

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091418\
 Data File : VX004568.D
 Acq On : 15 Sep 2018 07:09
 Operator : JC/MD
 Sample : J4925-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0262

Quant Time: Sep 17 01:09:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	287175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208821	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	188821	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	5.51	113	164318	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	
50) Toluene-d8	8.72	98	582582	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
62) 4-Bromofluorobenzene	11.14	95	201245	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

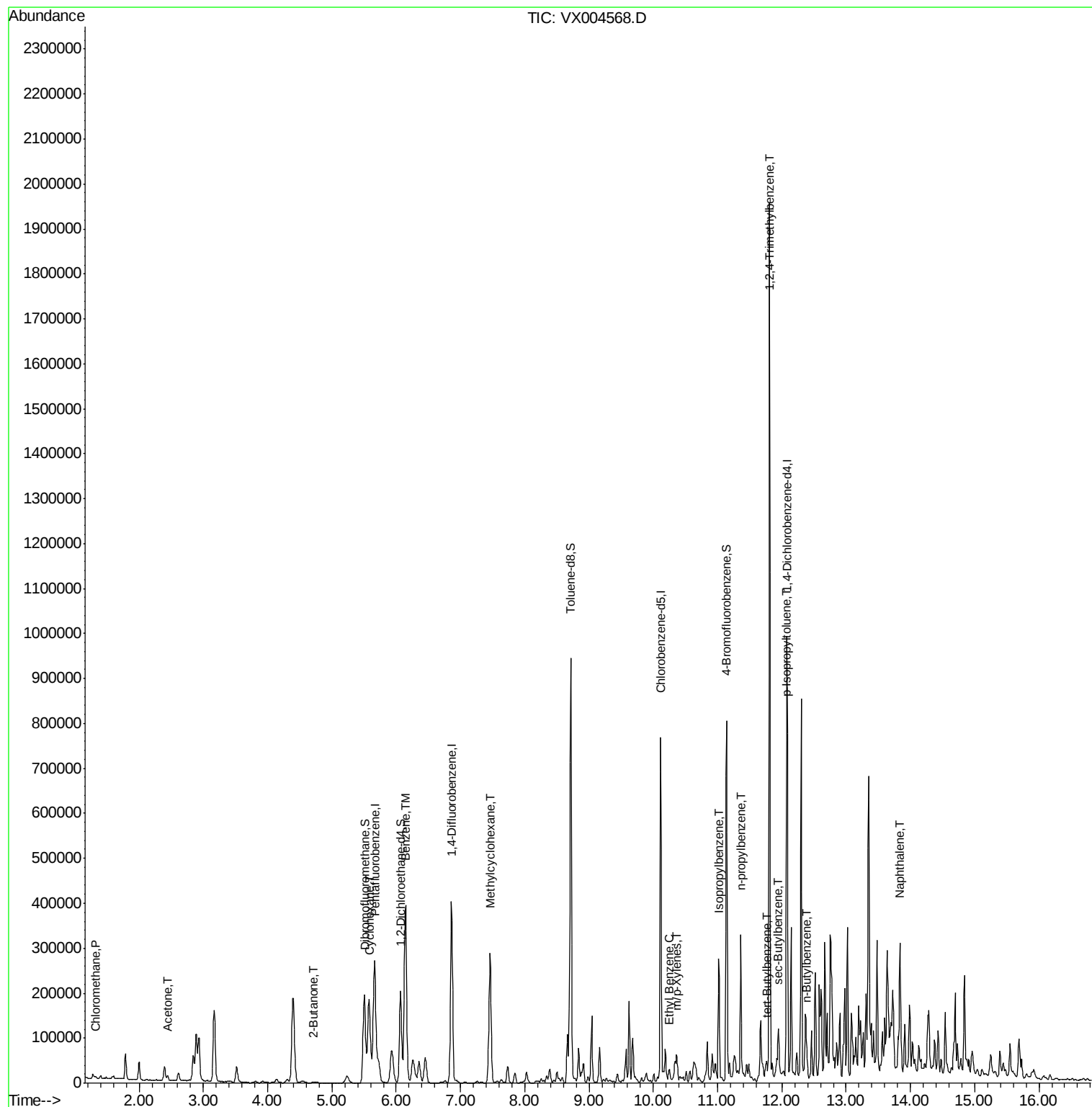
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1683	0.45	ug/l	# 77
16) Acetone	2.44	43	11706	6.48	ug/l	98
25) 2-Butanone	4.71	43	2383	0.83	ug/l	97
31) Cyclohexane	5.58	56	125608	23.45	ug/l	95
39) Methylcyclohexane	7.46	83	130529	25.70	ug/l	96
40) Benzene	6.15	78	483353	33.47	ug/l	95
67) Ethyl Benzene	10.26	91	12635	0.87	ug/l	97
68) m/p-Xylenes	10.37	106	7514	1.34	ug/l	94
73) Isopropylbenzene	11.02	105	142919	10.39	ug/l	99
78) n-propylbenzene	11.36	91	183086	11.58	ug/l	98
83) tert-Butylbenzene	11.77	119	8479	0.77	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	863181	73.13	ug/l	100
85) sec-Butylbenzene	11.94	105	52485	3.74	ug/l	81
86) p-Isopropyltoluene	12.07	119	10318	0.83	ug/l	96
89) n-Butylbenzene	12.39	91	30272	2.68	ug/l	# 72
95) Naphthalene	13.83	128	170611	11.97	ug/l	# 95

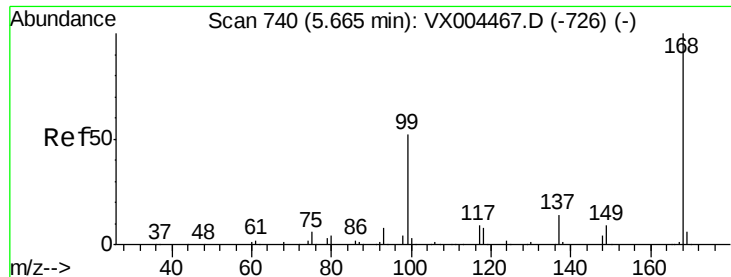
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

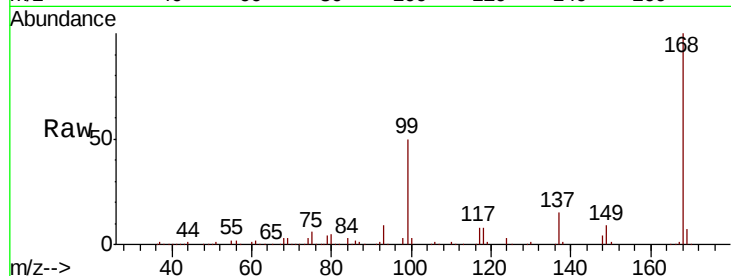
S13-0262

Tot Ion:168 Resp: 287175

Ion Ratio Lower Upper

168 100

99 50.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

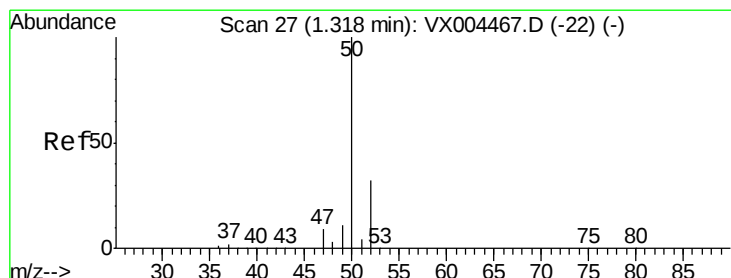
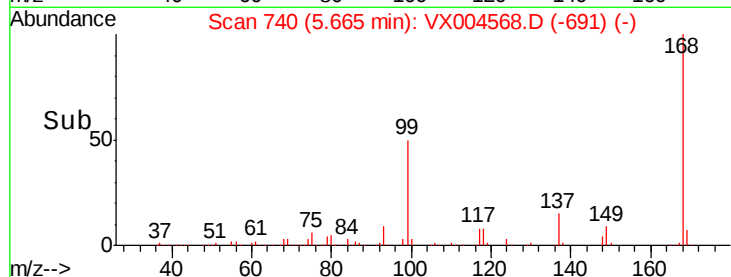
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.45 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004568.D

