

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003809.D
 Acq On : 01 Aug 2018 21:46
 Operator : JC/SP
 Sample : J4121-07RE
 Misc : 9.95G/5.0mL/MSVOA X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:57:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	25626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	33238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	18739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	3820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	10655	41.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.22%	
35) Dibromofluoromethane	5.51	113	10348	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	8.72	98	33221	40.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.42%	
62) 4-Bromofluorobenzene	11.14	95	4936	16.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.82%	

Target Compounds

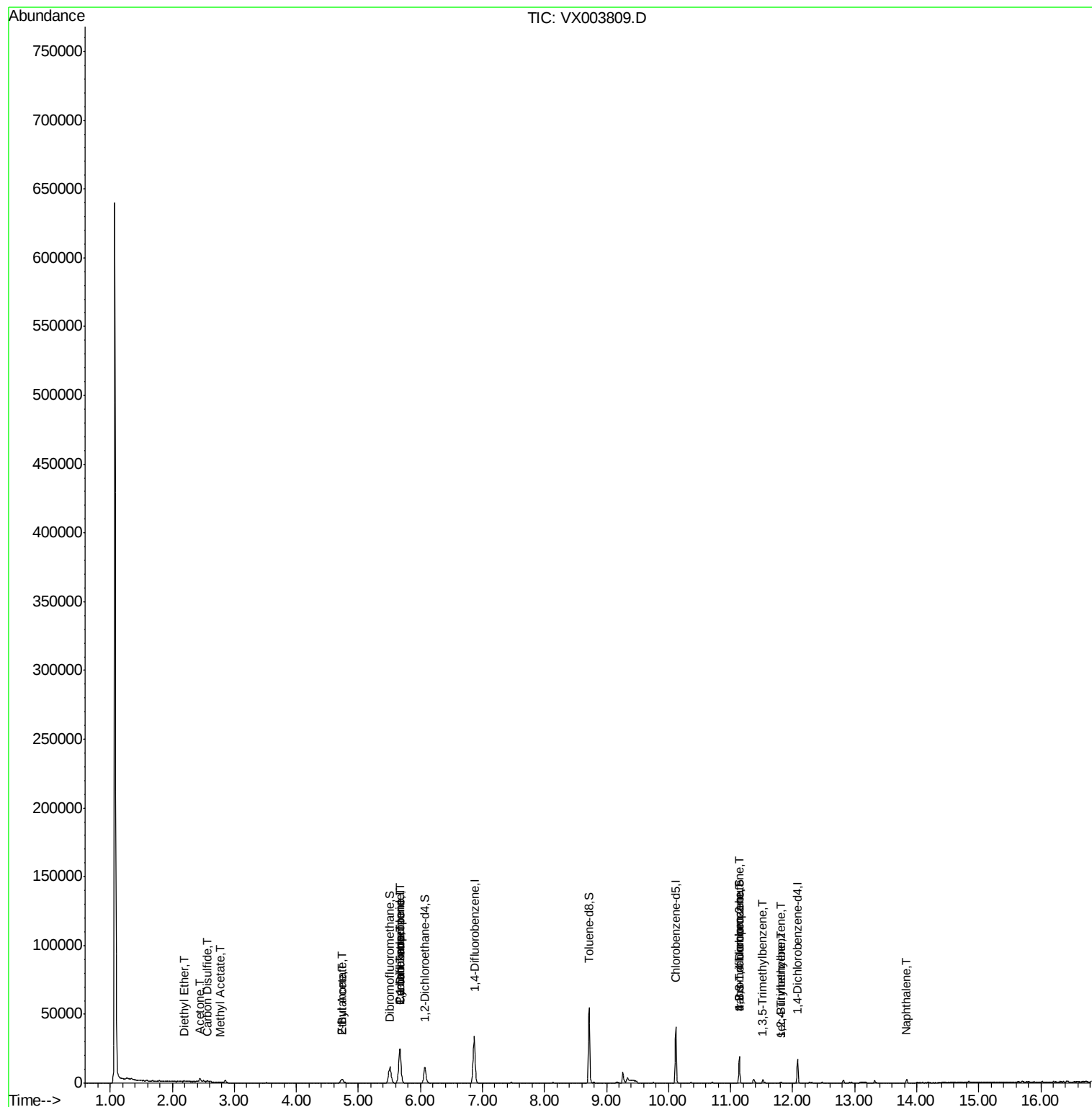
						Qvalue
5) Bromomethane	1.65	94	71	Below Cal	#	73
8) Diethyl Ether	2.19	74	170	1.17	ug/l	52
16) Acetone	2.45	43	2305	23.28	ug/l	95
17) Carbon Disulfide	2.57	76	1239	1.66	ug/l #	85
18) Methyl Acetate	2.78	43	282	1.01	ug/l #	52
20) Methylene Chloride	2.86	84	767	Below Cal		86
25) 2-Butanone	4.72	43	470	3.26	ug/l #	49
31) Cyclohexane	5.67	56	470	1.14	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	1632	5.24	ug/l #	44
37) Ethyl Acetate	4.72	43	470	1.97	ug/l #	80
38) Carbon Tetrachloride	5.67	117	2301	7.99	ug/l #	12
76) 1,2,3-Trichloropropane	11.14	75	2434	46.23	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	232	1.14	ug/l	77
81) trans-1,4-Dichloro-2-buten	11.14	75	2434	136.93	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	304	1.45	ug/l	81
85) sec-Butylbenzene	11.81	105	304	1.18	ug/l #	56
95) Naphthalene	13.83	128	1774	8.91	ug/l	96

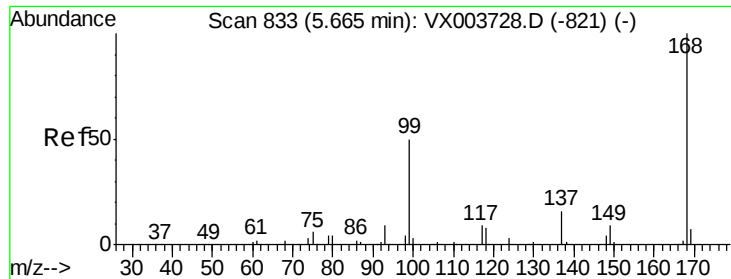
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration

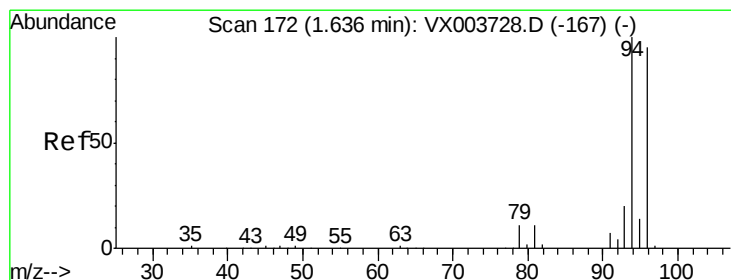
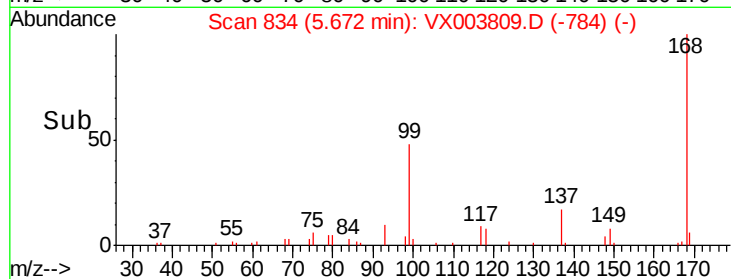
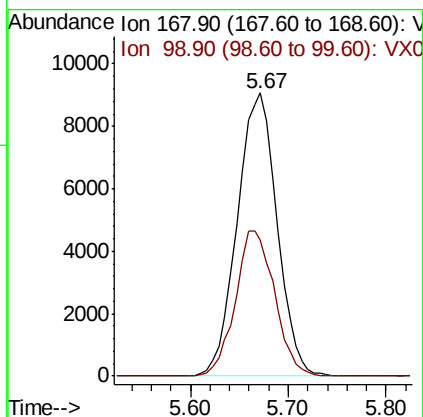
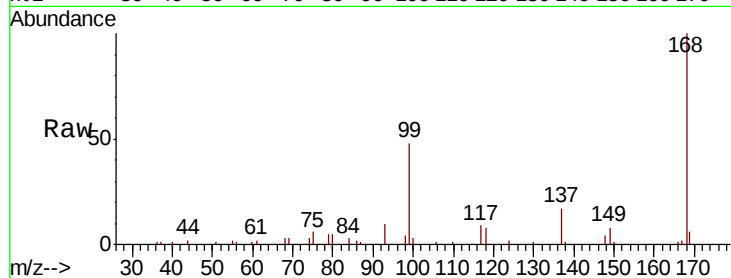




