

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
 Data File : VX006018.D
 Acq On : 15 Nov 2018 12:38
 Operator : JC/MD
 Sample : VX1115MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBL01

Quant Time: Nov 15 16:37:38 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	148181	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	199558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	178525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	88449	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	79541	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	5.50	113	67176	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	8.71	98	238929	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.13	95	82175	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

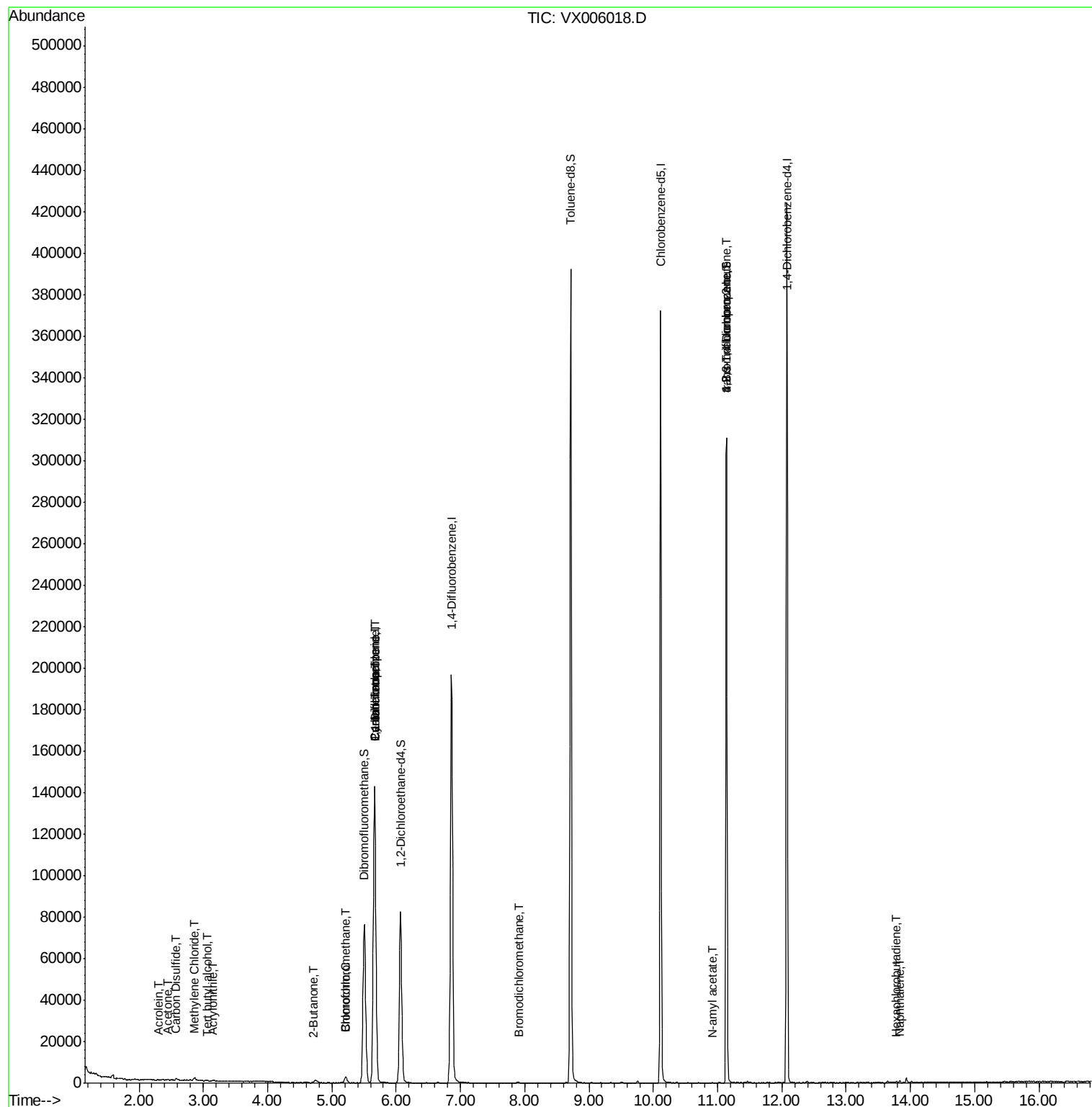
Target Compounds						Qvalue
11) Tert butyl alcohol	3.05	59	144	0.30	ug/l #	72
13) Acrolein	2.29	56	94	19.54	ug/l #	38
15) Acrylonitrile	3.15	53	327	0.32	ug/l #	88
16) Acetone	2.45	43	531	0.58	ug/l	96
17) Carbon Disulfide	2.57	76	832	0.21	ug/l #	91
18) Methyl Acetate	2.78	43	443	Below	Cal #	55
20) Methylene Chloride	2.87	84	574	0.38	ug/l	89
25) 2-Butanone	4.71	43	322	0.22	ug/l #	51
28) Bromochloromethane	5.21	49	276	0.23	ug/l #	15
30) Chloroform	5.21	83	3419	1.30	ug/l #	84
31) Cyclohexane	5.67	56	2717	1.14	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	10038	5.22	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12832	6.66	ug/l #	15
47) Bromodichloromethane	7.90	83	429	0.27	ug/l #	80
74) N-amyl acetate	10.91	43	23	1.26	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	40314	22.38	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	40314	71.34	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	140	Below	Cal #	31
94) Hexachlorobutadiene	13.78	225	205	0.20	ug/l	96
95) Naphthalene	13.83	128	873	1.31	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

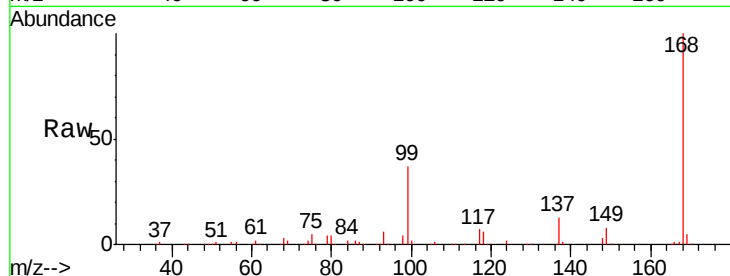
VX1115MBL01

Tgt Ion:168 Resp: 148181

Ion Ratio Lower Upper

168 100

99 37.4 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

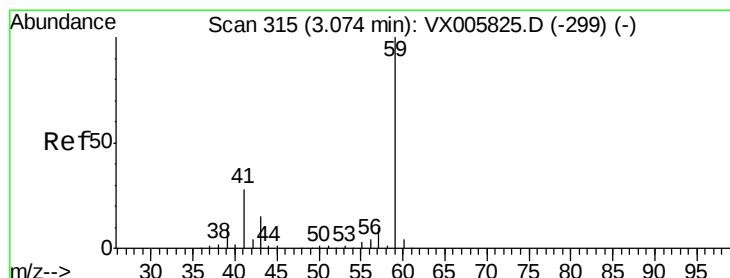
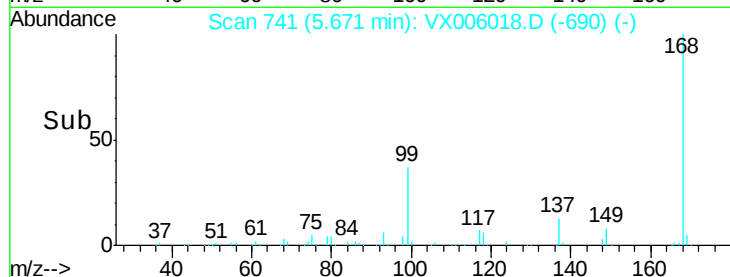
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.30 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.02 min

