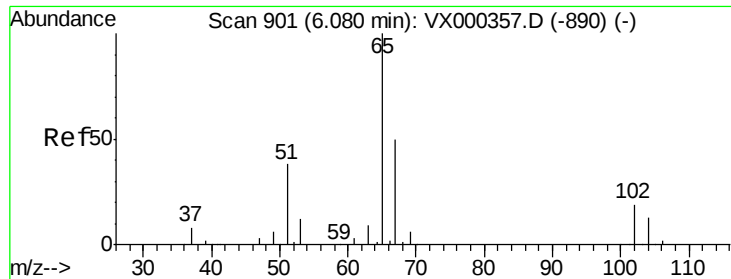
Ion Ratio Lower Upper

56 100

69 31.2 23.4 35.0

84 129.4 71.0 106.4#

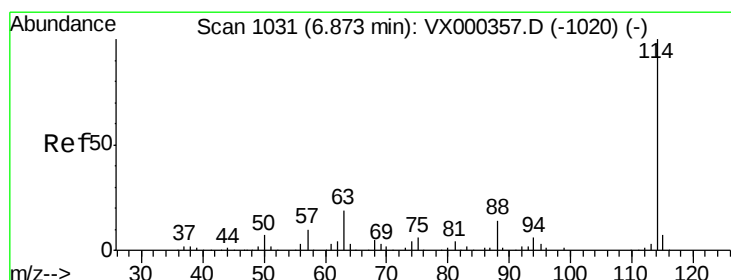
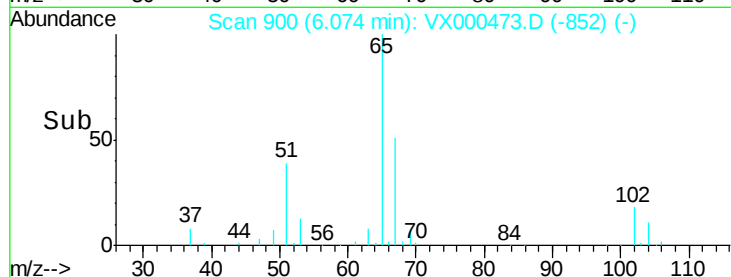
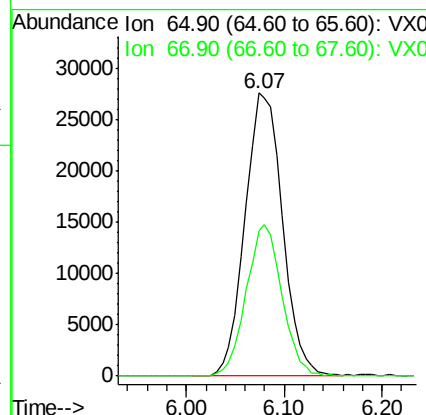
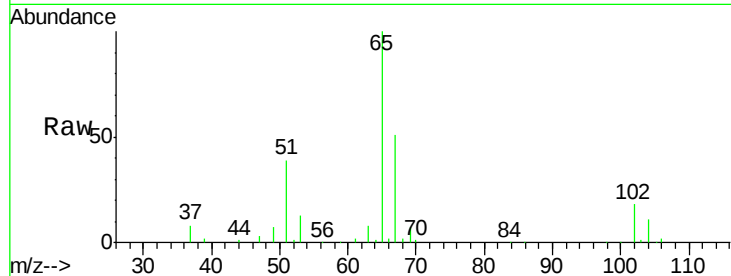




#33
 1,2-Dichloroethane-d4
 Concen: 57.83 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000473.D
 Acq: 27 Mar 2018 21:36

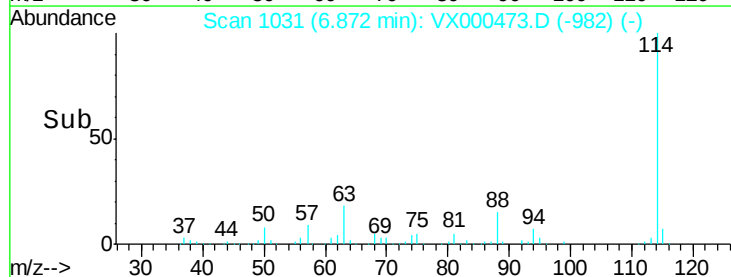
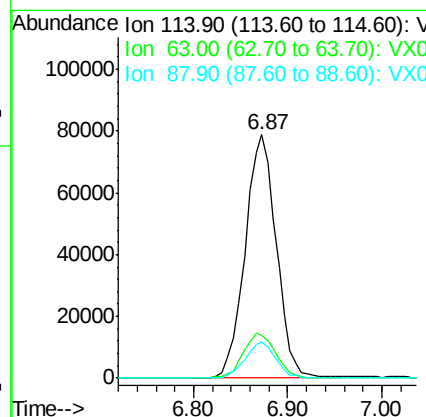
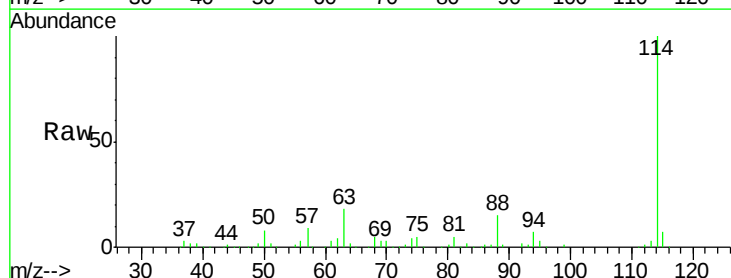
Instrument :
 MSVOA_X
 ClientSampleId :
 19626-7-8-74

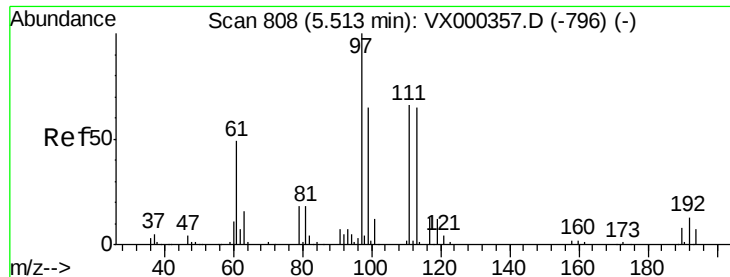
Tot Ion: 65 Resp: 73539
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000473.D
 Acq: 27 Mar 2018 21:36

Tgt Ion: 114 Resp: 181868
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 38.4
 88 14.9 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.98 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