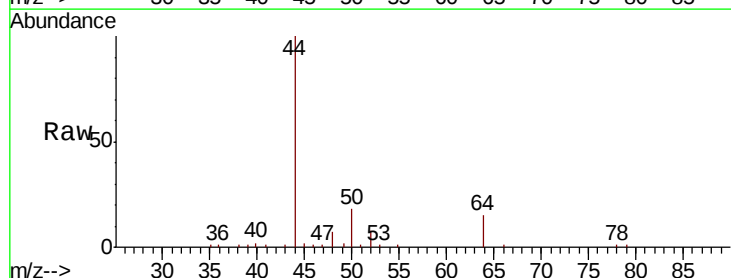
Acq: 15 Sep 2018 07:09

Tgt Ion: 50 Resp: 1683

Ion Ratio Lower Upper

50 100

52 45.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1500

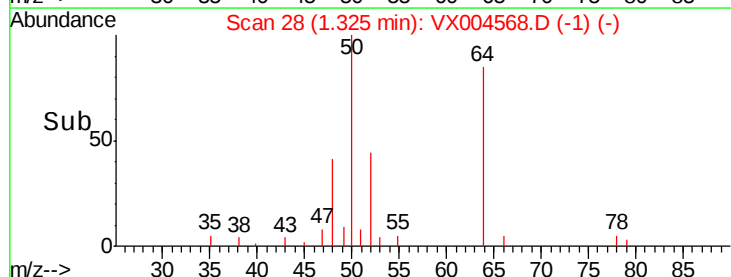
1000

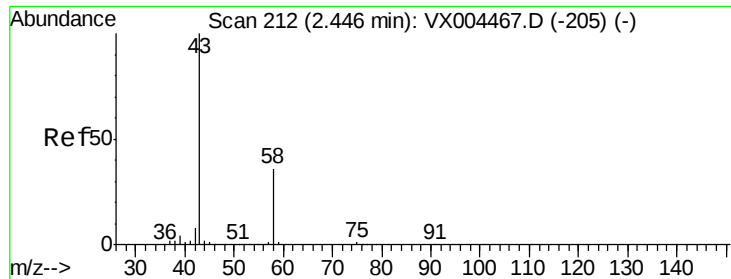
500

0

Time-->

1.30 1.35

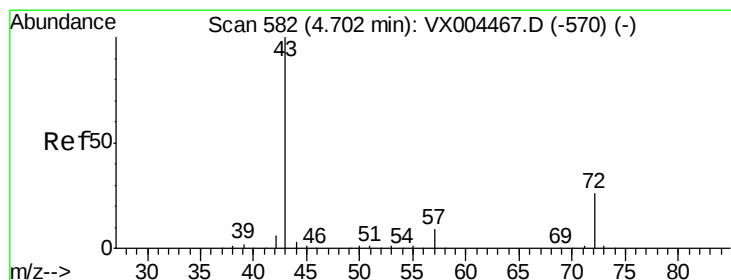
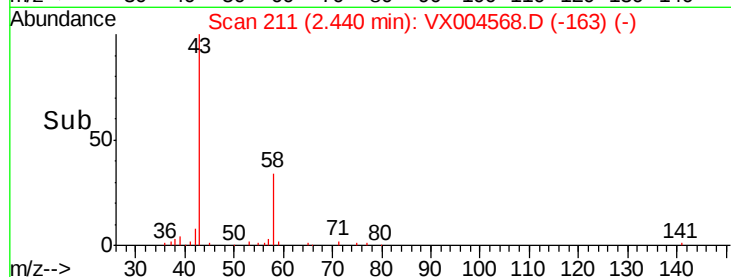
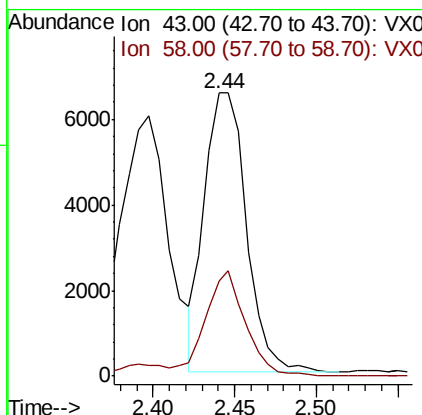
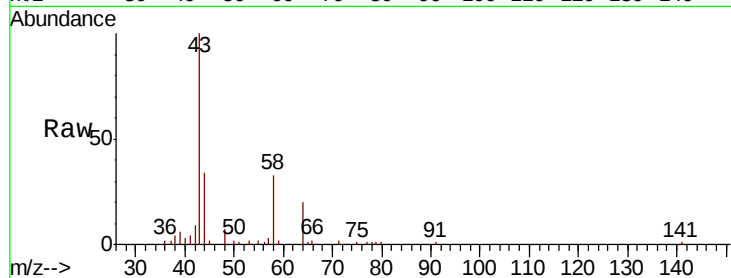




#16
 Acetone
 Concen: 6.48 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

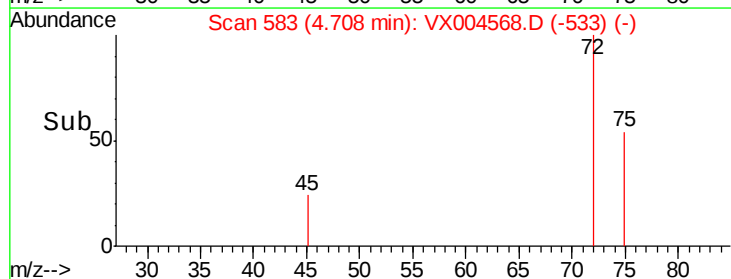
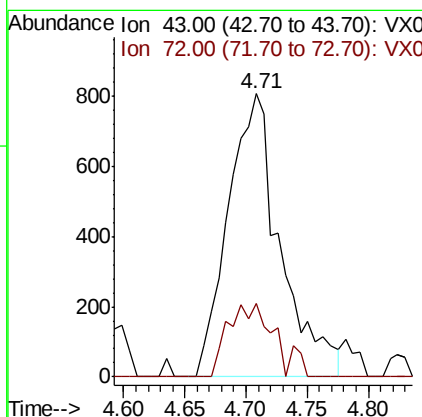
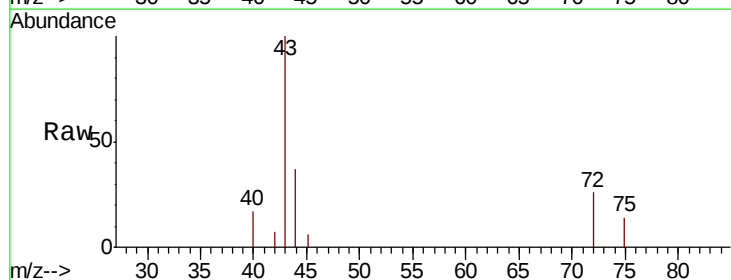
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0262

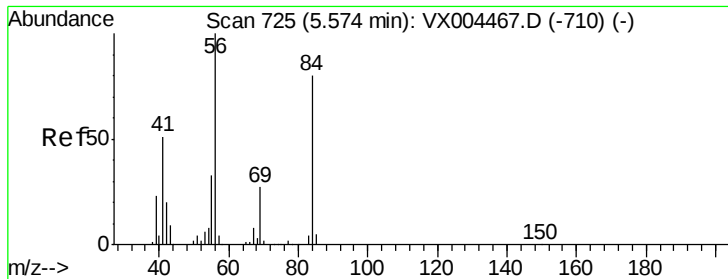
Tot Ion: 43 Resp: 11706
 Ion Ratio Lower Upper
 43 100
 58 33.9 26.2 39.4



#25
 2-Butanone
 Concen: 0.83 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