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003809.D
Acq: 01 Aug 2018 21:46

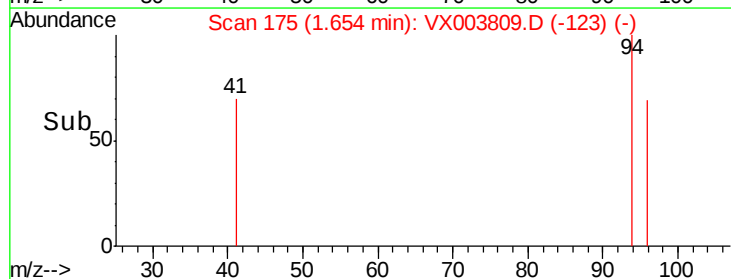
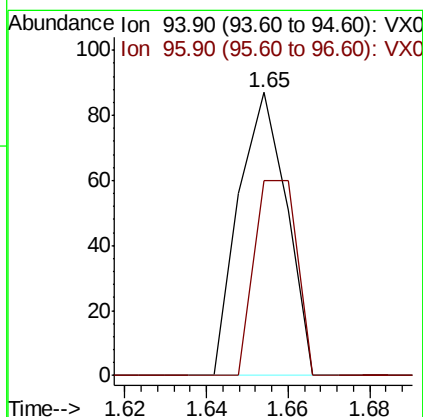
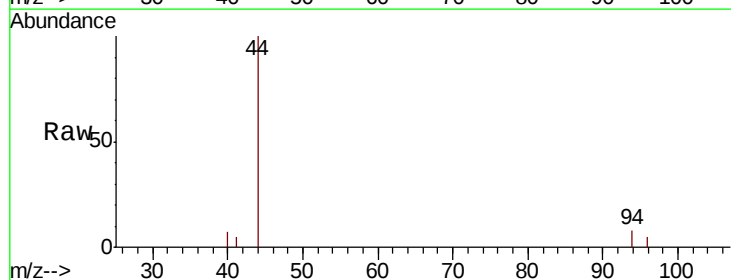
Instrument :
MSVOA_X
ClientSampled :

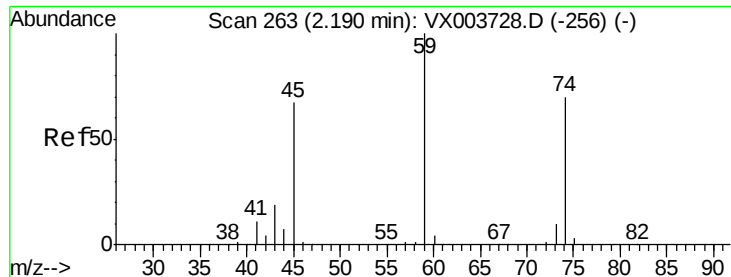
Tot Ion:168 Resp: 25626
Ion Ratio Lower Upper
168 100
99 48.0 40.2 60.2



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 175
Delta R.T. 0.02 min
Lab File: VX003809.D
Acq: 01 Aug 2018 21:46

Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 69.0 76.0 114.0#

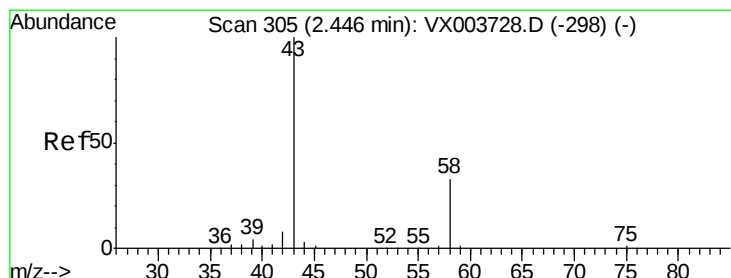
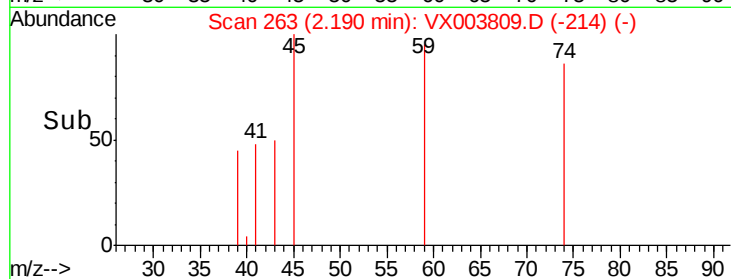
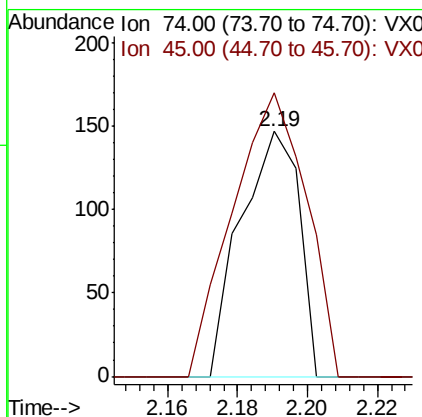
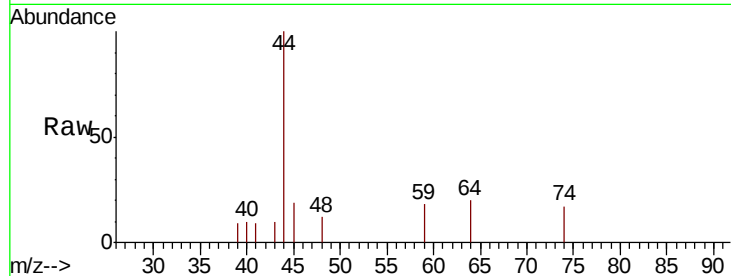




#8
 Diethyl Ether
 Concen: 1.17 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003809.D
 Acq: 01 Aug 2018 21:46

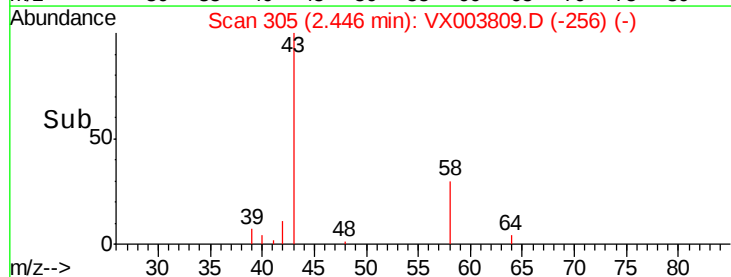
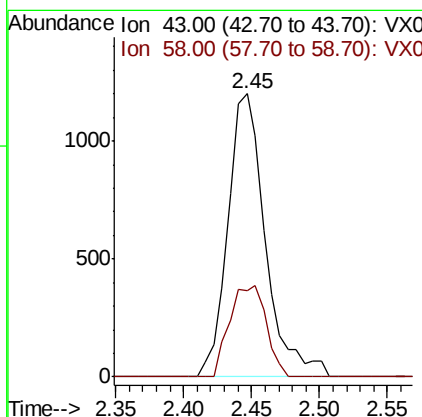
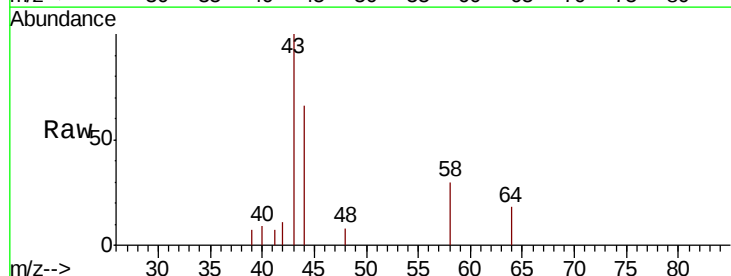
Instrument :
 MSVOA_X
 ClientSampleId :

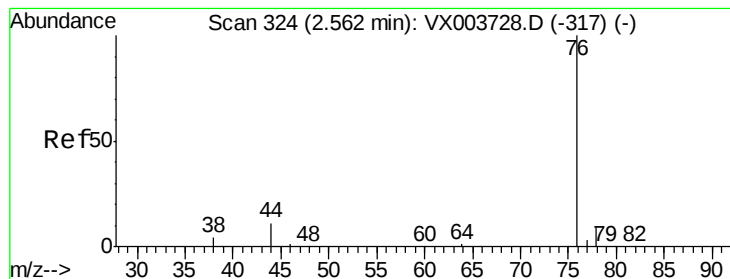
Tot Ion: 74 Resp: 170
 Ion Ratio Lower Upper
 74 100
 45 146.5 49.5 148.7



