

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101918\
 Data File : VX005463.D
 Acq On : 19 Oct 2018 17:27
 Operator : JC/MD
 Sample : J5604-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MS-VB-25868-BOX-1

Quant Time: Oct 20 05:31:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173680	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	157052	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
35) Dibromofluoromethane	5.51	113	122349	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.71	98	452265	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	11.14	95	163888	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	

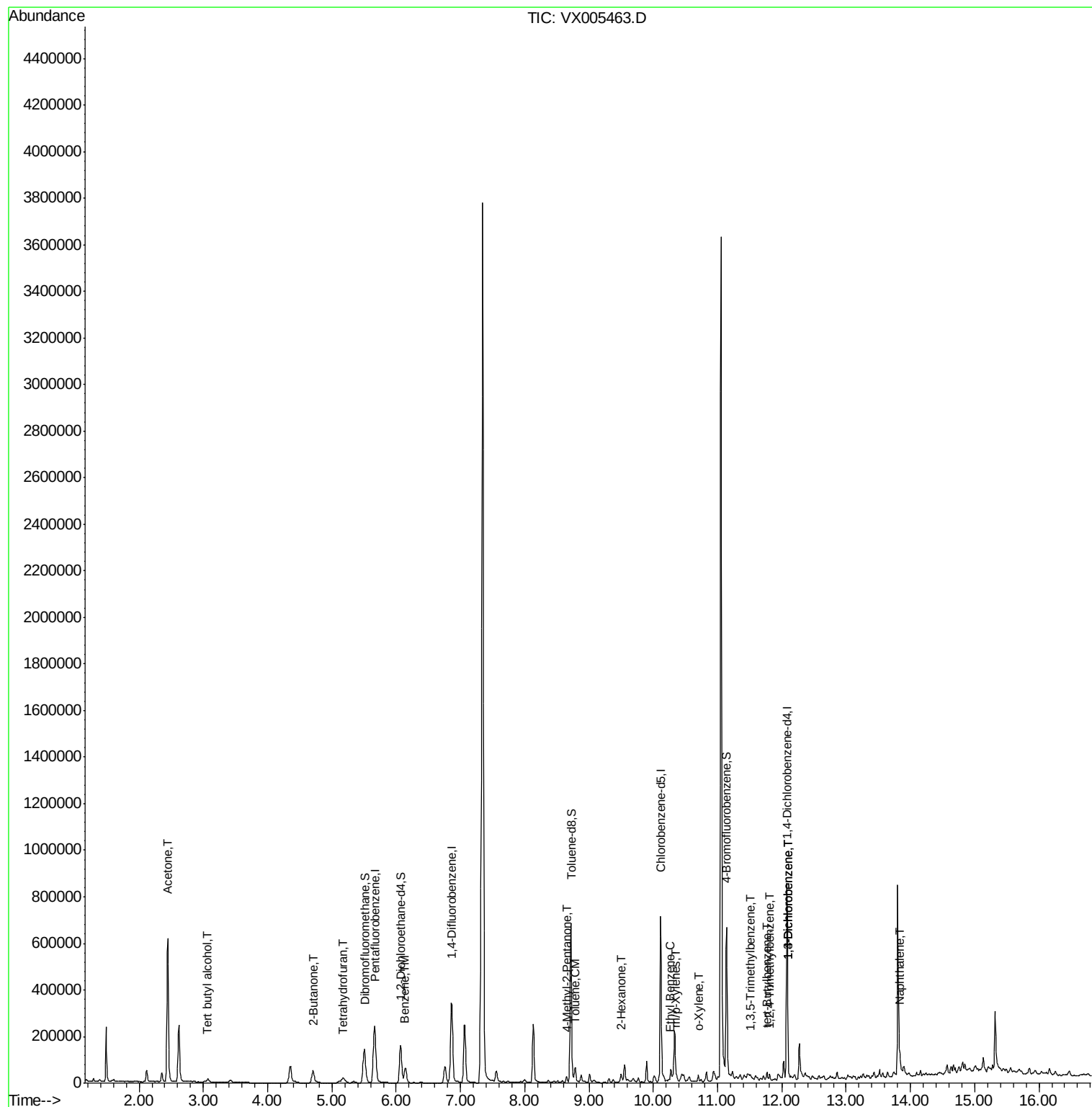
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	17854	21.792	ug/l	98
16) Acetone	2.45	43	651405	387.899	ug/l	99
25) 2-Butanone	4.71	43	90106	36.673	ug/l #	89
29) Tetrahydrofuran	5.16	42	12753	8.137	ug/l	92
40) Benzene	6.13	78	79083	7.291	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	15474	3.608	ug/l	96
52) Toluene	8.79	92	18794	3.167	ug/l	93
59) 2-Hexanone	9.50	43	17757	5.147	ug/l	93
67) Ethyl Benzene	10.26	91	3908	0.334	ug/l	97
68) m/p-Xylenes	10.36	106	6104	1.343	ug/l	92
69) o-Xylene	10.70	106	6095	1.390	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	2623	0.297	ug/l	98
83) tert-Butylbenzene	11.77	119	9325	1.042	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	7112	0.782	ug/l	78
87) 1,3-Dichlorobenzene	12.10	146	10869	1.970	ug/l #	83
88) 1,4-Dichlorobenzene	12.10	146	10869	1.926	ug/l #	82
95) Naphthalene	13.83	128	20962	1.750	ug/l #	89

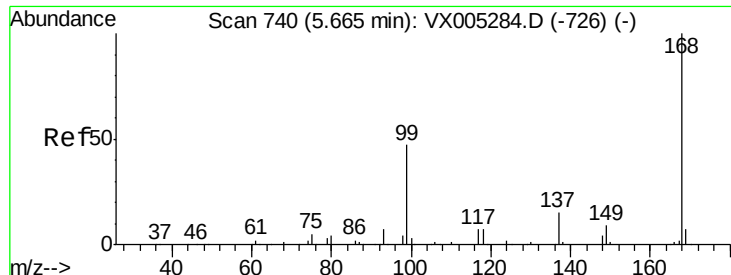
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005463.D

Acq: 19 Oct 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

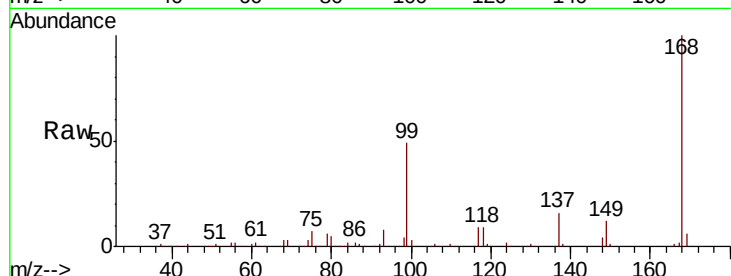
MS-VB-25868-BOX-1

Tot Ion:168 Resp: 261698

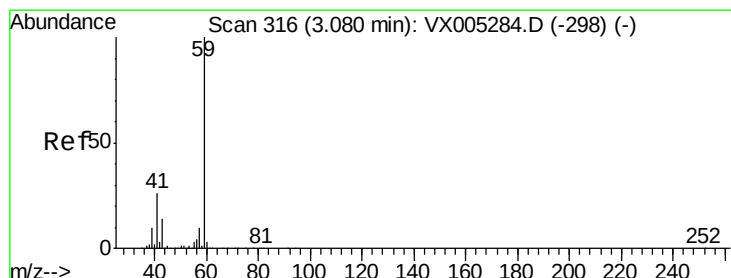
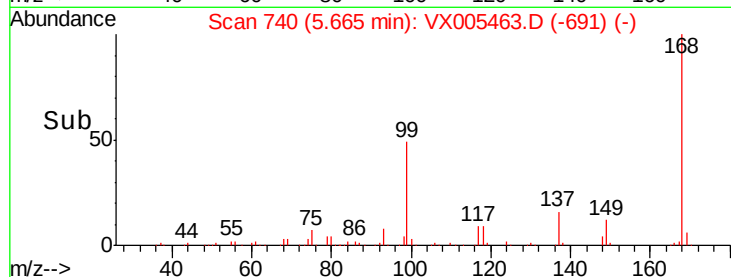
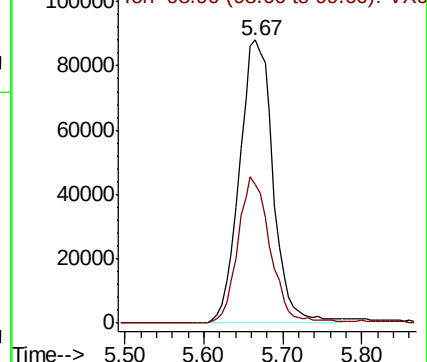
Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX005284.D (-726) (-)