Lab File: VX006018.D

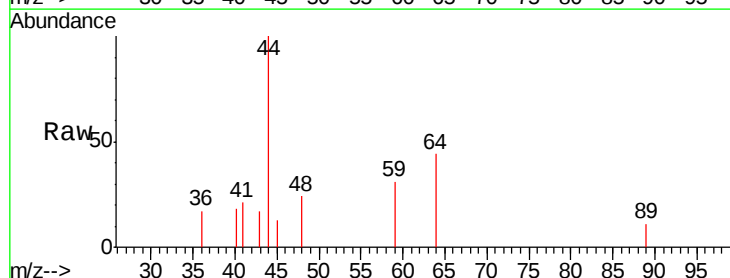
Acq: 15 Nov 2018 12:38

Tgt Ion: 59 Resp: 144

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.05

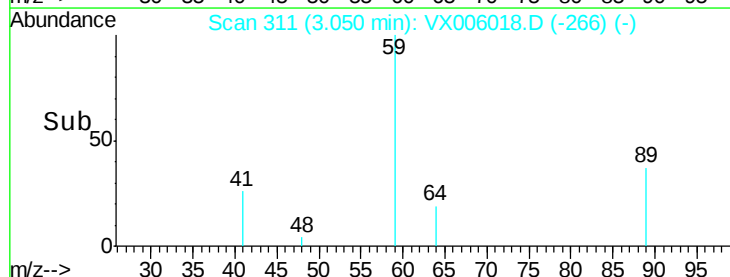
150

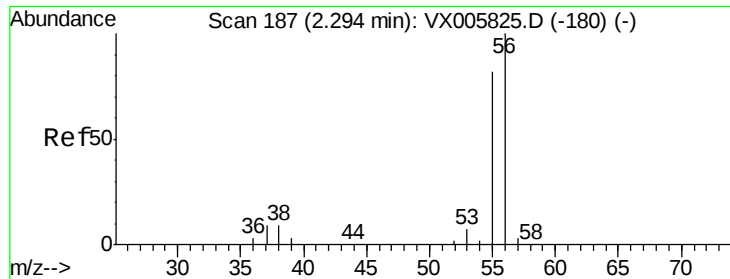
100

50

0

Time--> 3.04 3.06 3.08





#13

Acrolein

Concen: 19.54 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

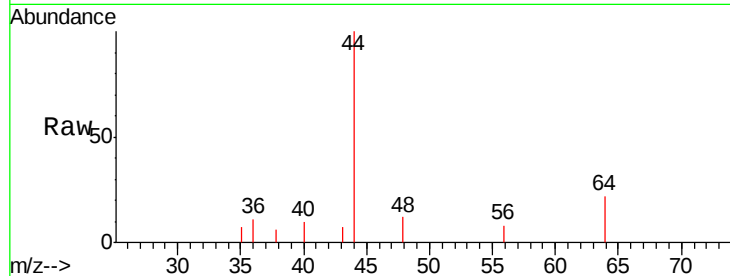
VX1115MBL01

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

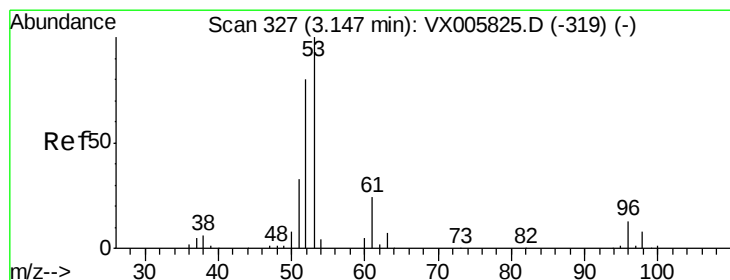
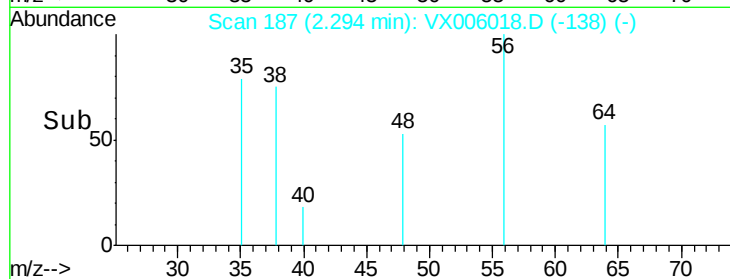
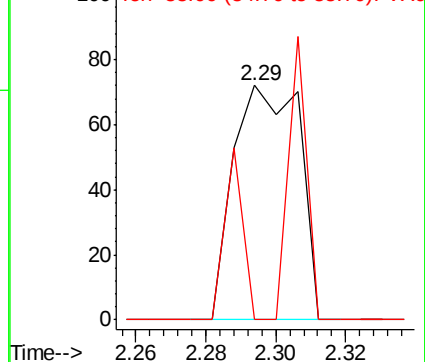
56 100

55 20.2 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

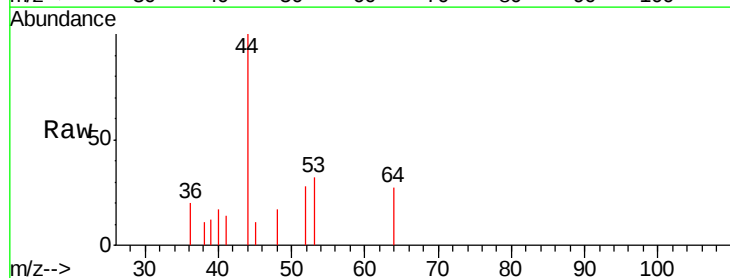
Tgt Ion: 53 Resp: 327

Ion Ratio Lower Upper

53 100

52 73.1 66.6 99.8

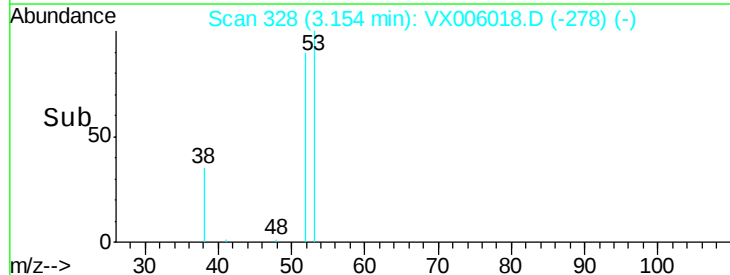
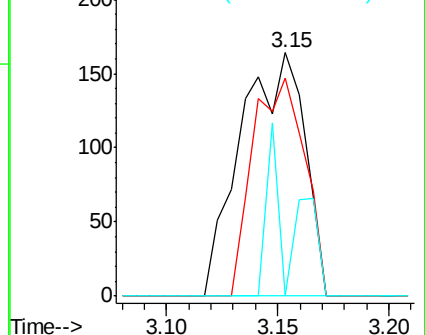
51 27.8 28.4 42.6#

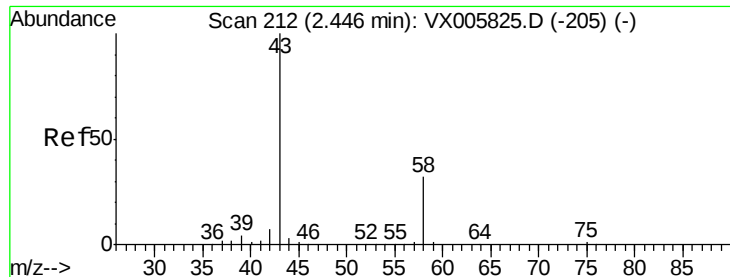


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.58 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

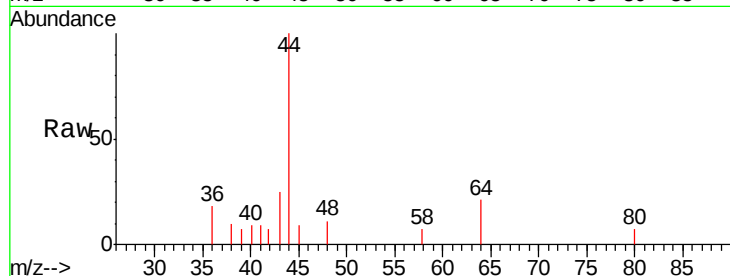
VX1115MBL01

Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

58 27.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

200

150

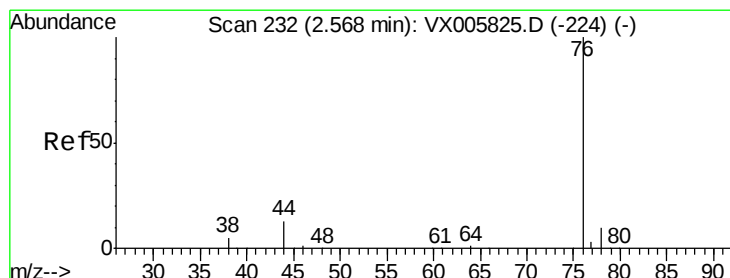
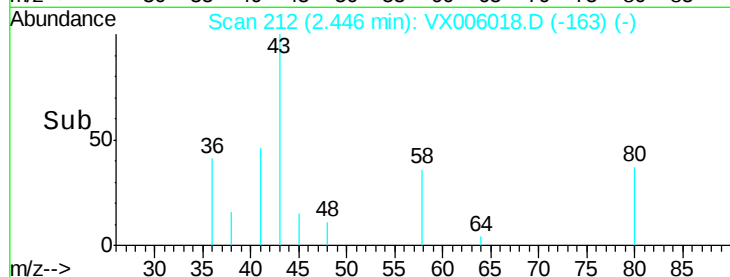
100