#16
 Acetone
 Concen: 23.28 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VX003809.D
 Acq: 01 Aug 2018 21:46

Tgt Ion: 43 Resp: 2305
 Ion Ratio Lower Upper
 43 100
 58 30.3 26.7 40.1





#17

Carbon Disulfide

Concen: 1.66 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

Instrument :

MSVOA_X

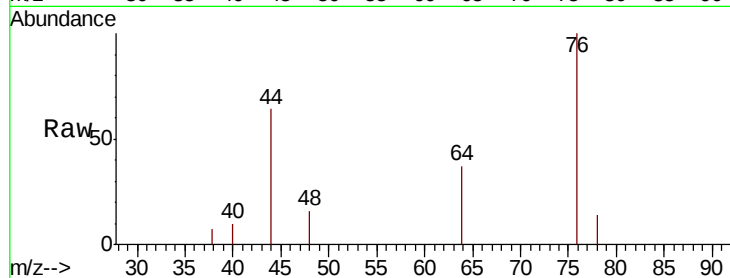
ClientSampled :

Tot Ion: 76 Resp: 1239

Ion Ratio Lower Upper

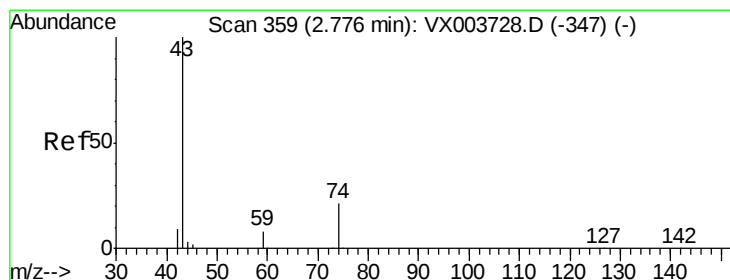
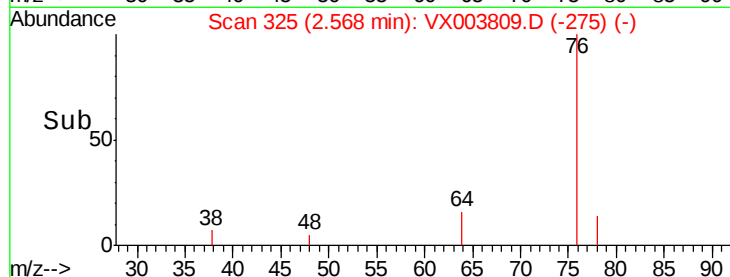
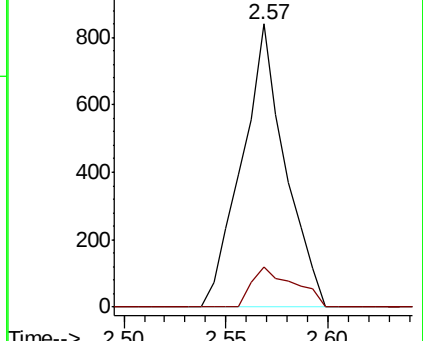
76 100

78 14.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.01 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003809.D

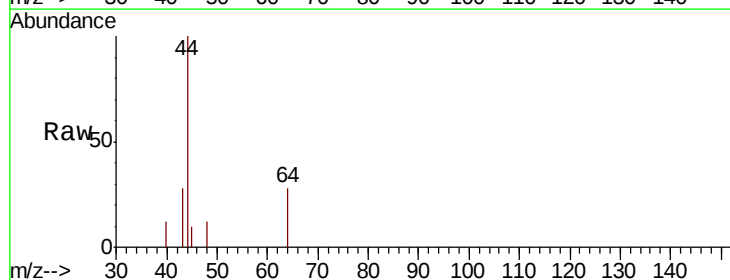
Acq: 01 Aug 2018 21:46

Tgt Ion: 43 Resp: 282

Ion Ratio Lower Upper

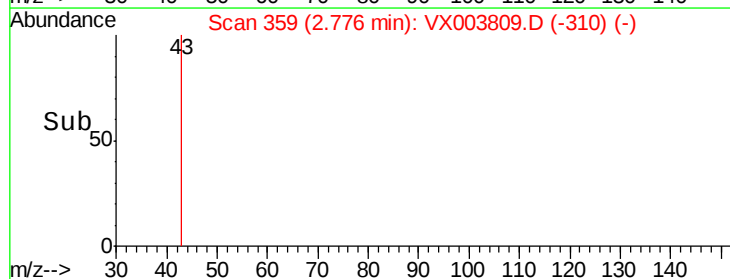
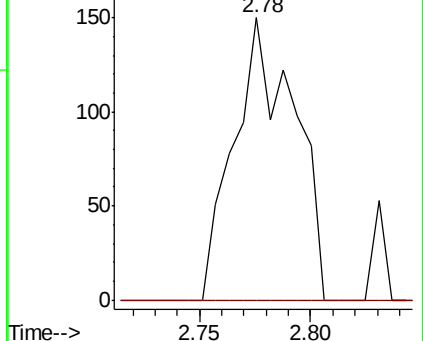
43 100

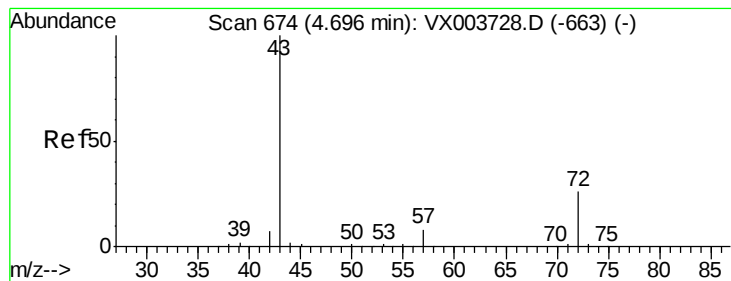
74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 3.26 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.02 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

Instrument :

MSVOA_X

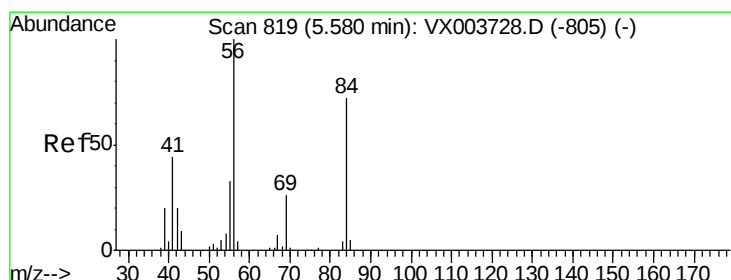
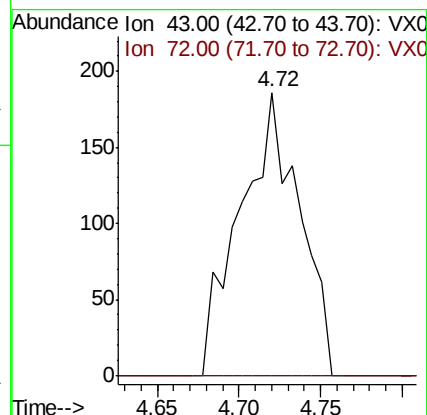
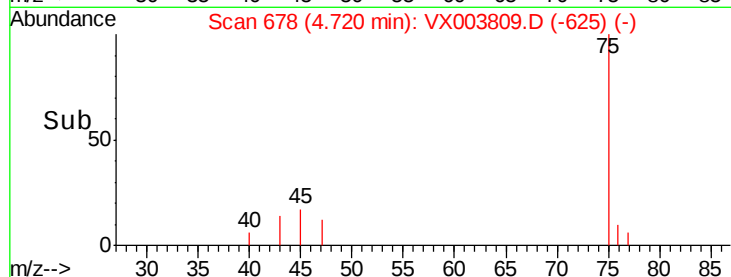
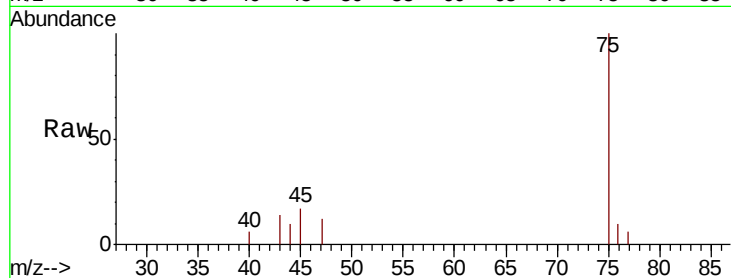
ClientSampleId :