#11

Tert butyl alcohol

Concen: 21.792 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX005463.D

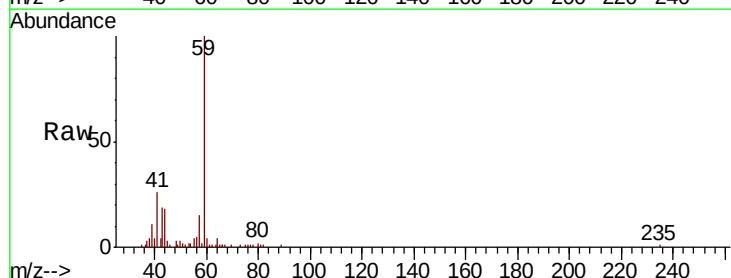
Acq: 19 Oct 2018 17:27

Tgt Ion: 59 Resp: 17854

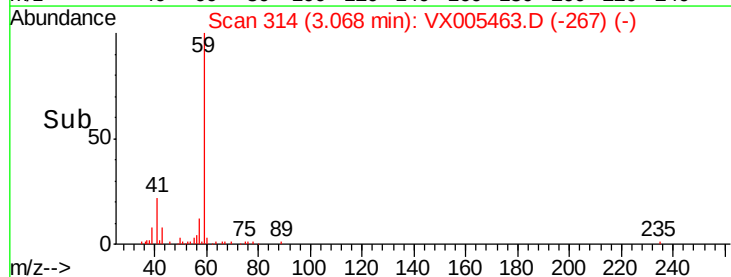
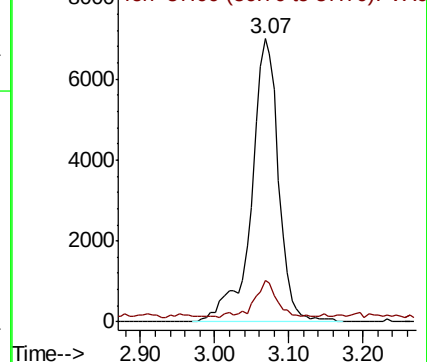
Ion Ratio Lower Upper

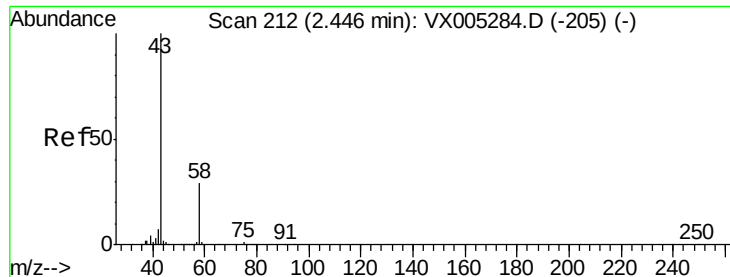
59 100

57 9.6 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX005284.D (-298) (-)

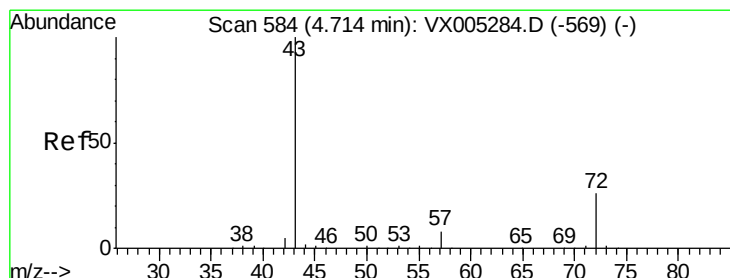
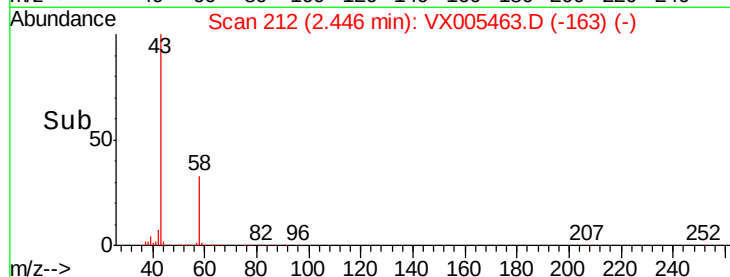
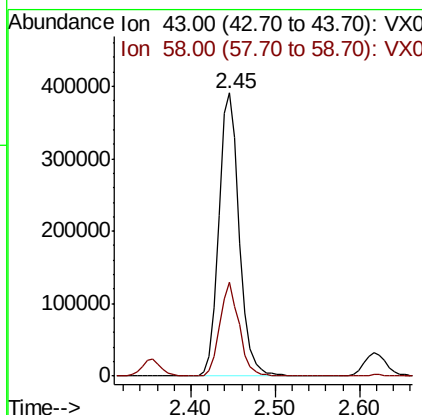
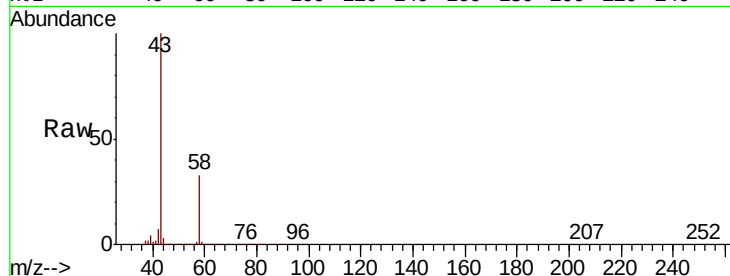




#16
Acetone
Concen: 387.899 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

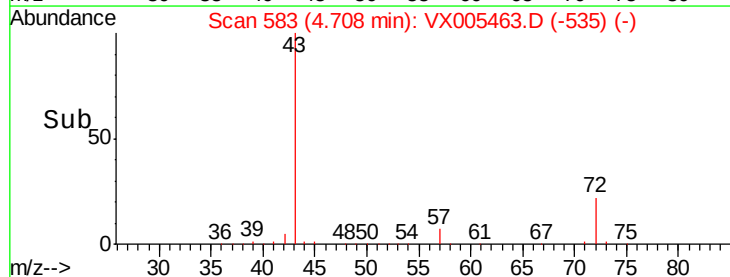
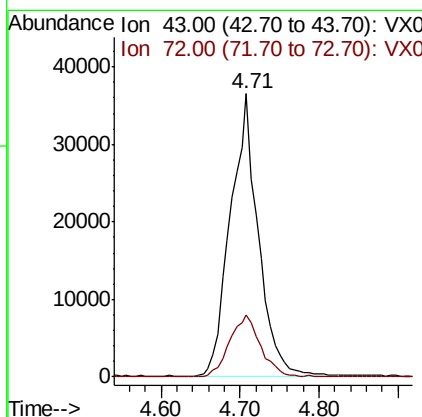
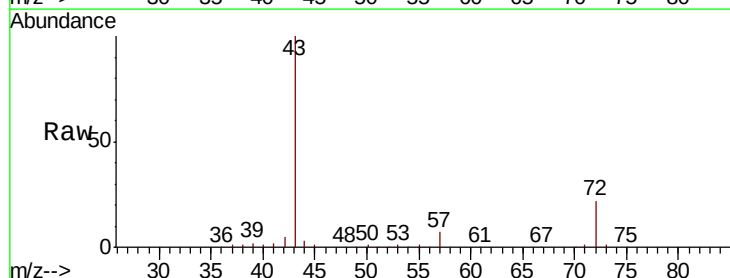
Instrument :
MSVOA_X
ClientSampleId :
MS-VB-25868-BOX-1

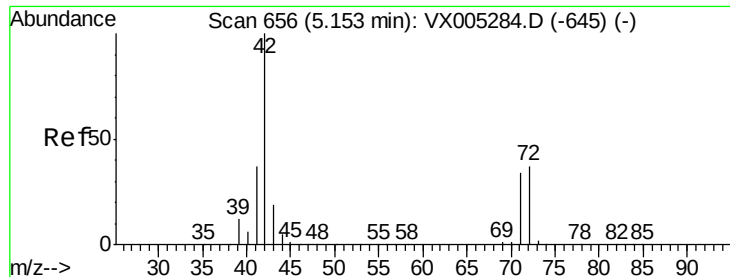
Tot Ion: 43 Resp: 651405
Ion Ratio Lower Upper
43 100
58 33.4 26.2 39.4



#25
2-Butanone
Concen: 36.673 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.01 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Tgt Ion: 43 Resp: 90106
Ion Ratio Lower Upper
43 100
72 21.9 22.0 33.0#

