

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005047.D
 Acq On : 05 Oct 2018 04:57
 Operator : JC/MD
 Sample : J5233-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181002

Quant Time: Oct 05 05:22:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	332818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	319245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168001	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	160159	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
35) Dibromofluoromethane	5.51	113	137575	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	8.72	98	478527	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.14	95	163728	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

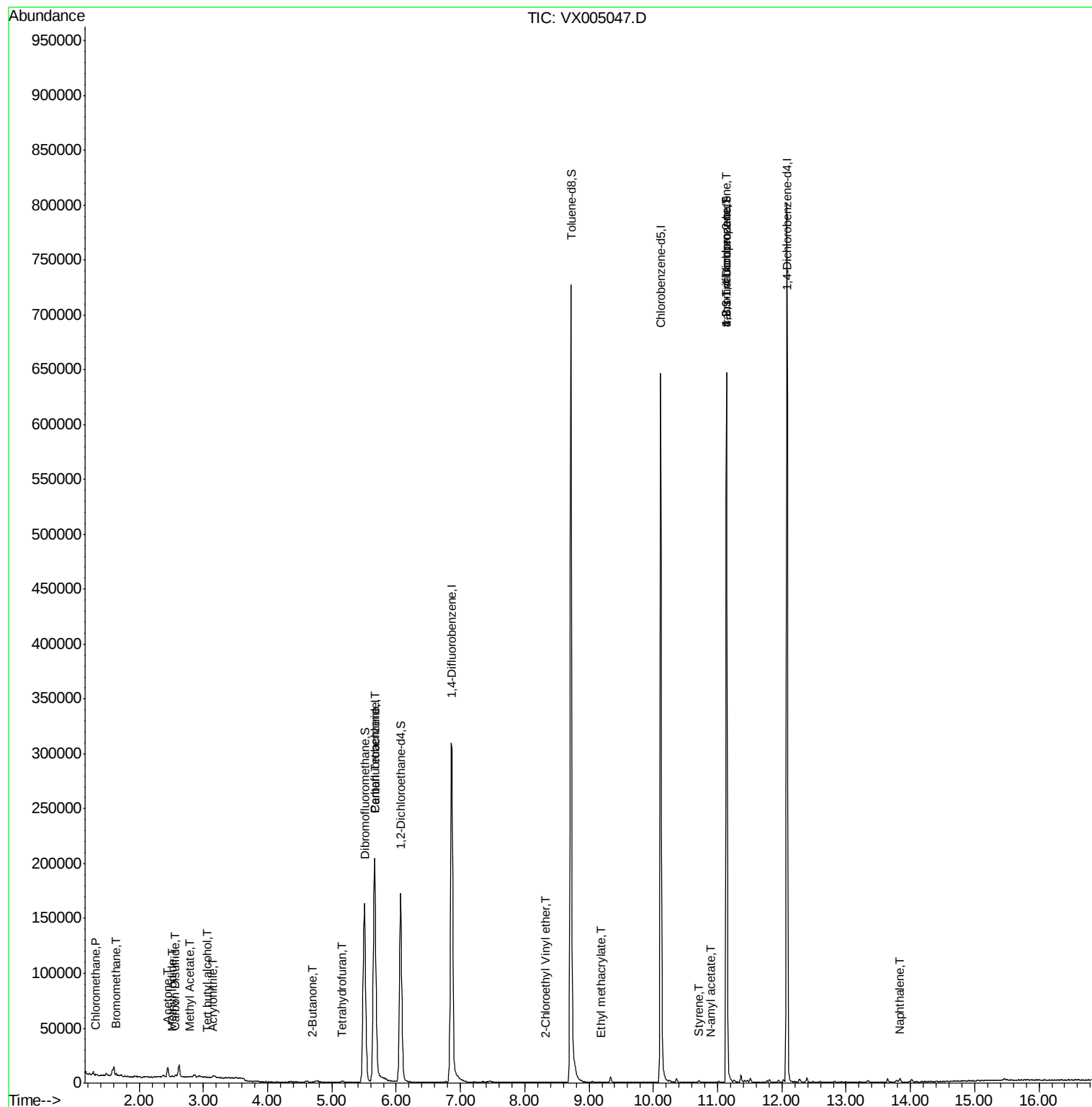
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	861	0.250	ug/l #	86
5) Bromomethane	1.64	94	973	0.507	ug/l #	73
6) Chloroethane	1.75	64	218	Below Cal	#	45
10) Methyl Iodide	2.52	142	1077	0.353	ug/l #	83
11) Tert butyl alcohol	3.06	59	405	0.486	ug/l #	85
15) Acrylonitrile	3.15	53	932	0.508	ug/l #	77
16) Acetone	2.45	43	9626	5.534	ug/l	97
17) Carbon Disulfide	2.57	76	2364	0.348	ug/l #	94
18) Methyl Acetate	2.78	43	885	0.201	ug/l #	89
20) Methylene Chloride	2.85	84	1121	Below Cal		87
25) 2-Butanone	4.70	43	891	0.348	ug/l	92
29) Tetrahydrofuran	5.16	42	899	0.564	ug/l #	90
38) Carbon Tetrachloride	5.67	117	18839	4.657	ug/l #	18
56) Ethyl methacrylate	9.18	69	42	2.870	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	51	14.261	ug/l #	49
70) Styrene	10.71	104	377	2.182	ug/l #	77
74) N-amyl acetate	10.90	43	196	1.780	ug/l #	57
76) 1,2,3-Trichloropropane	11.14	75	81957	21.765	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	833	Below Cal		99
81) trans-1,4-Dichloro-2-buten	11.14	75	81957	58.990	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1243	Below Cal		94
95) Naphthalene	13.83	128	2055	0.864	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
Data File : VX005047.D
Acq On : 05 Oct 2018 04:57
Operator : JC/MD
Sample : J5233-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 85 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
TB-01-181002