Tot Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#31

Cyclohexane

Concen: 1.14 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

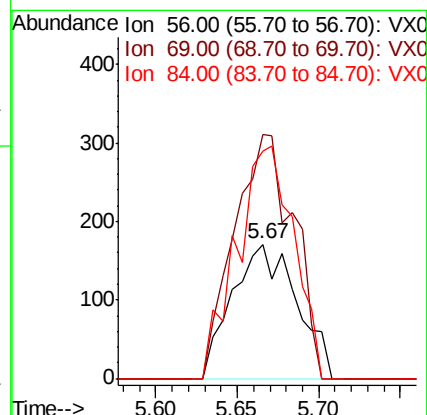
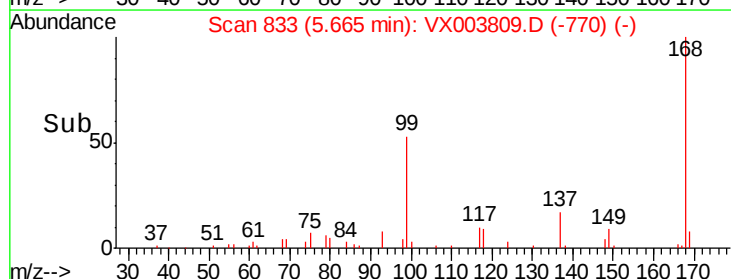
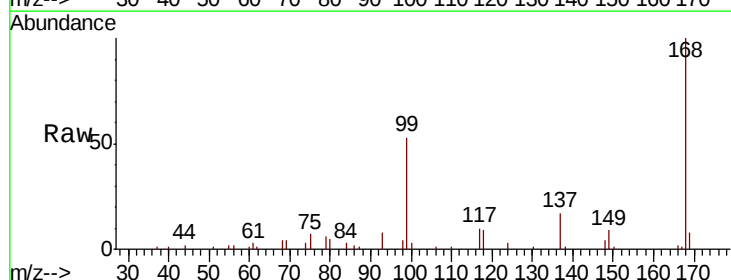
Tgt Ion: 56 Resp: 470

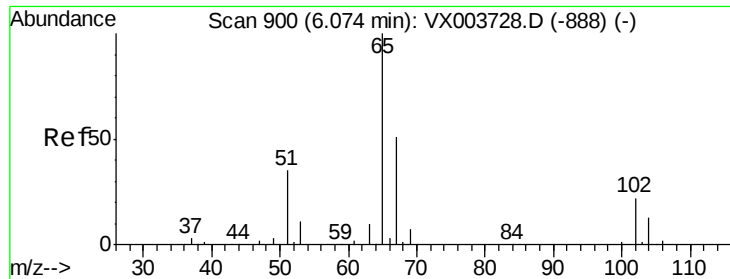
Ion Ratio Lower Upper

56 100

69 181.9 20.6 30.8#

84 169.0 57.9 86.9#

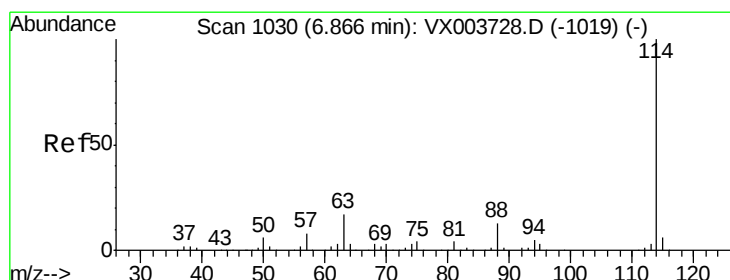
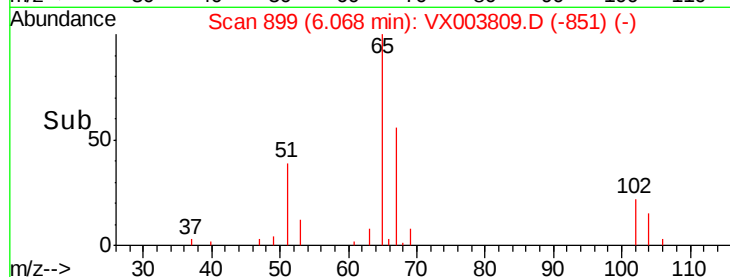
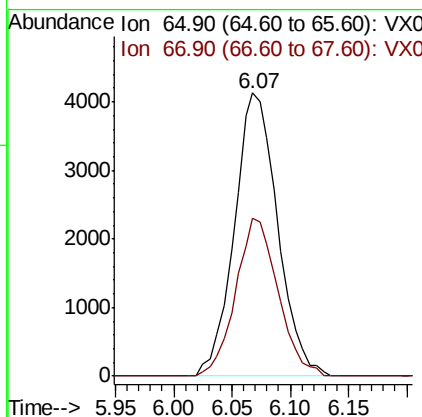
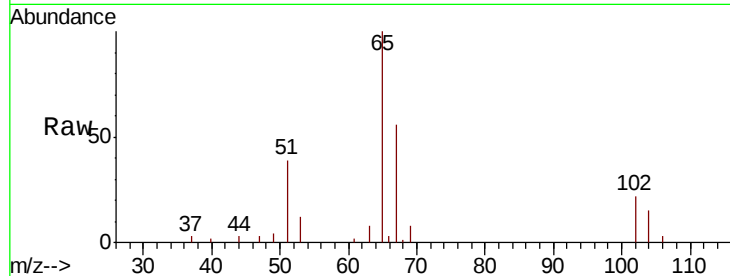




#33
 1,2-Dichloroethane-d4
 Concen: 41.11 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003809.D
 Acq: 01 Aug 2018 21:46

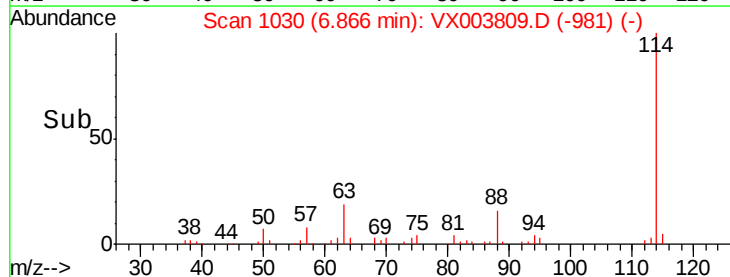
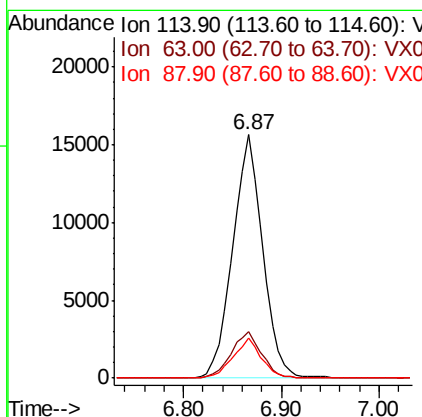
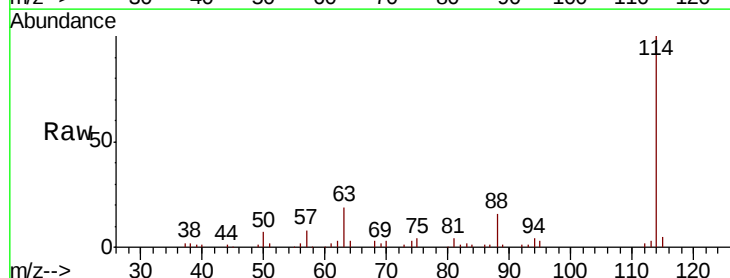
Instrument :
 MSVOA_X
 ClientSampleId :

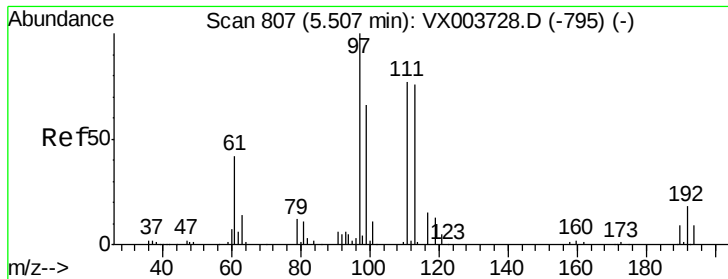
Tot Ion: 65 Resp: 10655
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003809.D
 Acq: 01 Aug 2018 21:46

Tgt Ion: 114 Resp: 33238
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 34.0
 88 16.2 0.0 26.4





#35

Dibromofluoromethane

Concen: 52.87 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

Instrument :

MSVOA_X

ClientSampleId :