19626-7-8-74

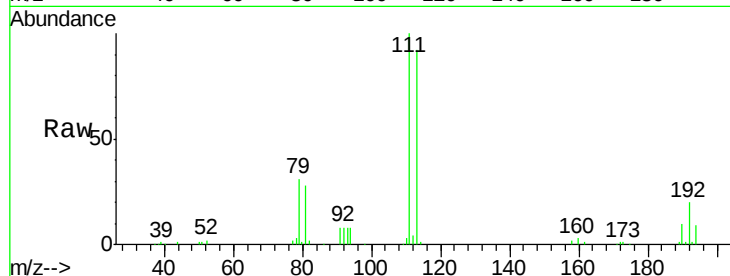
Tot Ion:113 Resp: 57279

Ion Ratio Lower Upper

113 100

111 105.5 82.4 123.6

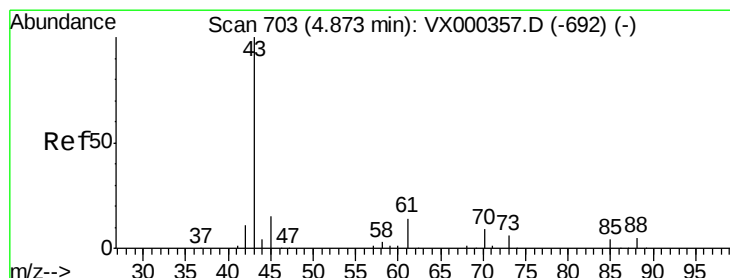
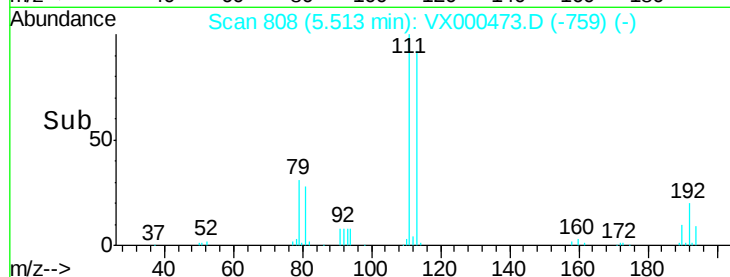
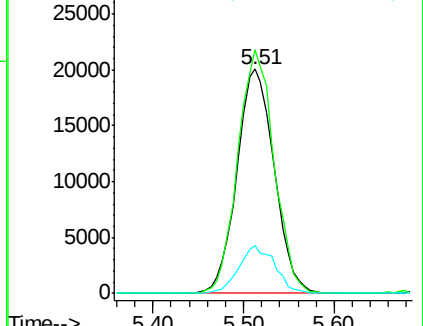
192 20.4 15.8 23.6



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



#37

Ethyl Acetate

Concen: 3.01 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.00 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

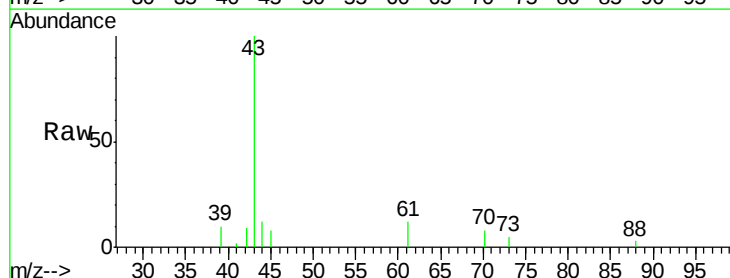
Tgt Ion: 43 Resp: 7009

Ion Ratio Lower Upper

43 100

61 11.3 11.1 16.7

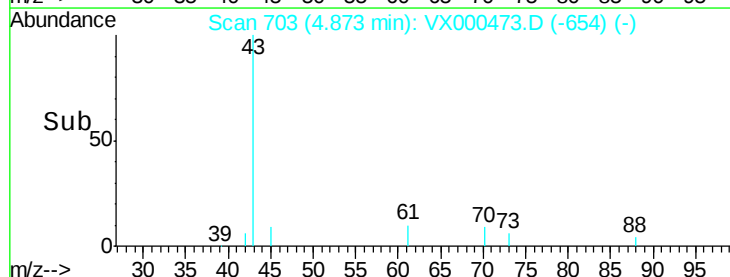
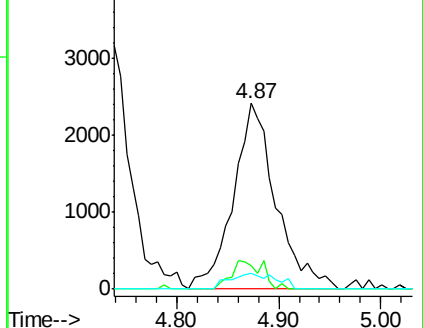
70 9.2 7.7 11.5

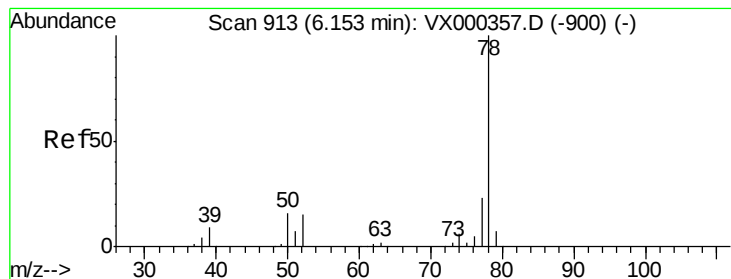


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#40

Benzene

Concen: 173.75 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

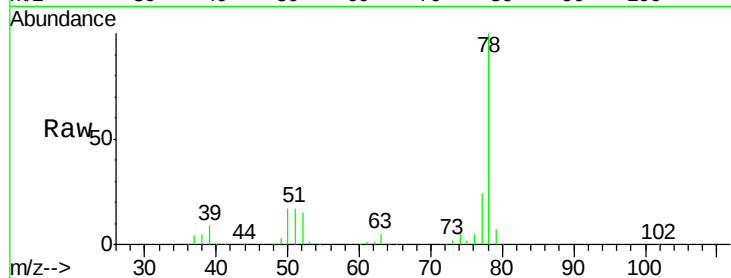
19626-7-8-74

Tot Ion: 78 Resp: 859596

Ion Ratio Lower Upper

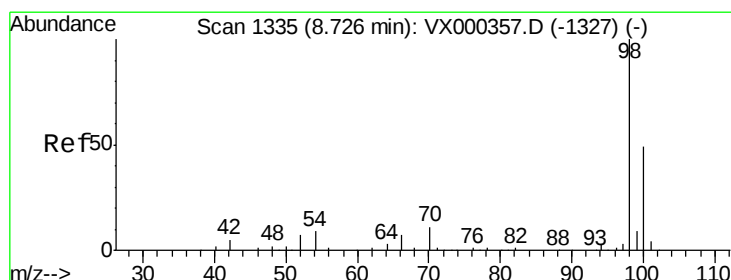
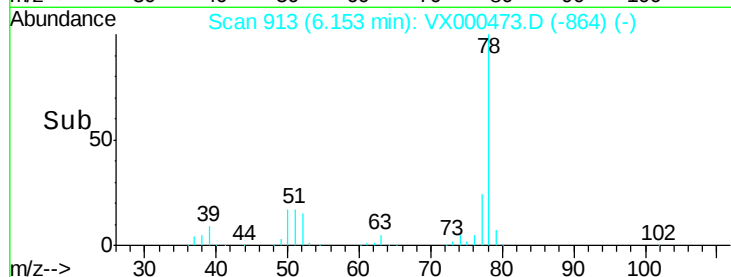
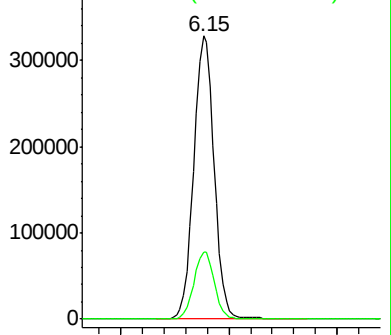
78 100