50

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006018.D

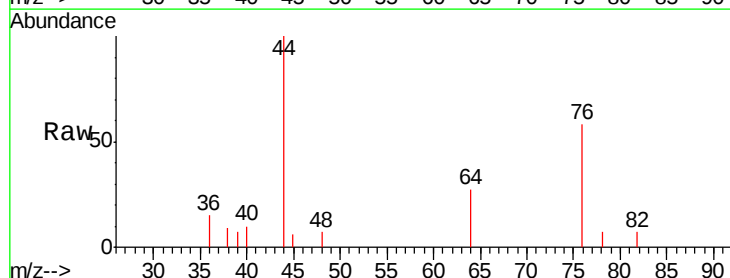
Acq: 15 Nov 2018 12:38

Tgt Ion: 76 Resp: 832

Ion Ratio Lower Upper

76 100

78 12.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

500

400

300

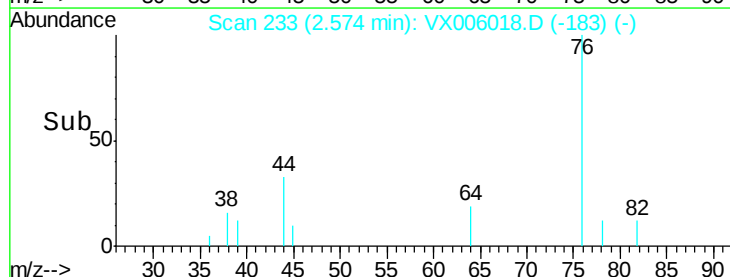
200

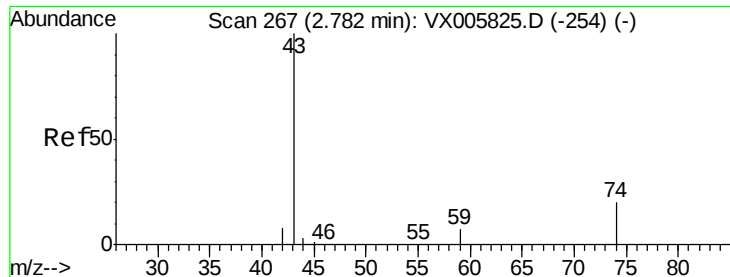
100

0

2.55 2.60

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

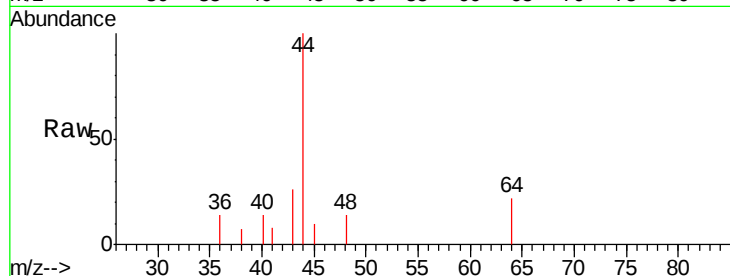
VX1115MBL01

Tgt Ion: 43 Resp: 443

Ion Ratio Lower Upper

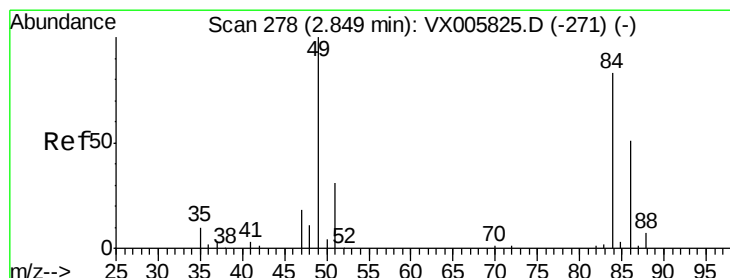
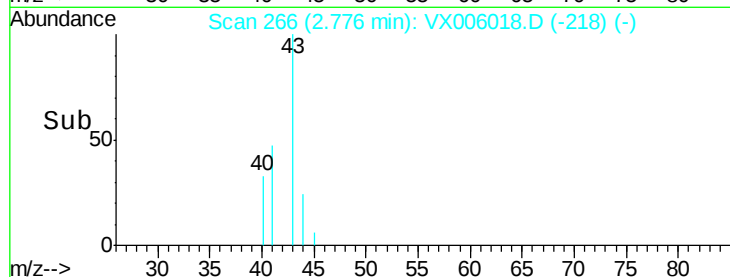
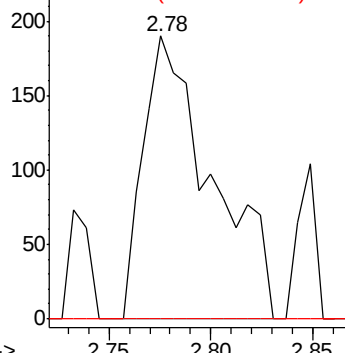
43 100

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



#20

Methylene Chloride

Concen: 0.38 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.02 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Tgt Ion: 84 Resp: 574

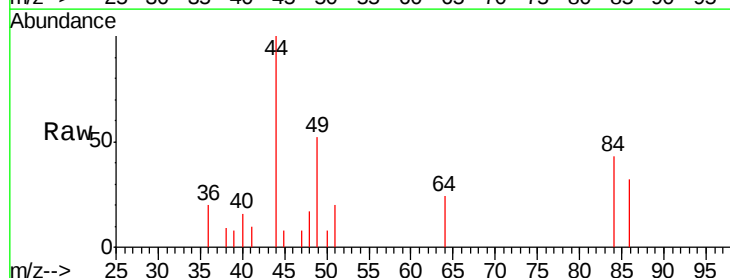
Ion Ratio Lower Upper

84 100

49 122.6 109.5 164.3

51 47.2 33.3 49.9

86 75.0 52.7 79.1

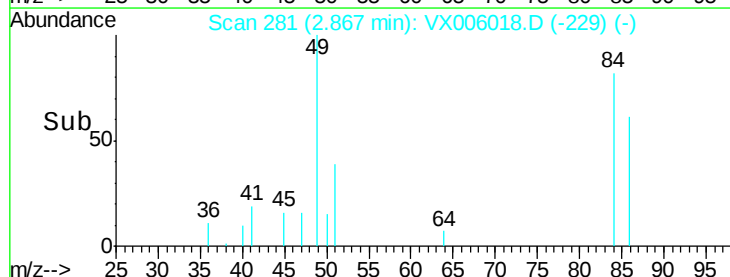
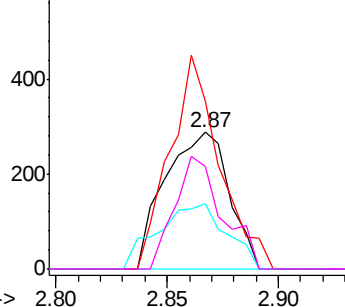


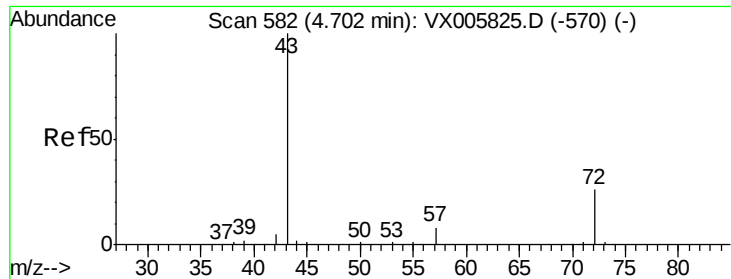
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

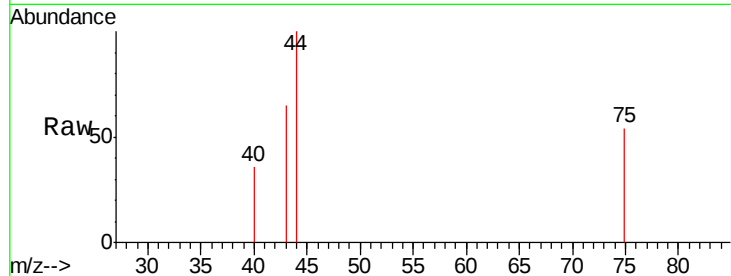
VX1115MBL01

Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

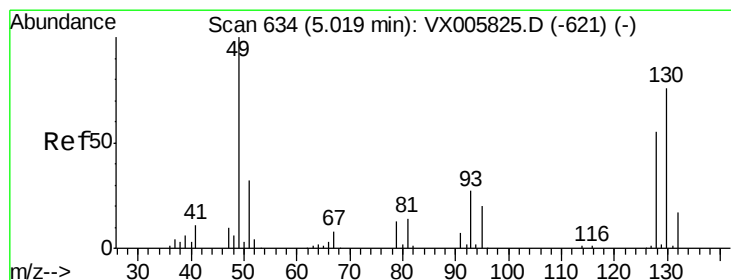
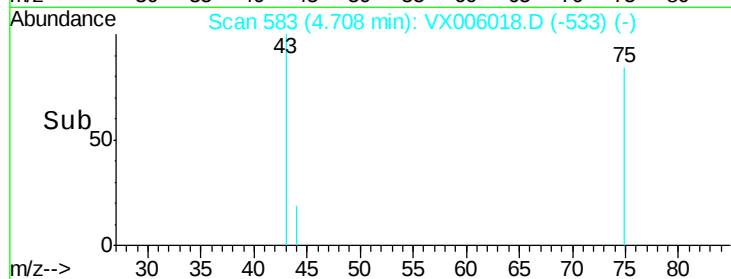
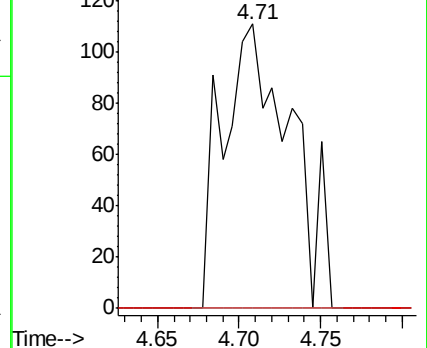
43 100

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



#28

Bromochloromethane

Concen: 0.23 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.20 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