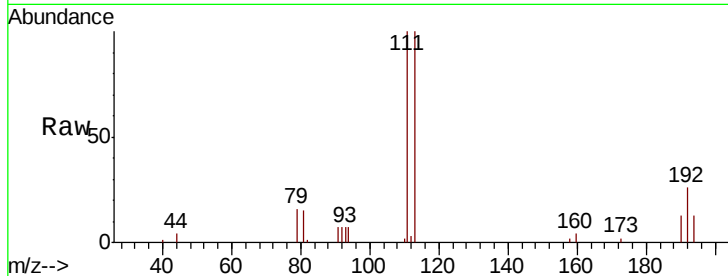
Tot Ion:113 Resp: 10348

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

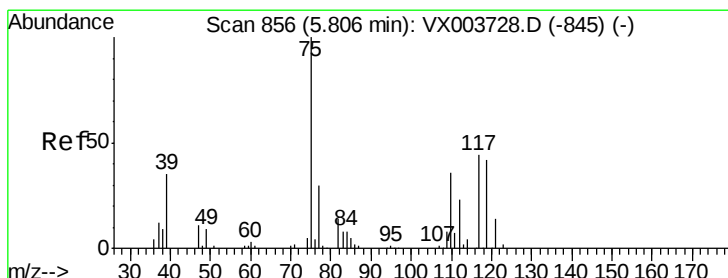
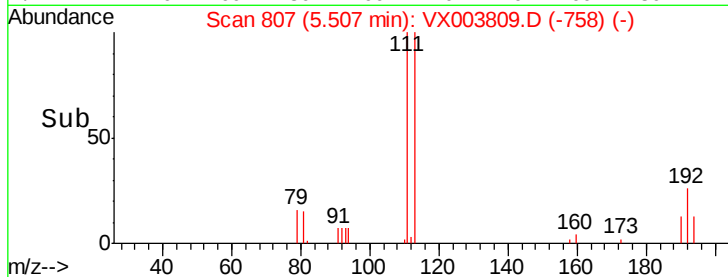
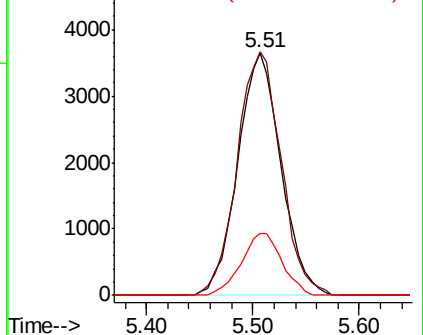
192 24.2 18.8 28.2



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



#36

1,1-Dichloropropene

Concen: 5.24 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

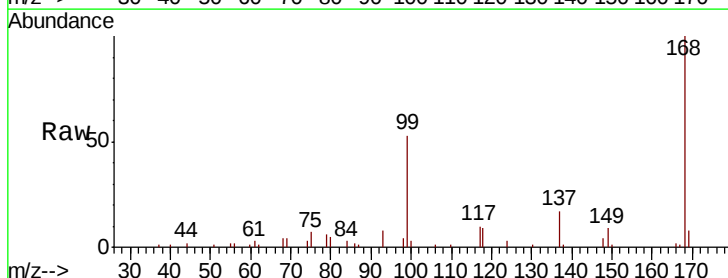
Tgt Ion: 75 Resp: 1632

Ion Ratio Lower Upper

75 100

110 4.1 18.3 54.8#

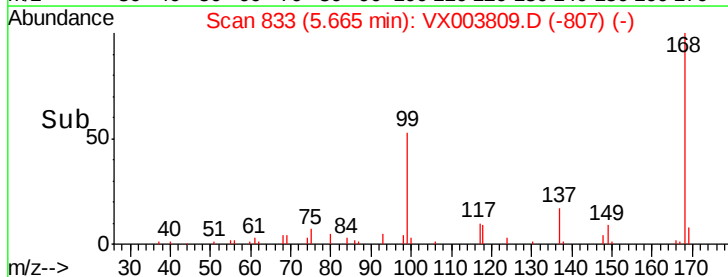
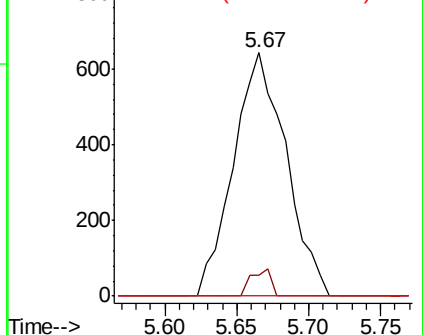
77 0.0 25.1 37.7#

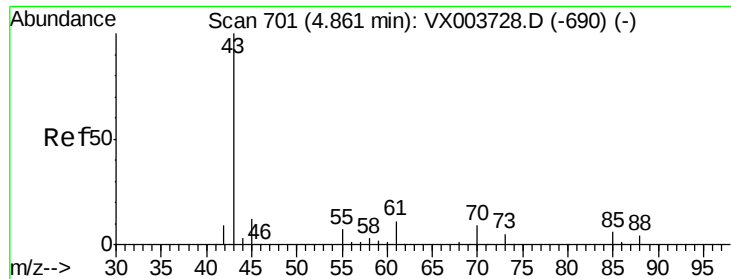


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 1.97 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.14 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

Instrument :

MSVOA_X

ClientSampleId :

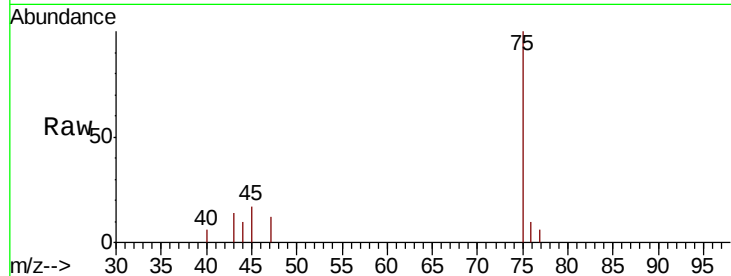
Tot Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

61 8.1 11.4 17.0#

70 0.0 8.2 12.2#



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

250

200

150

100

50

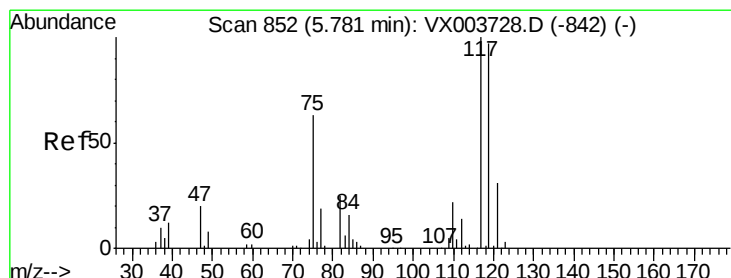
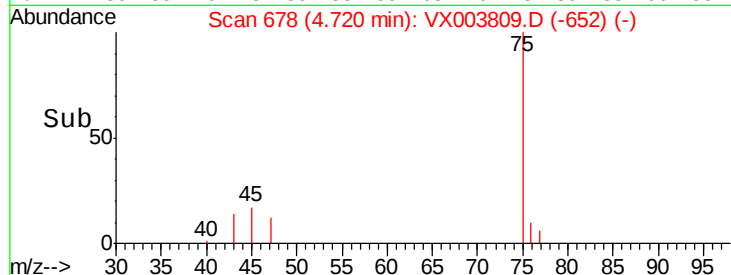
0