77 23.7 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: 48.99 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000473.D

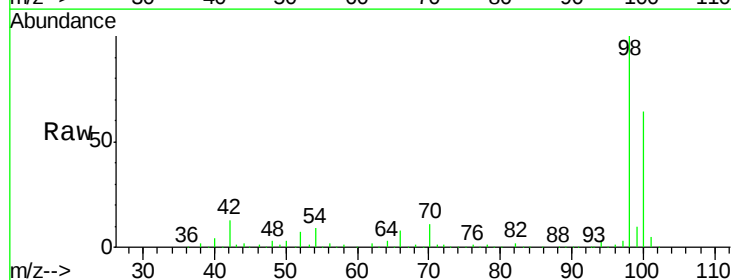
Acq: 27 Mar 2018 21:36

Tgt Ion: 98 Resp: 232490

Ion Ratio Lower Upper

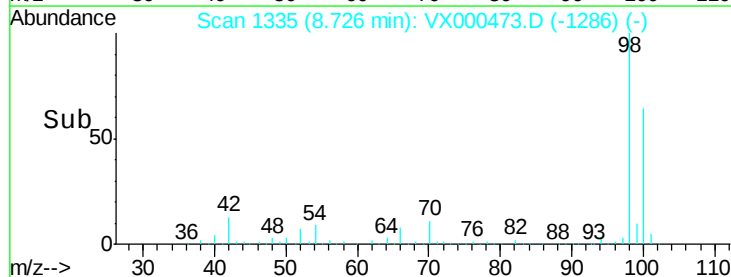
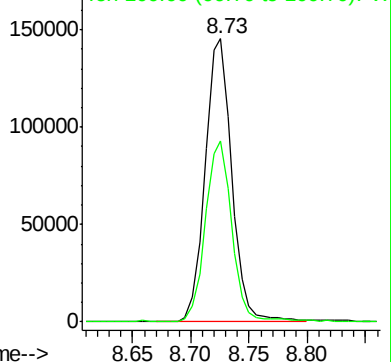
98 100

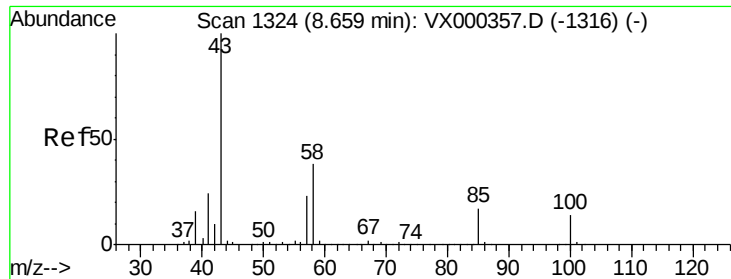
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 1.84 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

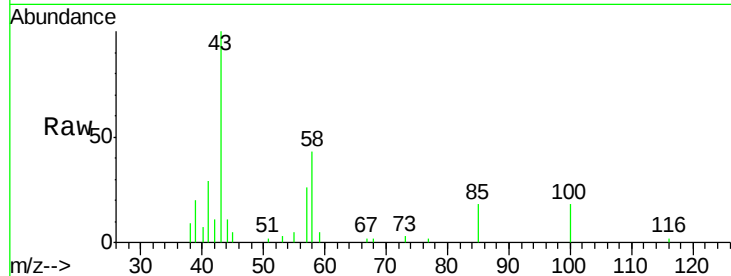
19626-7-8-74

Tot Ion: 43 Resp: 4935

Ion Ratio Lower Upper

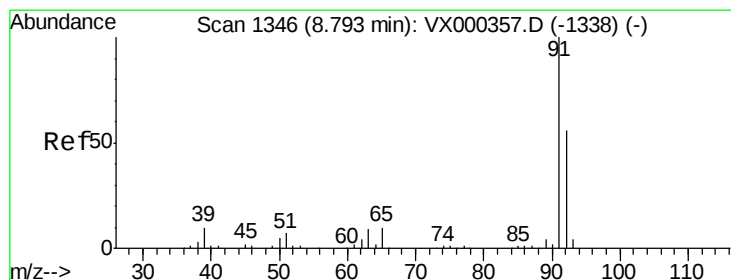
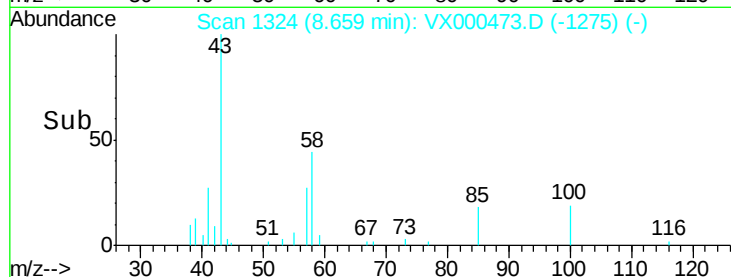
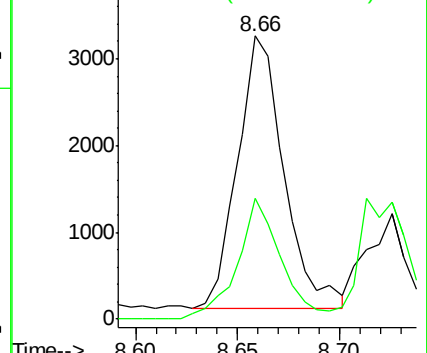
43 100

58 41.8 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 196.60 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000473.D

