

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005923.D
 Acq On : 13 Nov 2018 02:12
 Operator : JC/MD
 Sample : J5918-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Nov 13 04:48:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	103728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	151131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	63482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	66365	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	5.50	113	51248	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	8.72	98	175340	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.14	95	59374	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

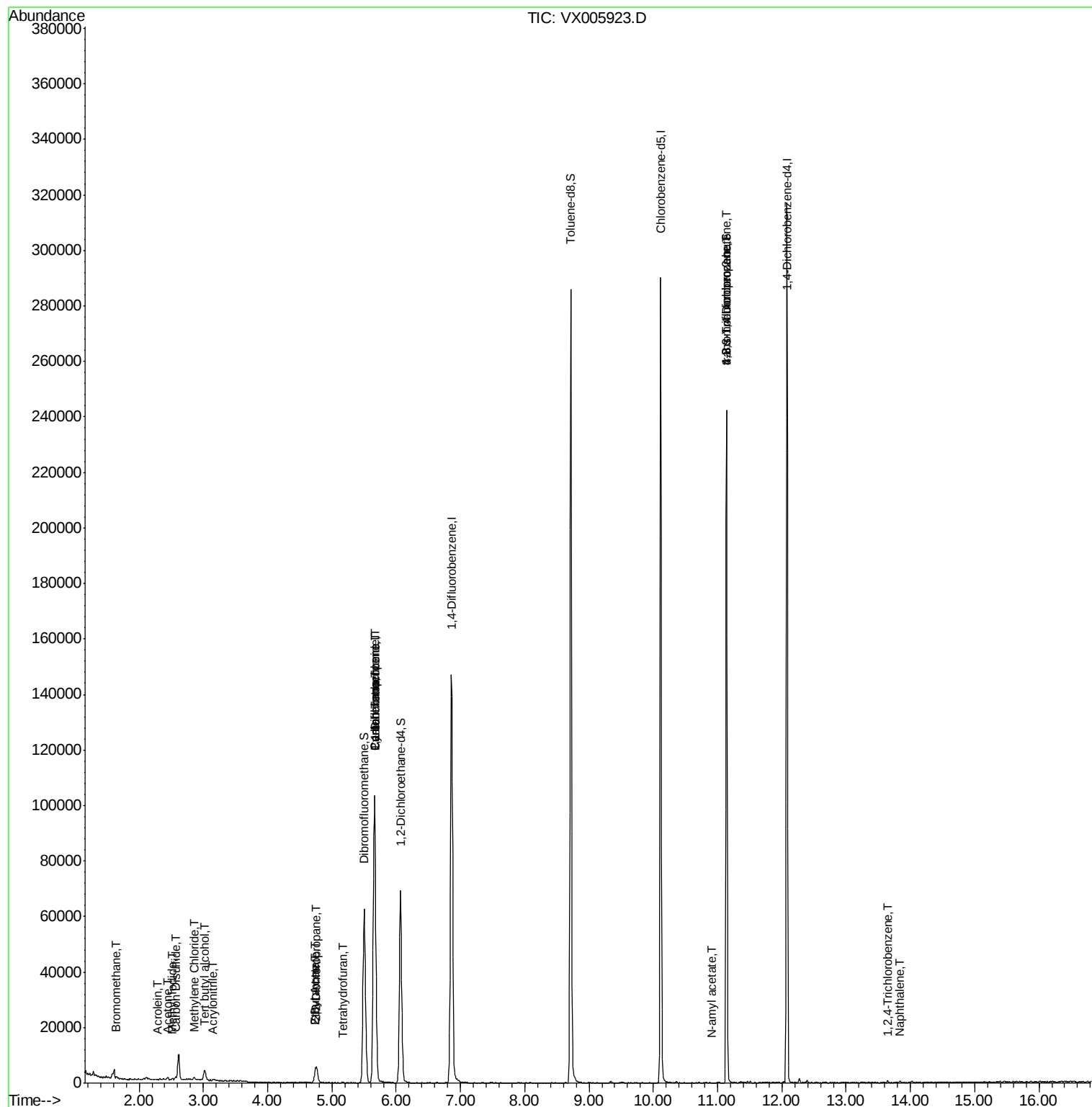
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	321	0.426	ug/l #	68
10) Methyl Iodide	2.52	142	297	0.261	ug/l #	82
11) Tert butyl alcohol	3.02	59	2460	7.201	ug/l #	72
13) Acrolein	2.29	56	42	19.402	ug/l #	74
15) Acrylonitrile	3.15	53	214	0.302	ug/l #	64
16) Acetone	2.45	43	851	1.325	ug/l	97
17) Carbon Disulfide	2.57	76	817	0.299	ug/l #	71
18) Methyl Acetate	2.78	43	440	Below Cal	#	55
20) Methylene Chloride	2.86	84	295	0.280	ug/l #	78
25) 2-Butanone	4.73	43	465	0.461	ug/l #	51
26) 2,2-Dichloropropane	4.76	77	528	0.376	ug/l #	53
29) Tetrahydrofuran	5.17	42	222	0.343	ug/l #	36
31) Cyclohexane	5.66	56	1945	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	7245	4.973	ug/l #	49
37) Ethyl Acetate	4.73	43	465	0.243	ug/l #	52
38) Carbon Tetrachloride	5.66	117	9458	6.484	ug/l #	17
74) N-amyl acetate	10.91	43	19	1.260	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	29755	23.019	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	29755	73.365	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	194	Below Cal		74
93) 1,2,4-Trichlorobenzene	13.65	180	301	0.215	ug/l	95
95) Naphthalene	13.83	128	646	1.316	ug/l #	84

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\
Data File : VX005923.D
Acq On : 13 Nov 2018 02:12
Operator : JC/MD
Sample : J5918-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

Quant Time: Nov 13 04:48:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampled :

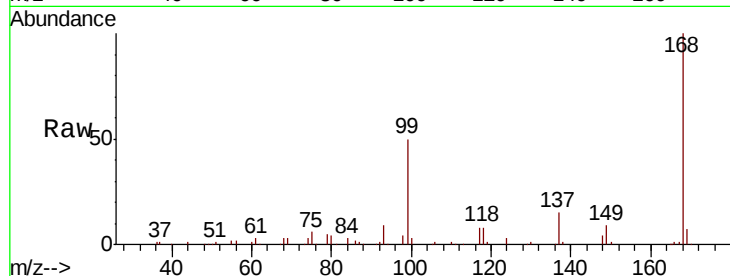
FIELD-BLANK

Tot Ion:168 Resp: 103728

Ion Ratio Lower Upper

168 100

99 50.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

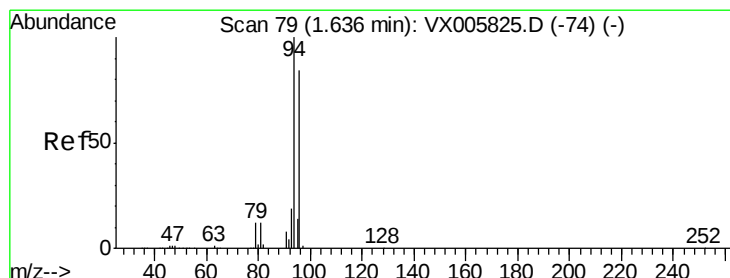
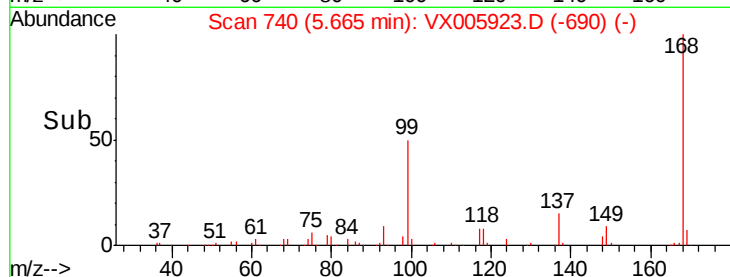
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.426 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005923.D