Tgt Ion: 43 Resp: 2383
 Ion Ratio Lower Upper
 43 100
 72 26.2 22.0 33.0

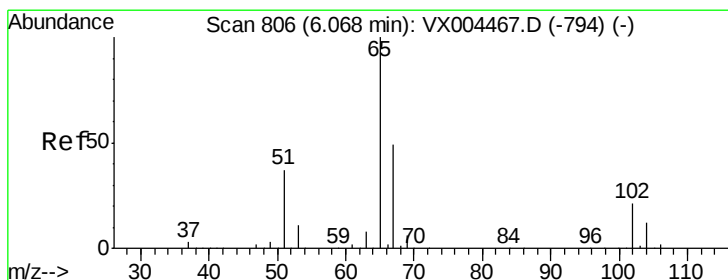
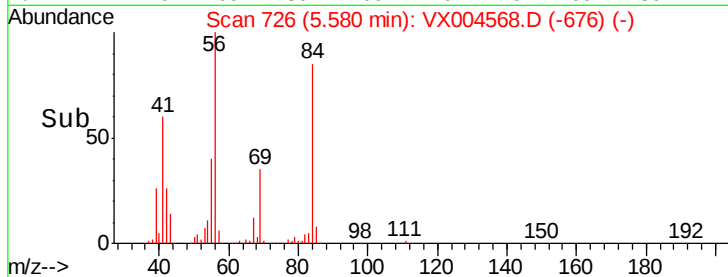
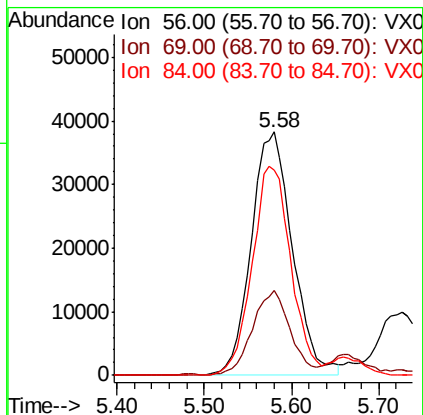
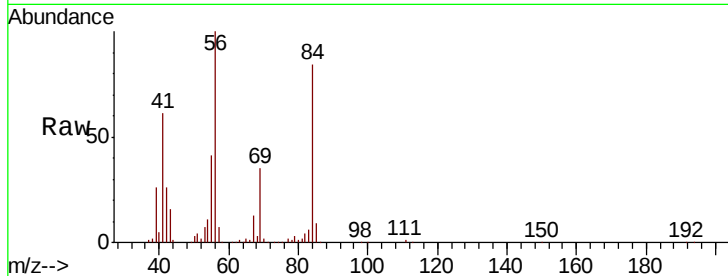




#31
Cyclohexane
Concen: 23.45 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

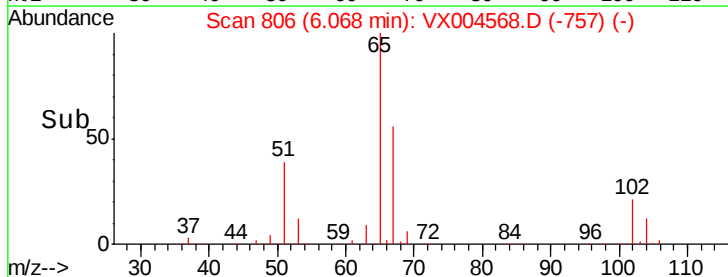
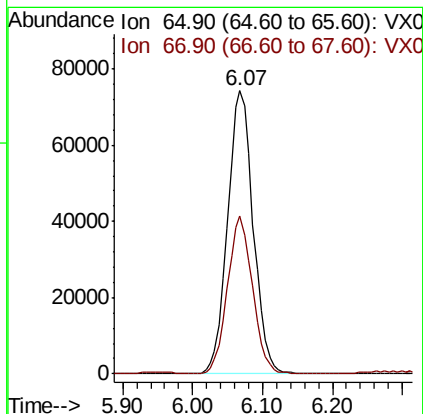
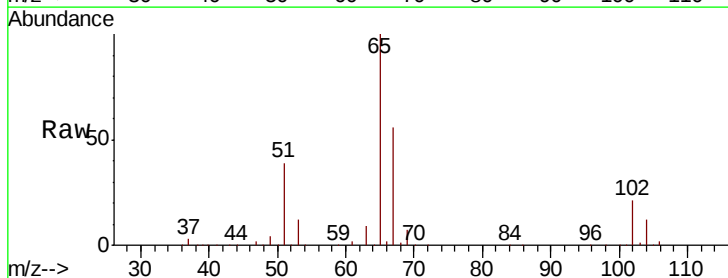
Instrument :
MSVOA_X
ClientSampleId :
S13-0262

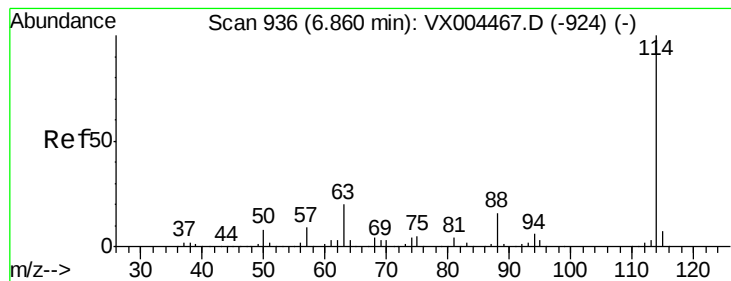
Tot Ion: 56 Resp: 125608
Ion Ratio Lower Upper
56 100
69 34.5 25.4 38.2
84 84.4 71.4 107.2



#33
1,2-Dichloroethane-d4
Concen: 50.99 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 65 Resp: 188821
Ion Ratio Lower Upper
65 100
67 54.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampled :

S13-0262

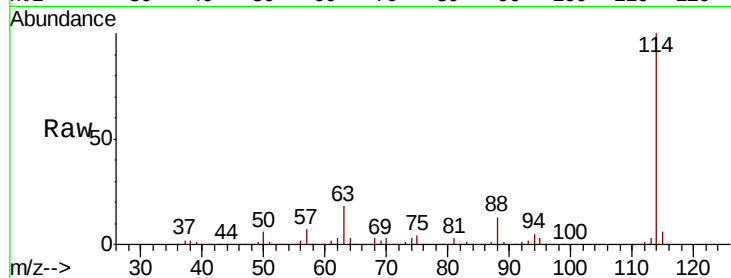
Tot Ion:114 Resp: 400892

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.0

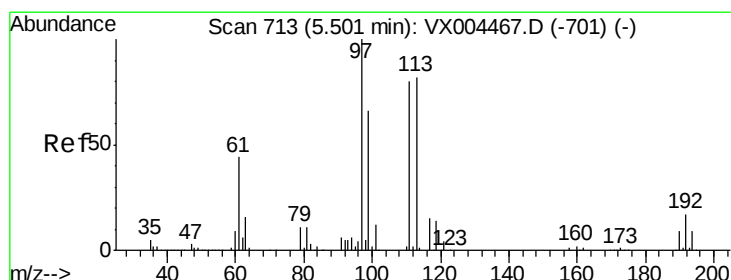
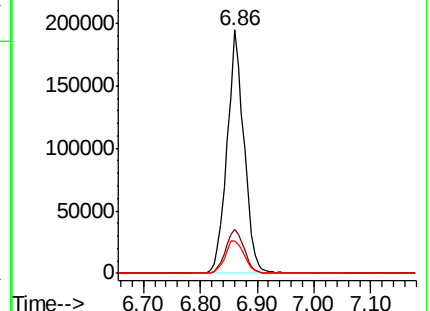
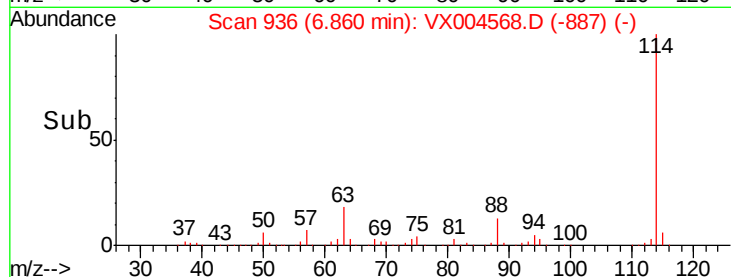
88 13.1 0.0 30.4



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: 44.79 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

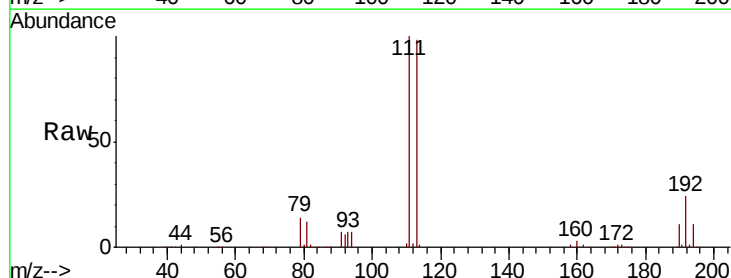
Tgt Ion:113 Resp: 164318

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

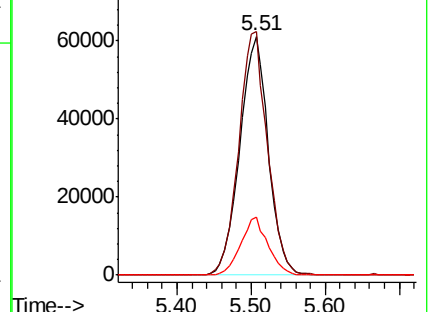
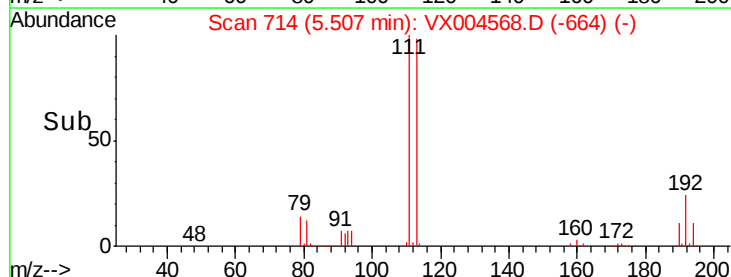
192 23.2 19.4 29.2