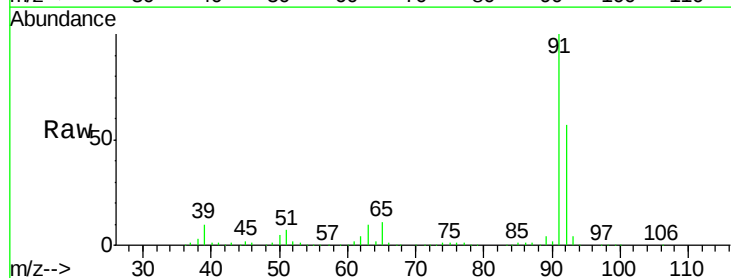
Acq: 27 Mar 2018 21:36

Tgt Ion: 92 Resp: 679975

Ion Ratio Lower Upper

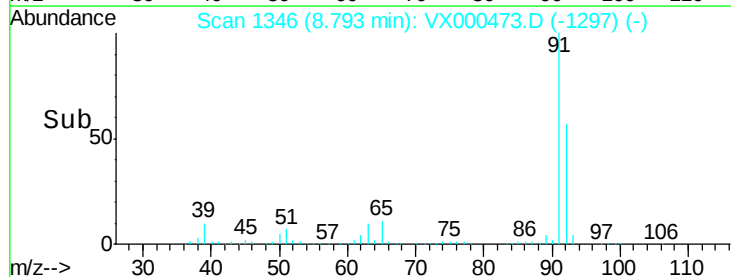
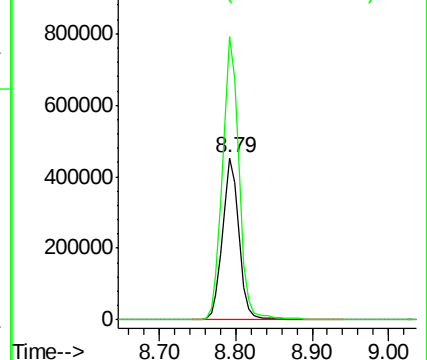
92 100

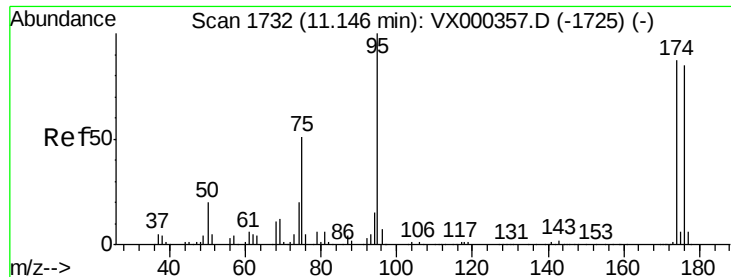
91 175.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

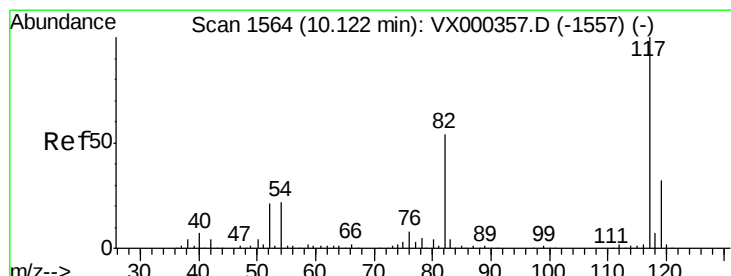
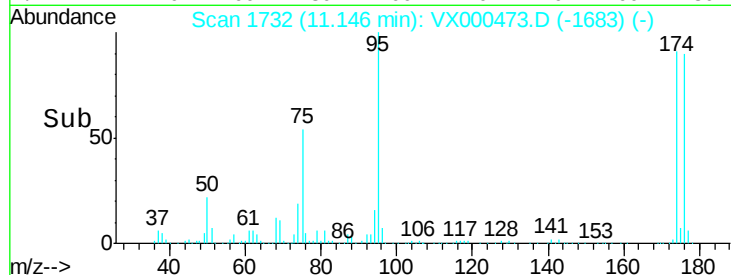
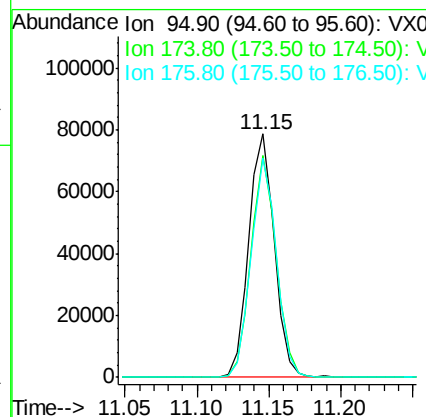
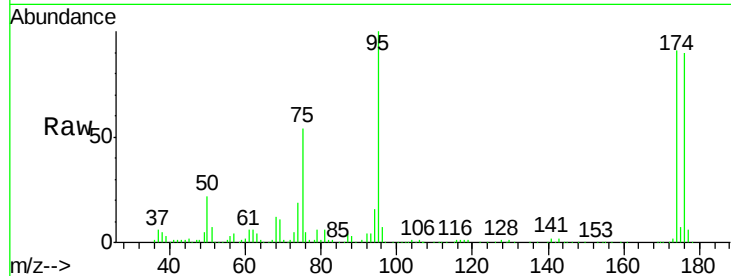




#62
4-Bromofluorobenzene
Concen: 48.51 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000473.D
Acq: 27 Mar 2018 21:36

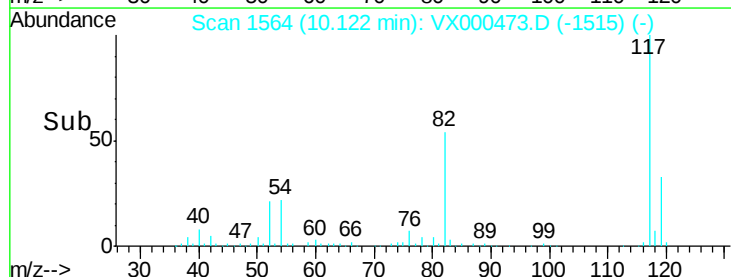
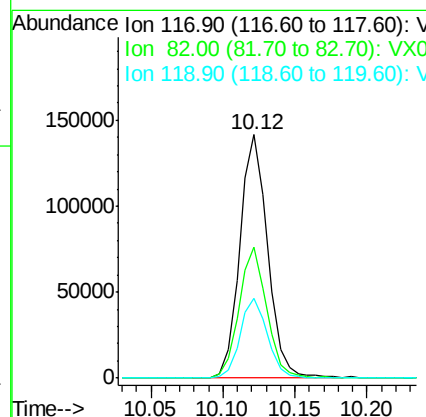
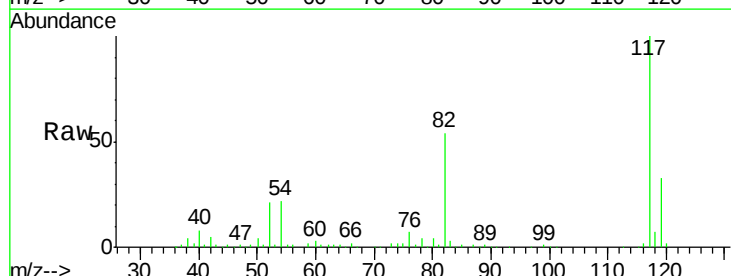
Instrument :
MSVOA_X
ClientSampled :
19626-7-8-74