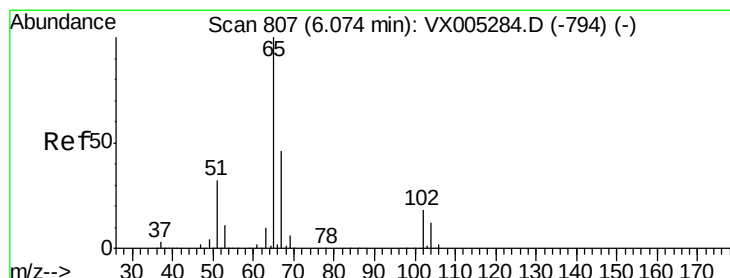
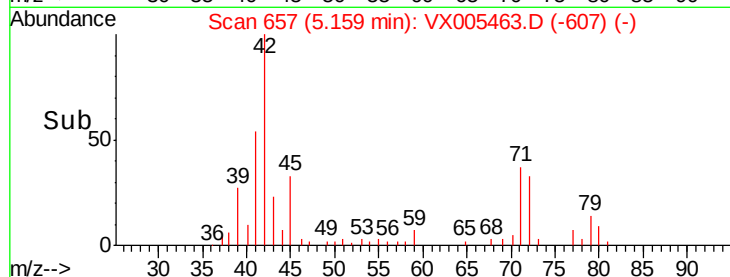
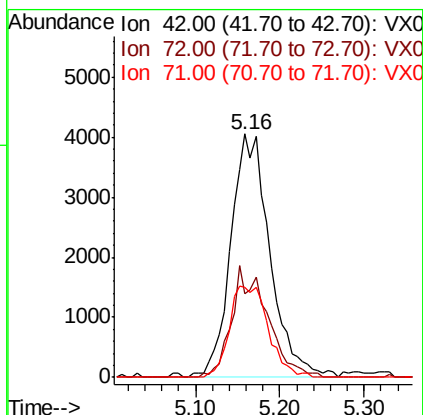
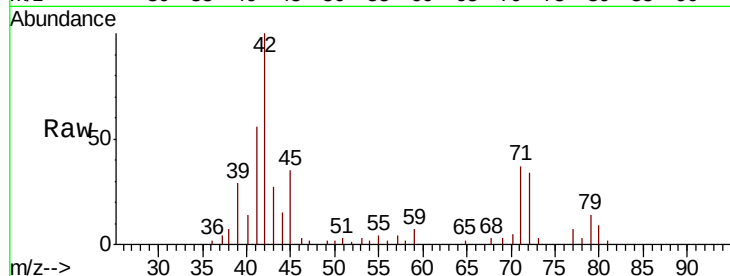




#29
Tetrahydrofuran
Concen: 8.137 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

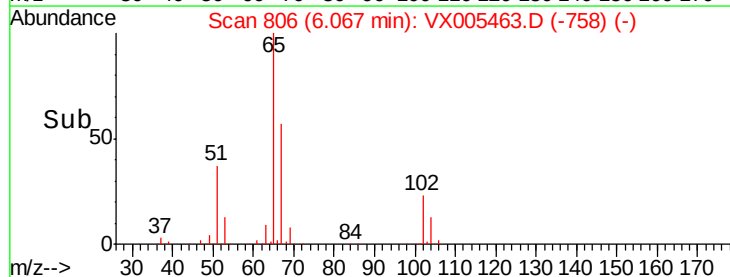
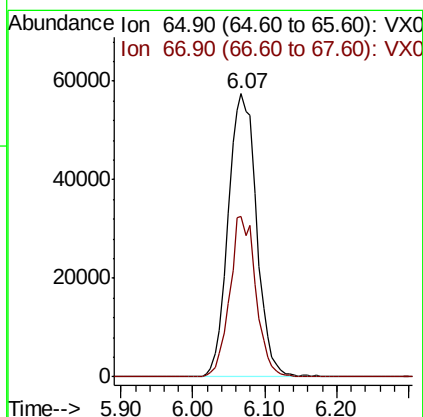
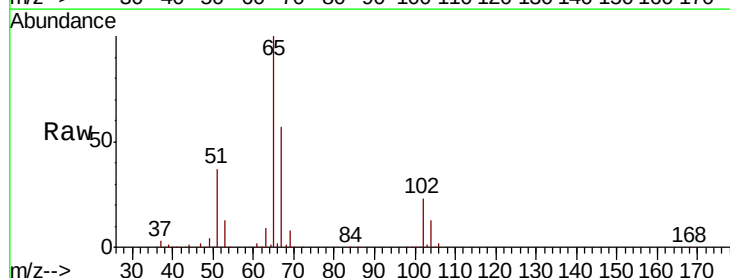
Instrument :
MSVOA_X
ClientSampleId :
MS-VB-25868-BOX-1

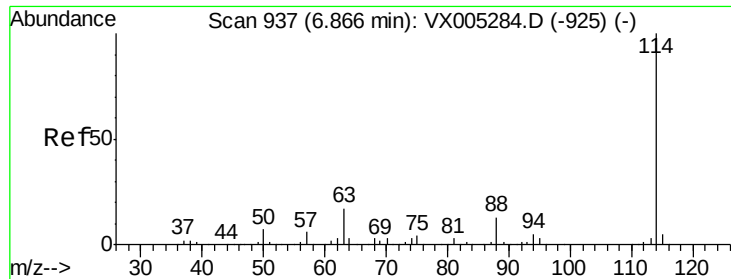
Tot Ion: 42 Resp: 12753
Ion Ratio Lower Upper
42 100
72 41.7 37.4 56.0
71 37.2 34.5 51.7



#33
1,2-Dichloroethane-d4
Concen: 54.073 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Tgt Ion: 65 Resp: 157052
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8

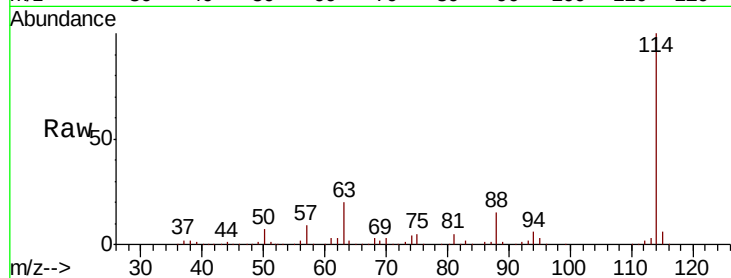




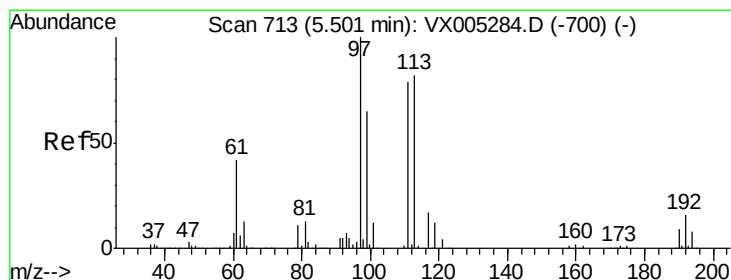
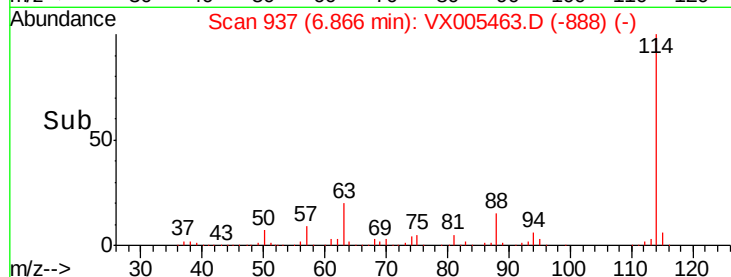
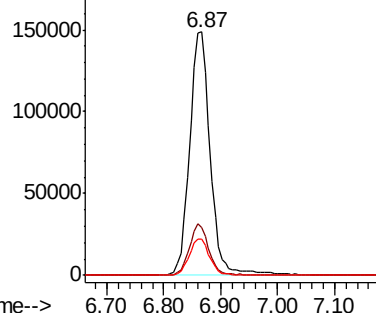
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. -0.00 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
MS-VB-25868-BOX-1

Tot Ion:114 Resp: 373355
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.0
88 14.7 0.0 30.4

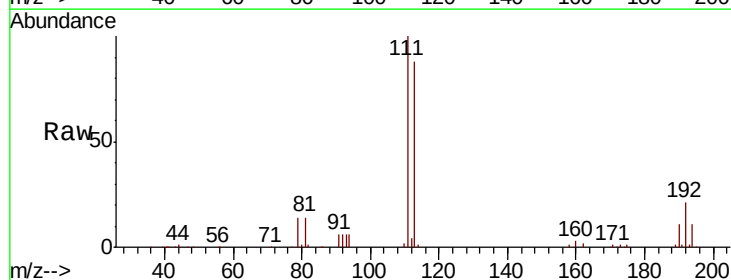


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

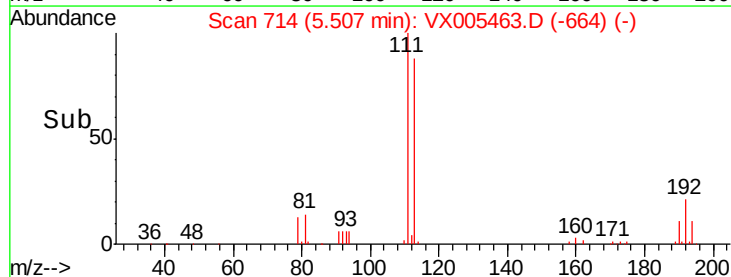
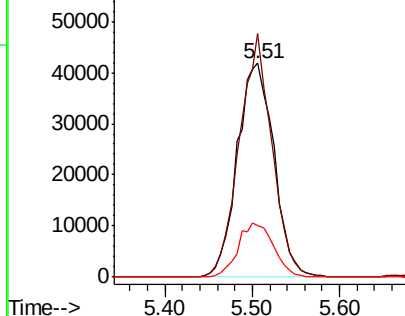