Quant Time: Oct 05 05:22:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 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: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

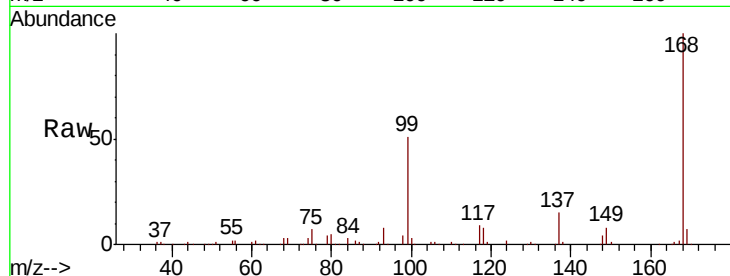
TB-01-181002

Tot Ion:168 Resp: 208567

Ion Ratio Lower Upper

168 100

99 50.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

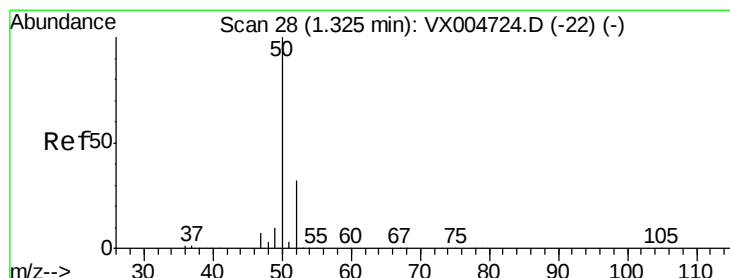
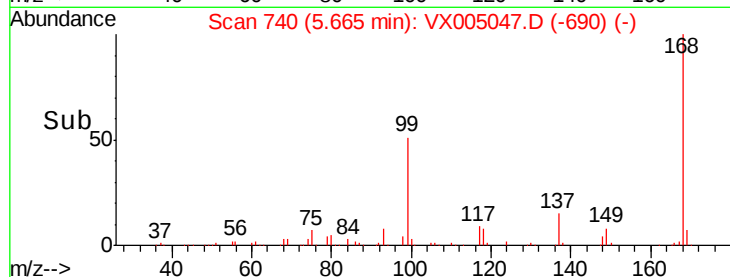
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005047.D