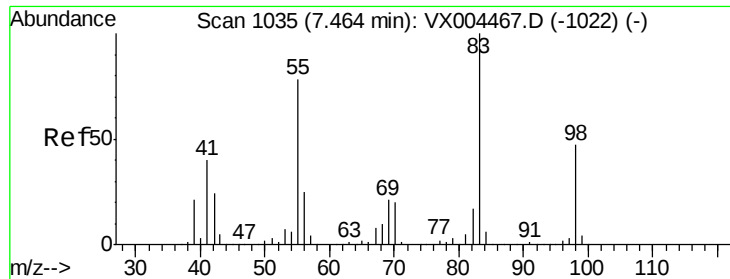


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

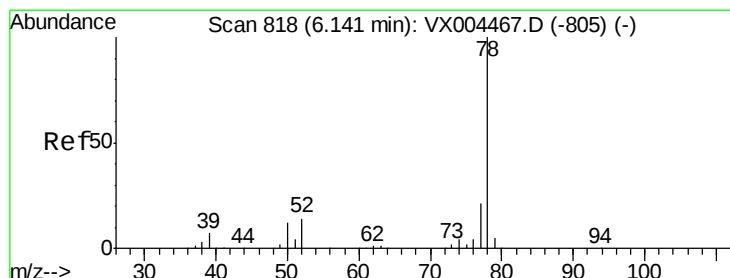
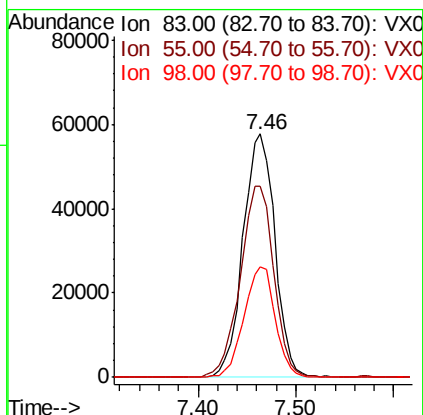
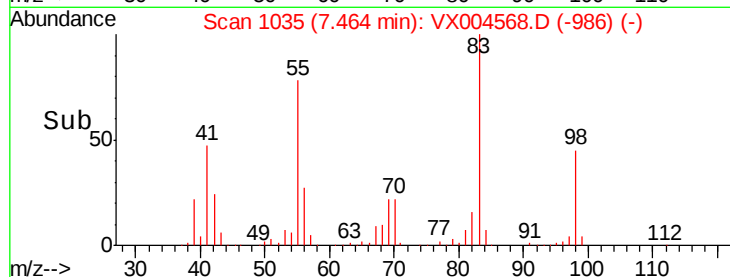
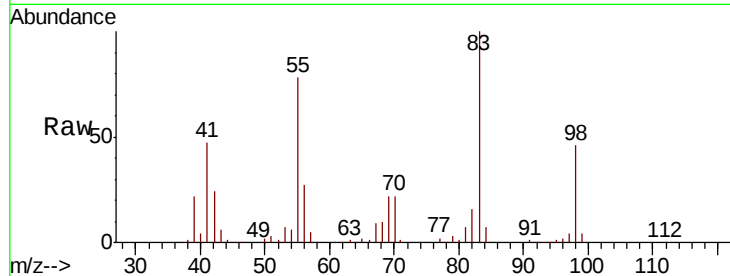




#39
Methvlcvclohexane
Concen: 25.70 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

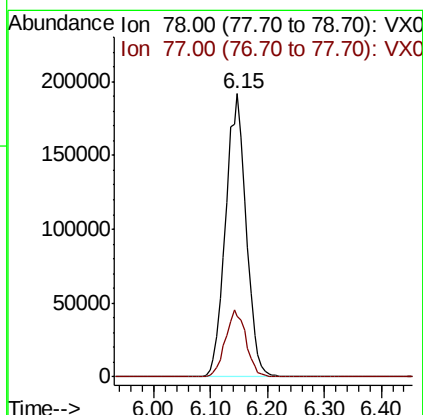
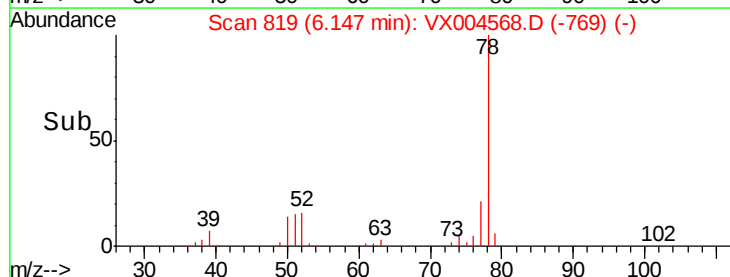
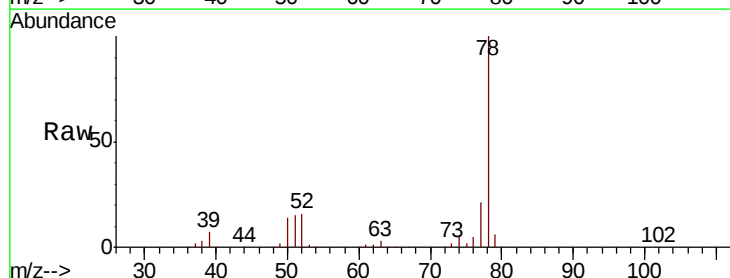
Instrument :
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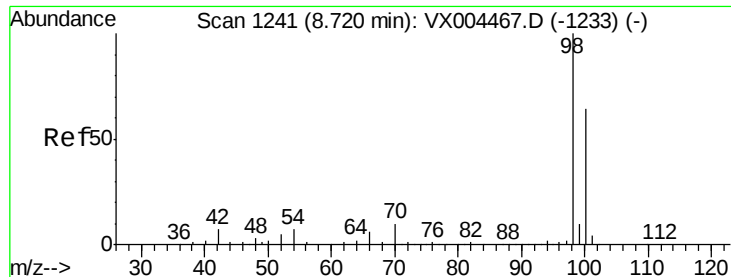
Tot Ion: 83 Resp: 130529
Ion Ratio Lower Upper
83 100
55 78.4 61.0 91.4
98 45.5 39.6 59.4



#40
Benzene
Concen: 33.47 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 78 Resp: 483353
Ion Ratio Lower Upper
78 100
77 21.4 19.0 28.4

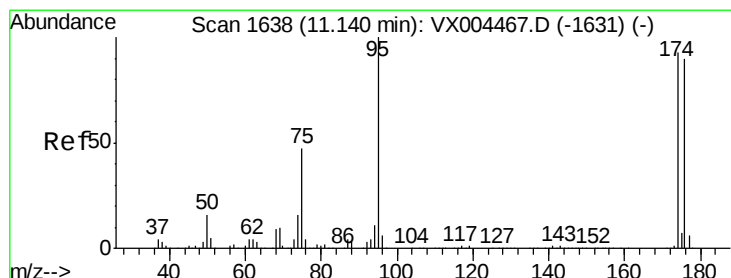
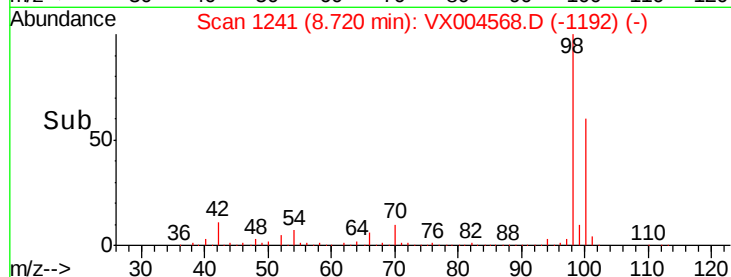
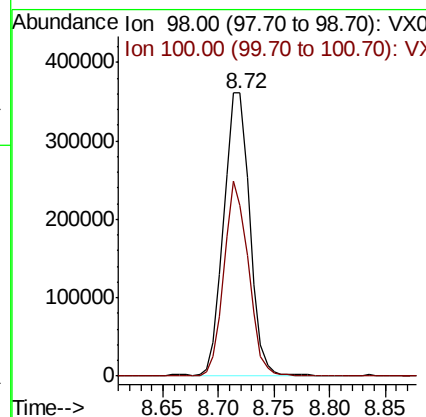
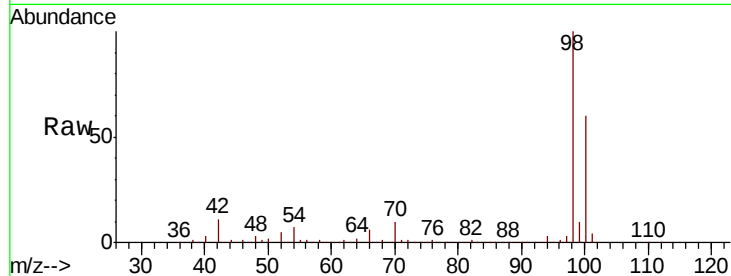