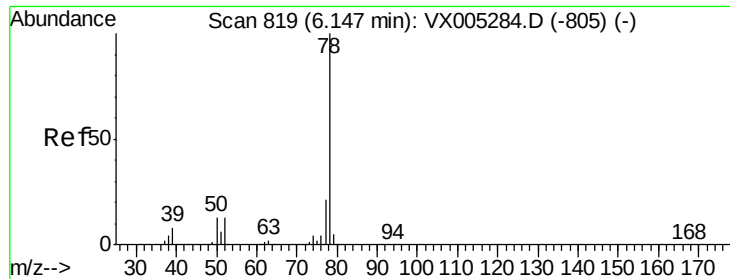
#35
Dibromofluoromethane
Concen: 49.477 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Tgt Ion:113 Resp: 122349
Ion Ratio Lower Upper
113 100
111 100.8 82.4 123.6
192 24.5 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





#40

Benzene

Concen: 7.291 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX005463.D

Acq: 19 Oct 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

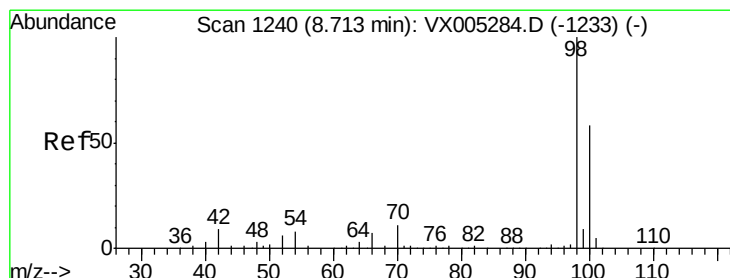
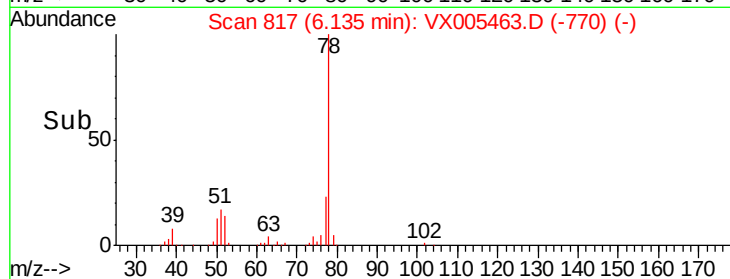
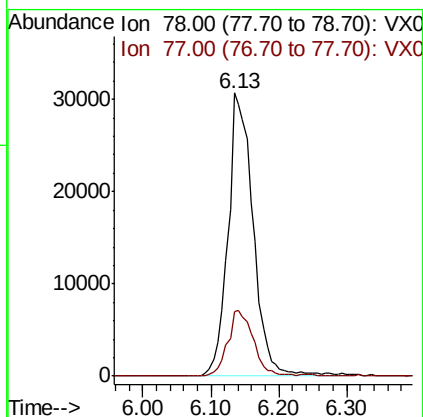
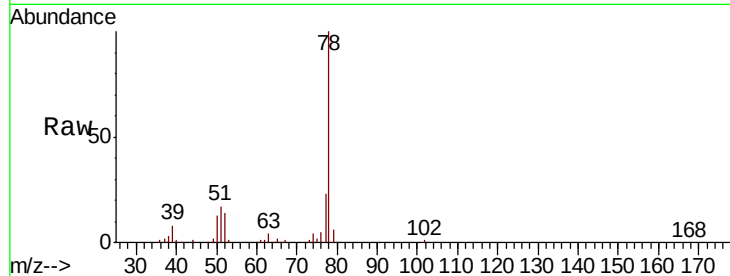
MS-VB-25868-BOX-1

Tot Ion: 78 Resp: 79083

Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.4



#50

Toluene-d8

Concen: 53.274 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005463.D

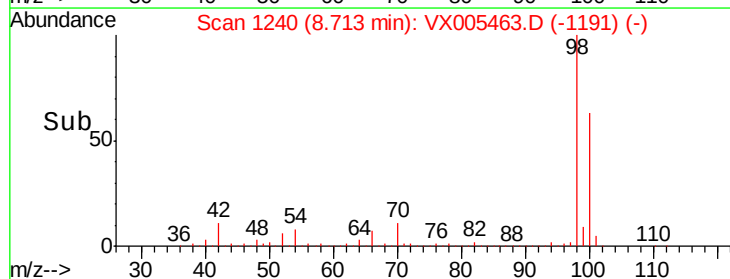
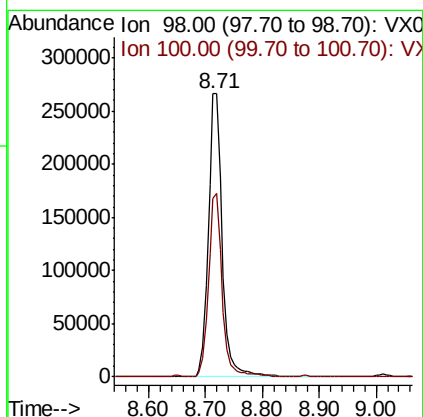
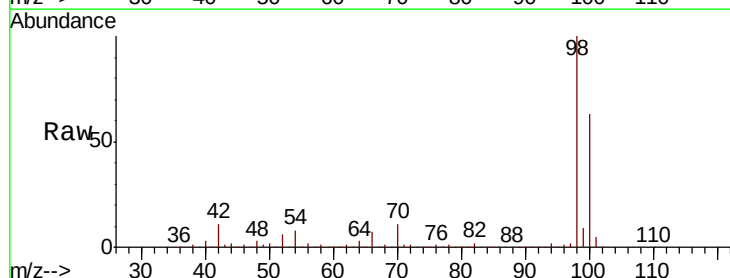
Acq: 19 Oct 2018 17:27

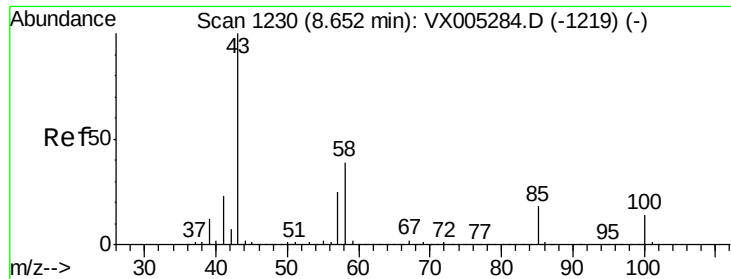
Tgt Ion: 98 Resp: 452265

Ion Ratio Lower Upper

98 100

100 63.6 52.9 79.3

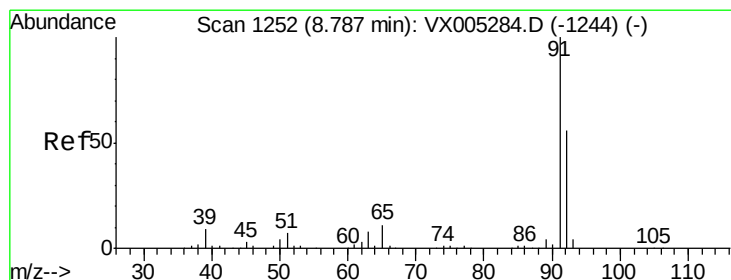
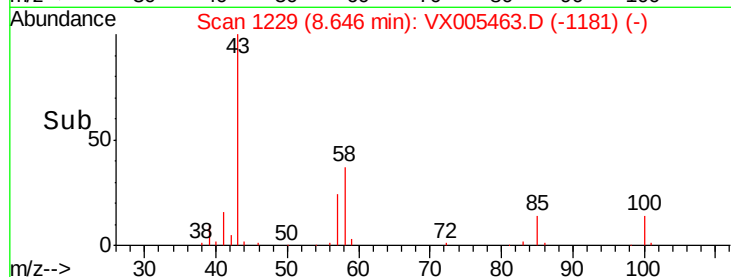
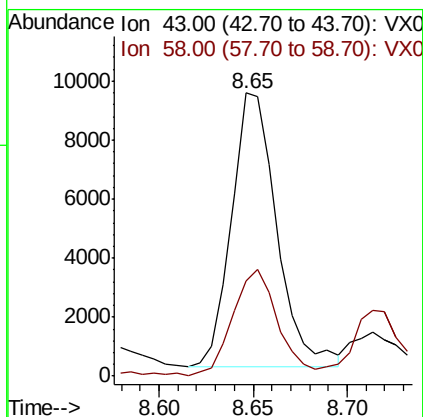
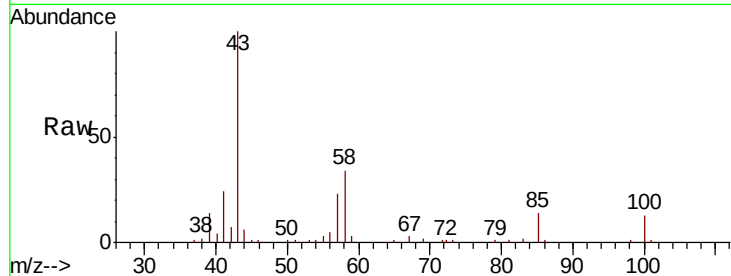




#51
4-Methyl-2-Pentanone
Concen: 3.608 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