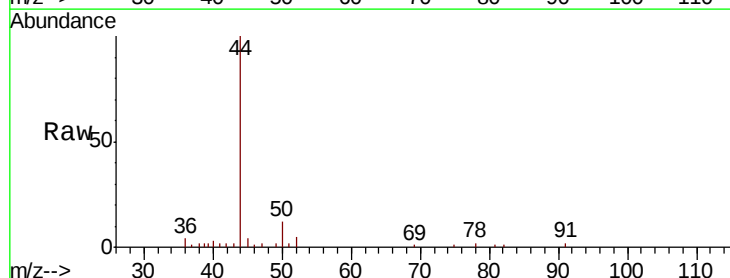
Acq: 05 Oct 2018 04:57

Tgt Ion: 50 Resp: 861

Ion Ratio Lower Upper

50 100

52 39.9 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

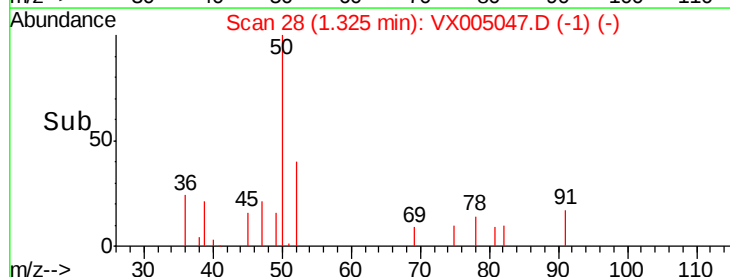
600

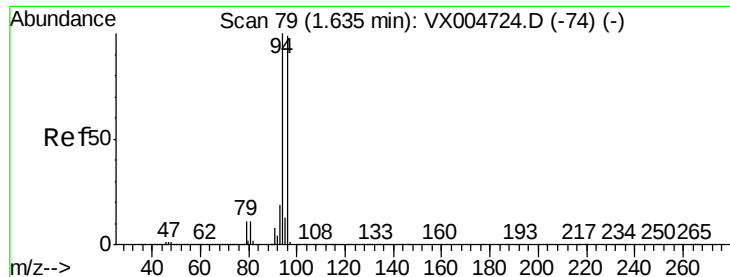
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.507 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampled :

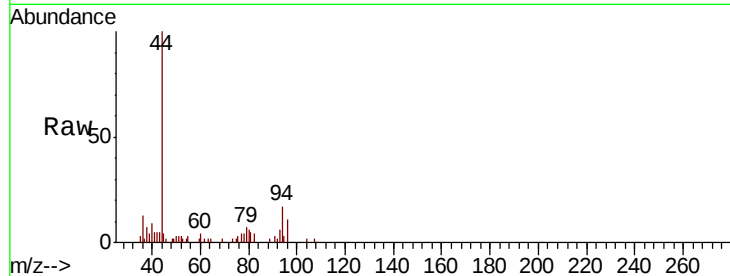
TB-01-181002

Tot Ion: 94 Resp: 973

Ion Ratio Lower Upper

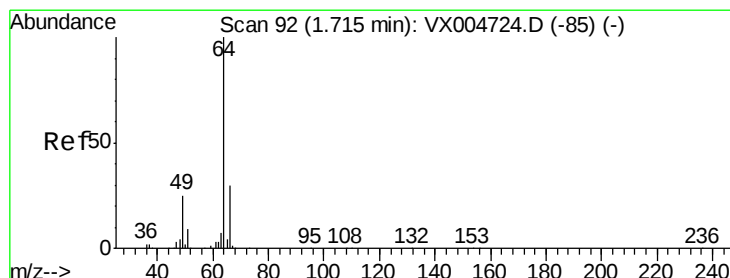
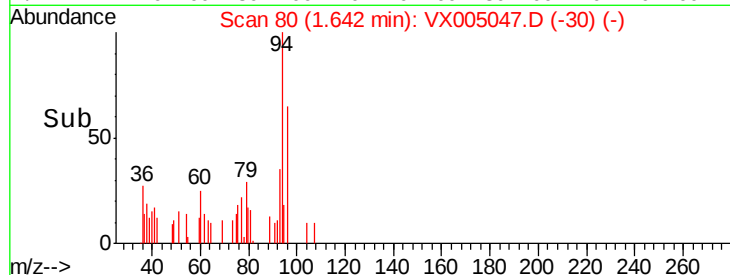
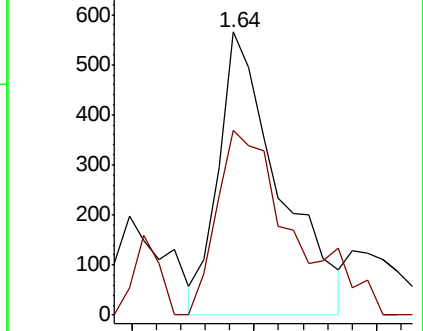
94 100