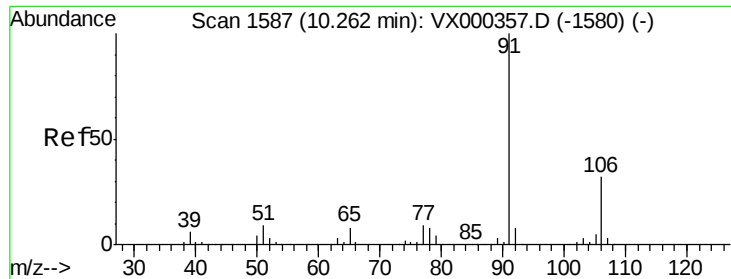
Tot Ion: 95 Resp: 96882
Ion Ratio Lower Upper
95 100
174 89.6 0.0 173.6
176 88.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000473.D
Acq: 27 Mar 2018 21:36

Tgt Ion: 117 Resp: 191174
Ion Ratio Lower Upper
117 100
82 53.7 43.8 65.8
119 32.7 24.9 37.3

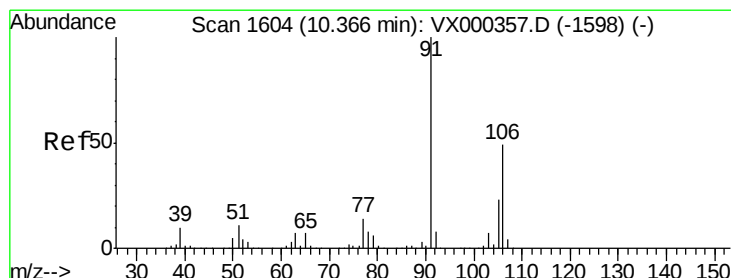
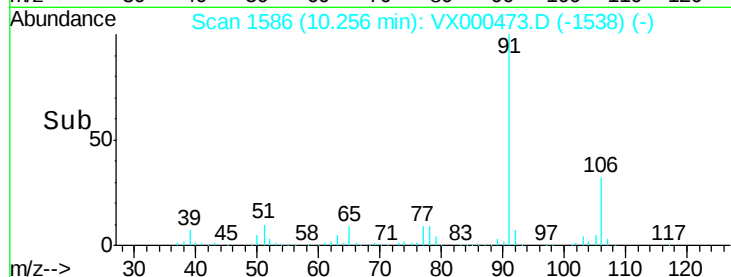
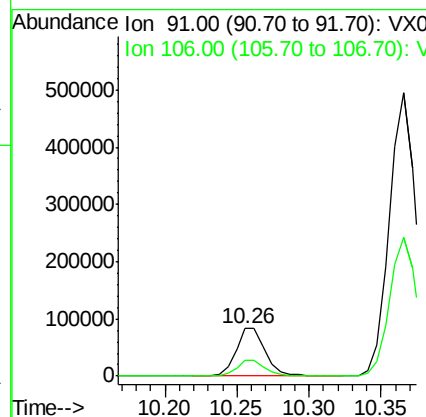
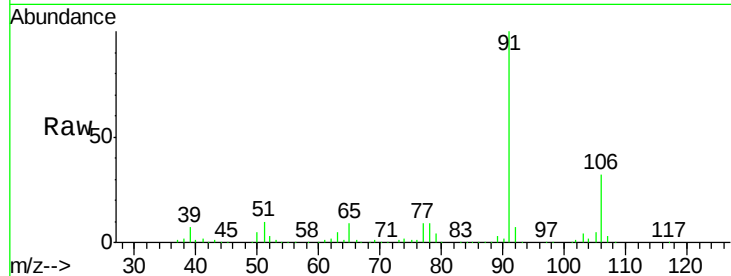




#67
Ethyl Benzene
Concen: 16.51 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000473.D
Acq: 27 Mar 2018 21:36

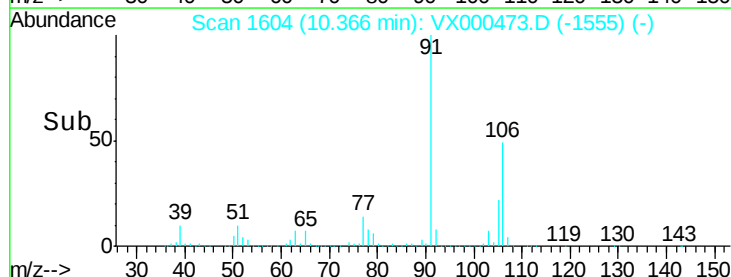
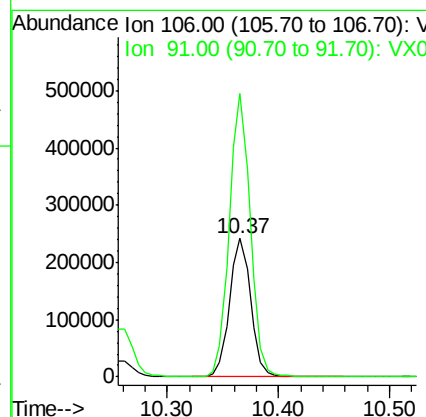
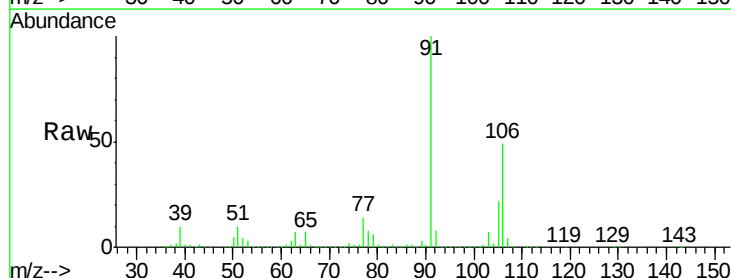
Instrument :
MSVOA_X
ClientSampled :
19626-7-8-74

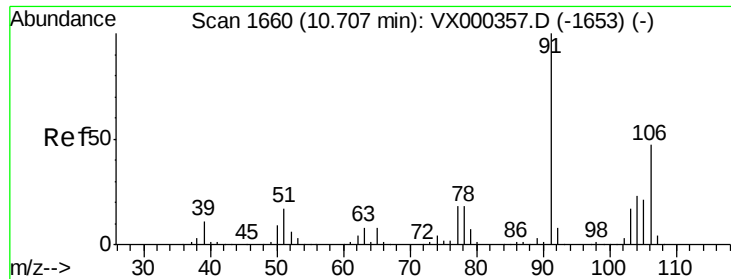
Tot Ion: 91 Resp: 119088
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6