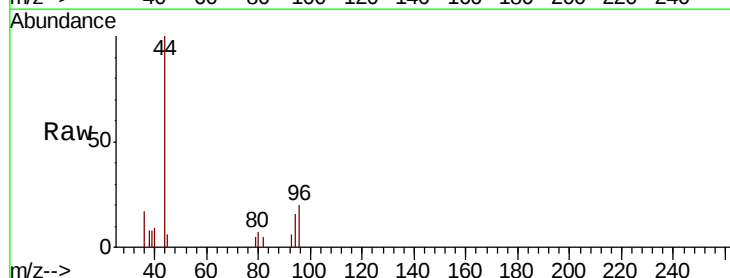
Acq: 13 Nov 2018 02:12

Tgt Ion: 94 Resp: 321

Ion Ratio Lower Upper

94 100

96 124.4 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

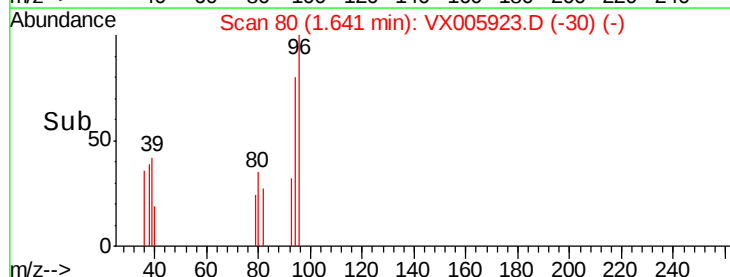
150

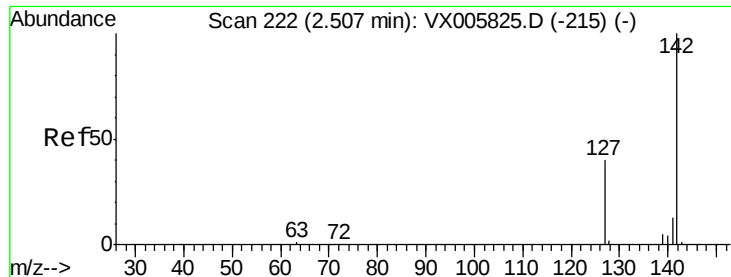
100

50

0

Time--> 1.60 1.65 1.70

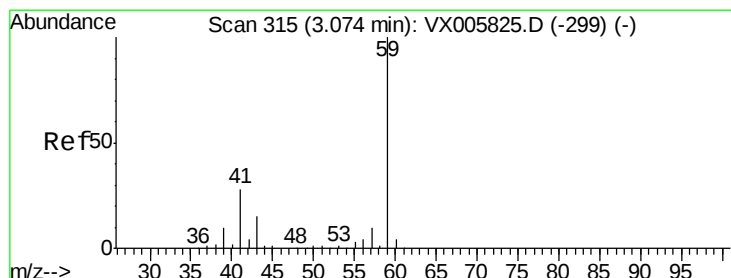
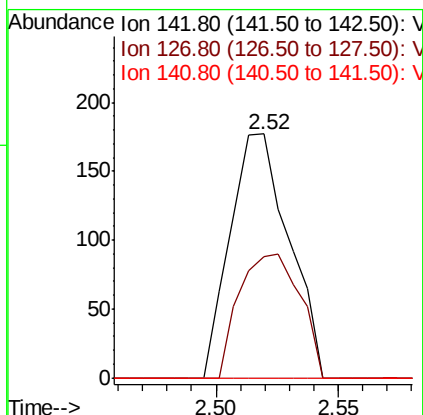
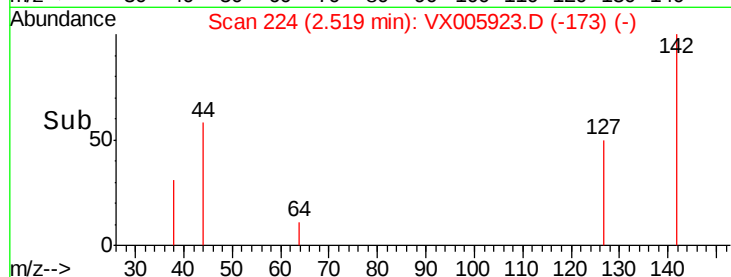
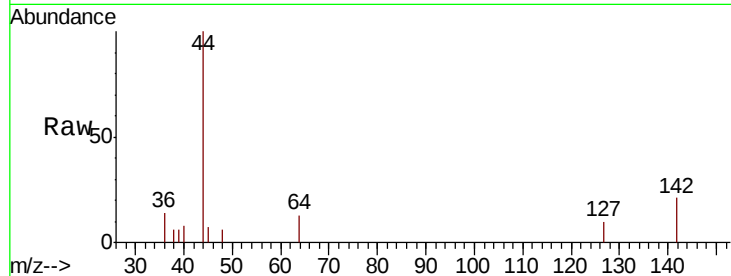




#10
Methvl Iodide
Concen: 0.261 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

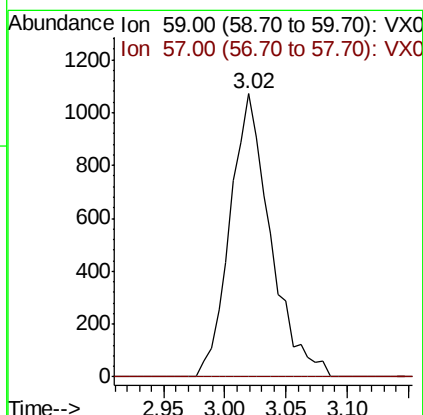
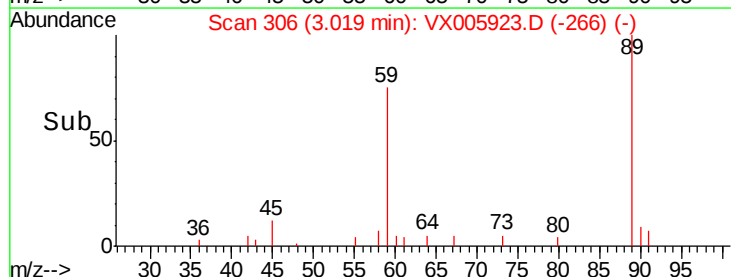
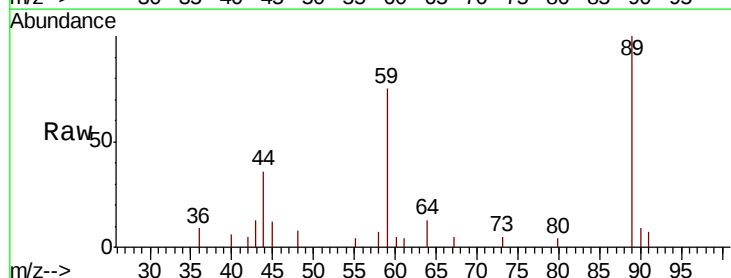
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

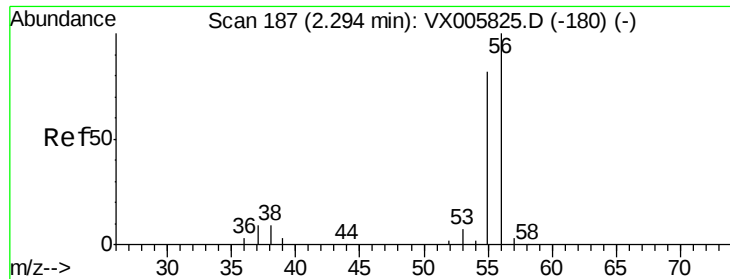
Tot Ion:142 Resp: 297
Ion Ratio Lower Upper
142 100
127 52.9 36.0 54.0
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 7.201 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

Tgt Ion: 59 Resp: 2460
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 19.402 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampled :

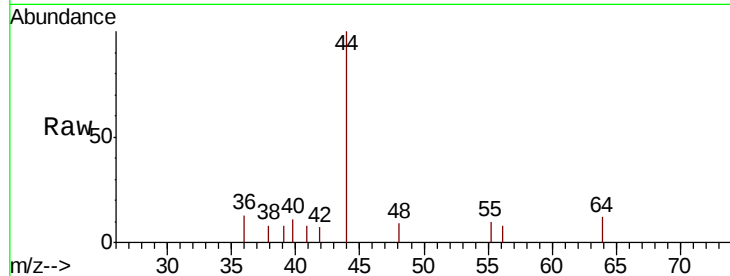
FIELD-BLANK

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

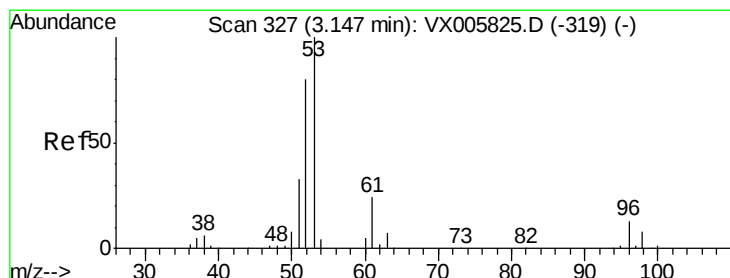
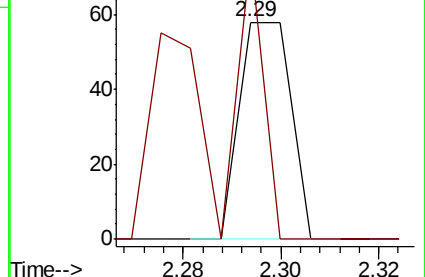
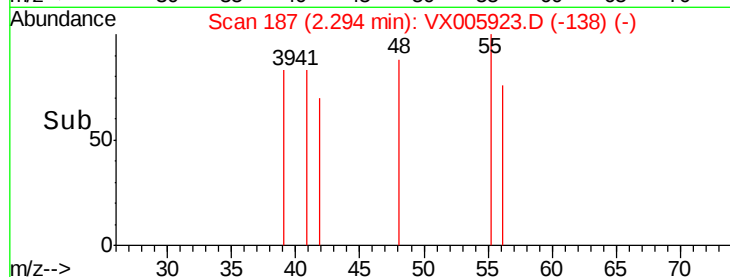
55 92.9 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29



#15

Acrylonitrile

Concen: 0.302 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

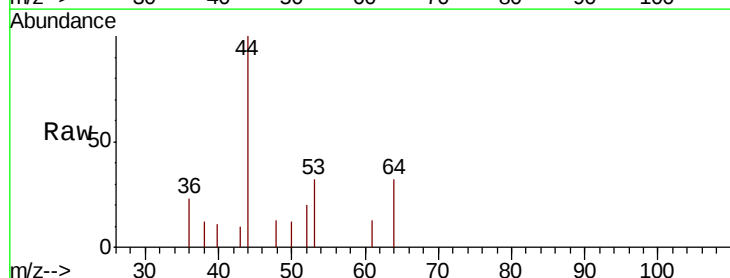
Tgt Ion: 53 Resp: 214

Ion Ratio Lower Upper

53 100

52 54.2 66.6 99.8#

51 8.9 28.4 42.6#

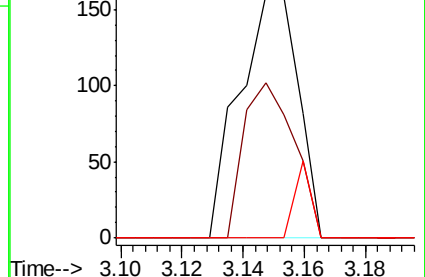
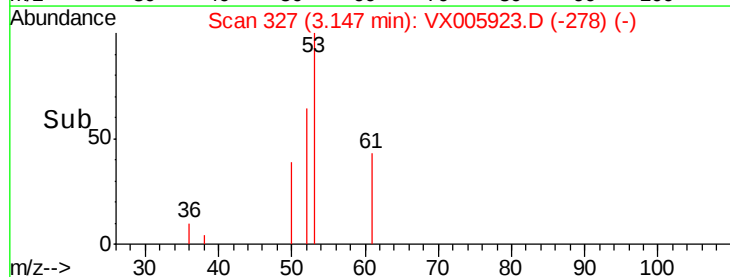