96 73.0 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX005047.D

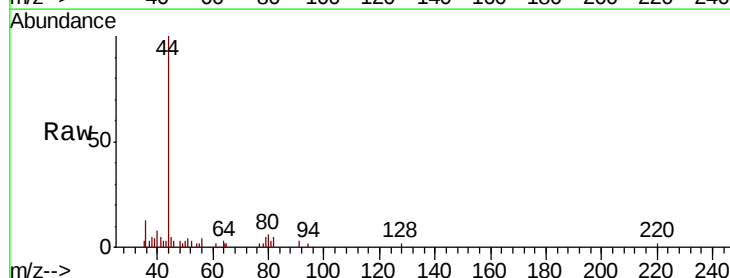
Acq: 05 Oct 2018 04:57

Tgt Ion: 64 Resp: 218

Ion Ratio Lower Upper

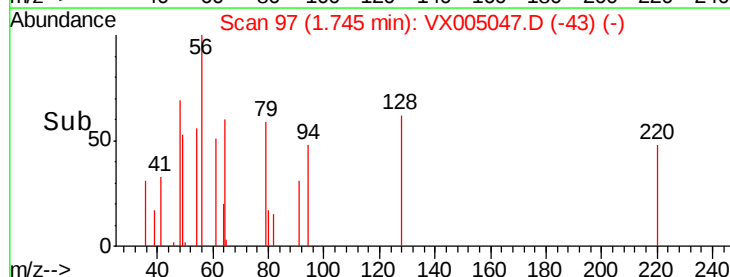
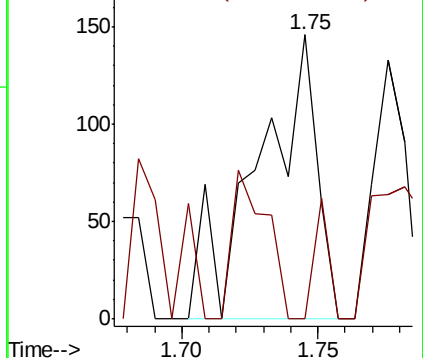
64 100

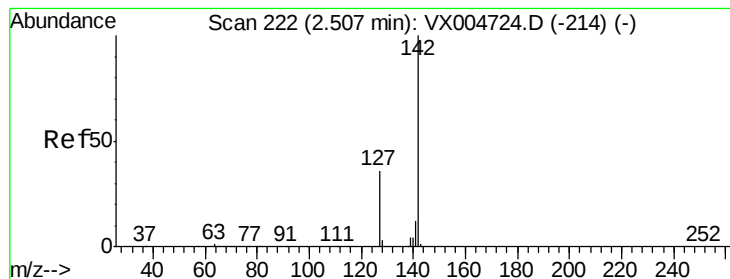
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 0.353 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181002

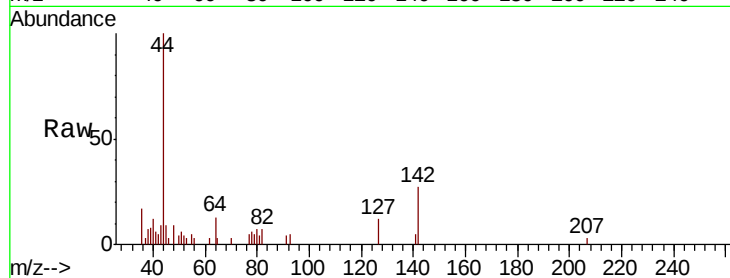
Tot Ion:142 Resp: 1077

Ion Ratio Lower Upper

142 100

127 51.2 30.1 45.1#

141 12.7 10.1 15.1



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

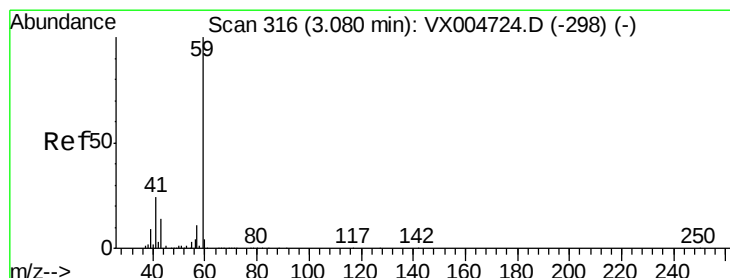
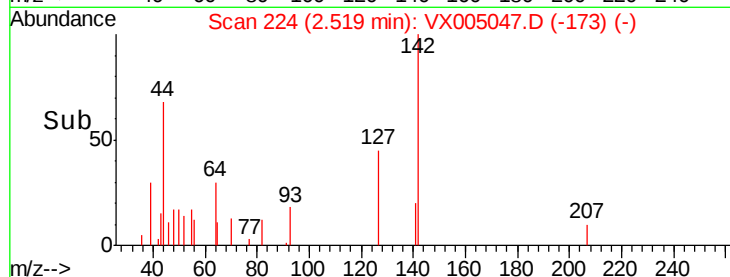
400