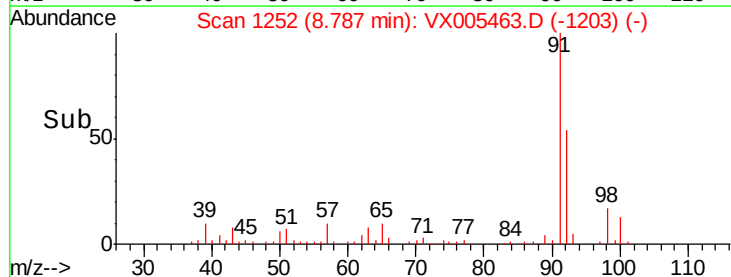
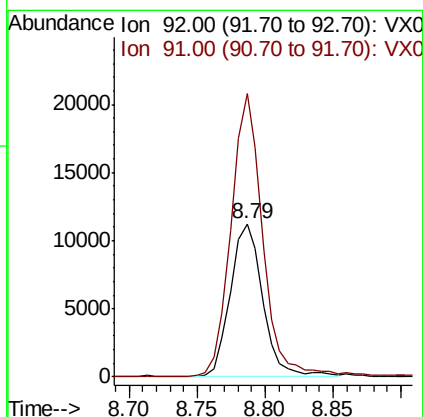
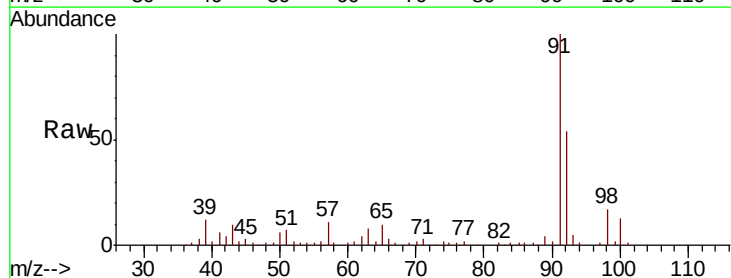
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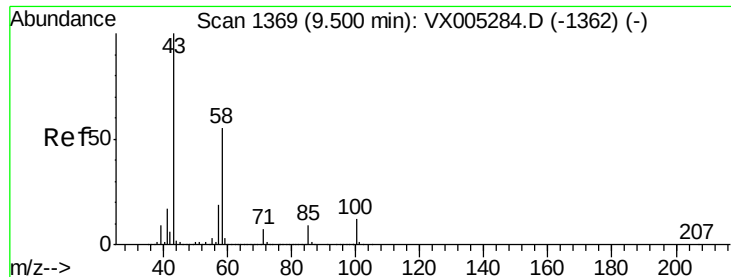
Tot Ion: 43 Resp: 15474
Ion Ratio Lower Upper
43 100
58 38.8 33.1 49.7



#52
Toluene
Concen: 3.167 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Tgt Ion: 92 Resp: 18794
Ion Ratio Lower Upper
92 100
91 180.4 136.4 204.6

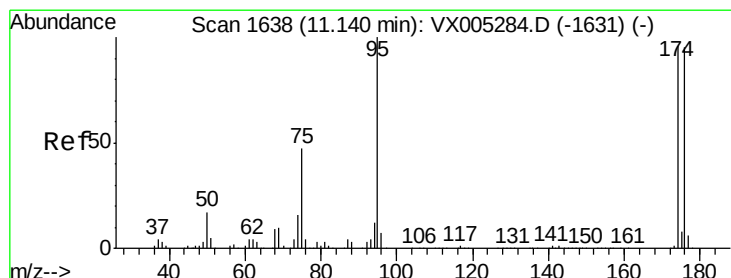
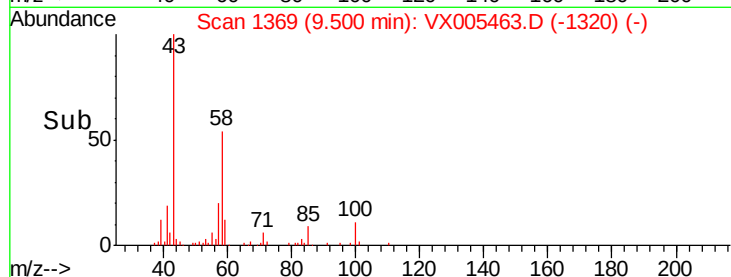
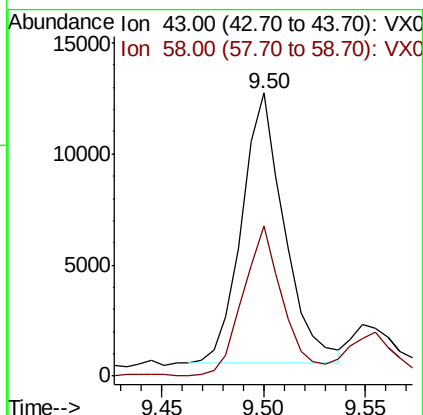
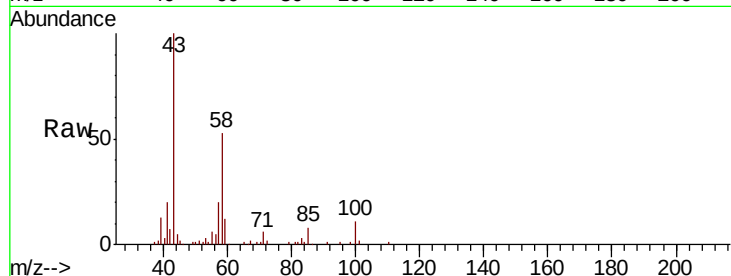




#59
2-Hexanone
Concen: 5.147 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

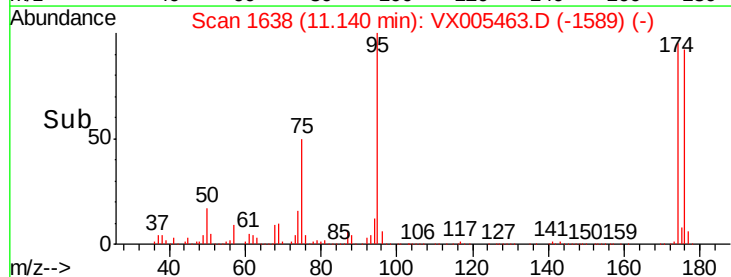
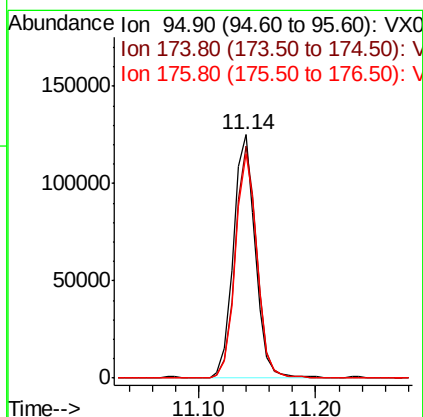
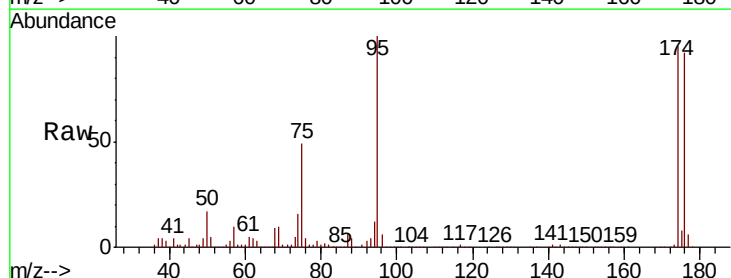
Instrument :
MSVOA_X
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MS-VB-25868-BOX-1

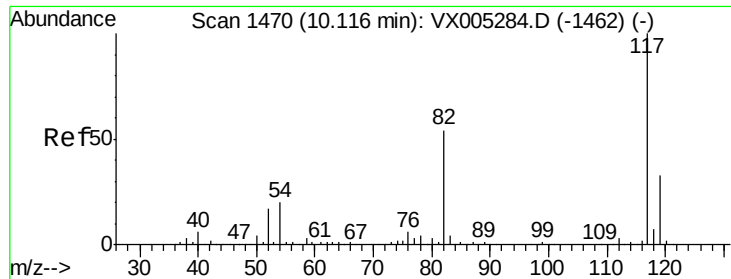
Tot Ion: 43 Resp: 17757
Ion Ratio Lower Upper
43 100
58 52.6 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 51.389 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Tgt Ion: 95 Resp: 163888
Ion Ratio Lower Upper
95 100
174 94.2 0.0 185.2
176 91.5 0.0 178.6