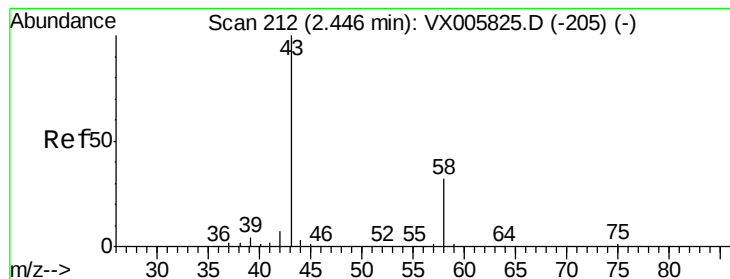
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.15





#16

Acetone

Concen: 1.325 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampleId :

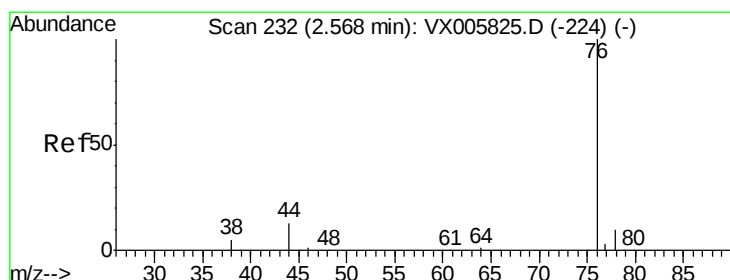
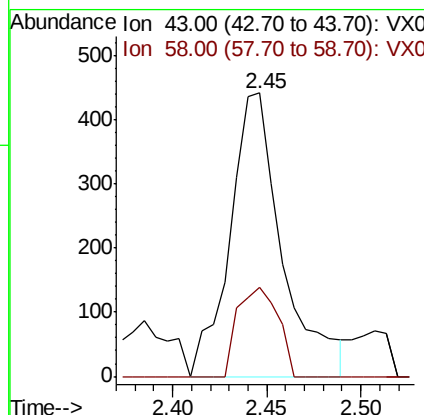
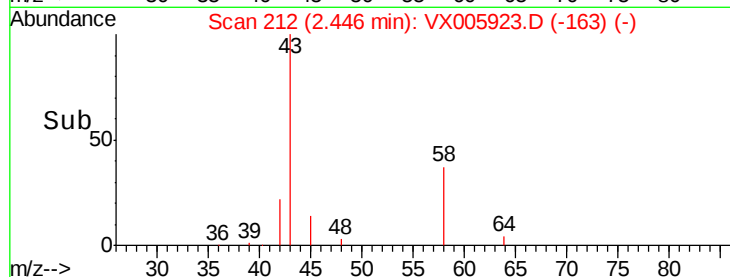
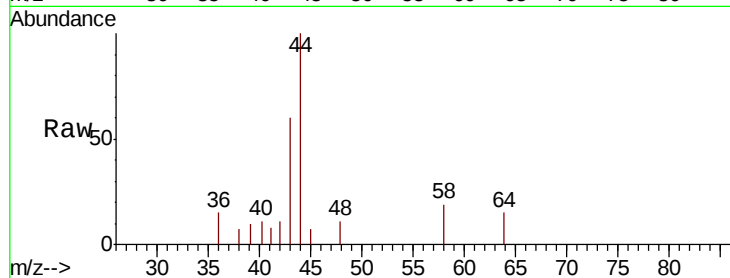
FIELD-BLANK

Tot Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

58 31.2 23.8 35.6



#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005923.D

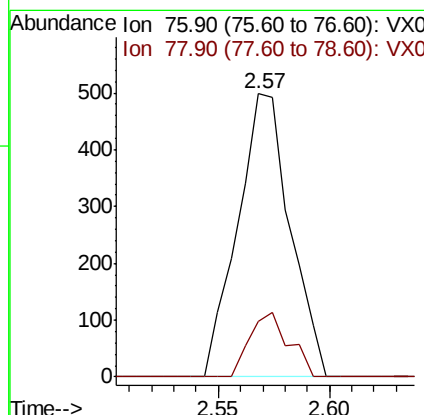
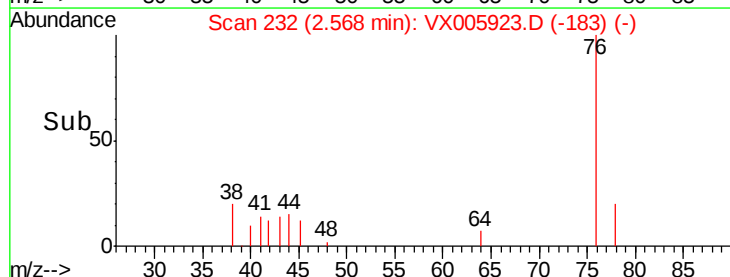
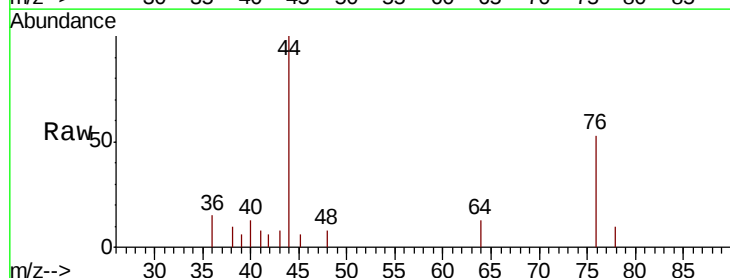
Acq: 13 Nov 2018 02:12

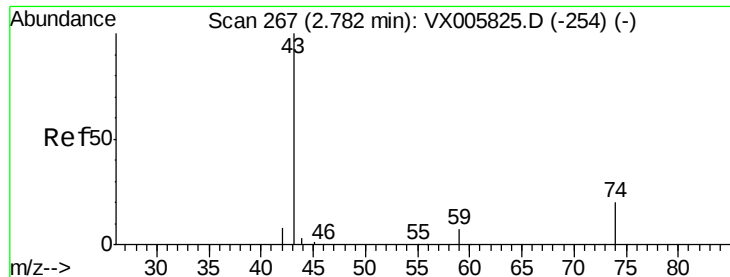
Tgt Ion: 76 Resp: 817

Ion Ratio Lower Upper

76 100

78 19.7 7.3 10.9#

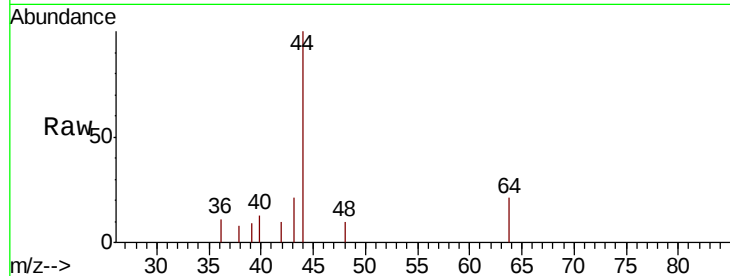




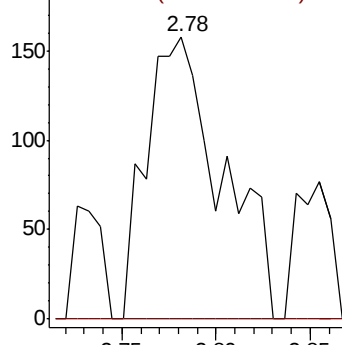
#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

Instrument :
MSVOA_X
ClientSampled :
FIELD-BLANK

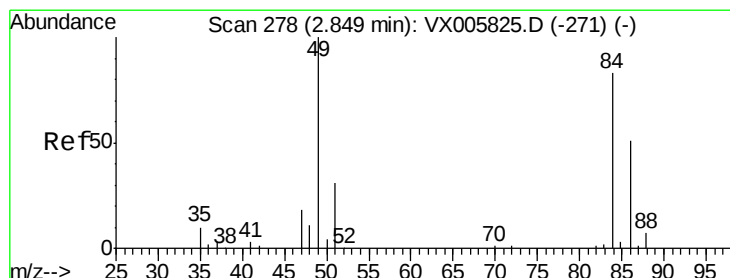
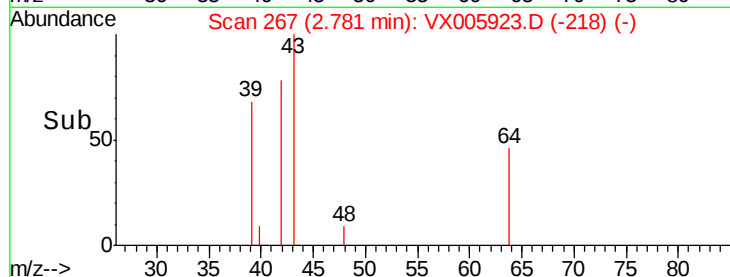
Tot Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0