200

0

2.45 2.50 2.55

Time-->



#11

Tert butyl alcohol

Concen: 0.486 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX005047.D

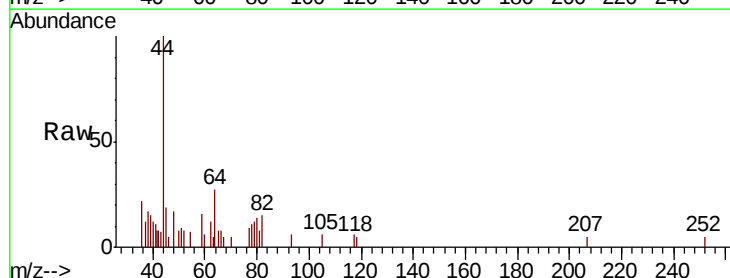
Acq: 05 Oct 2018 04:57

Tgt Ion: 59 Resp: 405

Ion Ratio Lower Upper

59 100

57 4.9 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250

200

150

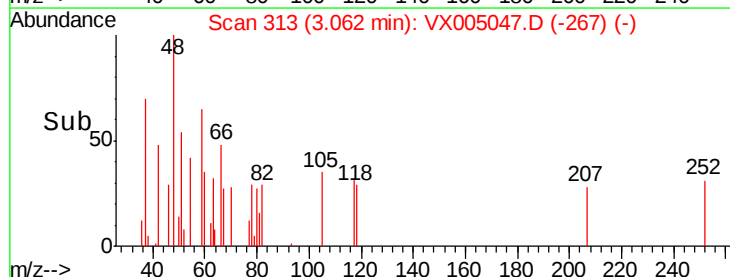
100

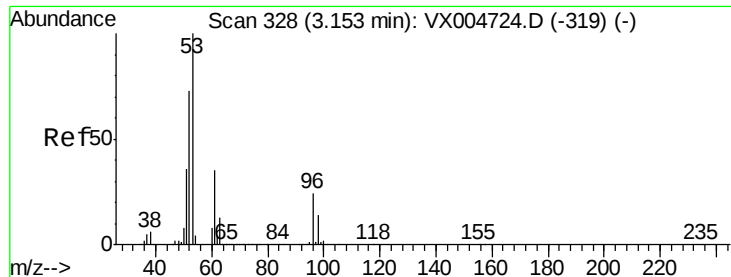
50

0

3.05 3.10

Time-->





#15

Acrylonitrile

Concen: 0.508 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181002

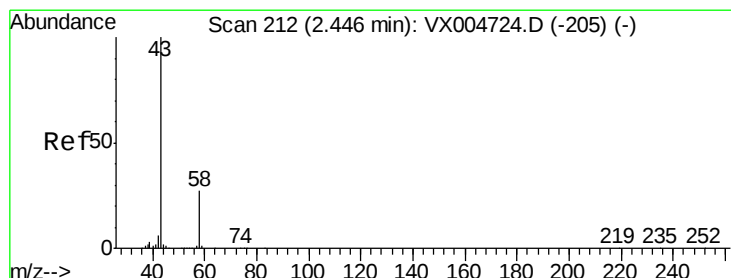
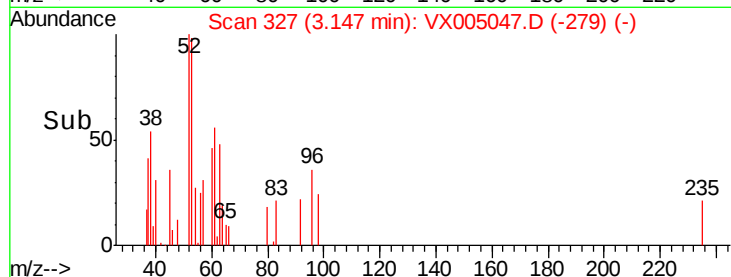
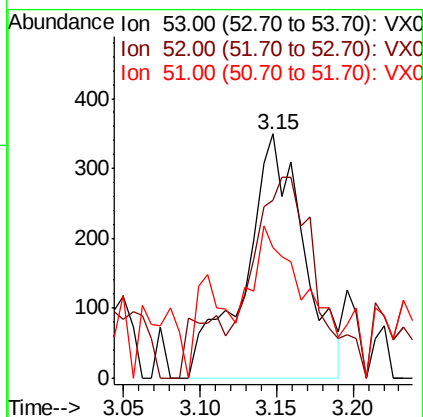
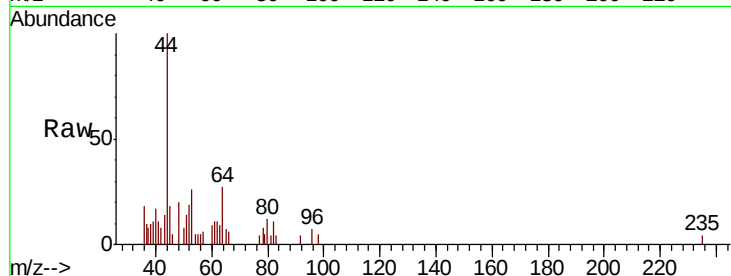
Tot Ion: 53 Resp: 932