4.65

4.70

4.75

Time-->



#38

Carbon Tetrachloride

Concen: 7.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

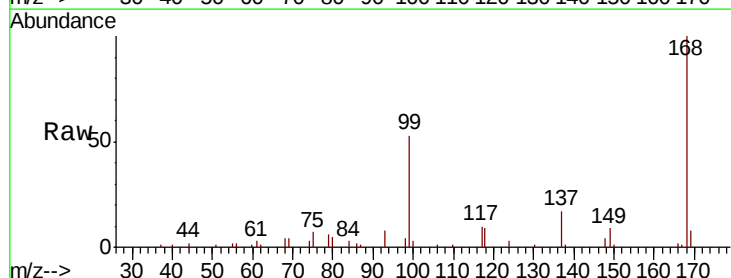
Tgt Ion: 117 Resp: 2301

Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

1200

1000

800

600

400

200

0

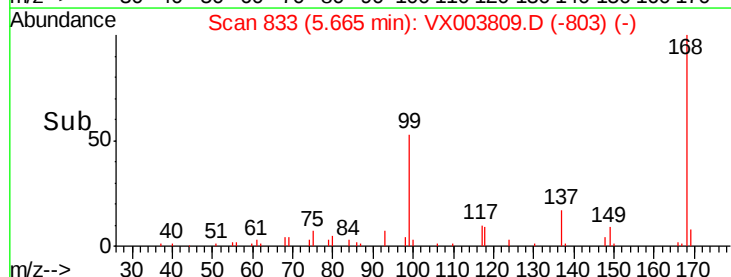
5.60

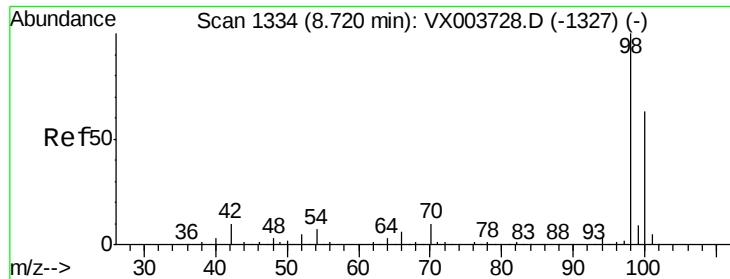
5.65

5.70

5.75

Time-->

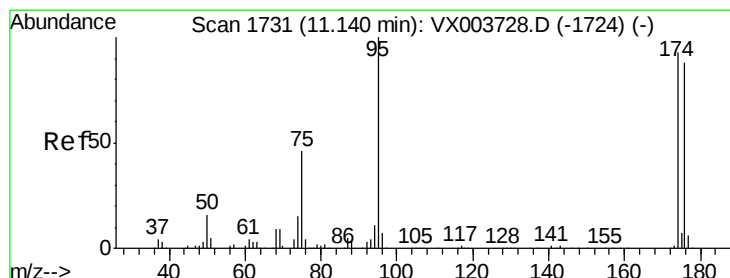
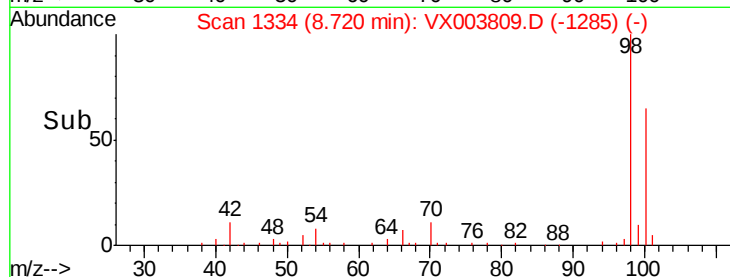
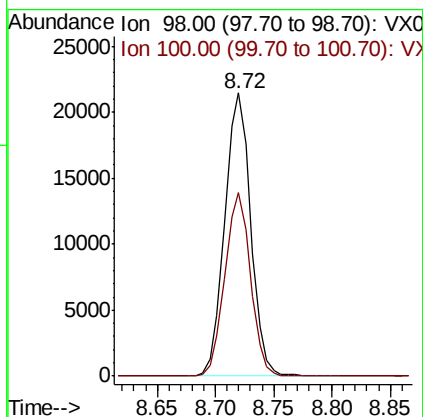
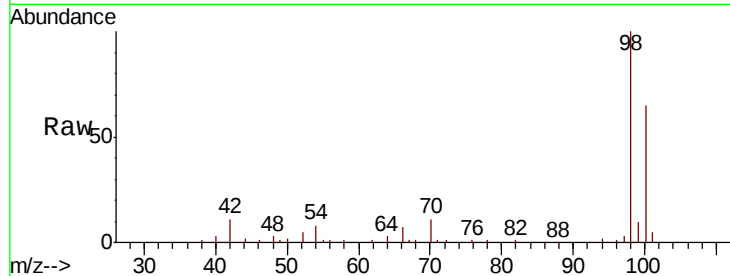




#50
Toluene-d8
Concen: 40.71 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003809.D
Acq: 01 Aug 2018 21:46

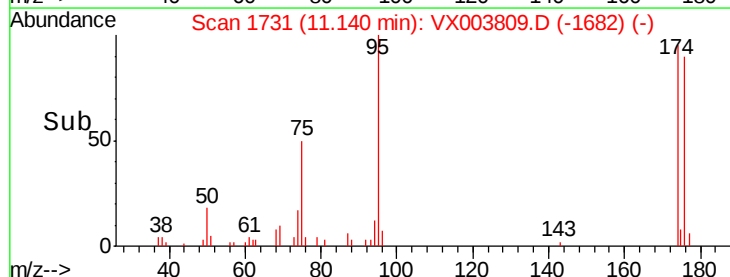
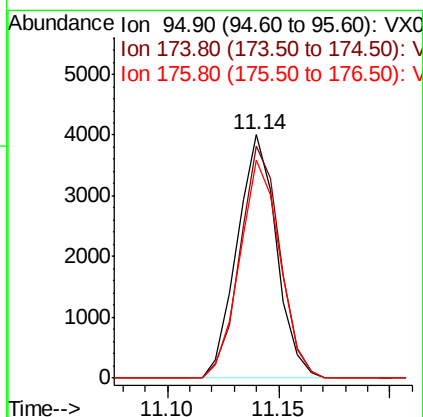
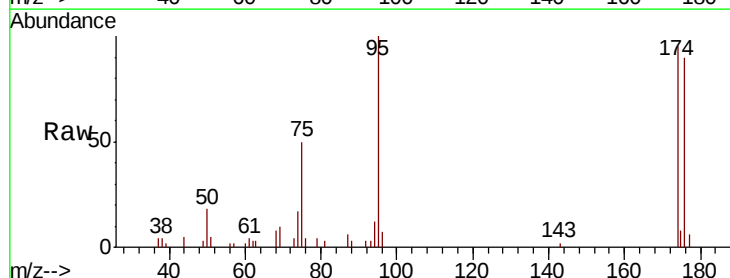
Instrument :
MSVOA_X
ClientSampleId :

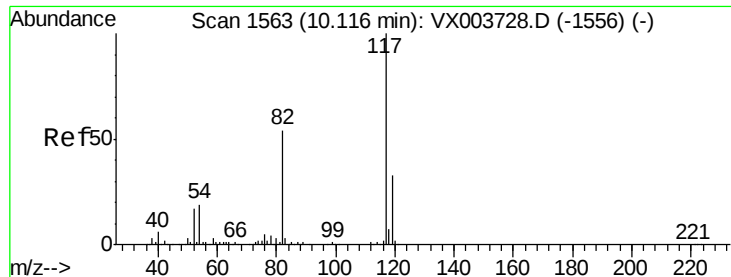
Tot Ion: 98 Resp: 33221
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 16.41 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003809.D
Acq: 01 Aug 2018 21:46

Tgt Ion: 95 Resp: 4936
Ion Ratio Lower Upper
95 100
174 96.4 0.0 186.2
176 91.9 0.0 179.2

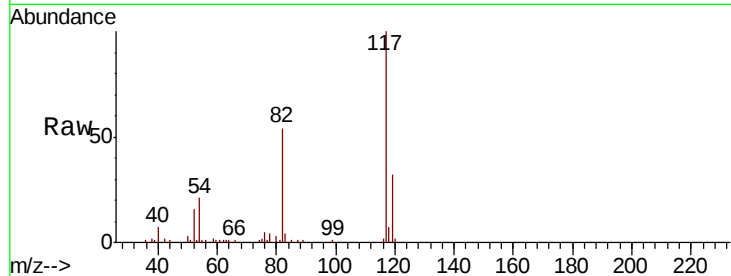




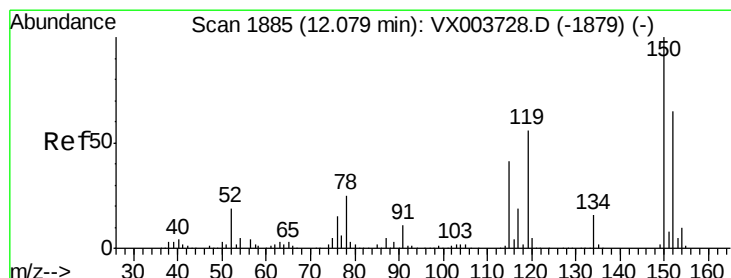
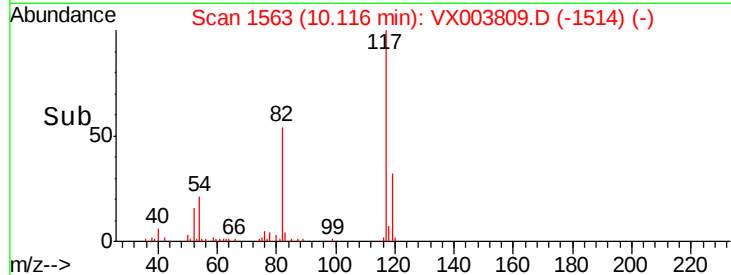
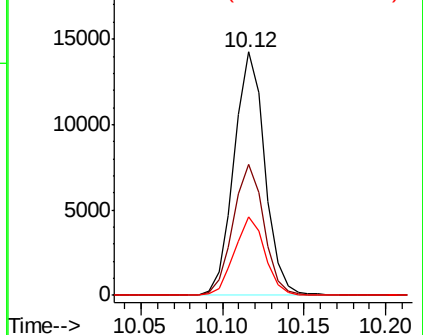
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003809.D
Acq: 01 Aug 2018 21:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18739
Ion Ratio Lower Upper
117 100
82 54.0 43.2 64.8
119 32.3 26.3 39.5