#50
Toluene-d8
Concen: 47.35 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

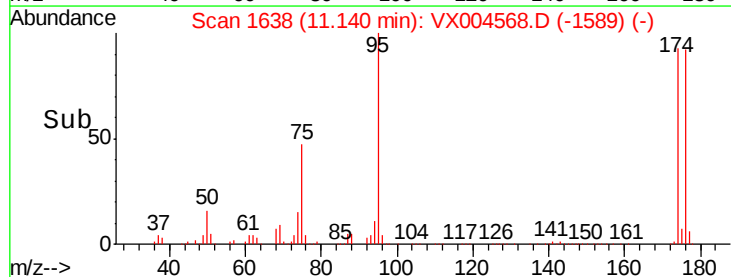
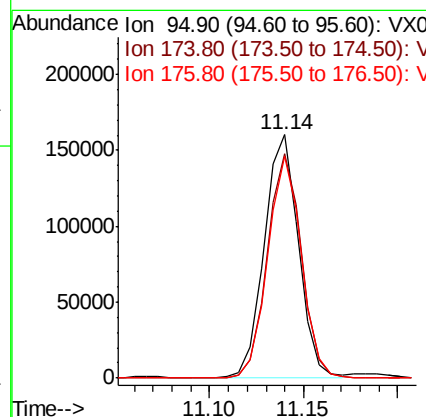
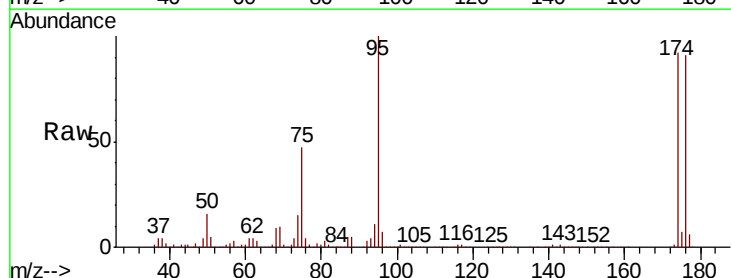
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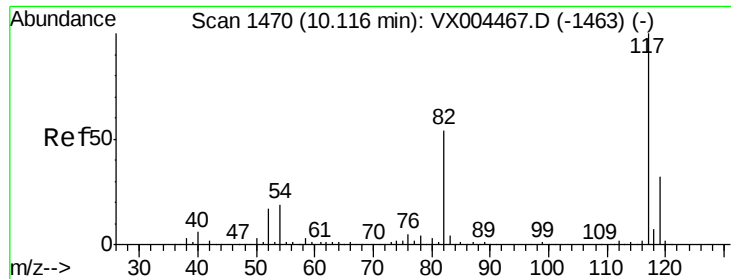
Tot Ion: 98 Resp: 582582
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.83 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 95 Resp: 201245
Ion Ratio Lower Upper
95 100
174 92.0 0.0 185.2
176 89.6 0.0 178.6

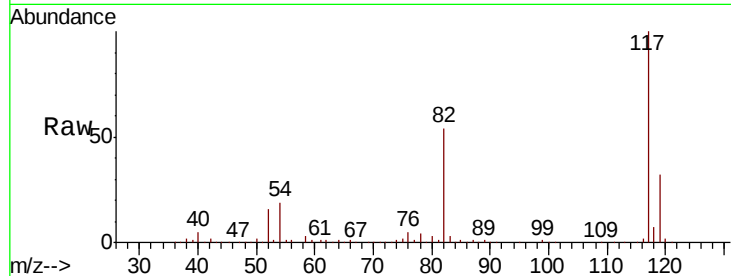




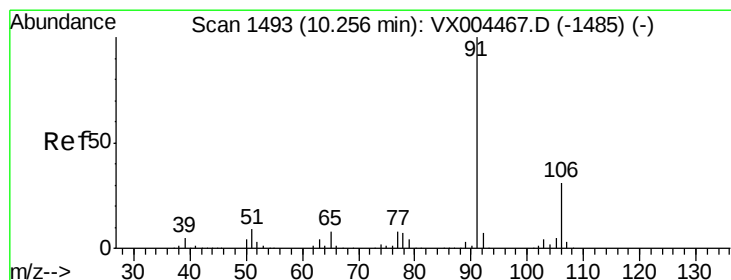
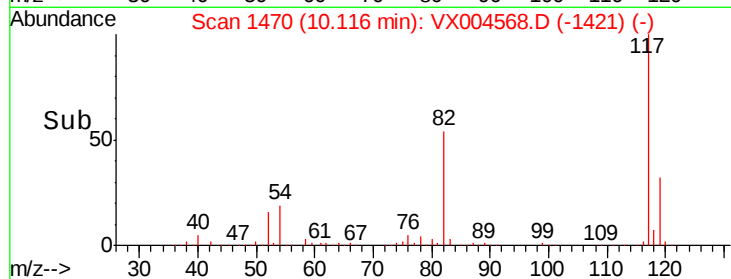
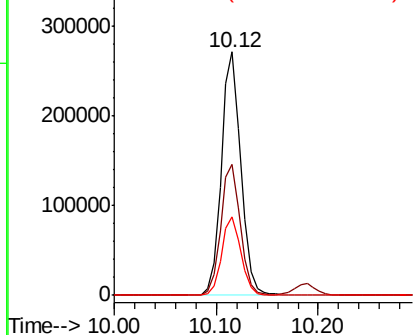
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Instrument :
MSVOA_X
ClientSampled :
S13-0262

Tot Ion:117 Resp: 359422
Ion Ratio Lower Upper
117 100
82 53.7 47.8 71.6
119 32.5 29.3 43.9

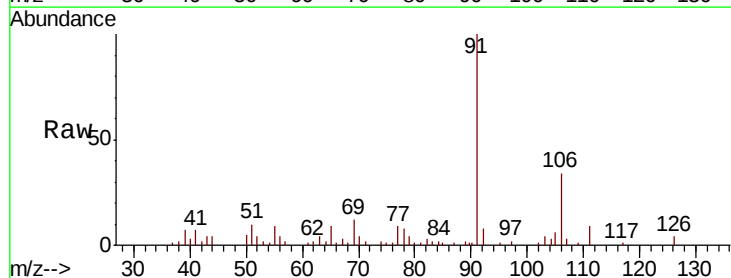


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

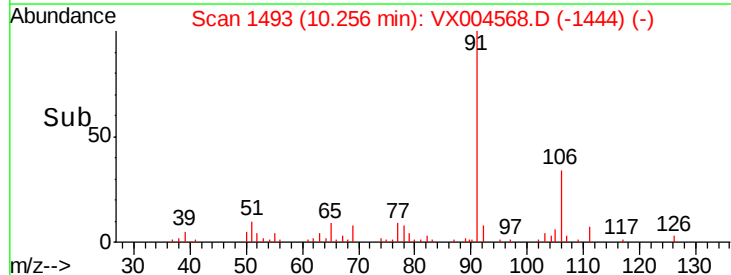
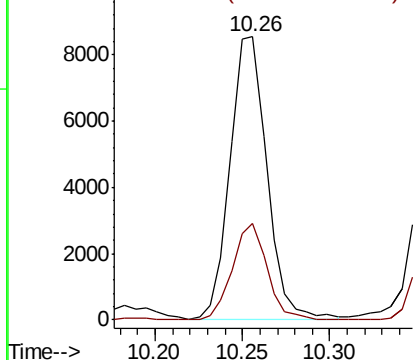


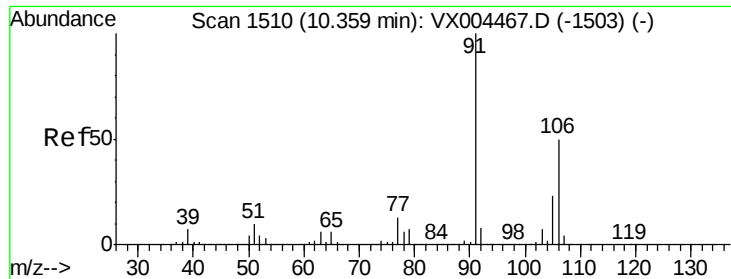
#67
Ethyl Benzene
Concen: 0.87 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 91 Resp: 12635
Ion Ratio Lower Upper
91 100
106 33.9 25.9 38.9