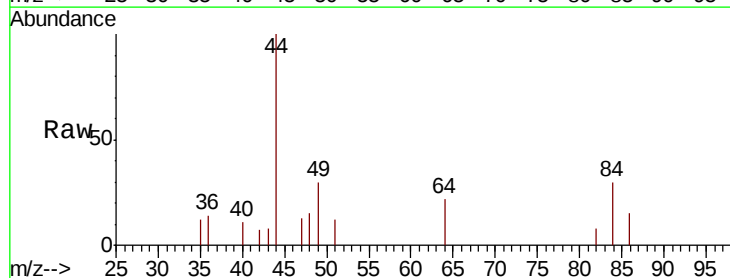


Time-->

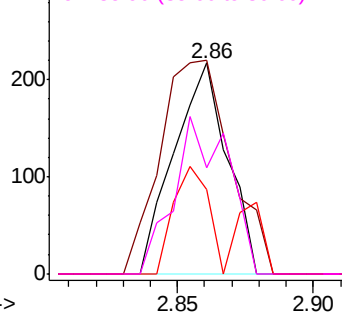


#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

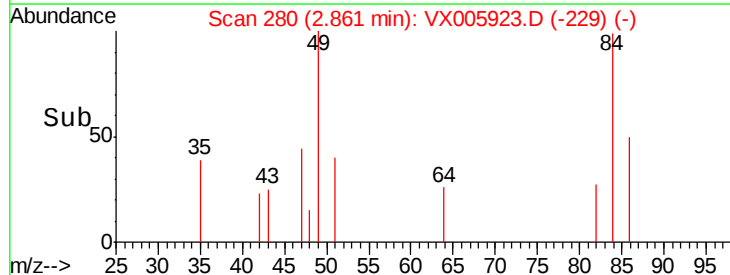
Tgt Ion: 84 Resp: 295
Ion Ratio Lower Upper
84 100
49 101.4 109.5 164.3#
51 40.1 33.3 49.9
86 50.2 52.7 79.1#

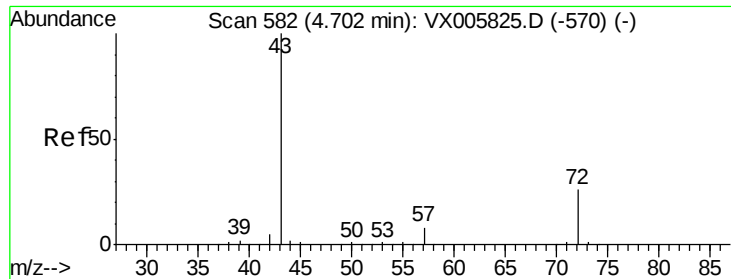


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0



Time-->





#25

2-Butanone

Concen: 0.461 ug/l

RT: 4.73 min Scan# 587

Delta R.T. 0.03 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampled :

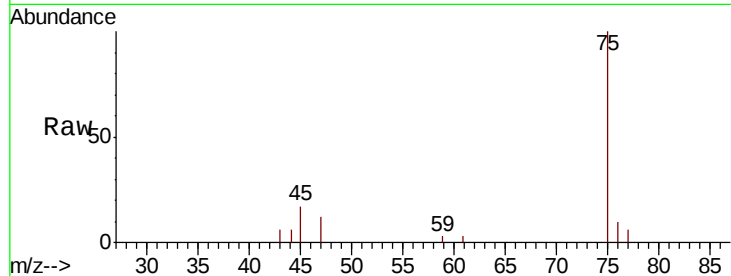
FIELD-BLANK

Tot Ion: 43 Resp: 465

Ion Ratio Lower Upper

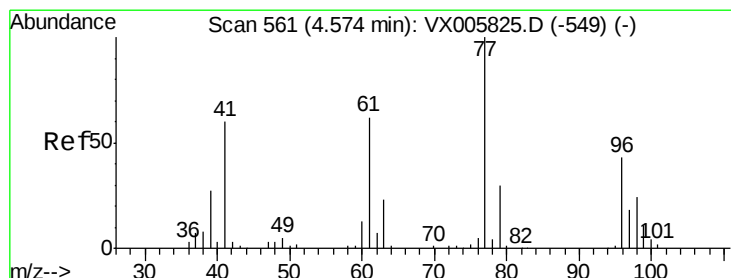
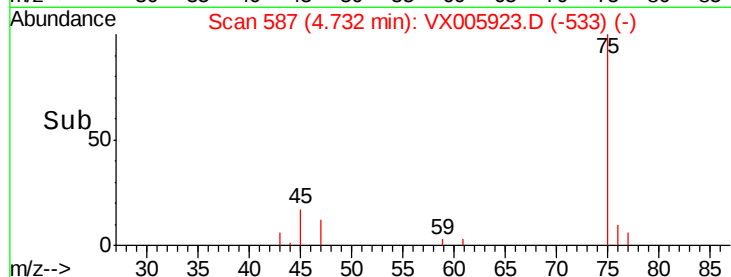
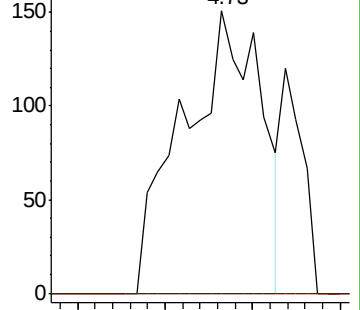
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.376 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.19 min

Lab File: VX005923.D

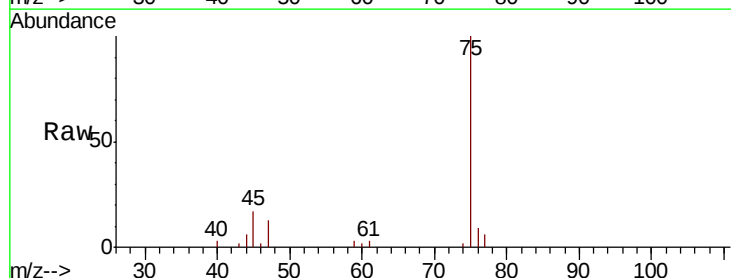
Acq: 13 Nov 2018 02:12

Tgt Ion: 77 Resp: 528

Ion Ratio Lower Upper

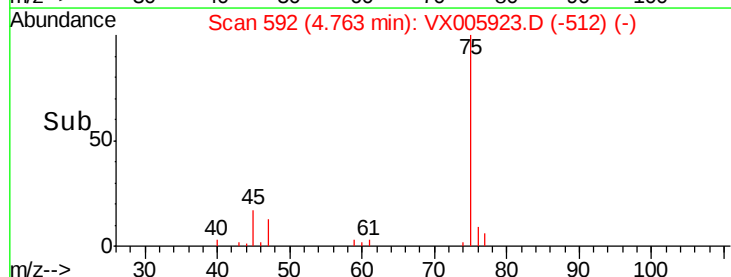
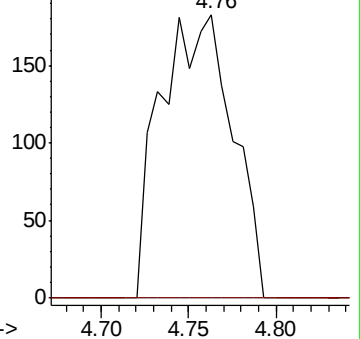
77 100

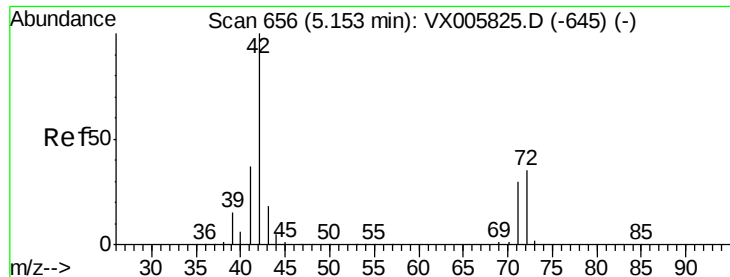
97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

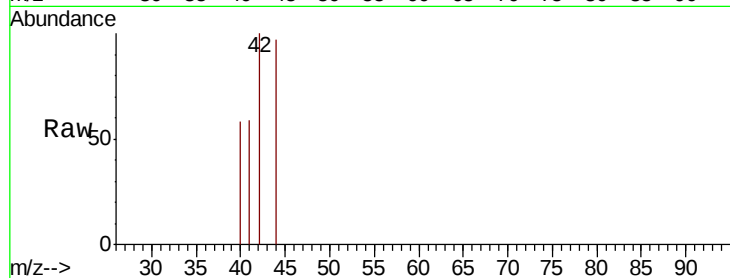
Tot Ion: 42 Resp: 222

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

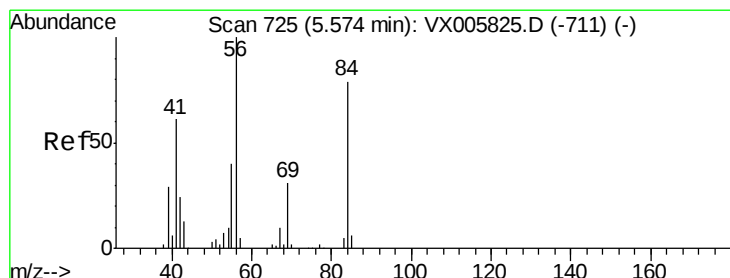
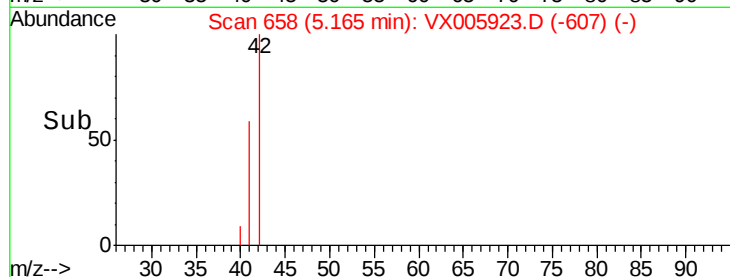
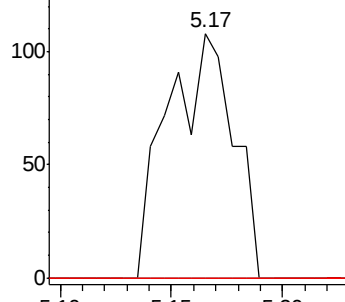
71 0.0 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