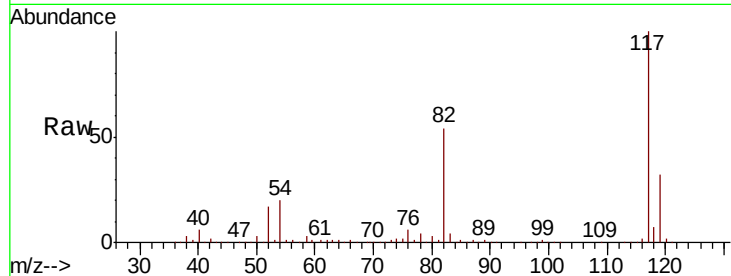




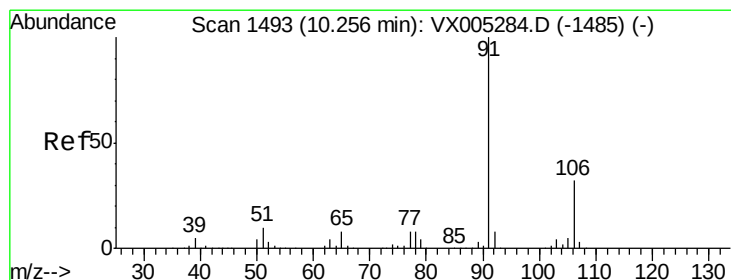
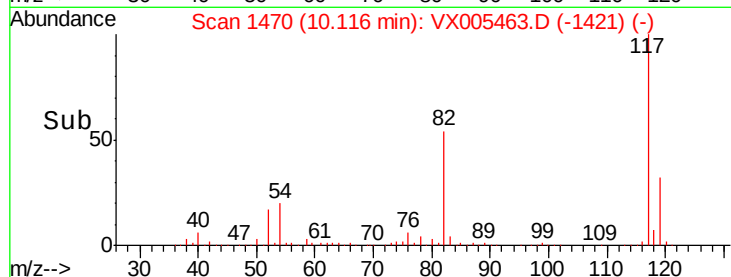
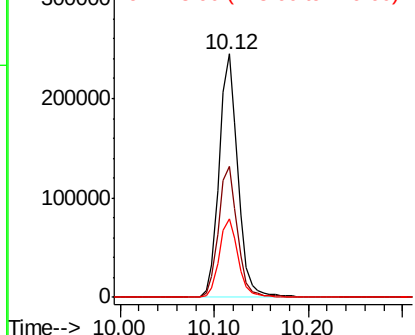
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
MS-VB-25868-BOX-1

Tot Ion:117 Resp: 338667
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.3 29.3 43.9

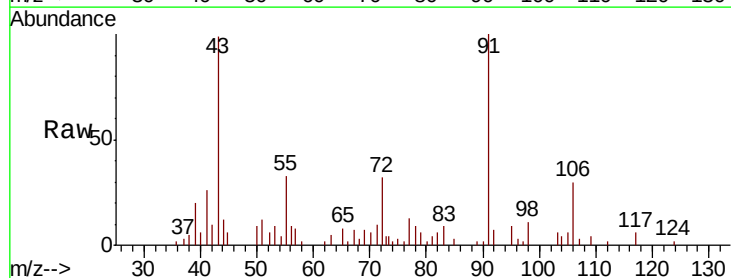


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

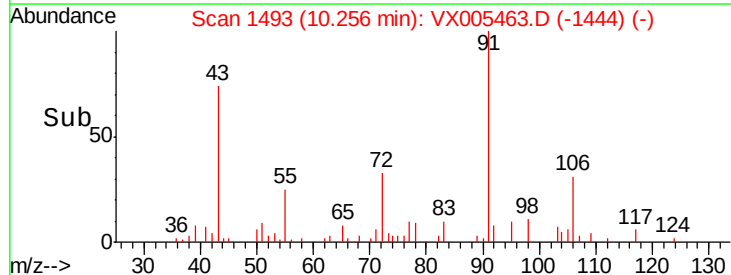
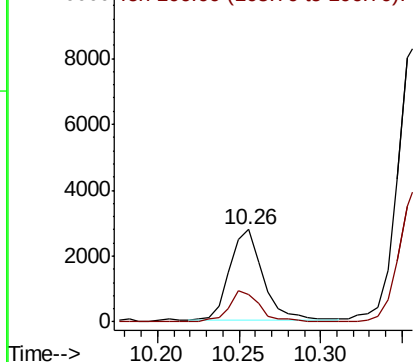


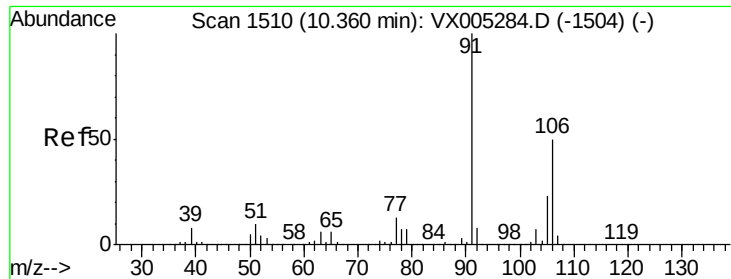
#67
Ethyl Benzene
Concen: 0.334 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005463.D
Acq: 19 Oct 2018 17:27

Tgt Ion: 91 Resp: 3908
Ion Ratio Lower Upper
91 100
106 30.9 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-Xylenes

Concen: 1.343 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005463.D

Acq: 19 Oct 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

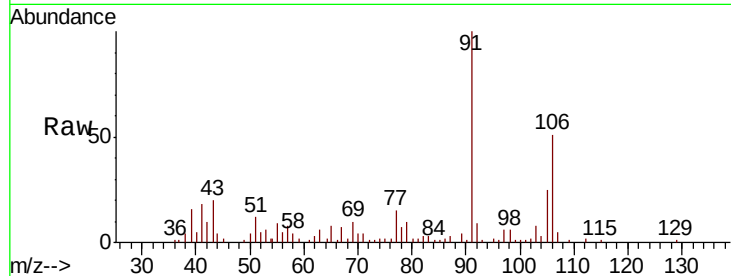
MS-VB-25868-BOX-1

Tot Ion:106 Resp: 6104

Ion Ratio Lower Upper

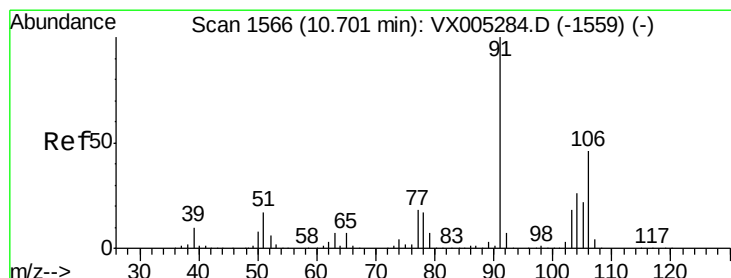
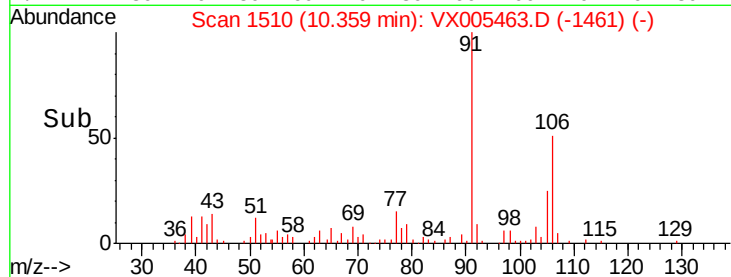
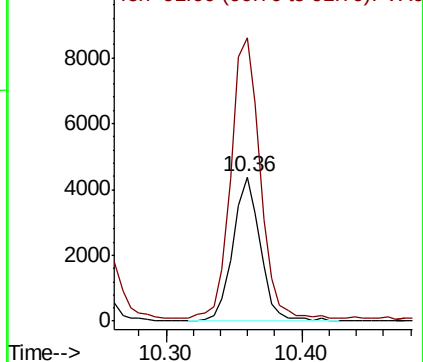
106 100

91 207.9 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.390 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX005463.D

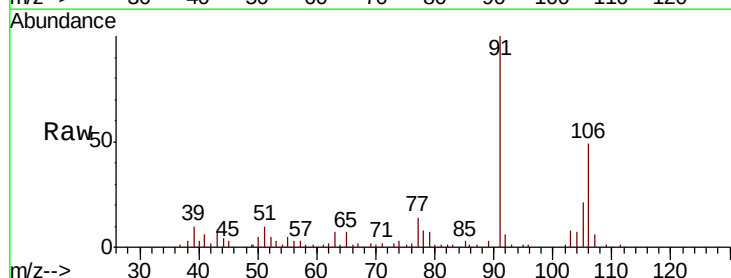
Acq: 19 Oct 2018 17:27

Tgt Ion:106 Resp: 6095

Ion Ratio Lower Upper

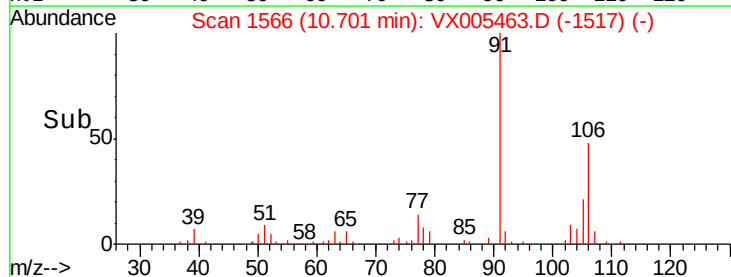
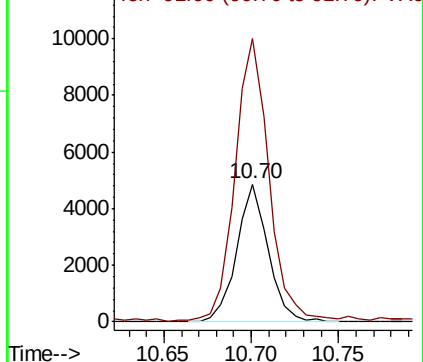
106 100