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

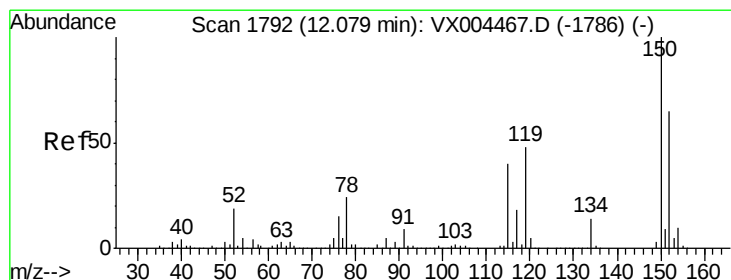
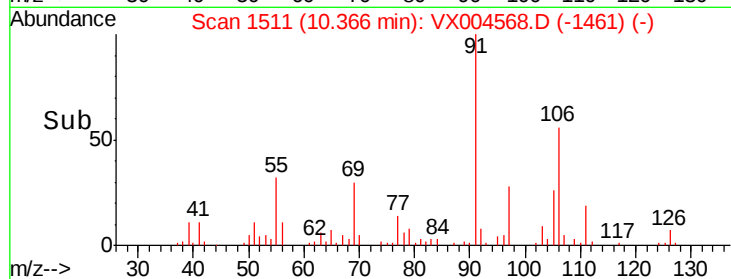
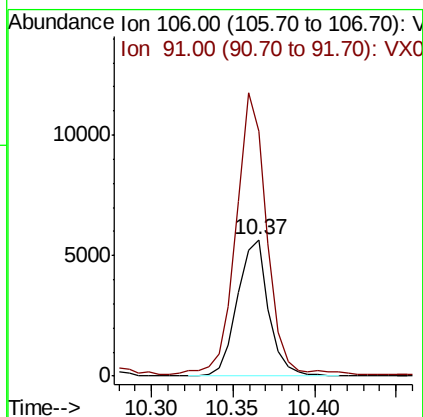
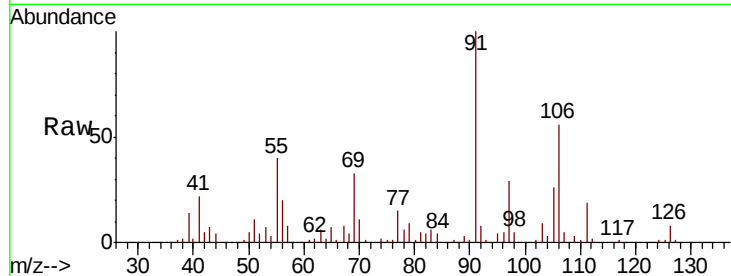




#68
m/p-Xvlenes
Concen: 1.34 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

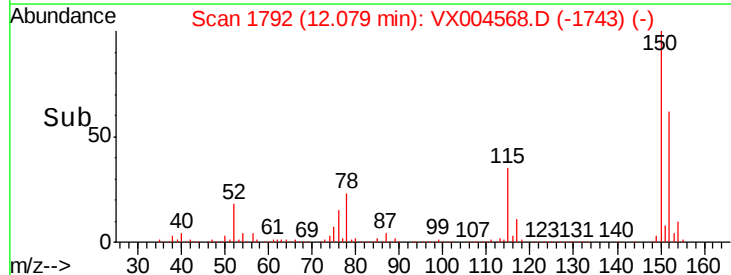
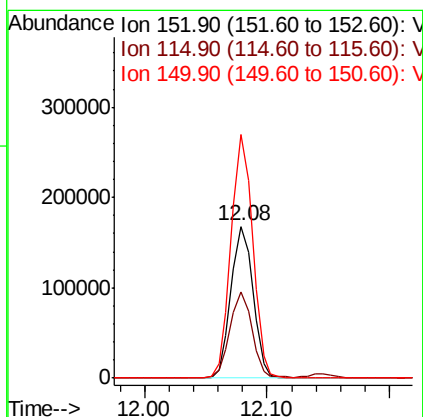
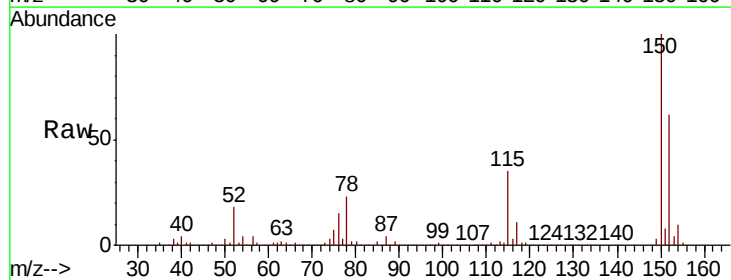
Instrument :
MSVOA_X
ClientSampleId :
S13-0262

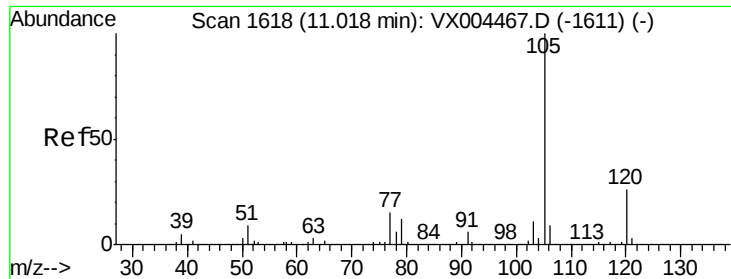
Tot Ion:106 Resp: 7514
Ion Ratio Lower Upper
106 100
91 205.0 157.1 235.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion:152 Resp: 208821
Ion Ratio Lower Upper
152 100
115 56.6 39.0 117.0
150 158.1 0.0 351.0





#73

Isopropylbenzene

Concen: 10.39 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

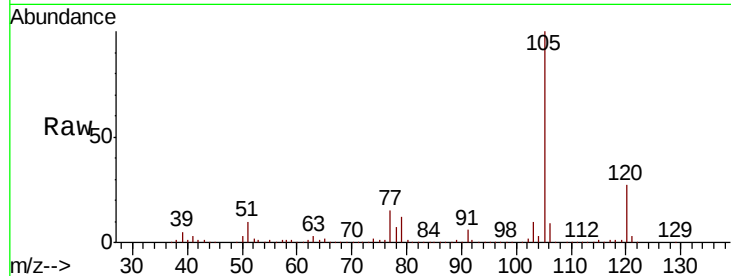
S13-0262

Tot Ion: 105 Resp: 142919

Ion Ratio Lower Upper

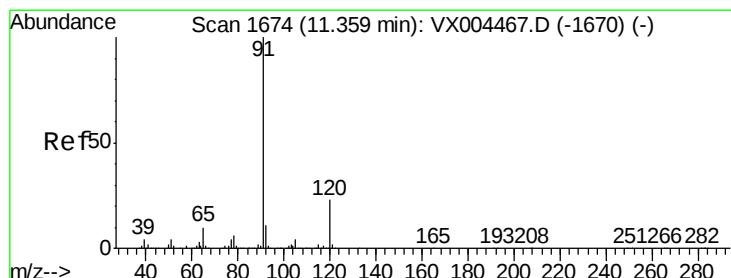
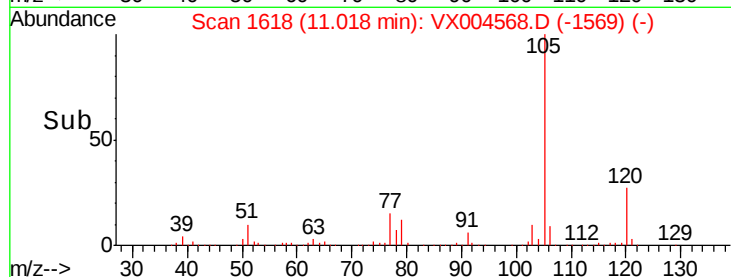
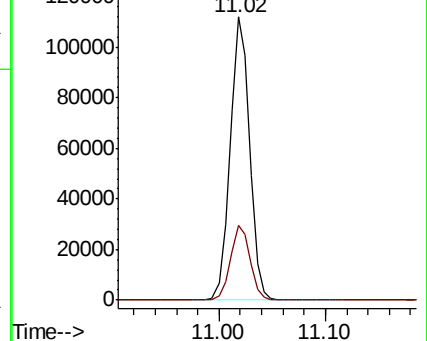
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 11.58 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004568.D