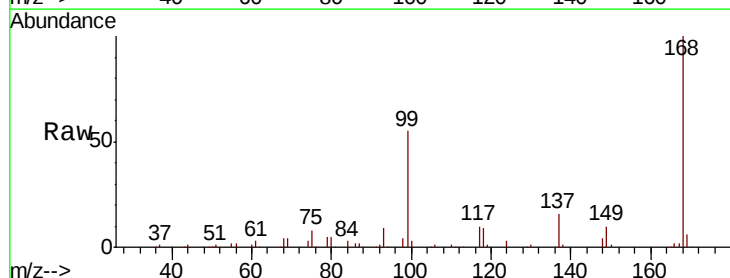
Tgt Ion: 56 Resp: 1945

Ion Ratio Lower Upper

56 100

69 196.5 22.6 34.0#

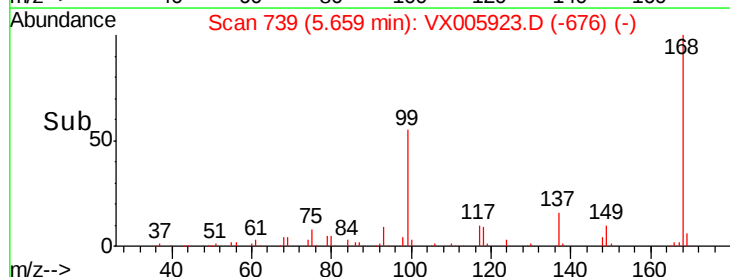
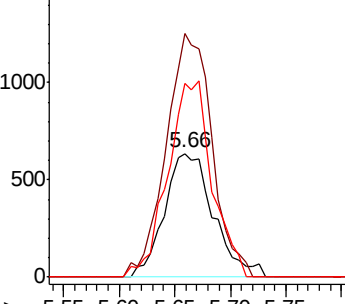
84 156.4 62.7 94.1#

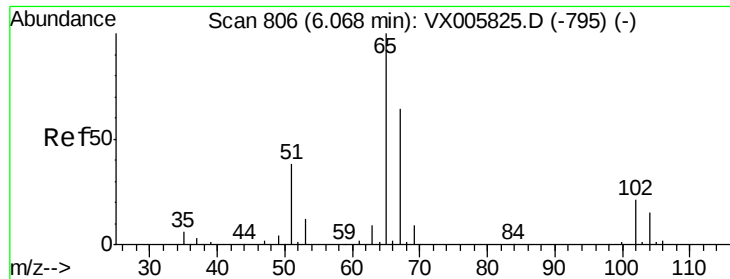


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

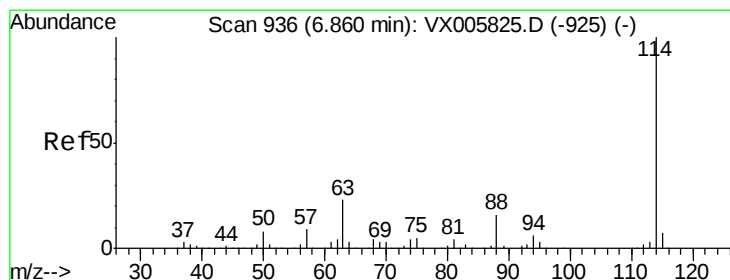
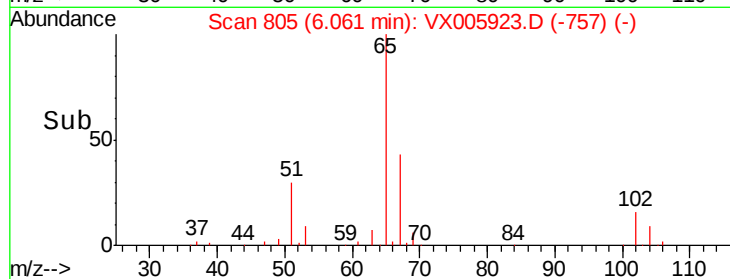
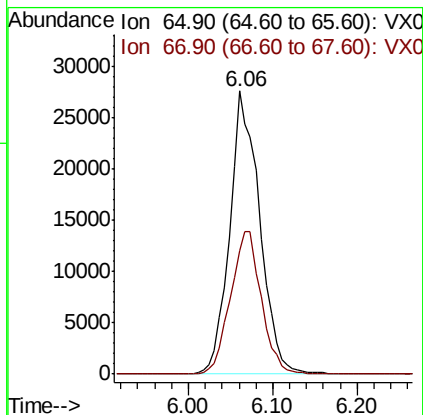
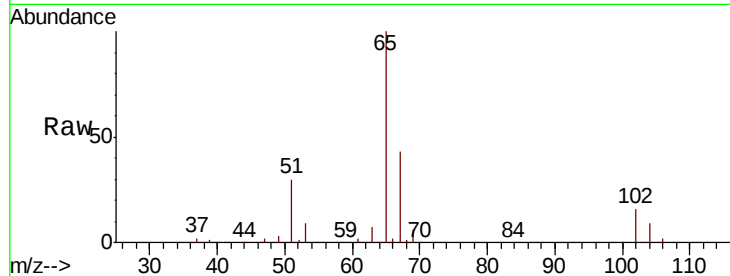




#33
 1,2-Dichloroethane-d4
 Concen: 55.653 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005923.D
 Acq: 13 Nov 2018 02:12

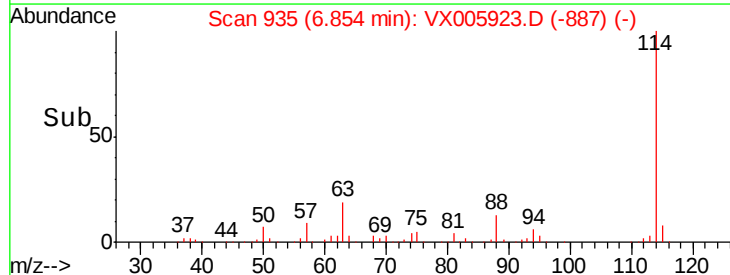
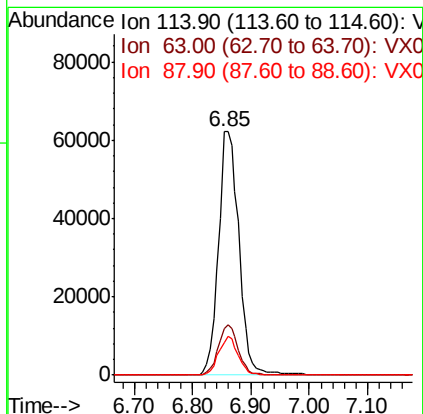
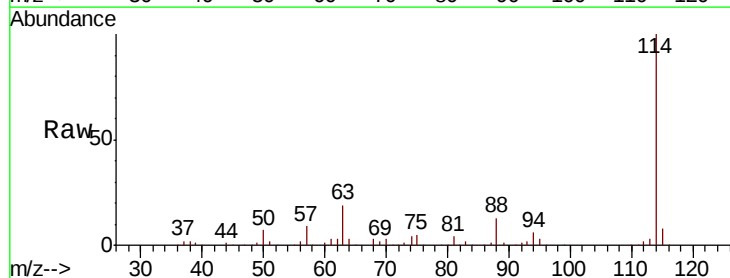
Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

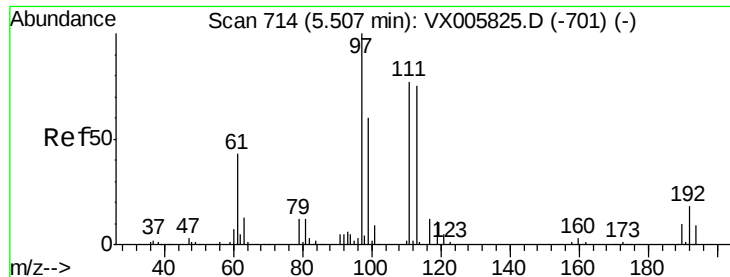
Tot Ion: 65 Resp: 66365
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005923.D
 Acq: 13 Nov 2018 02:12

Tgt Ion: 114 Resp: 151131
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.8
 88 13.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.856 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

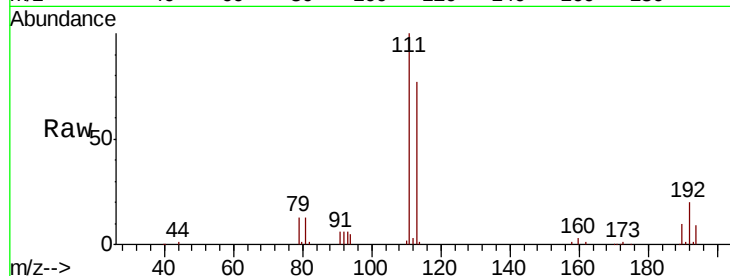
Tot Ion:113 Resp: 51248

Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

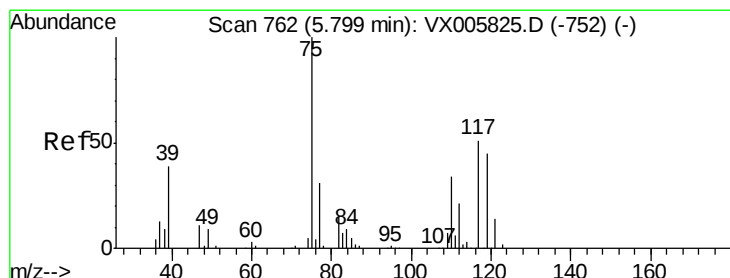
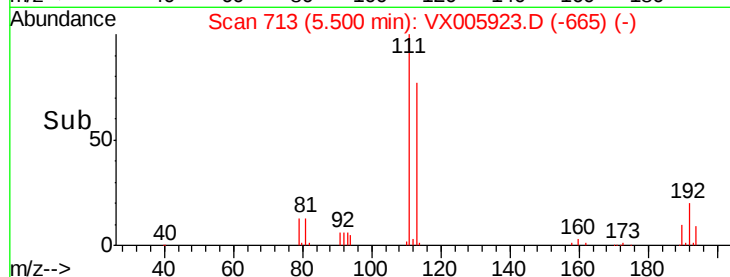
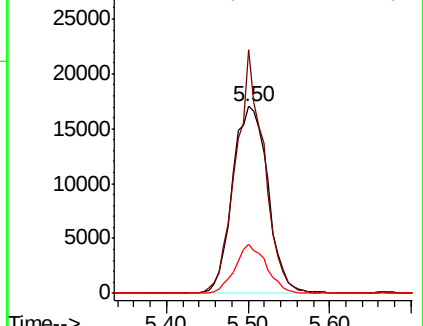
192 23.2 17.9 26.9