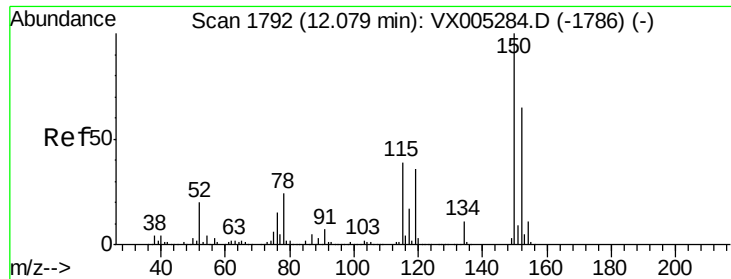
91 222.0 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005463.D

Acq: 19 Oct 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

MS-VB-25868-BOX-1

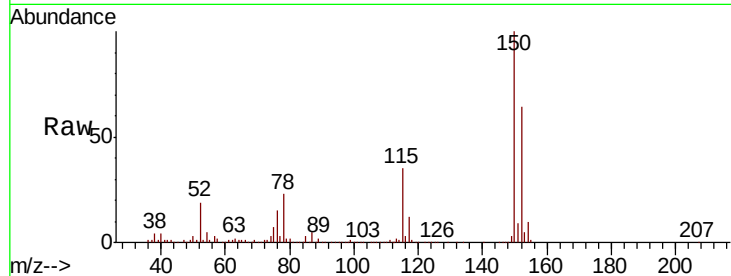
Tot Ion:152 Resp: 173680

Ion Ratio Lower Upper

152 100

115 55.2 39.0 117.0

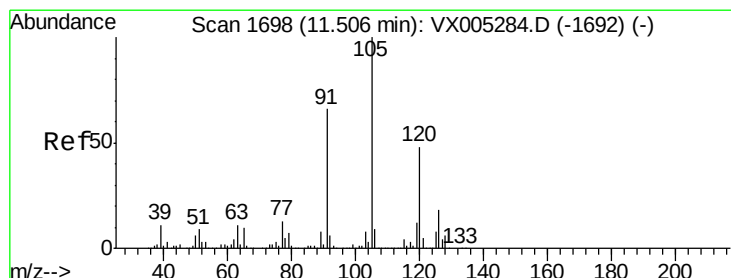
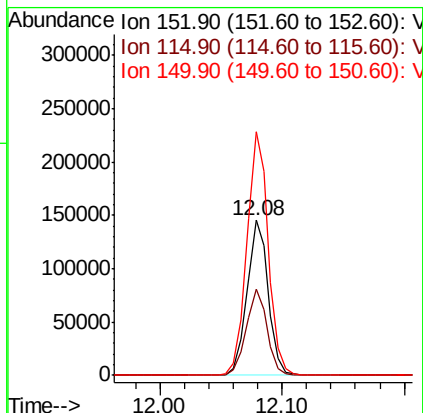
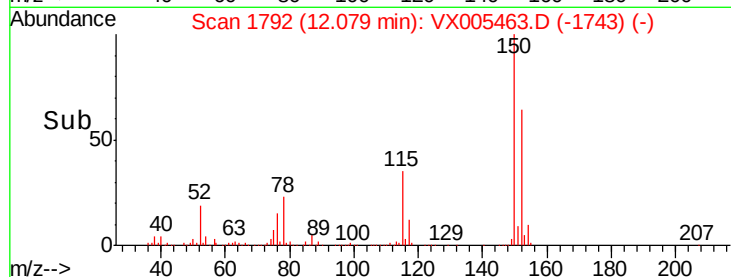
150 158.4 0.0 351.0



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



#80

1,3,5-Trimethylbenzene

Concen: 0.297 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX005463.D

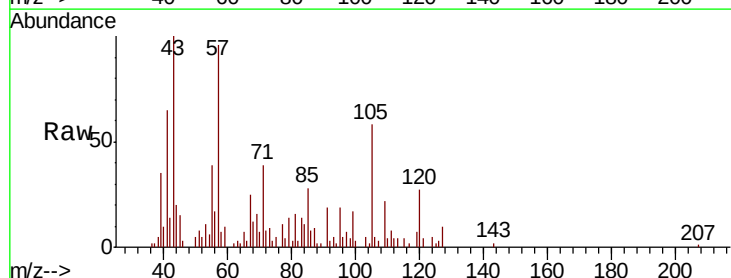
Acq: 19 Oct 2018 17:27

Tgt Ion:105 Resp: 2623

Ion Ratio Lower Upper

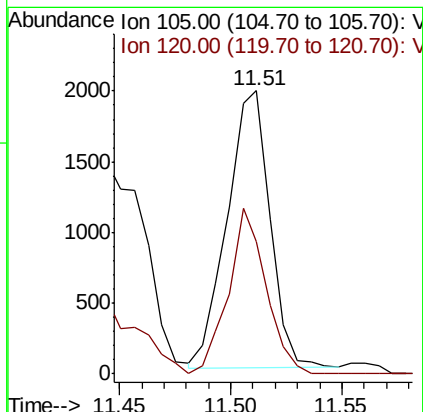
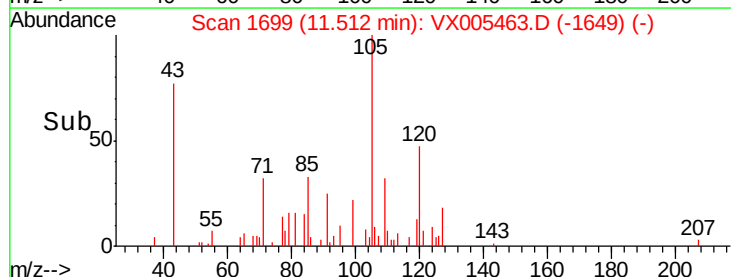
105 100

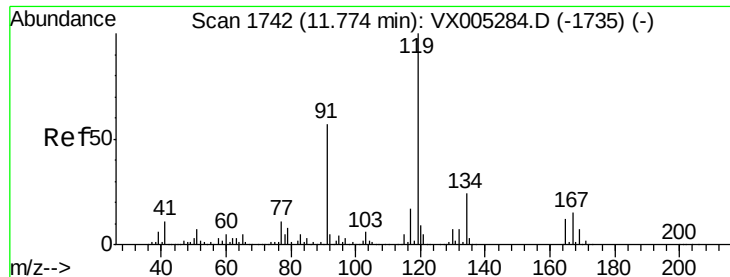
120 52.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

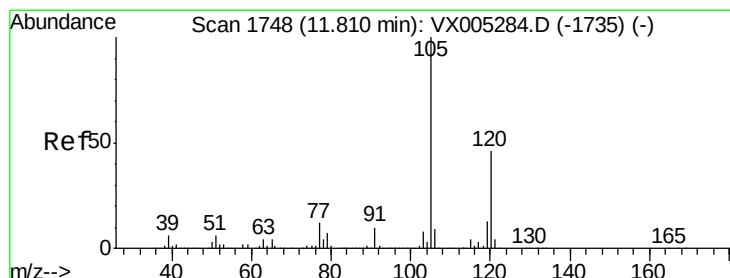
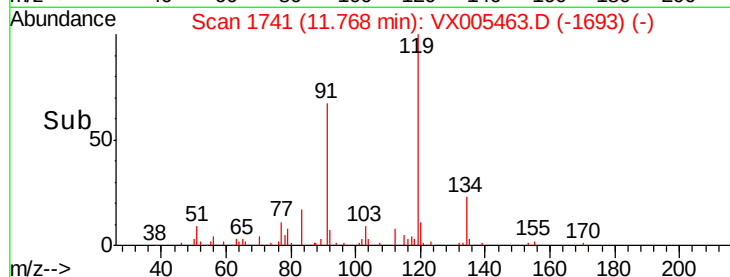
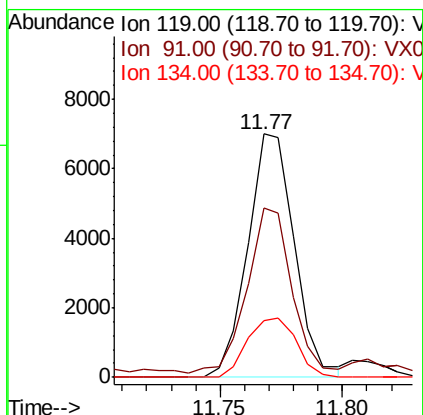
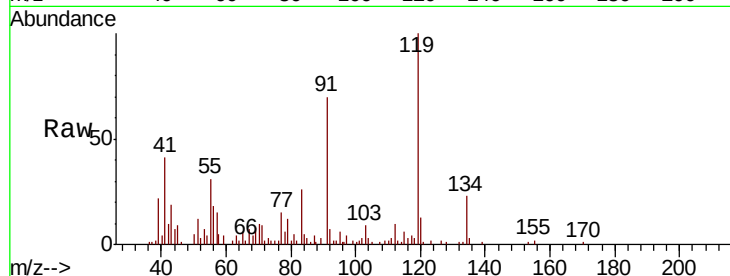




#83
 tert-Butylbenzene
 Concen: 1.042 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005463.D
 Acq: 19 Oct 2018 17:27