#68
m/p-Xylenes
Concen: 112.35 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000473.D
Acq: 27 Mar 2018 21:36

Tgt Ion: 106 Resp: 318853
Ion Ratio Lower Upper
106 100
91 201.4 163.4 245.2

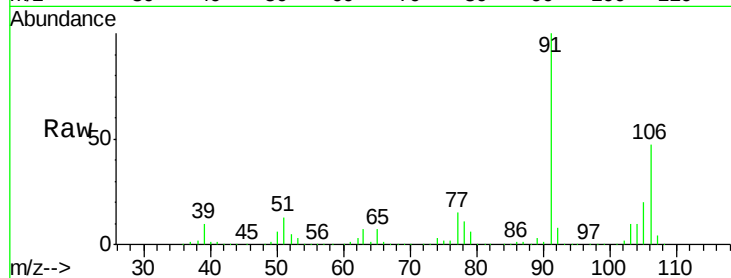




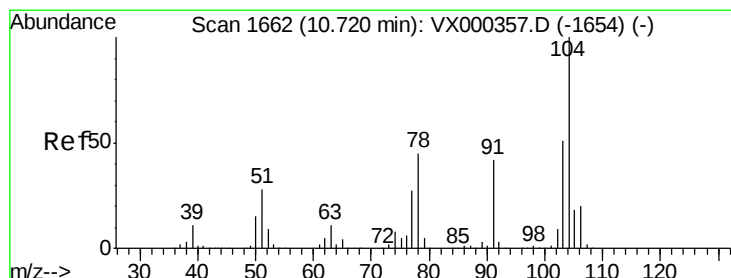
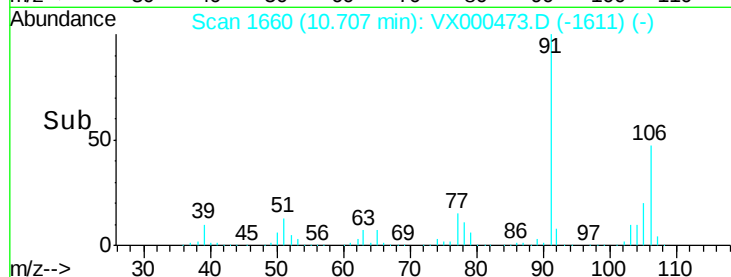
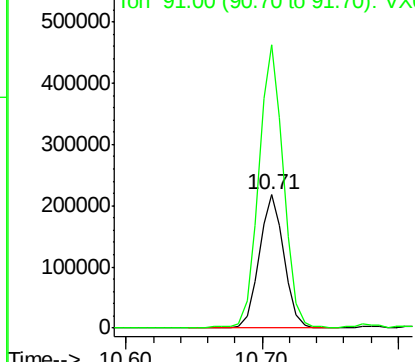
#69
o-Xylene
Concen: 101.70 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000473.D
Acq: 27 Mar 2018 21:36

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

Tot Ion:106 Resp: 279460
Ion Ratio Lower Upper
106 100
91 211.9 106.5 319.6

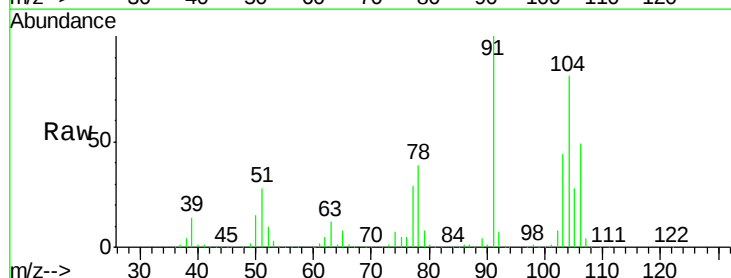


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

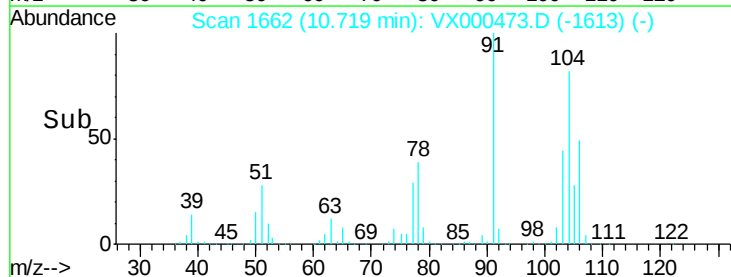
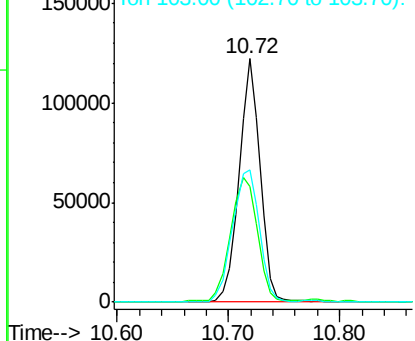


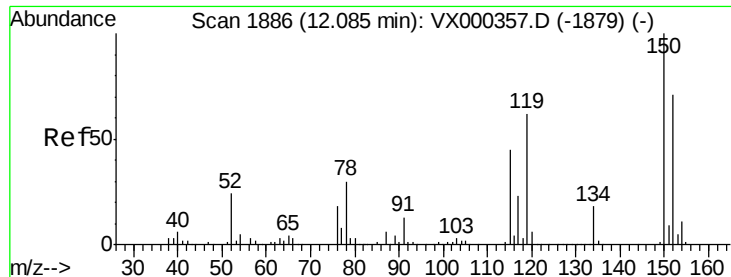
#70
Styrene
Concen: 35.27 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000473.D
Acq: 27 Mar 2018 21:36

Tgt Ion:104 Resp: 160356
Ion Ratio Lower Upper
104 100
78 65.9 40.5 60.7#
103 69.1 45.7 68.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