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: 4.973 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

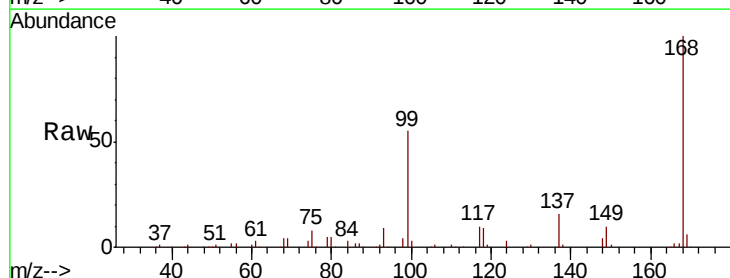
Tgt Ion: 75 Resp: 7245

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.2#

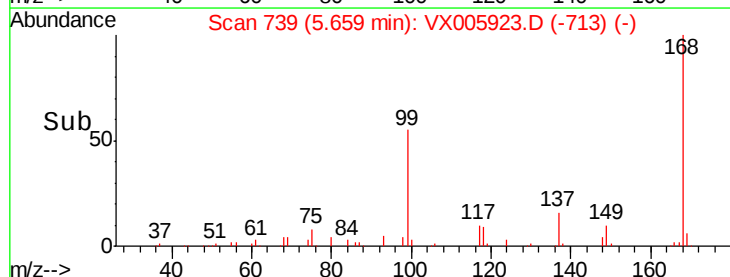
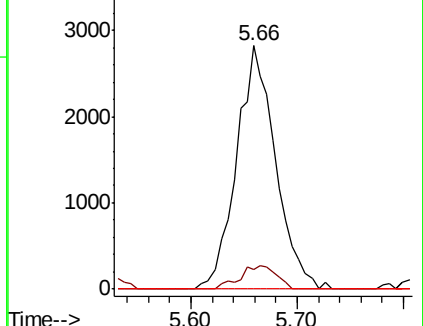
77 0.0 25.8 38.6#

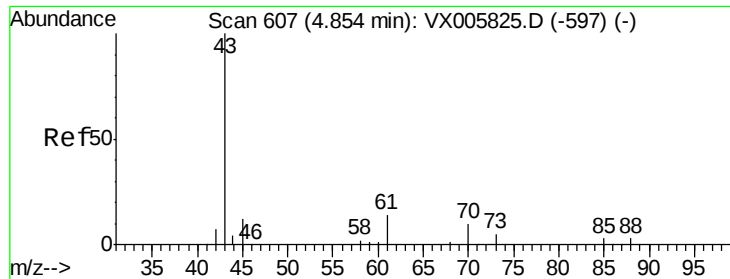


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

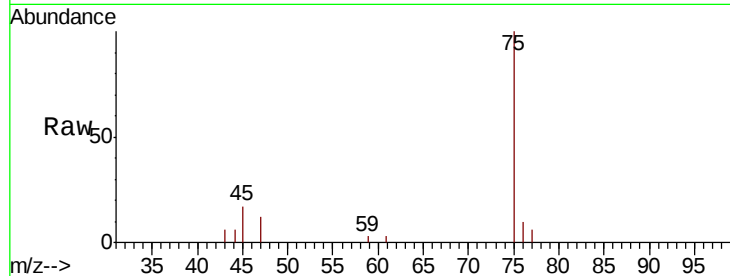




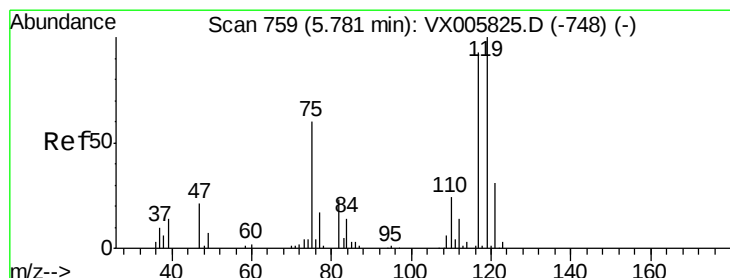
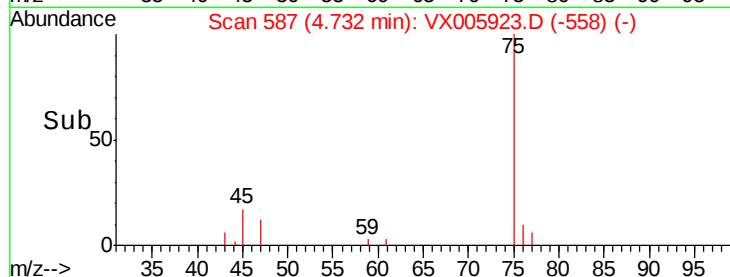
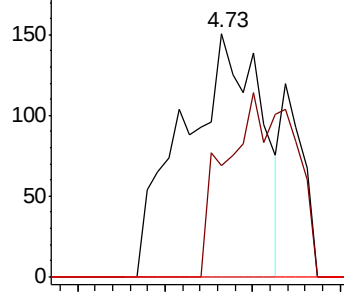
#37
Ethyl Acetate
Concen: 0.243 ug/l
RT: 4.73 min Scan# 587
Delta R.T. -0.12 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

Tot Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
61 39.4 10.8 16.2#
70 0.0 7.8 11.8#

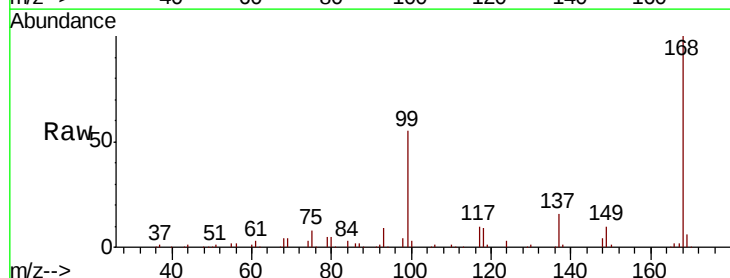


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

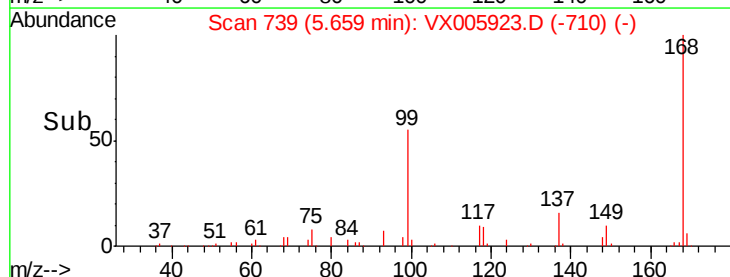
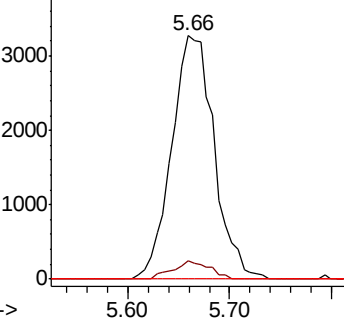


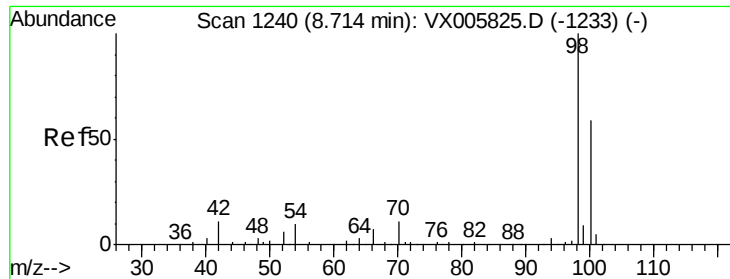
#38
Carbon Tetrachloride
Concen: 6.484 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

Tgt Ion: 117 Resp: 9458
Ion Ratio Lower Upper
117 100
119 7.3 78.1 117.1#
121 0.0 24.6 36.8#



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





#50

Toluene-d8

Concen: 51.308 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampleId :

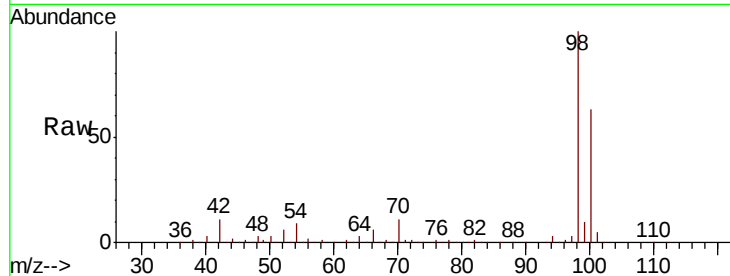
FIELD-BLANK

Tot Ion: 98 Resp: 175340

Ion Ratio Lower Upper

98 100

100 63.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

120000

100000

80000

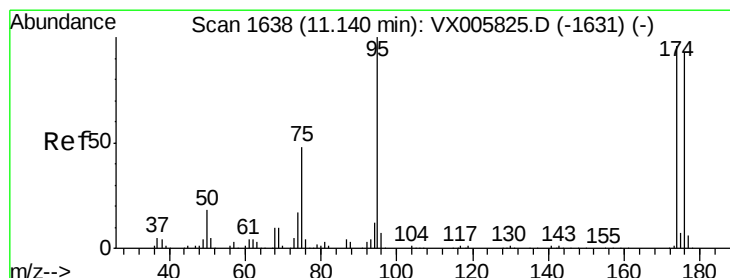
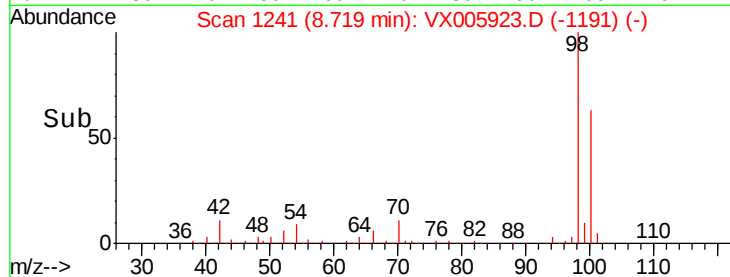
60000