Ion Ratio Lower Upper

53 100

52 87.4 63.0 94.4

51 65.7 28.6 42.8#



#16

Acetone

Concen: 5.534 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005047.D

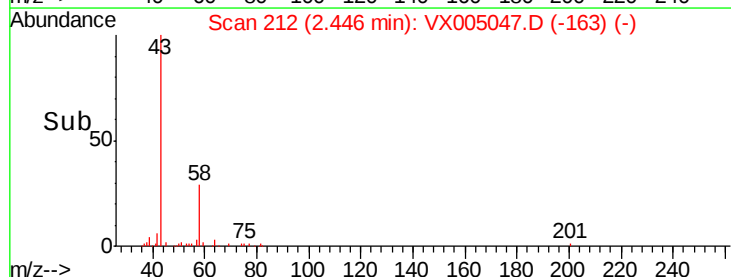
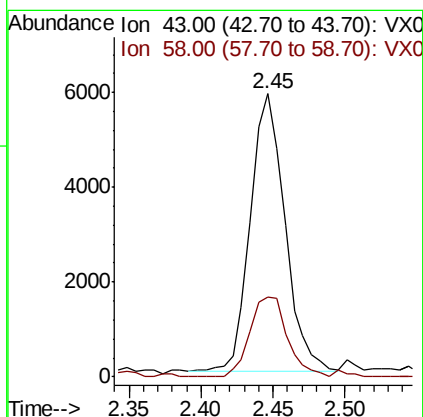
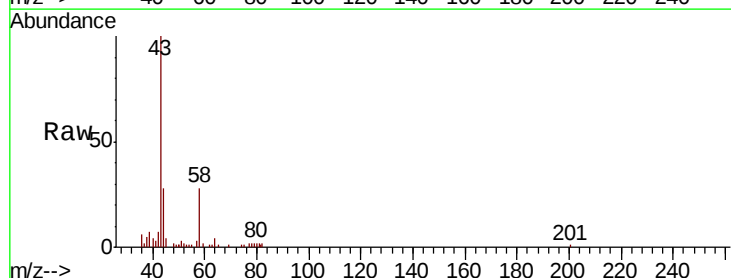
Acq: 05 Oct 2018 04:57

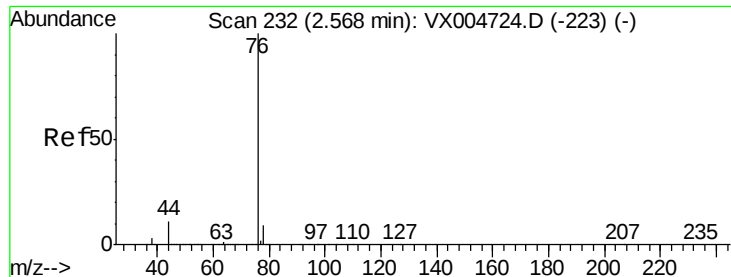
Tgt Ion: 43 Resp: 9626

Ion Ratio Lower Upper

43 100

58 28.7 21.8 32.6

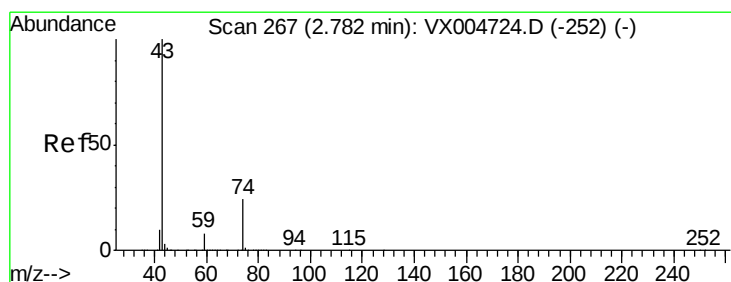
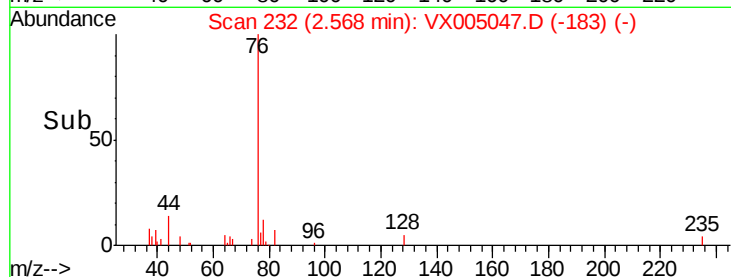
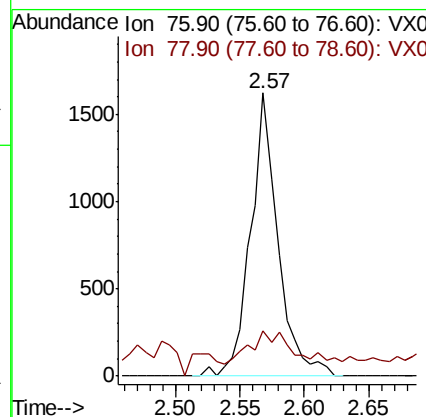
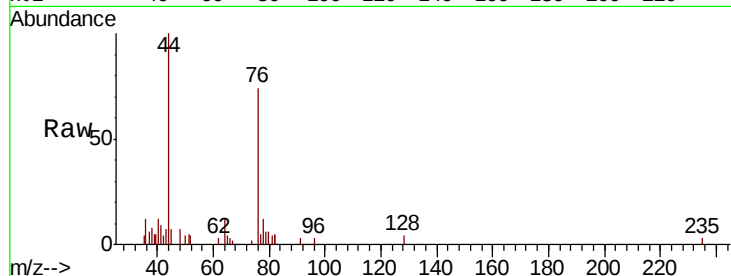