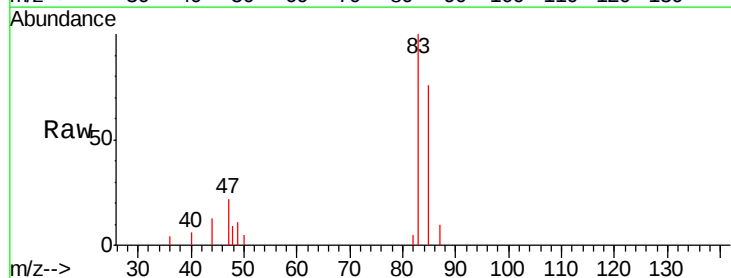
Tgt Ion: 49 Resp: 276

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

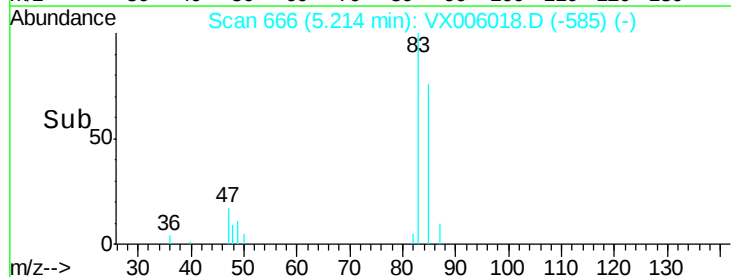
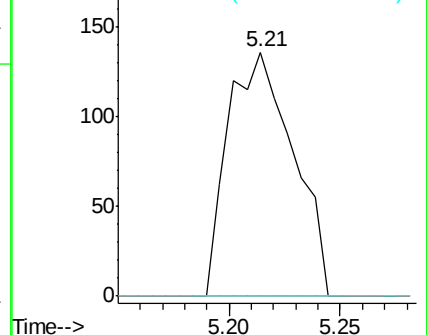
130 0.0 58.9 88.3#

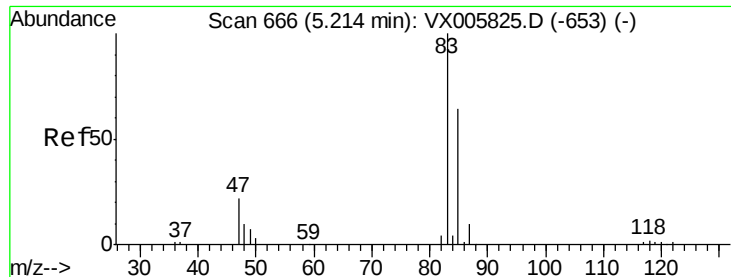


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

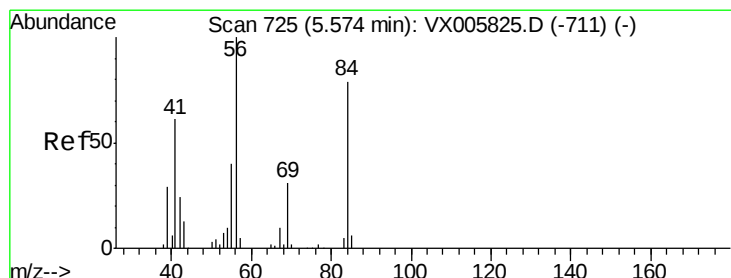
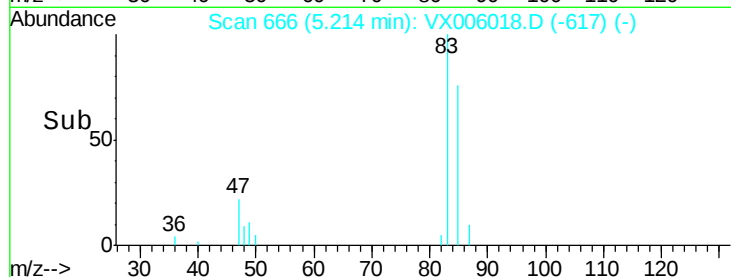
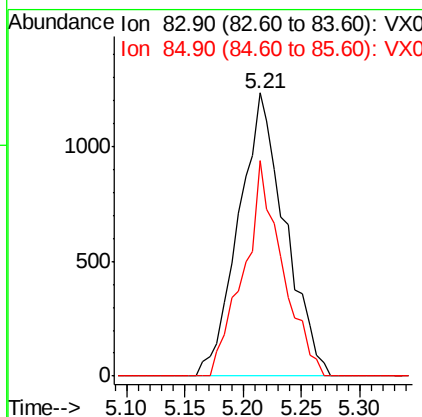
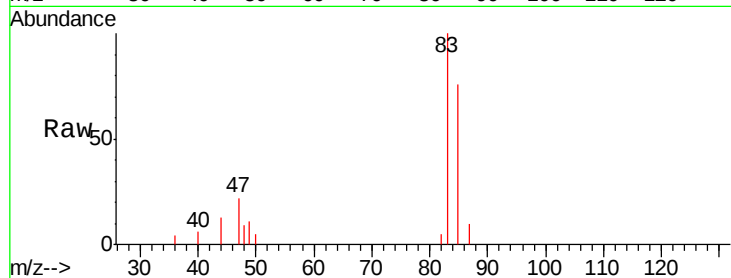




#30
Chloroform
Concen: 1.30 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006018.D
Acq: 15 Nov 2018 12:38

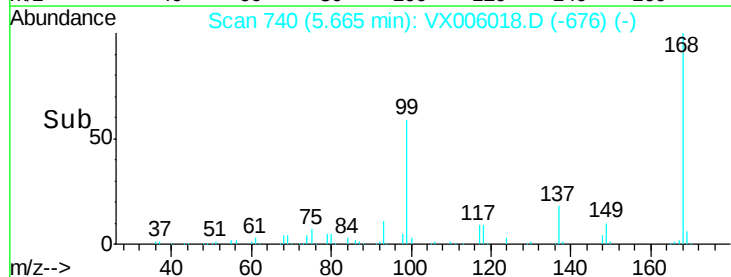
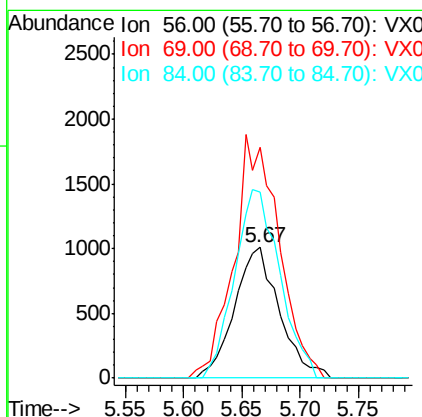
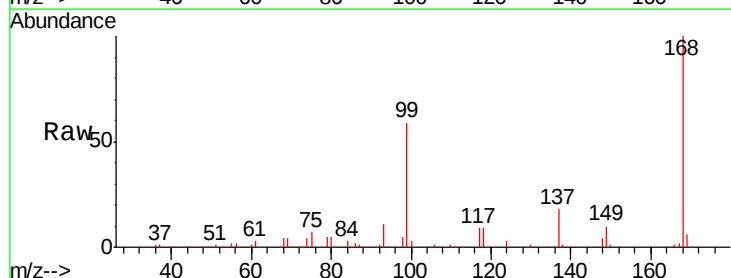
Instrument :
MSVOA_X
ClientSampled :
VX1115MBL01

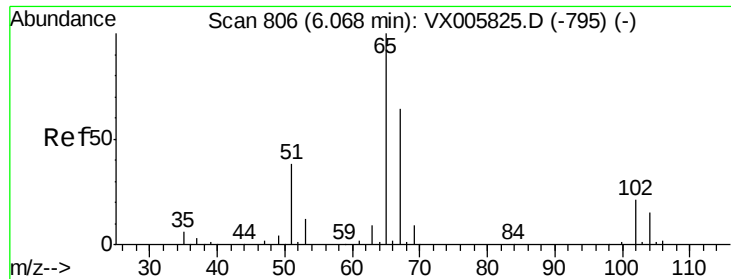
Tgt Ion: 83 Resp: 3419
Ion Ratio Lower Upper
83 100
85 76.1 50.6 76.0#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006018.D
Acq: 15 Nov 2018 12:38

Tgt Ion: 56 Resp: 2717
Ion Ratio Lower Upper
56 100
69 176.4 22.6 34.0#
84 142.1 62.7 94.1#