40000

20000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 48.323 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

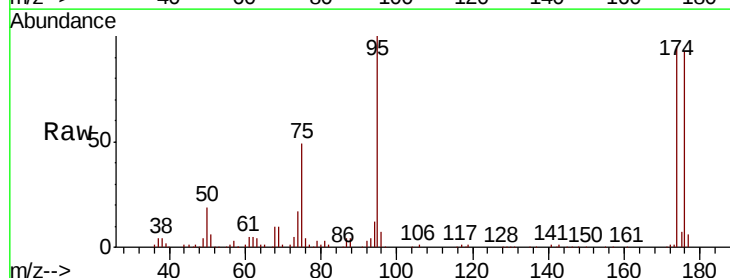
Tgt Ion: 95 Resp: 59374

Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.4

176 88.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

60000

50000

40000

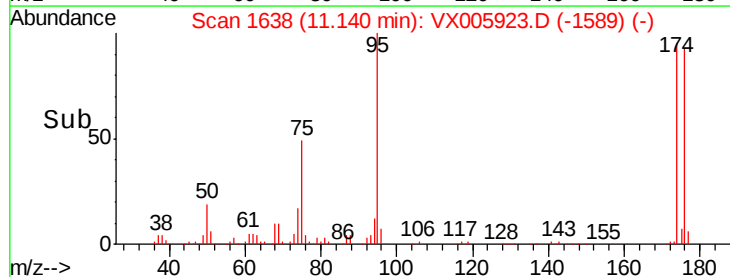
30000

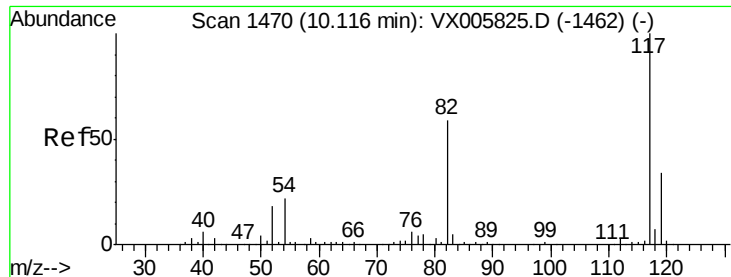
20000

10000

0

Time--> 11.10 11.20

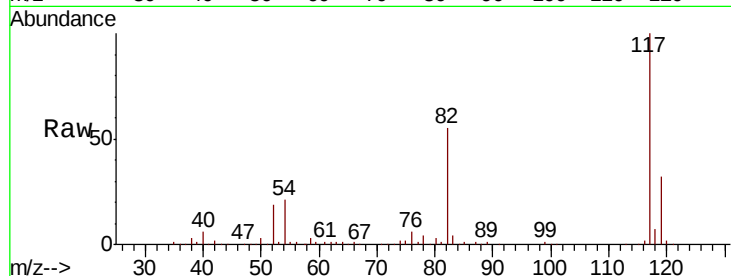




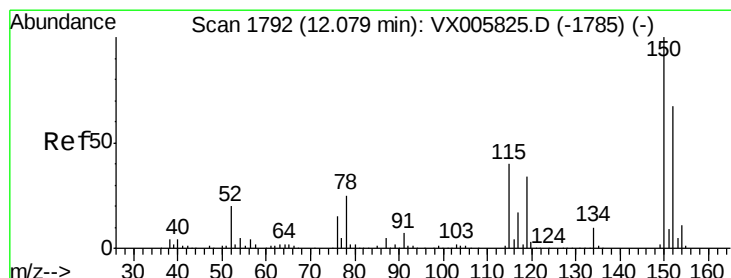
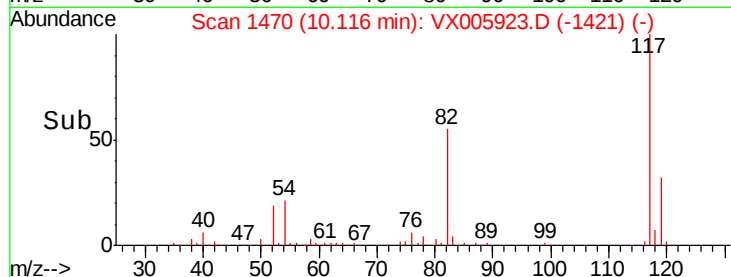
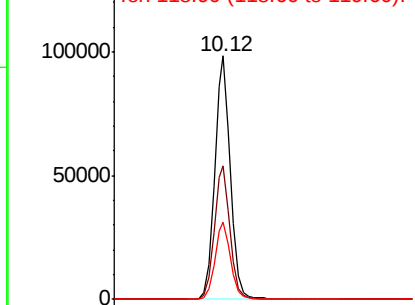
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

Instrument :
MSVOA_X
ClientSampled :
FIELD-BLANK

Tot Ion:117 Resp: 133327
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 31.8 26.2 39.2

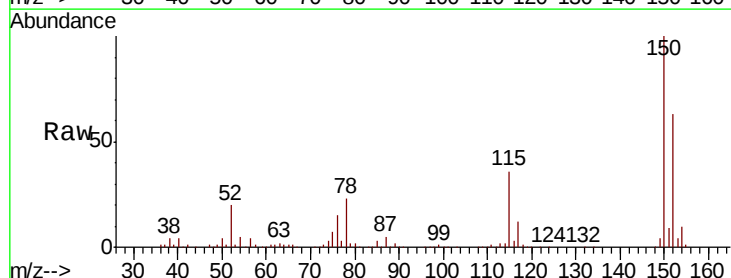


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

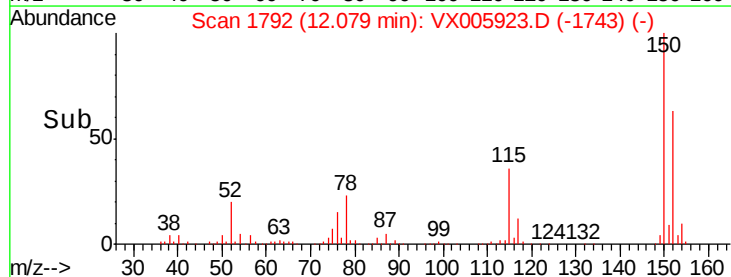
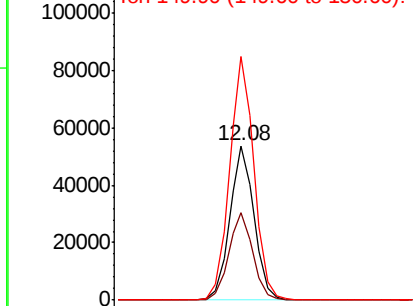


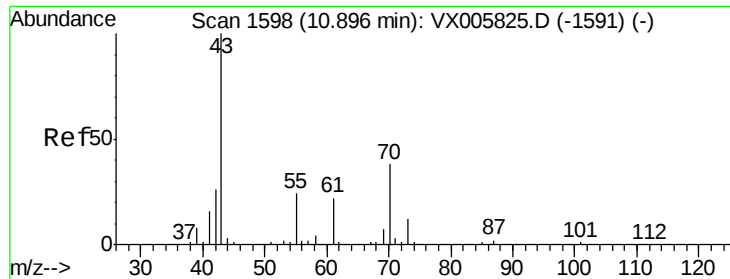
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005923.D
Acq: 13 Nov 2018 02:12

Tgt Ion:152 Resp: 63482
Ion Ratio Lower Upper
152 100
115 56.4 39.4 118.1
150 158.4 0.0 346.4



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





#74

N-amvl acetate

Concen: 1.260 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tot Ion: 43 Resp: 19

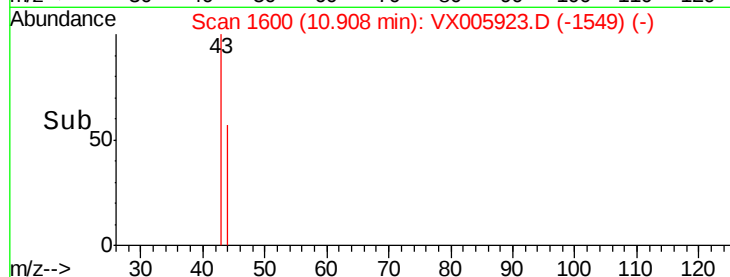
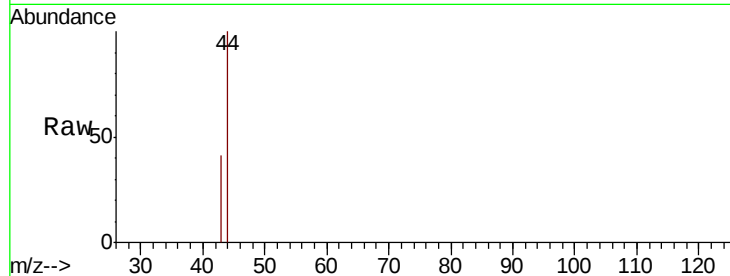
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