19626-7-8-74

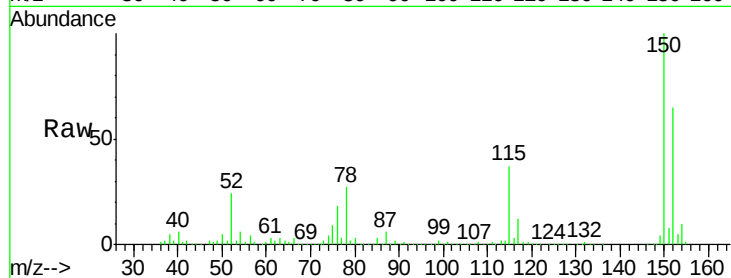
Tot Ion:152 Resp: 112492

Ion Ratio Lower Upper

152 100

115 57.4 39.8 119.3

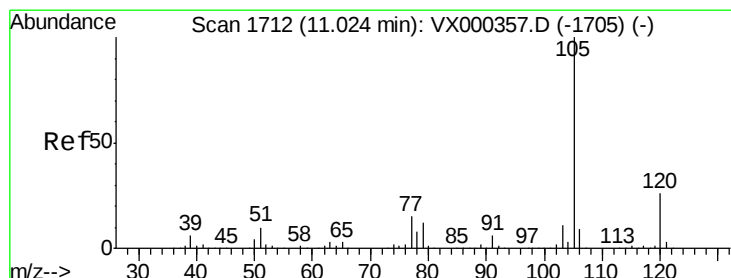
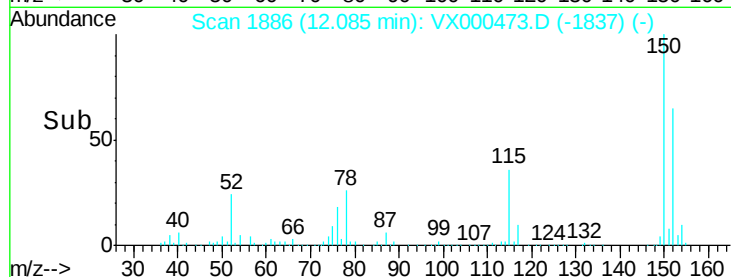
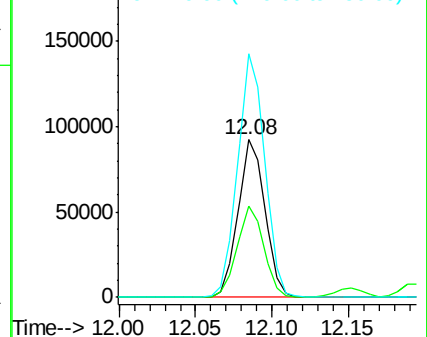
150 155.5 0.0 344.4



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



#73

Isopropylbenzene

Concen: 1.28 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000473.D

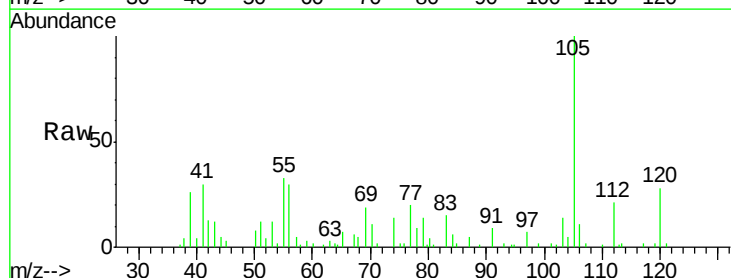
Acq: 27 Mar 2018 21:36

Tgt Ion:105 Resp: 9508

Ion Ratio Lower Upper

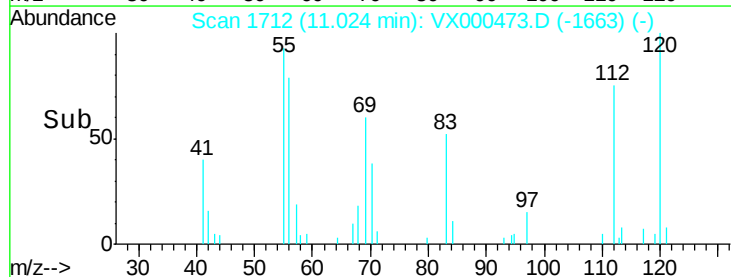
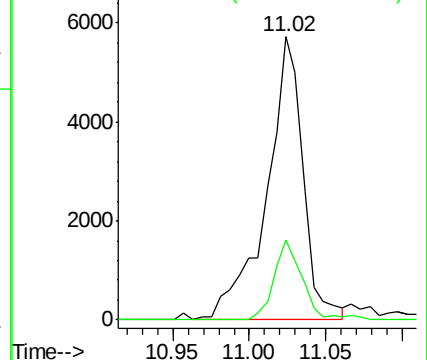
105 100

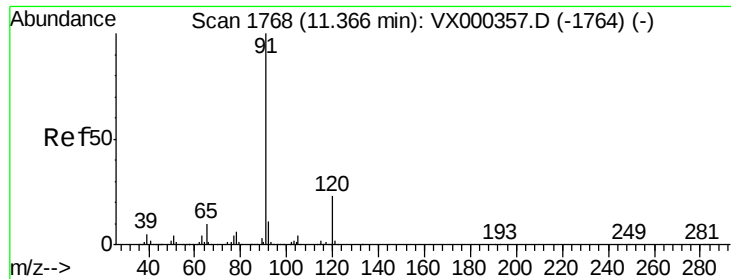
120 22.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.35 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

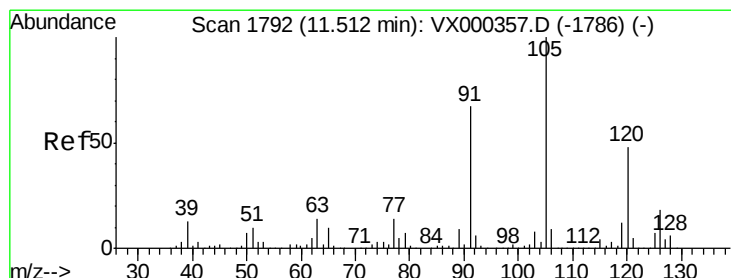
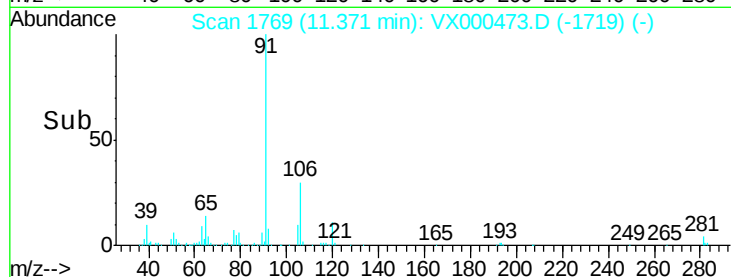
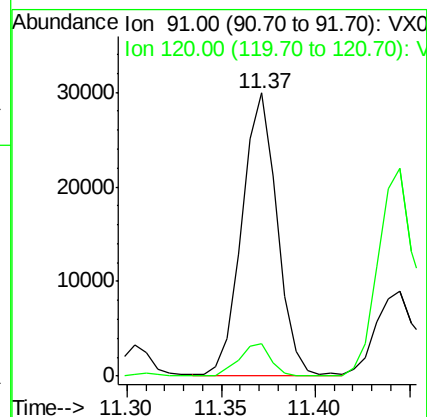
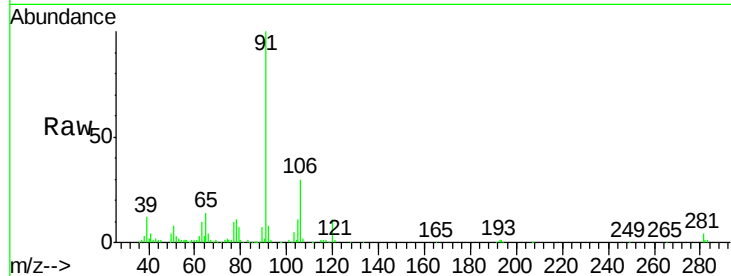
19626-7-8-74