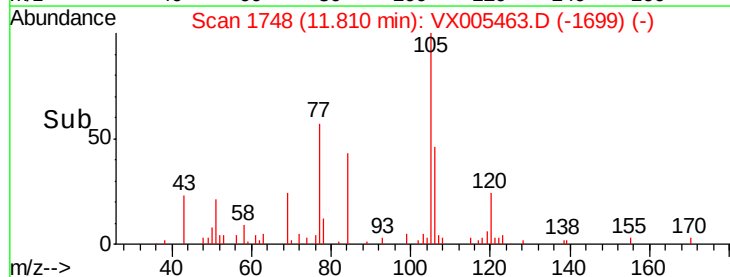
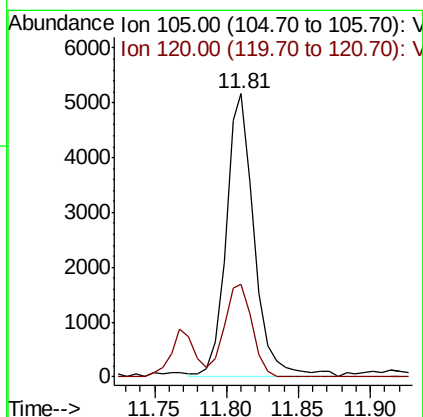
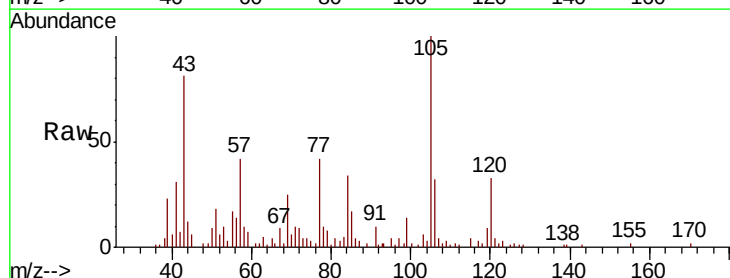
Instrument :
 MSVOA_X
 ClientSampleId :
 MS-VB-25868-BOX-1

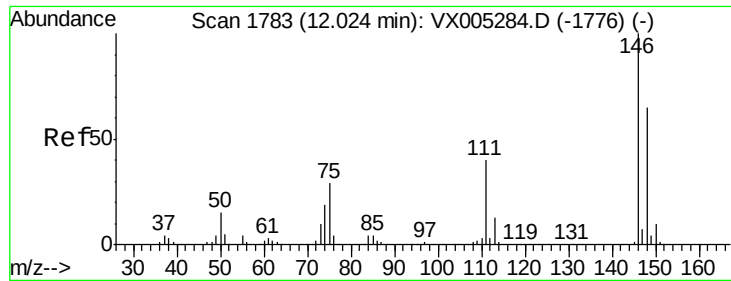
Tot Ion:119 Resp: 9325
 Ion Ratio Lower Upper
 119 100
 91 64.2 27.0 81.0
 134 25.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.782 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005463.D
 Acq: 19 Oct 2018 17:27

Tgt Ion:105 Resp: 7112
 Ion Ratio Lower Upper
 105 100
 120 32.1 23.2 69.6

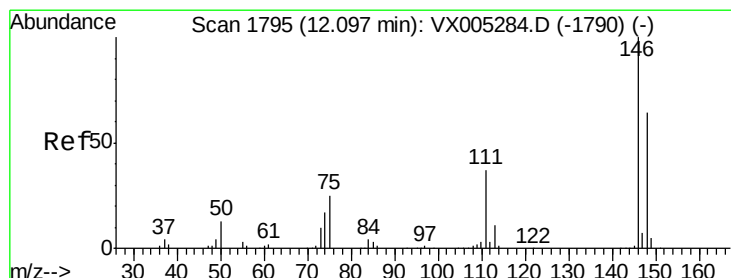
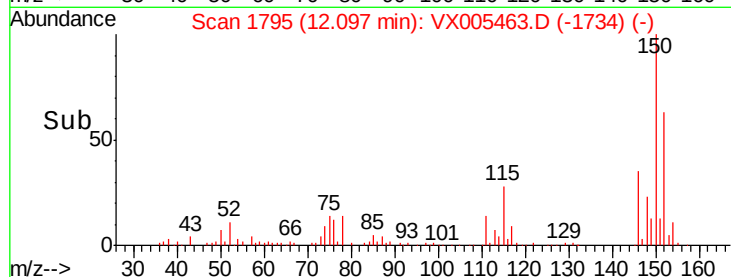
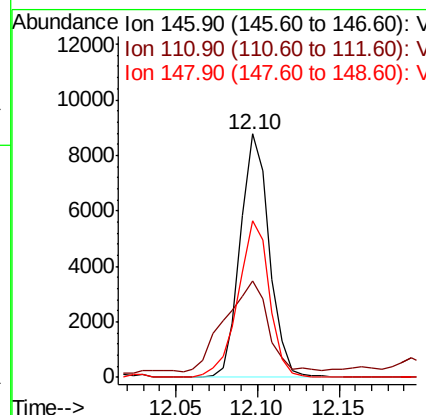
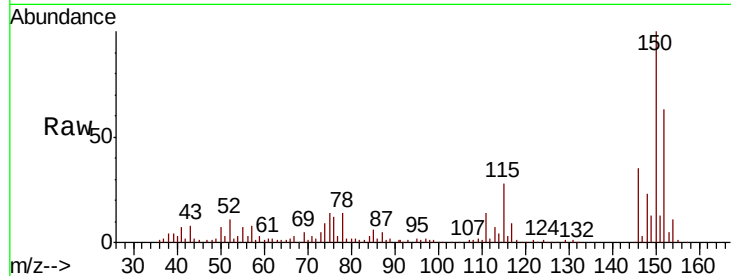




#87
 1,3-Dichlorobenzene
 Concen: 1.970 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.07 min
 Lab File: VX005463.D
 Acq: 19 Oct 2018 17:27

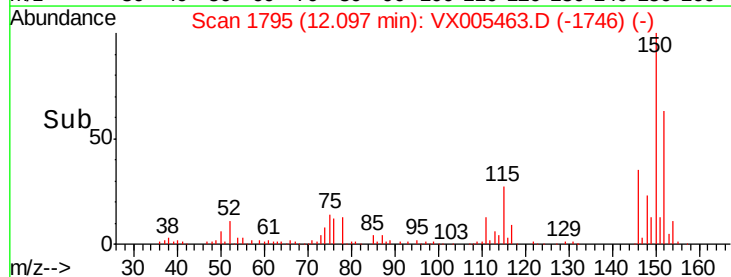
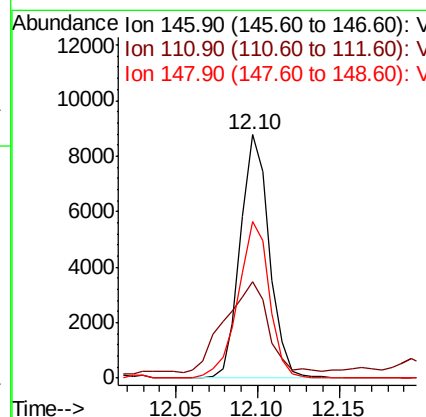
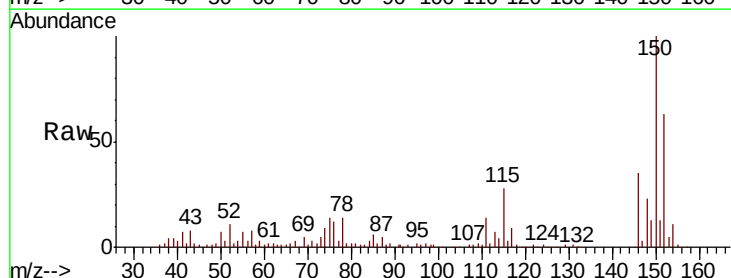
Instrument :
 MSVOA_X
 ClientSampleId :
 MS-VB-25868-BOX-1

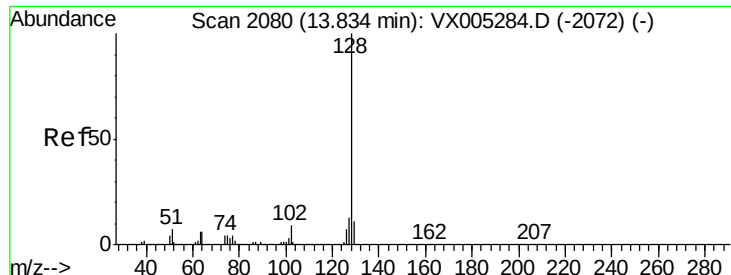
Tot Ion:146 Resp: 10869
 Ion Ratio Lower Upper
 146 100
 111 58.5 18.7 56.1#
 148 69.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 1.926 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005463.D
 Acq: 19 Oct 2018 17:27

Tgt Ion:146 Resp: 10869
 Ion Ratio Lower Upper
 146 100
 111 58.5 18.1 54.1#
 148 69.3 32.0 96.0





#95

Naphthalene

Concen: 1.750 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005463.D

Acq: 19 Oct 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

MS-VB-25868-BOX-1

Tot Ion:128 Resp: 20962

Ion Ratio Lower Upper

128 100

127 17.4 10.2 15.2#

129 14.5 8.6 12.8#