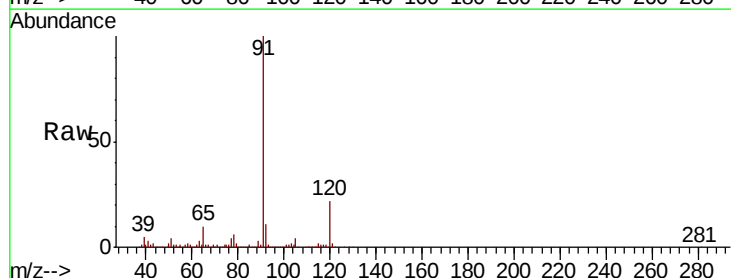
Acq: 15 Sep 2018 07:09

Tgt Ion: 91 Resp: 183086

Ion Ratio Lower Upper

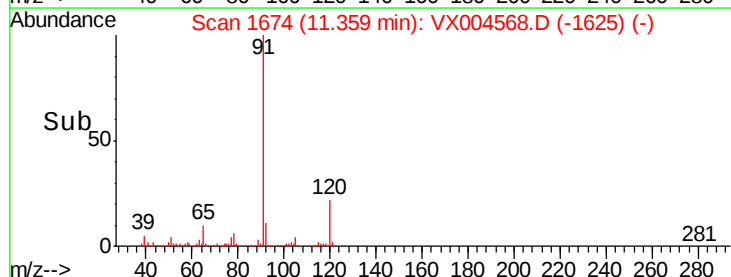
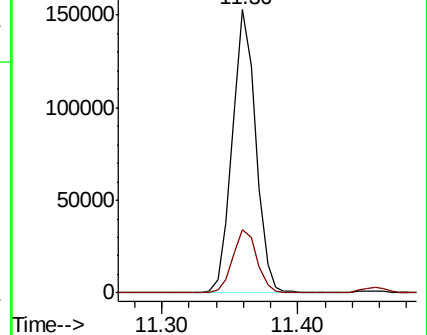
91 100

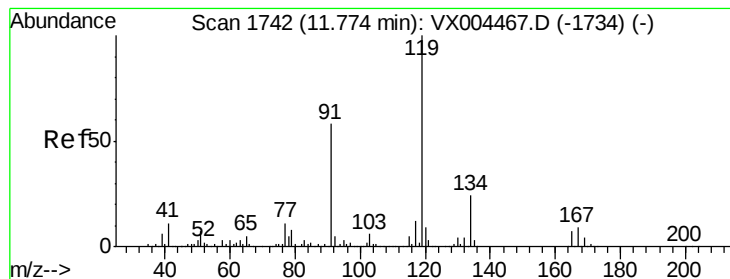
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 0.77 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

S13-0262

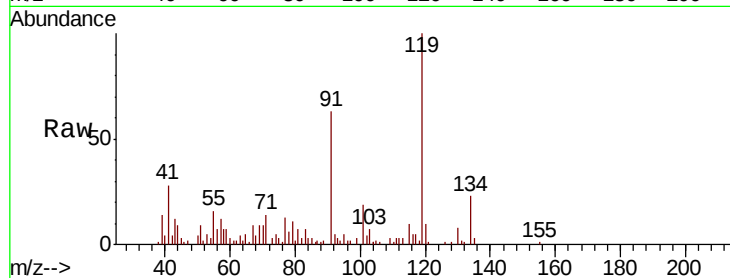
Tot Ion:119 Resp: 8479

Ion Ratio Lower Upper

119 100

91 59.4 27.0 81.0

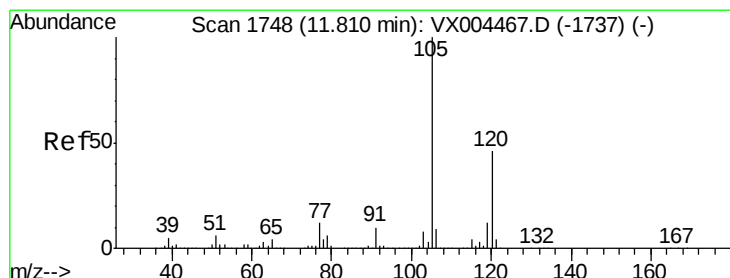
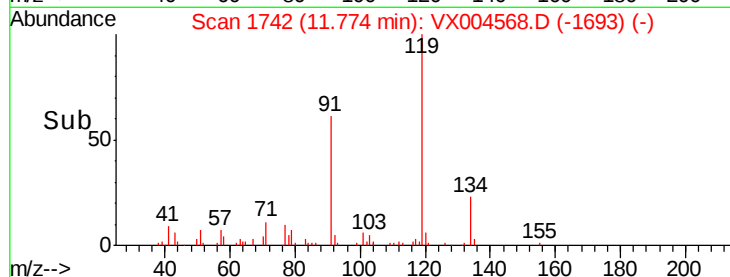
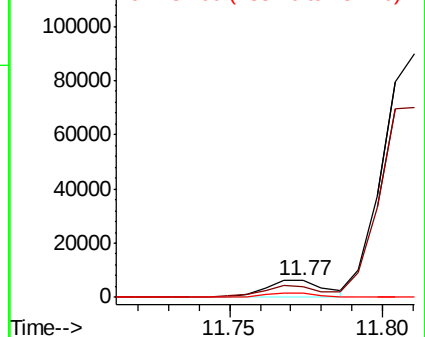
134 24.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 73.13 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004568.D

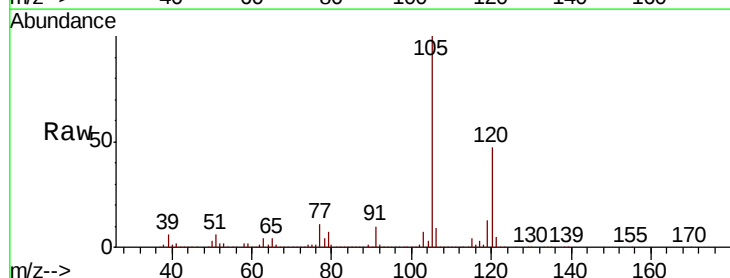
Acq: 15 Sep 2018 07:09

Tgt Ion:105 Resp: 863181

Ion Ratio Lower Upper

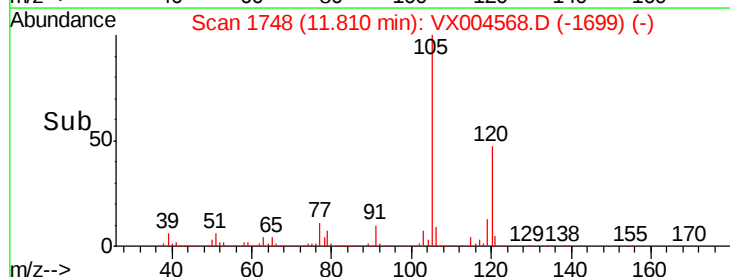
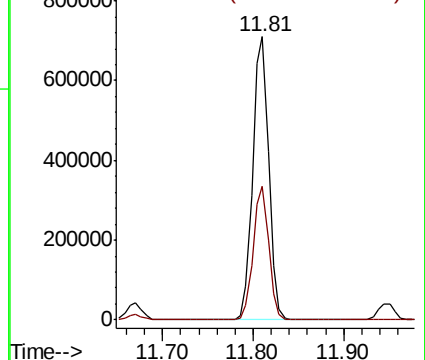
105 100

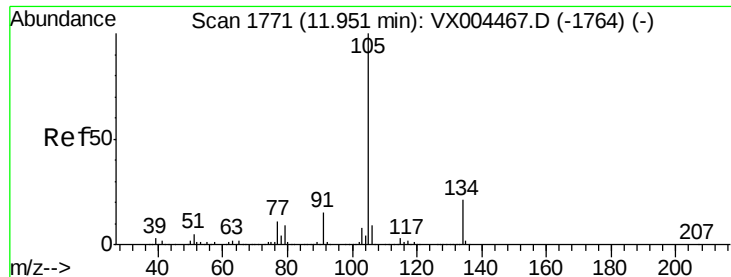
120 46.3 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