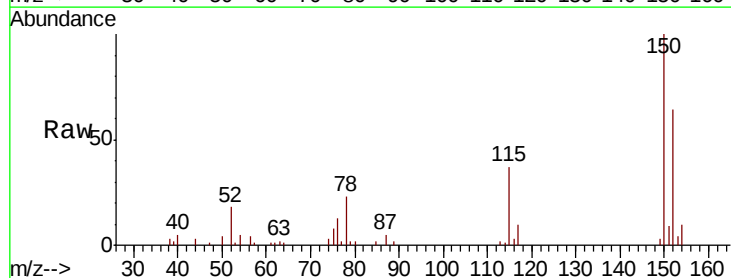


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

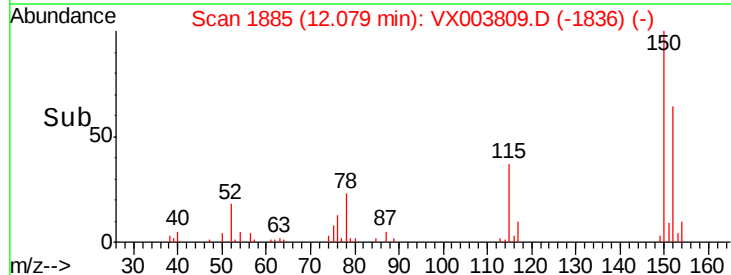
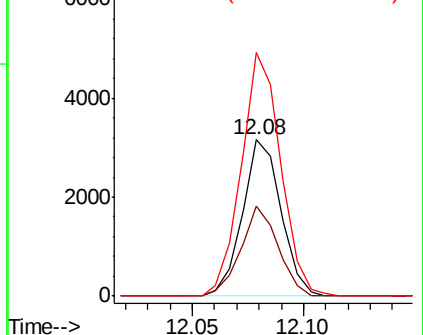


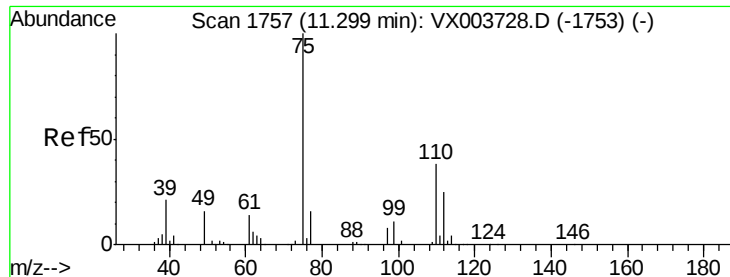
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003809.D
Acq: 01 Aug 2018 21:46

Tgt Ion:152 Resp: 3820
Ion Ratio Lower Upper
152 100
115 55.5 38.5 115.3
150 159.1 0.0 346.2



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





#76

1,2,3-Trichloropropane

Concen: 46.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

Instrument :

MSVOA_X

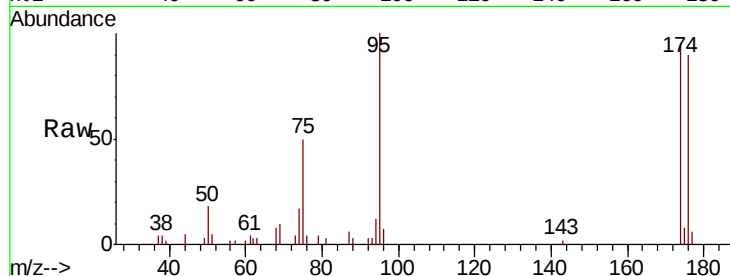
ClientSampled :

Tot Ion: 75 Resp: 2434

Ion Ratio Lower Upper

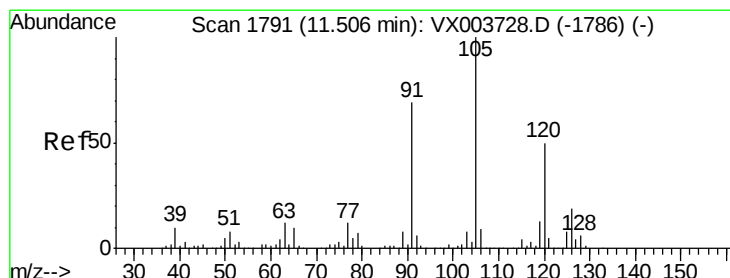
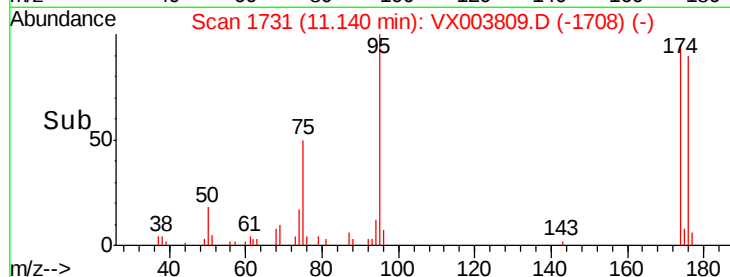
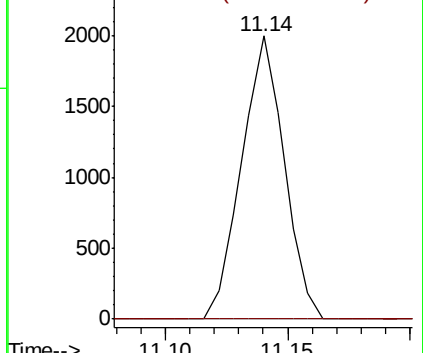
75 100

77 0.0 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 1.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003809.D

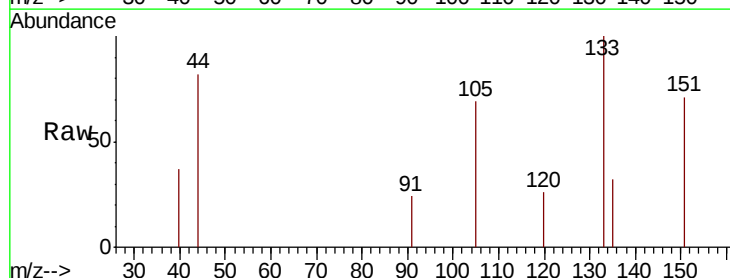
Acq: 01 Aug 2018 21:46

Tgt Ion:105 Resp: 232

Ion Ratio Lower Upper

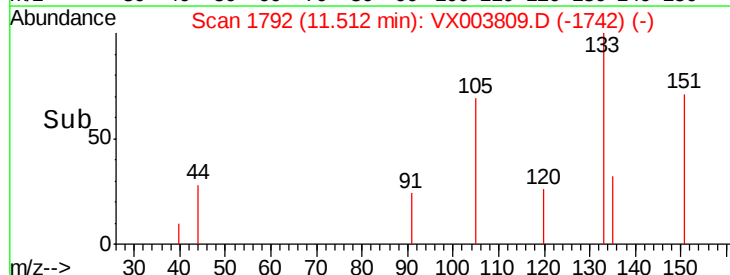
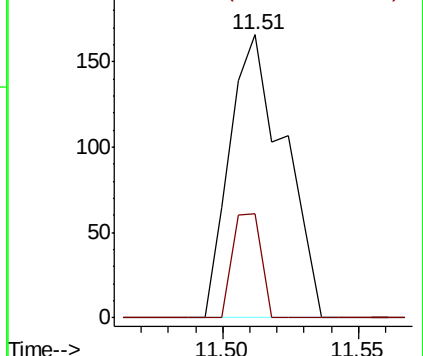
105 100

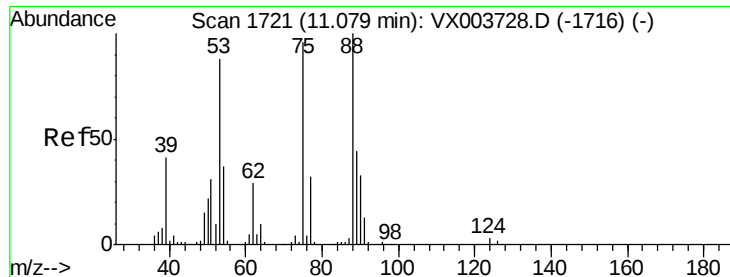
120 19.0 15.8 47.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 136.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