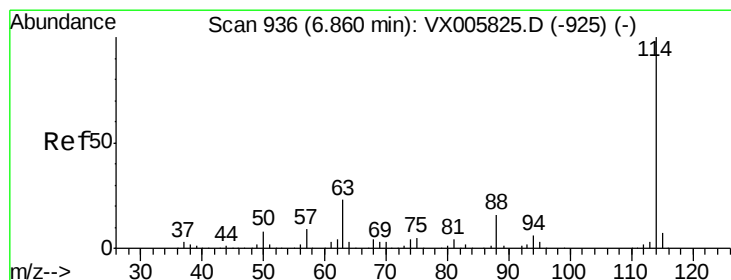
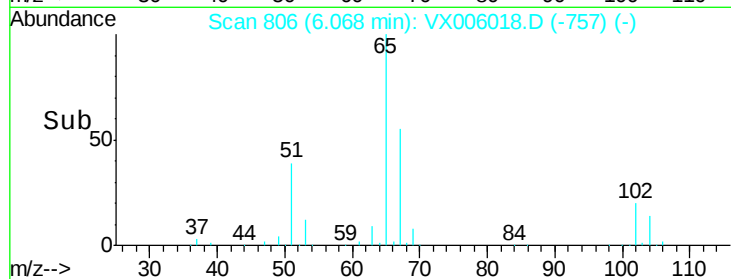
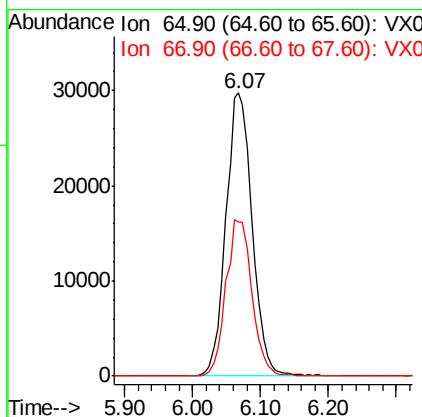
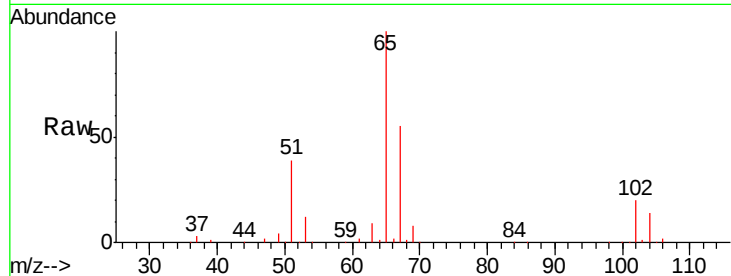




#33
 1,2-Dichloroethane-d4
 Concen: 46.69 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006018.D
 Acq: 15 Nov 2018 12:38

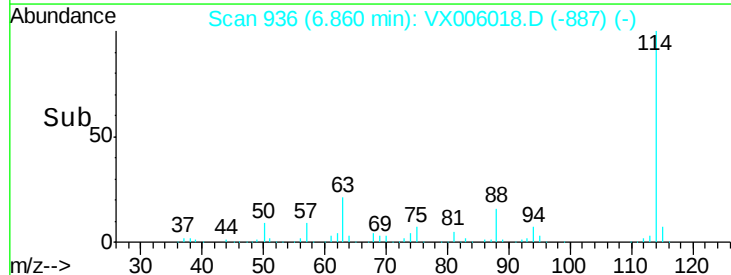
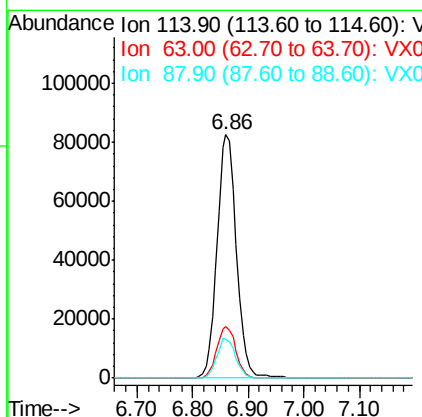
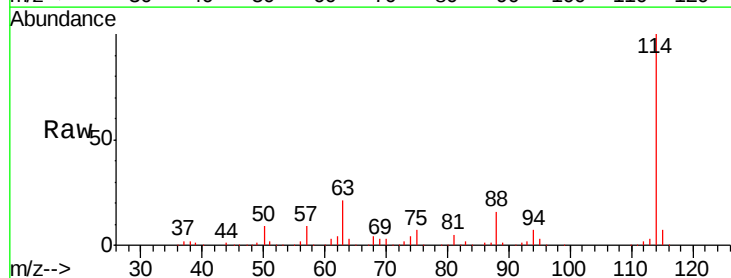
Instrument :
 MSVOA_X
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 VX1115MBL01

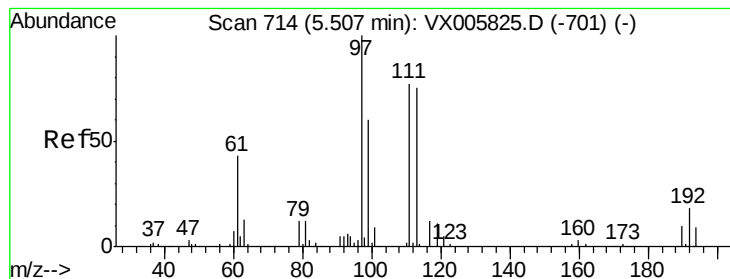
Tgt Ion: 65 Resp: 79541
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006018.D
 Acq: 15 Nov 2018 12:38

Tgt Ion: 114 Resp: 199558
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.8
 88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.49 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBL01

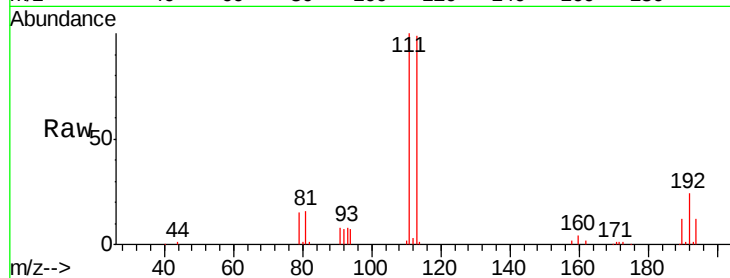
Tgt Ion:113 Resp: 67176

Ion Ratio Lower Upper

113 100

111 104.1 82.3 123.5

192 23.1 17.9 26.9

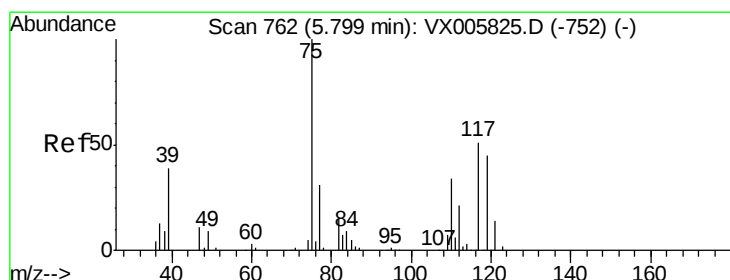
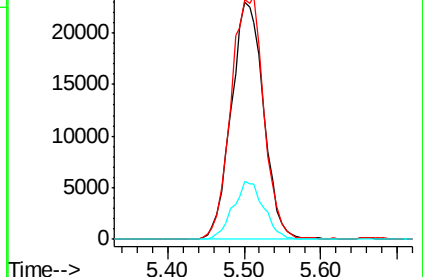
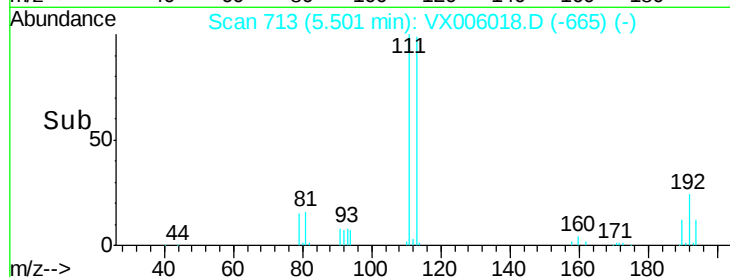


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



#36

1,1-Dichloropropene

Concen: 5.22 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

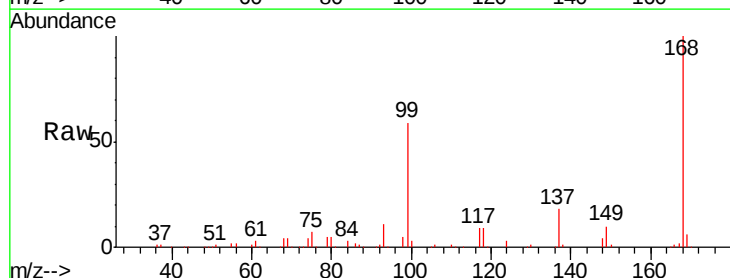
Tgt Ion: 75 Resp: 10038

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.2#

77 0.0 25.8 38.6#

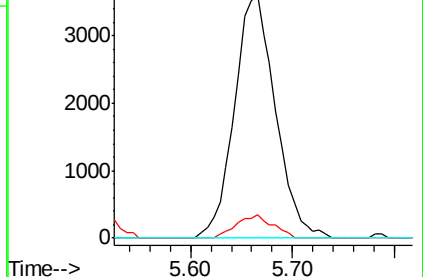
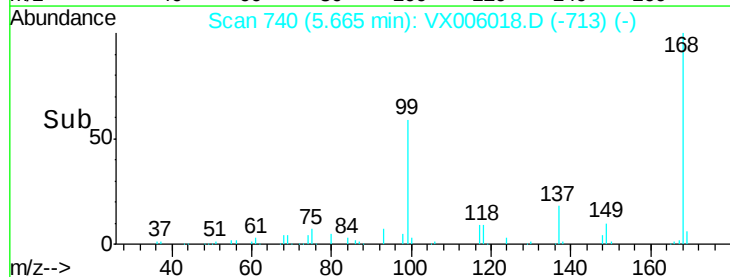