Tot Ion: 91 Resp: 38627

Ion Ratio Lower Upper

91 100

120 10.6 11.8 35.3#



#80

1,3,5-Trimethylbenzene

Concen: 13.95 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000473.D

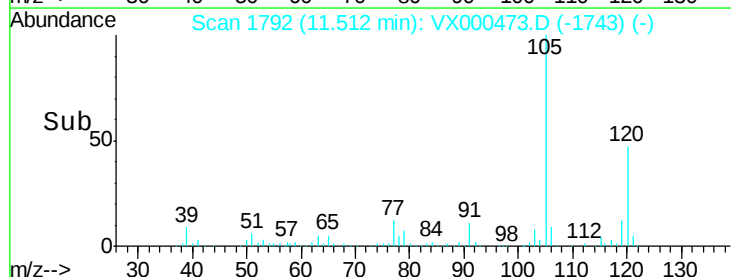
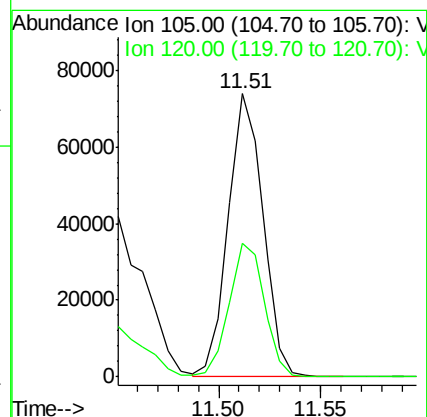
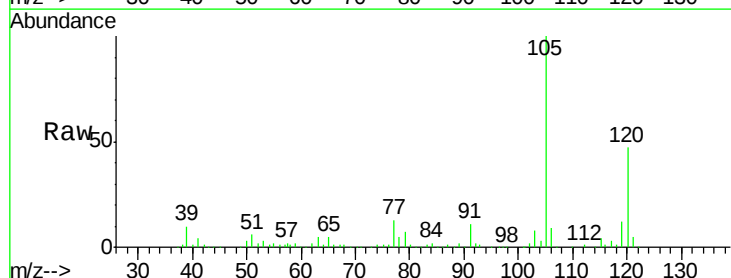
Acq: 27 Mar 2018 21:36

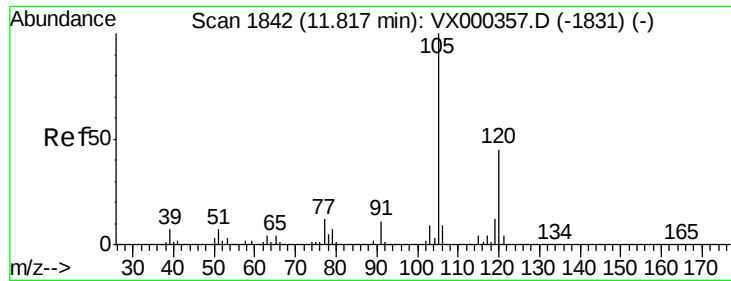
Tgt Ion: 105 Resp: 87398

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 47.72 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

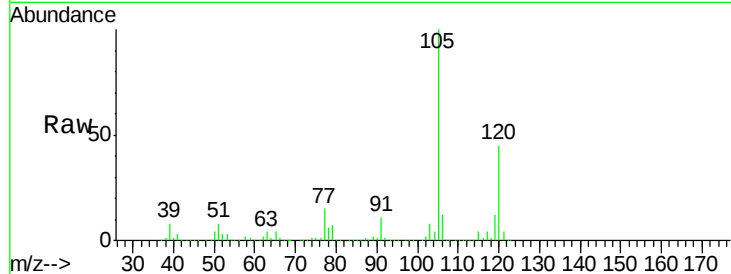
19626-7-8-74

Tot Ion:105 Resp: 313579

Ion Ratio Lower Upper

105 100

120 44.4 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.82

250000

200000

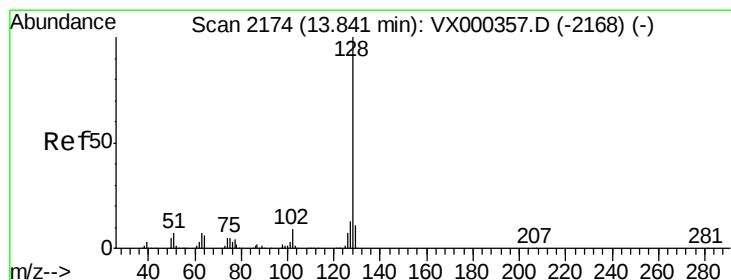
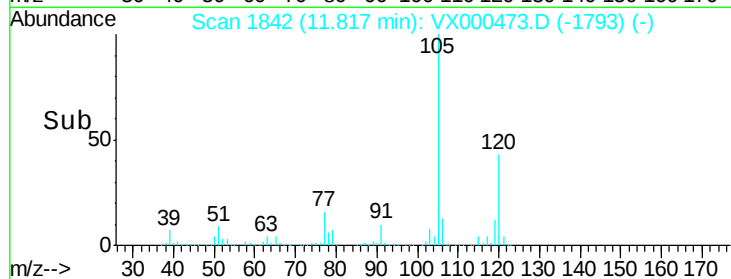
150000

100000

50000

0

Time-->



#95

Naphthalene

Concen: 625.15 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000473.D

Acq: 27 Mar 2018 21:36

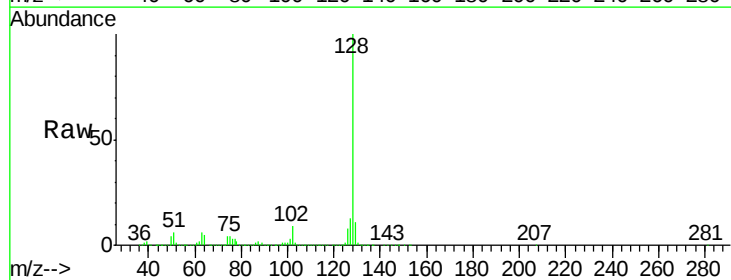
Tgt Ion:128 Resp: 5746153

Ion Ratio Lower Upper

128 100

127 13.3 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

13.85

6000000

5000000

4000000

3000000

2000000

1000000

0

Time-->