Instrument :

MSVOA_X

ClientSampled :

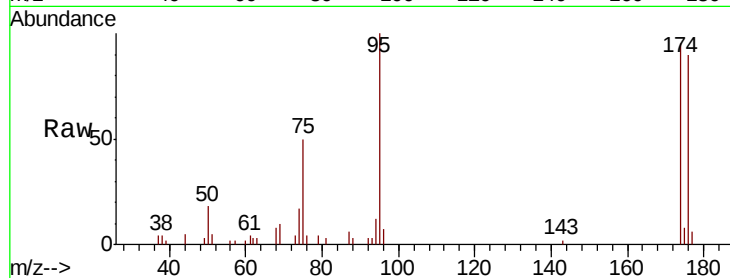
Tot Ion: 75 Resp: 2434

Ion Ratio Lower Upper

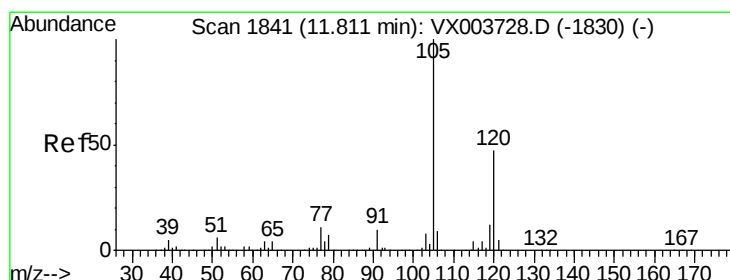
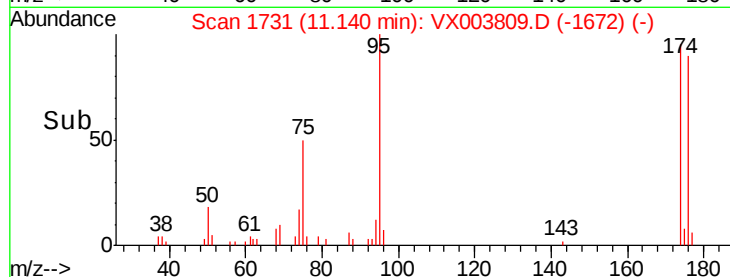
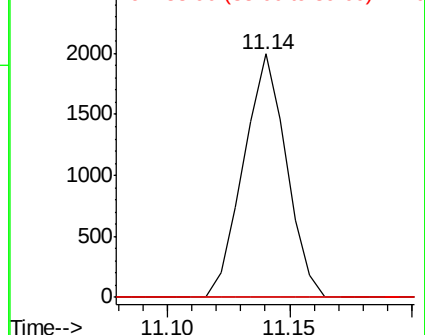
75 100

53 0.0 75.8 113.8#

89 0.0 39.1 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 1.45 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003809.D

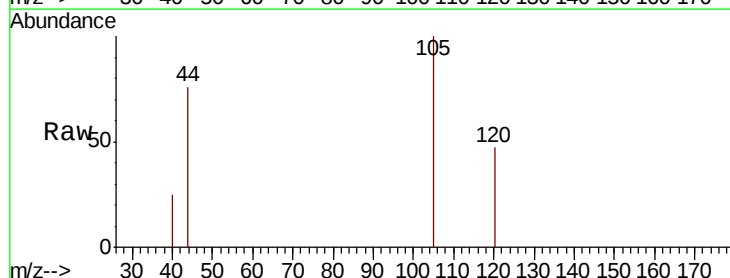
Acq: 01 Aug 2018 21:46

Tgt Ion:105 Resp: 304

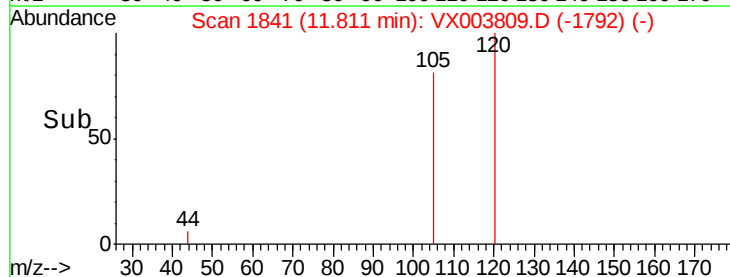
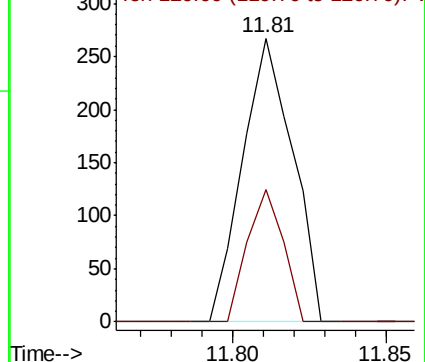
Ion Ratio Lower Upper

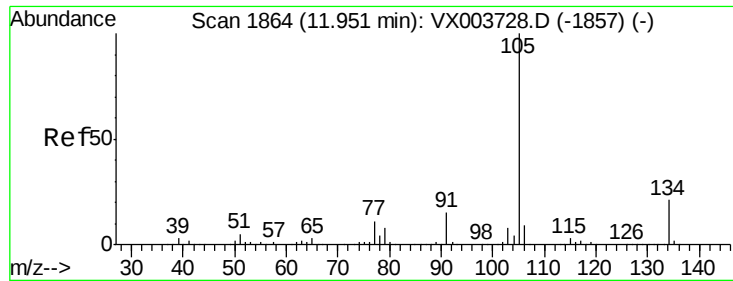
105 100

120 33.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.18 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.14 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

Instrument :

MSVOA_X

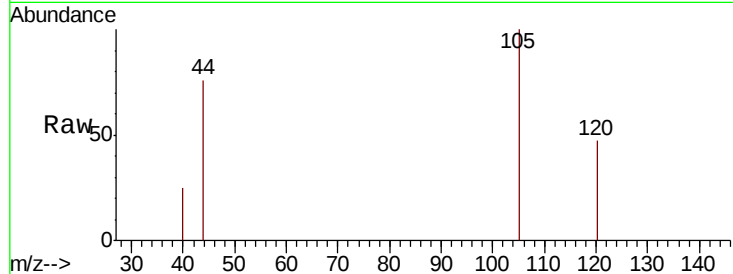
ClientSampled :

Tot Ion:105 Resp: 304

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.81

250

200

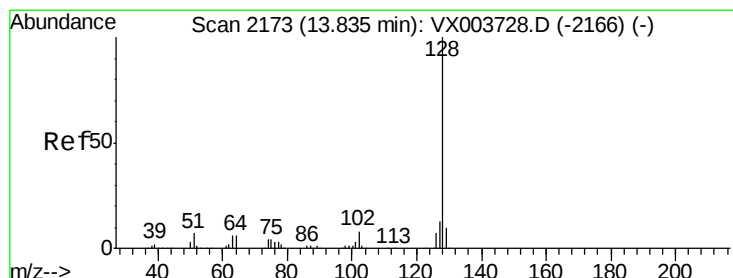
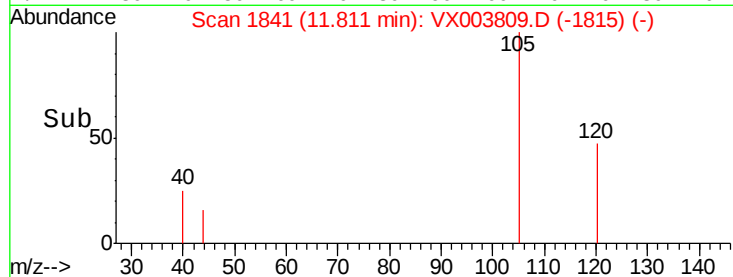
150

100

50

0

Time-->



#95

Naphthalene

Concen: 8.91 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003809.D

Acq: 01 Aug 2018 21:46

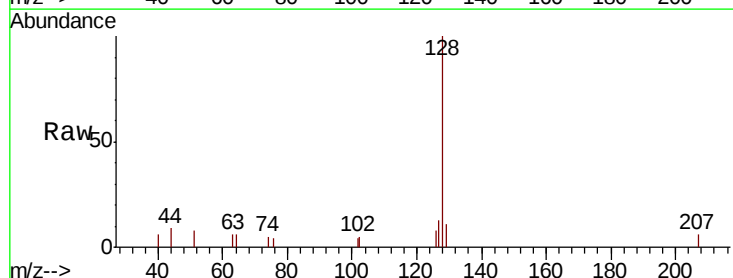
Tgt Ion:128 Resp: 1774

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

129 9.3 8.7 13.1



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

13.83

1500

1000

500

0

Time-->