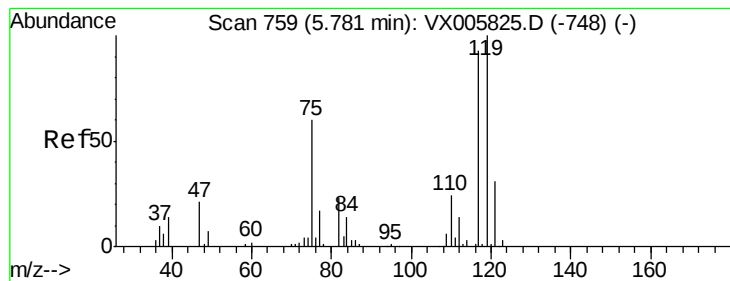
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

Time-->





#38

Carbon Tetrachloride

Concen: 6.66 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBL01

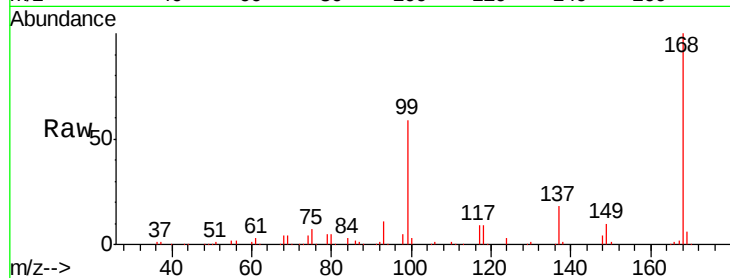
Tgt Ion:117 Resp: 12832

Ion Ratio Lower Upper

117 100

119 5.2 78.1 117.1#

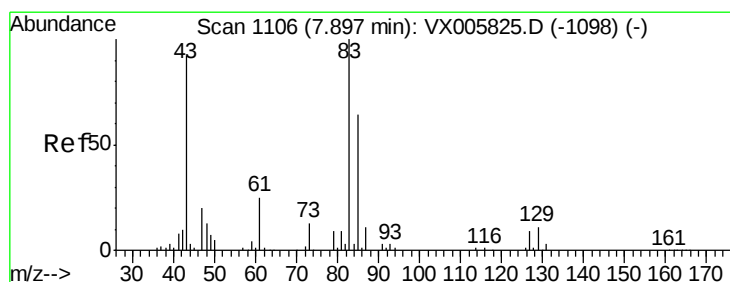
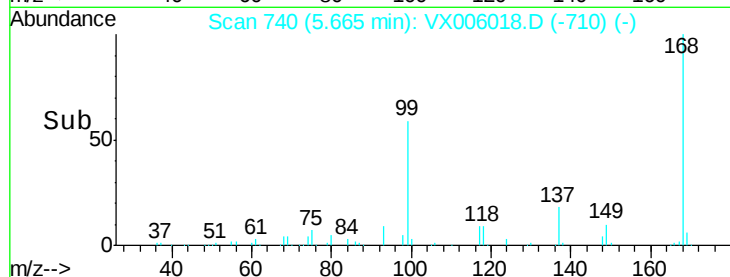
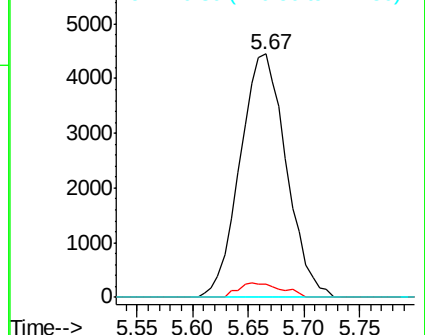
121 0.0 24.6 36.8#



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



#47

Bromodichloromethane

Concen: 0.27 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

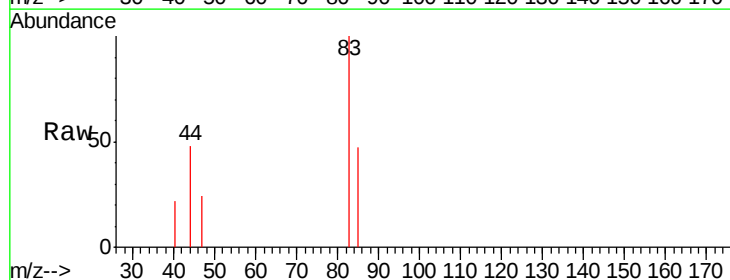
Tgt Ion: 83 Resp: 429

Ion Ratio Lower Upper

83 100

85 47.5 50.2 75.4#

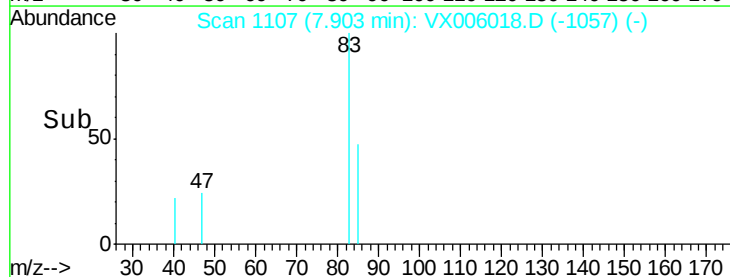
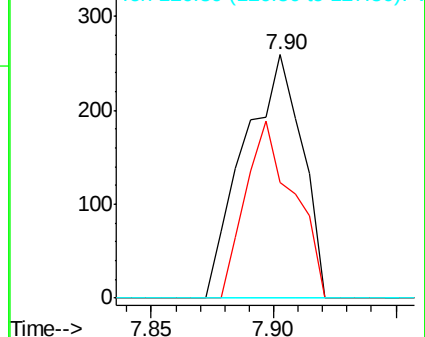
127 0.0 6.9 10.3#

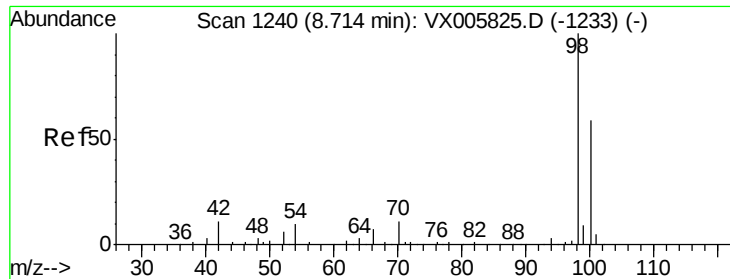


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 52.95 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

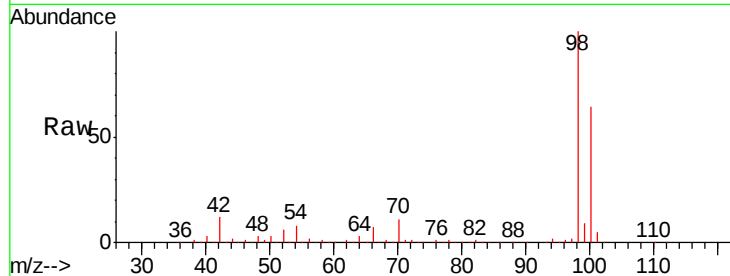
VX1115MBL01

Tgt Ion: 98 Resp: 238929

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

150000

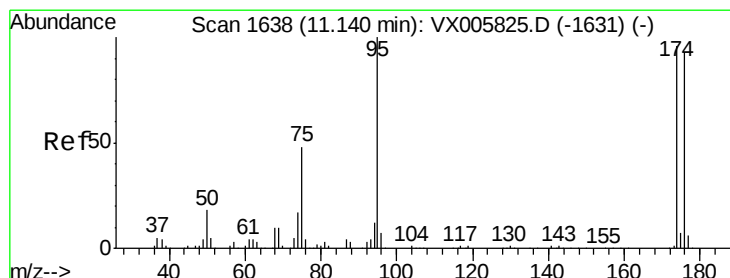
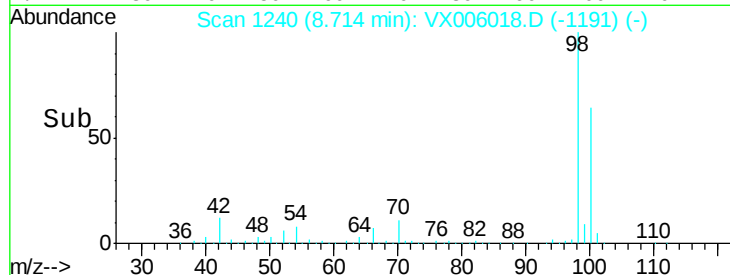
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 50.65 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