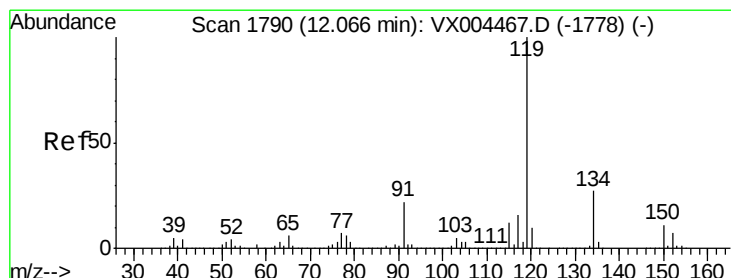
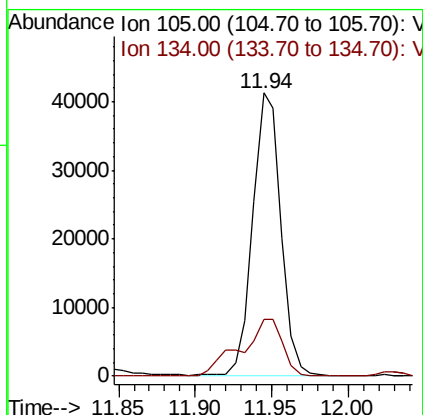
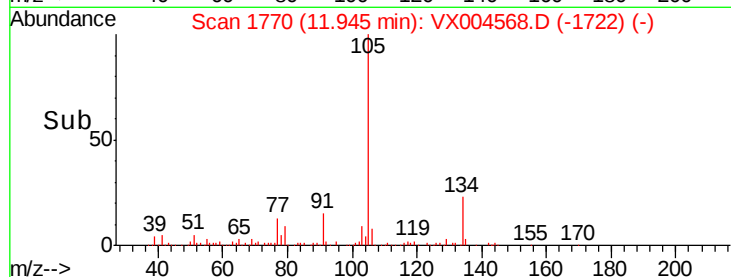
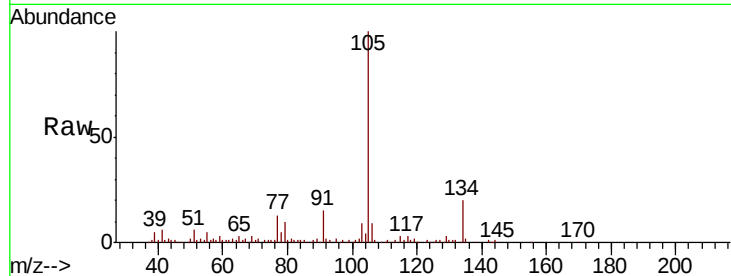




#85
 sec-Butylbenzene
 Concen: 3.74 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

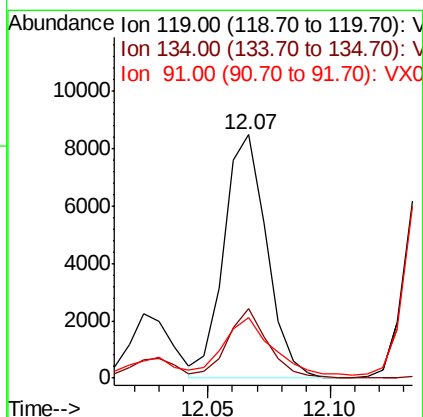
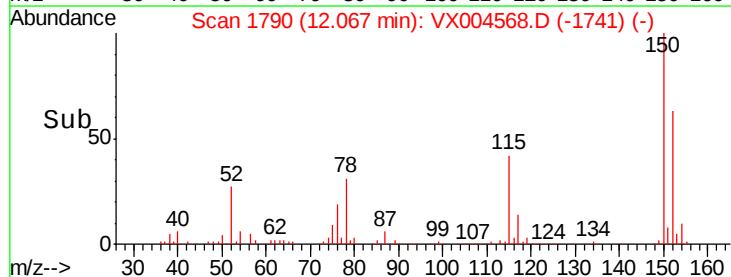
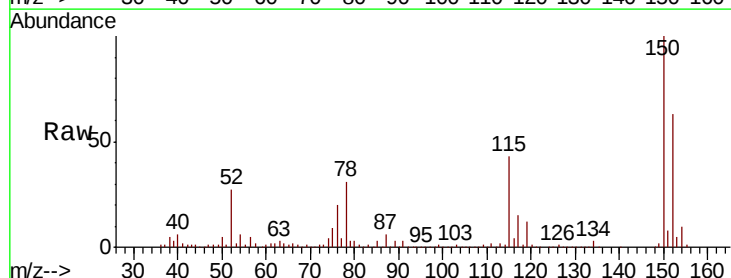
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0262

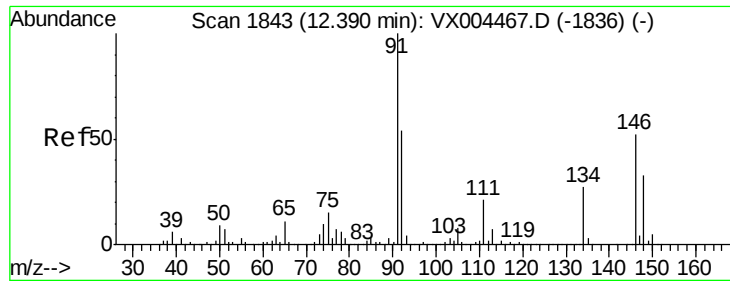
Tot Ion:105 Resp: 52485
 Ion Ratio Lower Upper
 105 100
 134 29.8 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 0.83 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

Tgt Ion:119 Resp: 10318
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 25.6 10.9 32.7

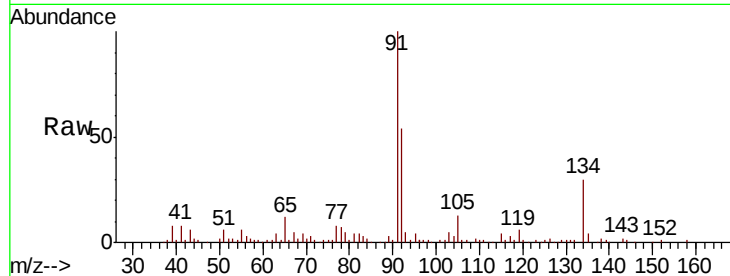




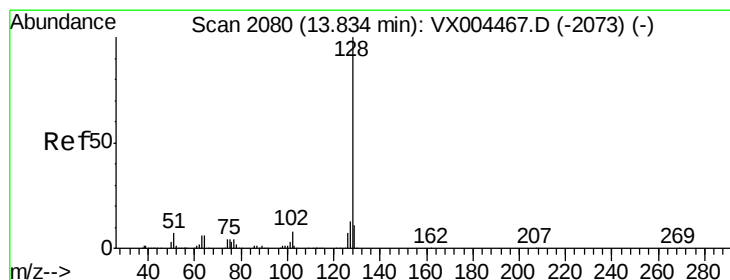
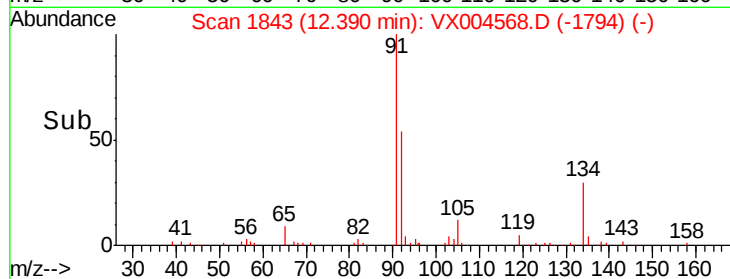
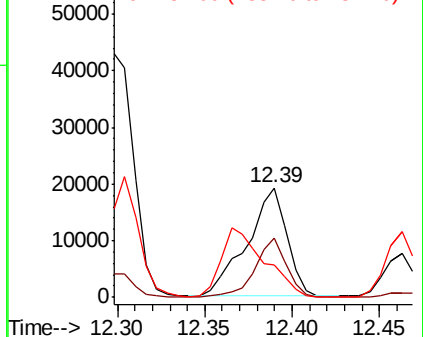
#89
n-Butylbenzene
Concen: 2.68 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Instrument :
MSVOA_X
ClientSampleId :
S13-0262

Tot Ion: 91 Resp: 30272
Ion Ratio Lower Upper
91 100
92 43.1 27.3 81.9
134 0.0 13.6 40.7#

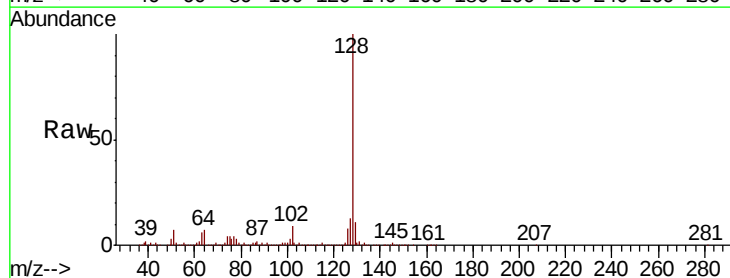


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V



#95
Naphthalene
Concen: 11.97 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion:128 Resp: 170611
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 13.6 8.6 12.8#



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