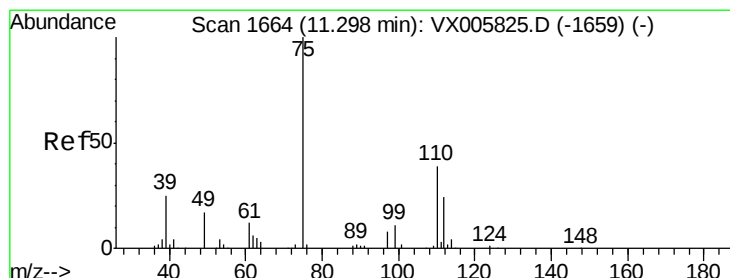
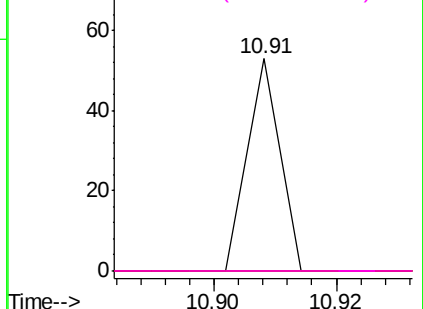


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.019 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005923.D

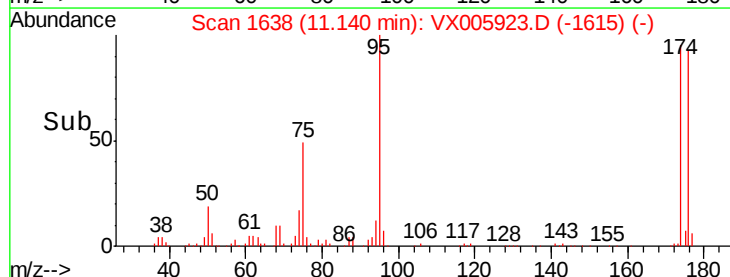
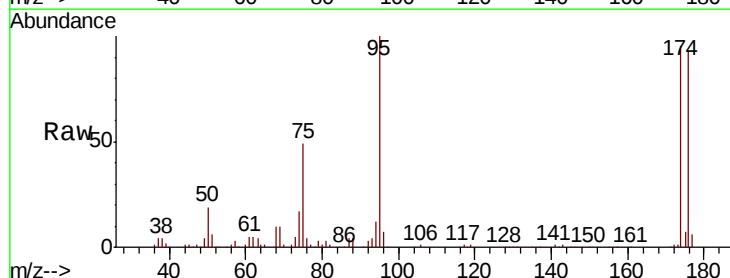
Acq: 13 Nov 2018 02:12

Tgt Ion: 75 Resp: 29755

Ion Ratio Lower Upper

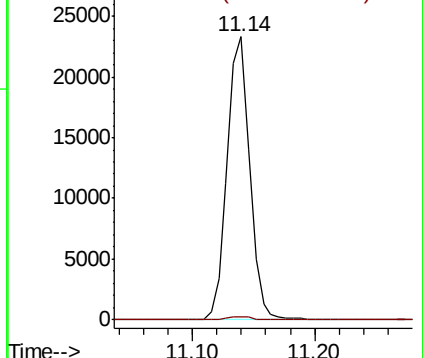
75 100

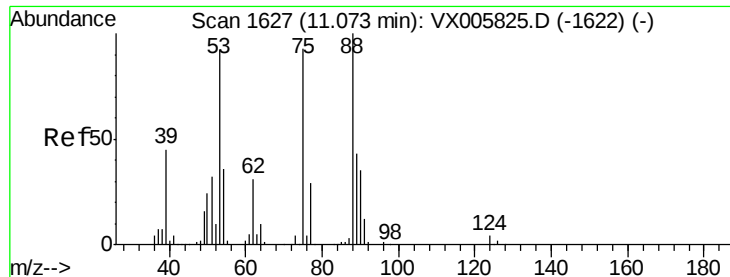
77 1.1 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.365 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

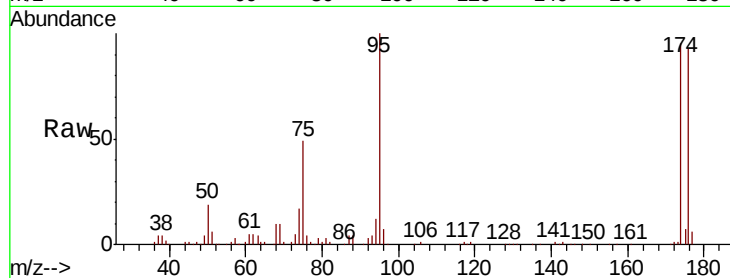
Tot Ion: 75 Resp: 29755

Ion Ratio Lower Upper

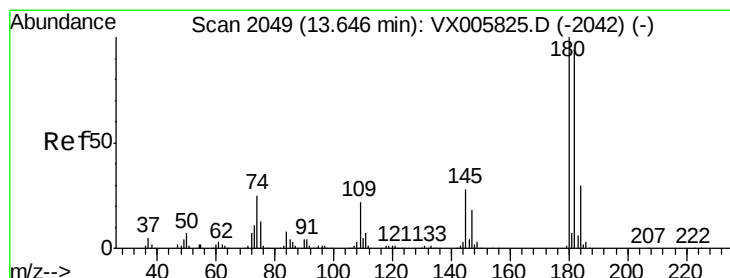
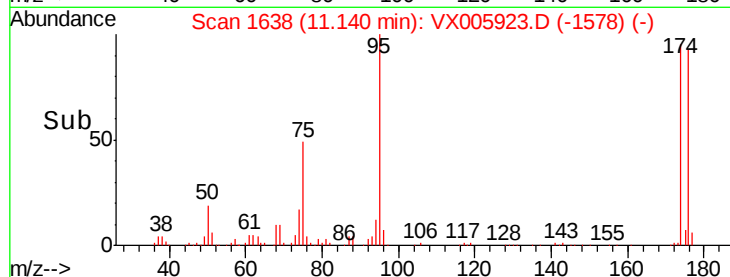
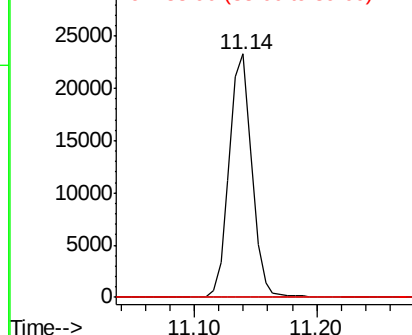
75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.215 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

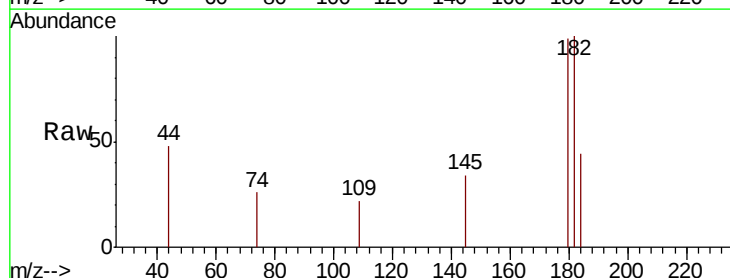
Tgt Ion:180 Resp: 301

Ion Ratio Lower Upper

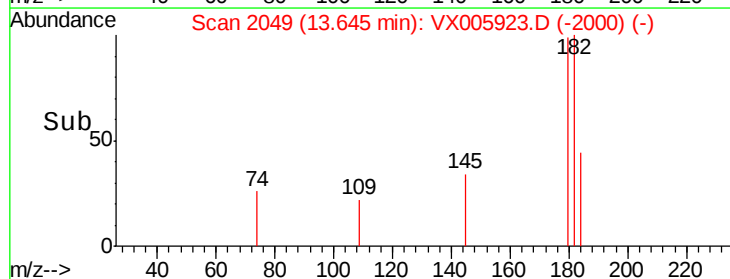
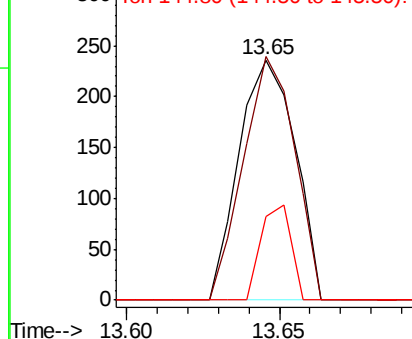
180 100

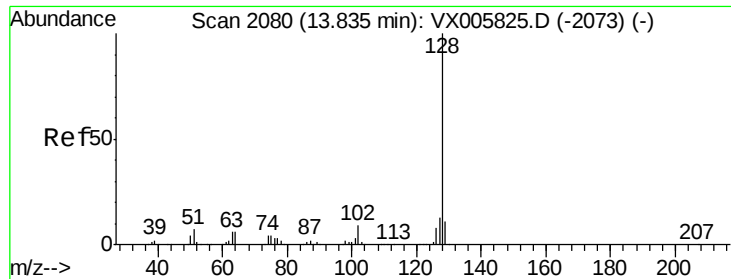
182 92.7 47.6 142.8

145 21.3 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.316 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005923.D

Acq: 13 Nov 2018 02:12

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

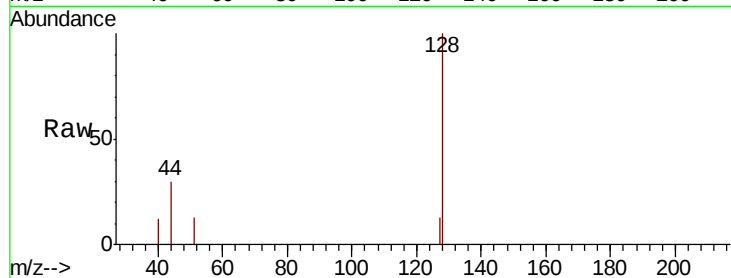
Tot Ion:128 Resp: 646

Ion Ratio Lower Upper

128 100

127 8.4 10.4 15.6#

129 2.9 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