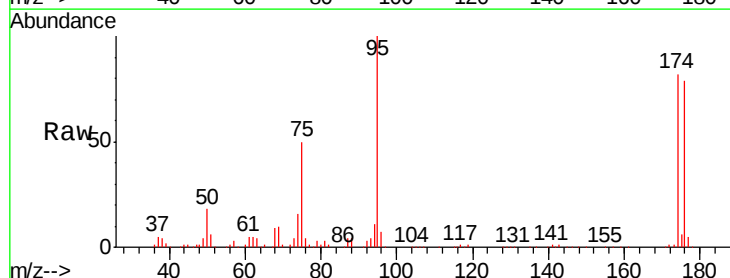
Tgt Ion: 95 Resp: 82175

Ion Ratio Lower Upper

95 100

174 91.3 0.0 184.4

176 88.1 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

80000

60000

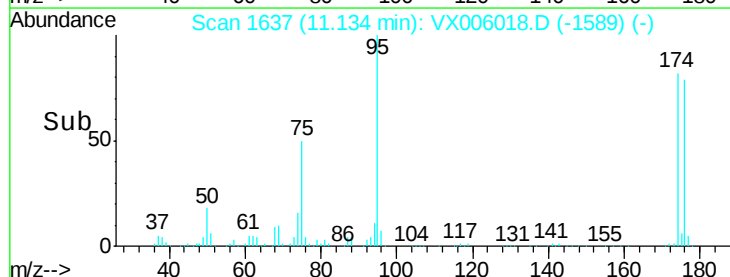
40000

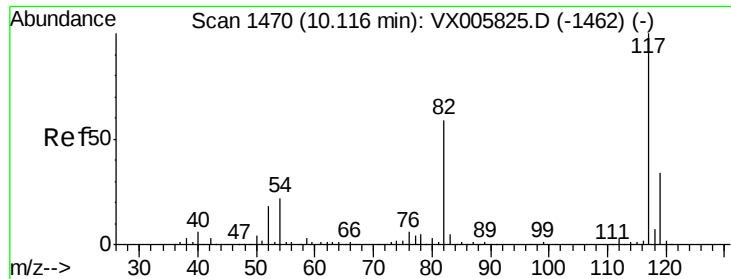
20000

0

11.10 11.20

Time-->

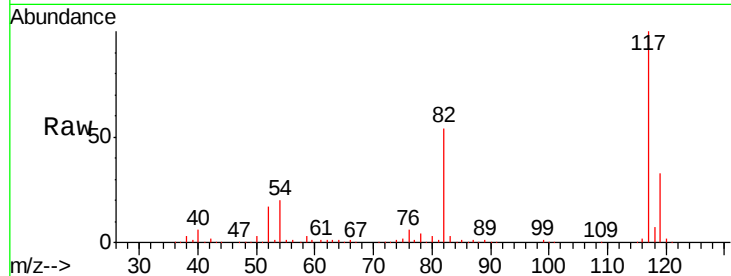




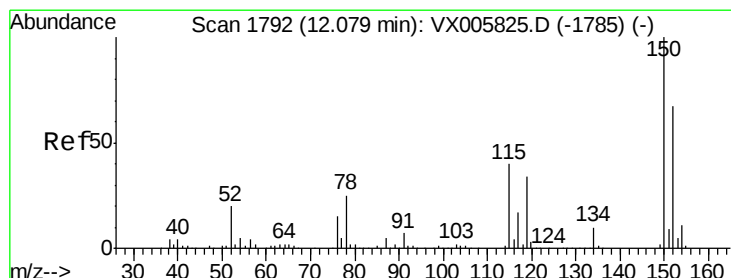
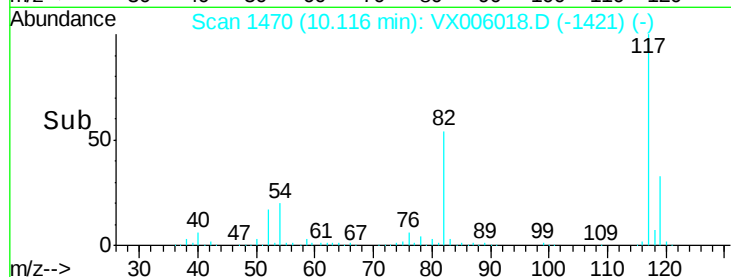
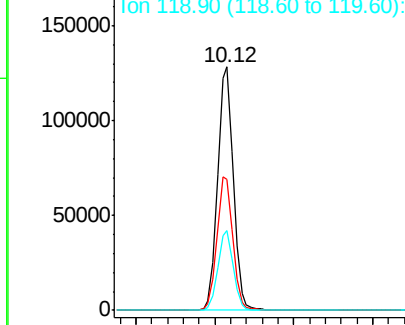
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006018.D
Acq: 15 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBL01

Tgt Ion:117 Resp: 178525
Ion Ratio Lower Upper
117 100
82 54.0 44.1 66.1
119 32.9 26.2 39.2

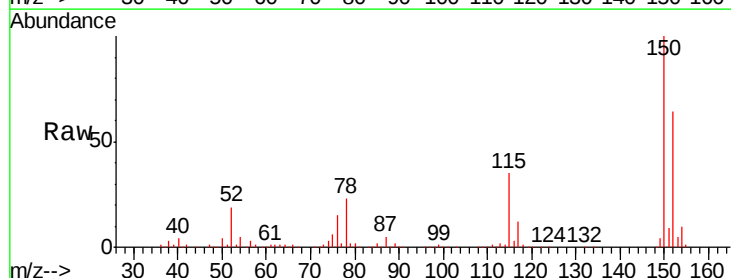


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

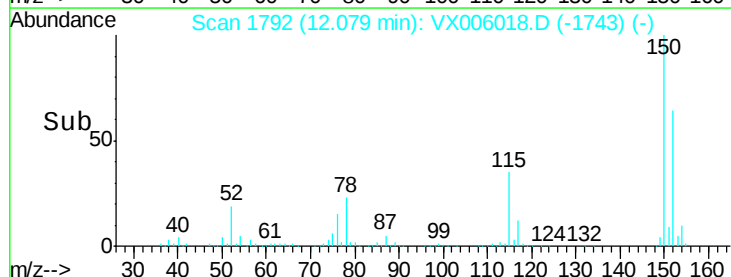
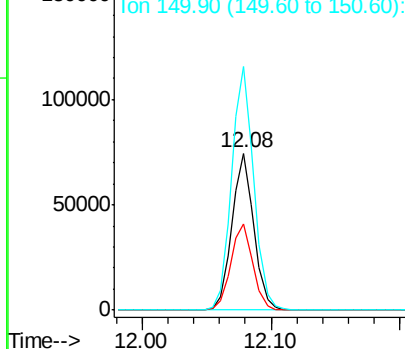


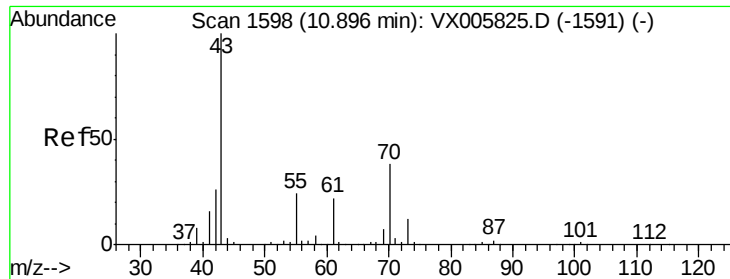
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006018.D
Acq: 15 Nov 2018 12:38

Tgt Ion:152 Resp: 88449
Ion Ratio Lower Upper
152 100
115 55.5 39.4 118.1
150 157.2 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-ethyl acetate

Concen: 1.26 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX006018.D

Acq: 15 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBL01

Tgt Ion: 43 Resp: 23

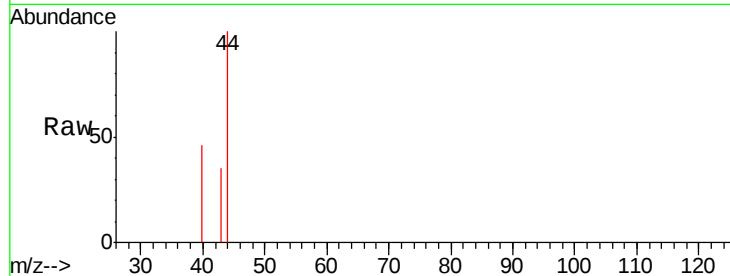
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

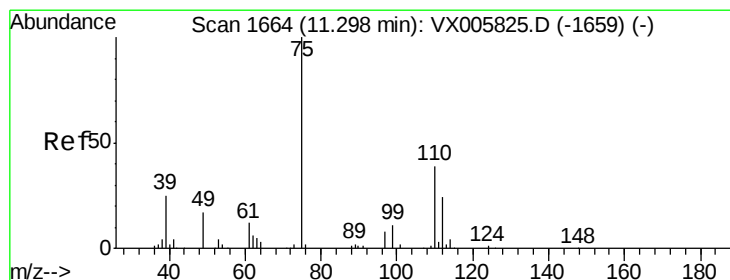
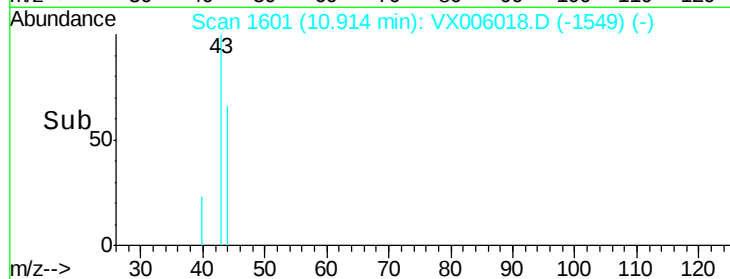
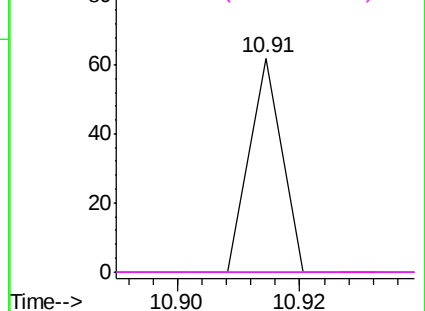


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.38 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006018.D

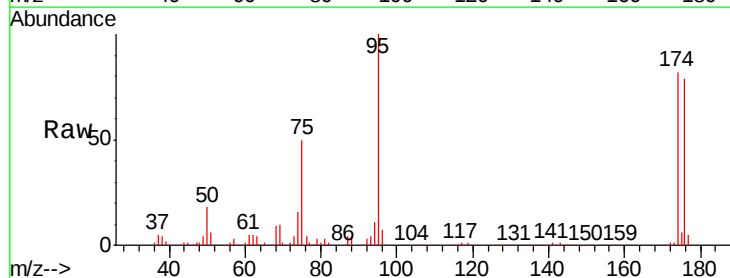
Acq: 15 Nov 2018 12:38

Tgt Ion: 75 Resp: 40314

Ion Ratio Lower Upper

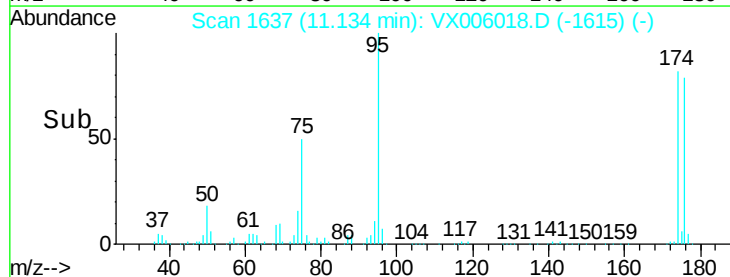
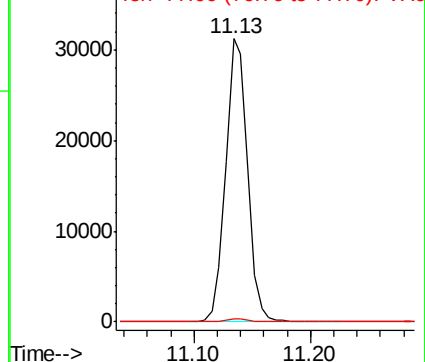
75 100

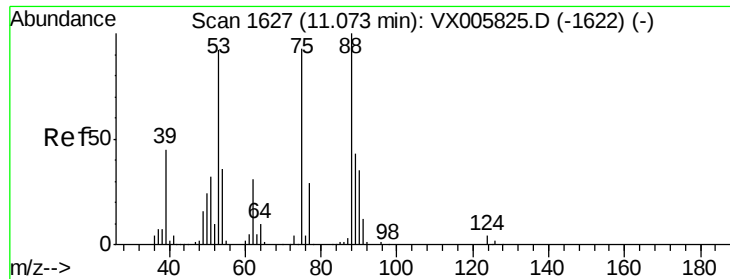
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

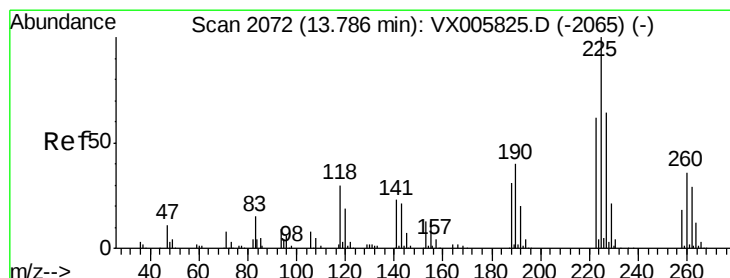
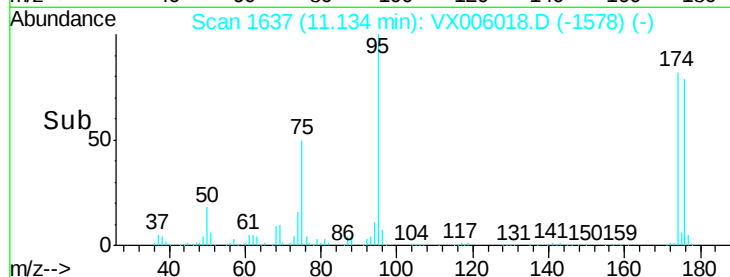
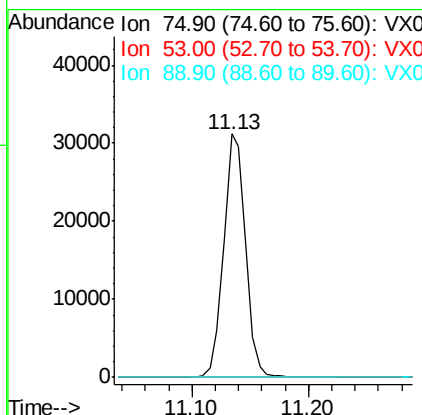
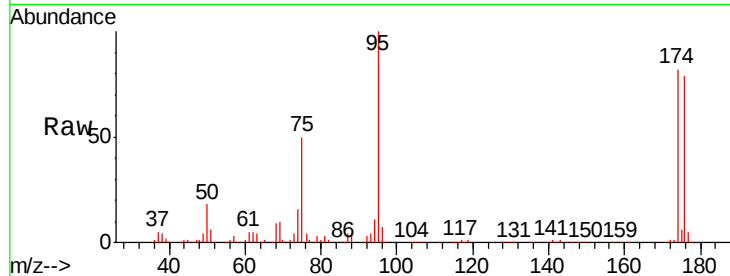




#81
trans-1,4-Dichloro-2-butene
Concen: 71.34 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006018.D
Acq: 15 Nov 2018 12:38

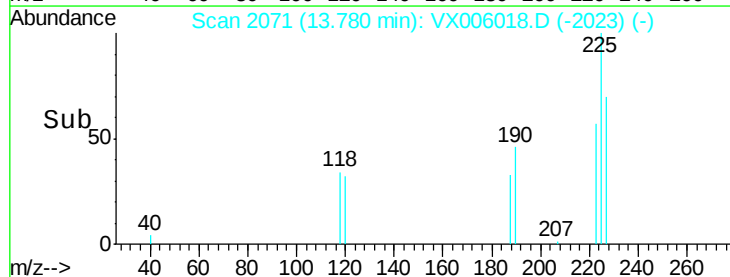
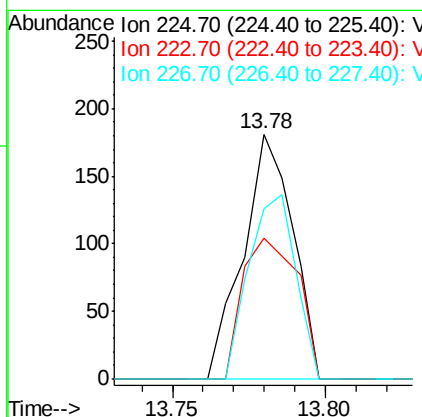
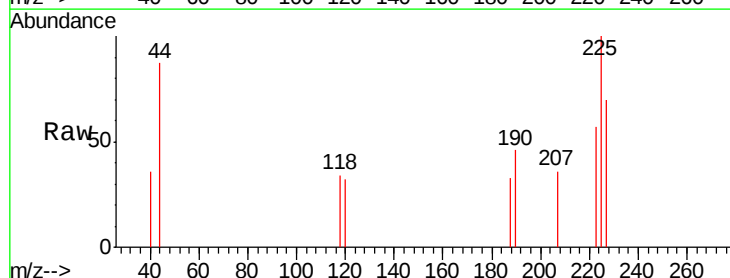
Instrument :
MSVOA_X
ClientSampleId :
VX1115MBL01

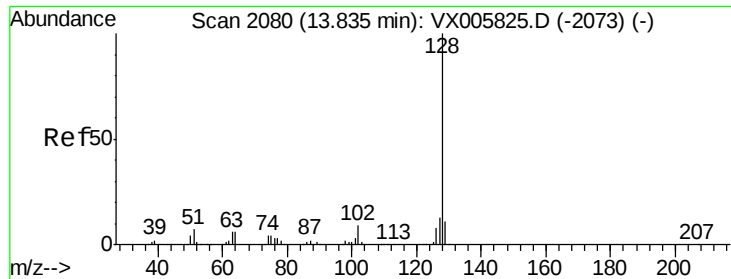
Tgt Ion: 75 Resp: 40314
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.8 59.8#



#94
Hexachlorobutadiene
Concen: 0.20 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VX006018.D
Acq: 15 Nov 2018 12:38

Tgt Ion: 225 Resp: 205
Ion Ratio Lower Upper
225 100
223 63.4 31.7 95.1
227 70.7 32.3 96.9





#95
Naphthalene
Concen: 1.31 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006018.D
Acq: 15 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.4	15.6
129	10.8	8.7	13.1