#17
Carbon Disulfide
Concen: 0.348 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005047.D
Acq: 05 Oct 2018 04:57

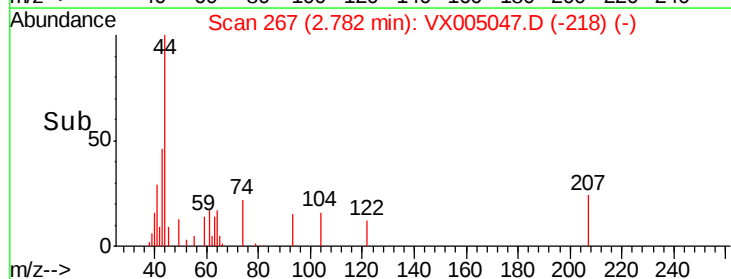
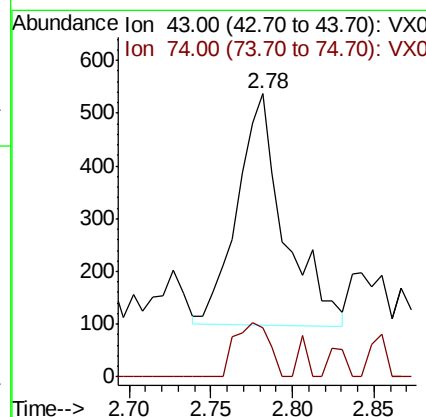
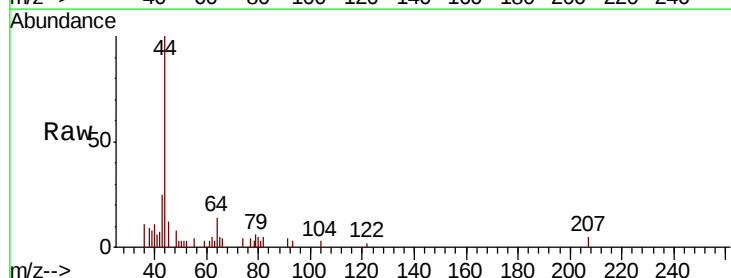
Instrument :
MSVOA_X
ClientSampleId :
TB-01-181002

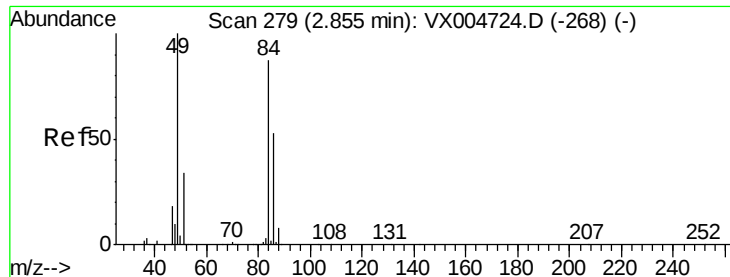
Tot Ion: 76 Resp: 2364
Ion Ratio Lower Upper
76 100
78 11.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005047.D
Acq: 05 Oct 2018 04:57

Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
74 17.2 17.8 26.8#

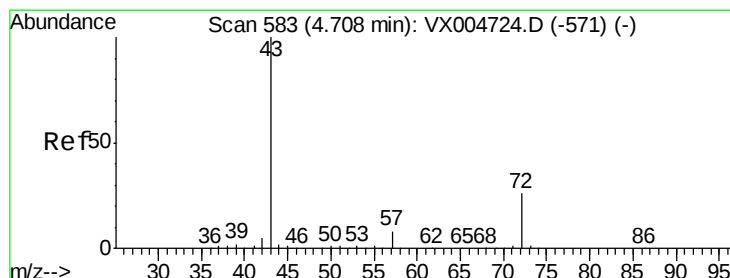
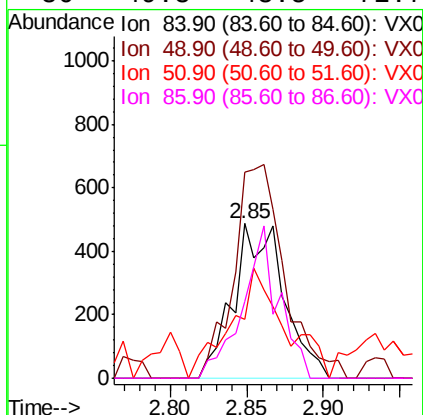
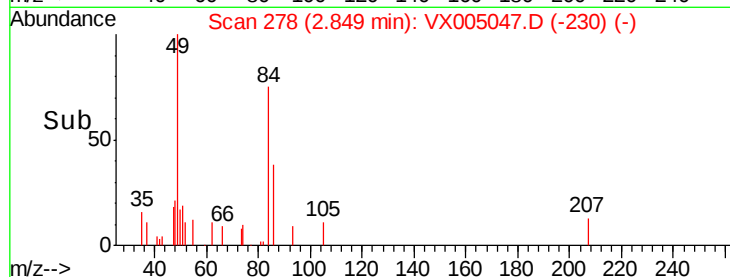
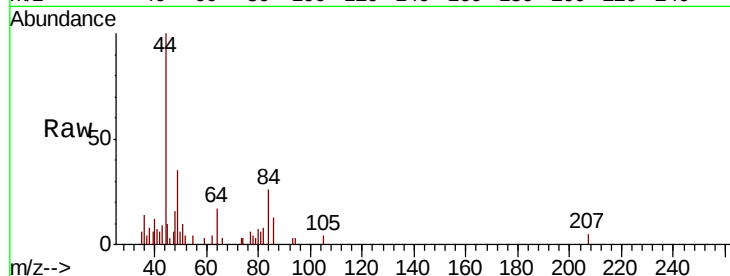




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX005047.D
Acq: 05 Oct 2018 04:57

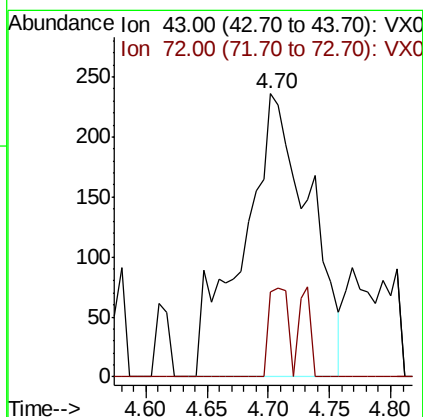
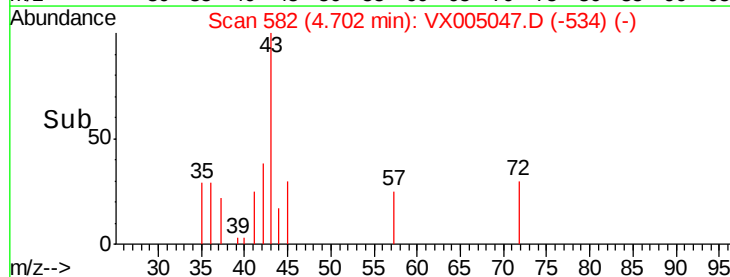
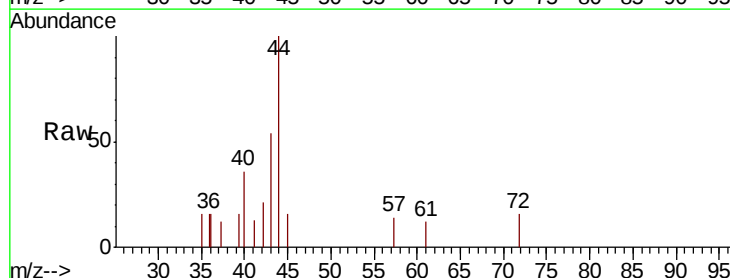
Instrument :
MSVOA_X
ClientSampleId :
TB-01-181002

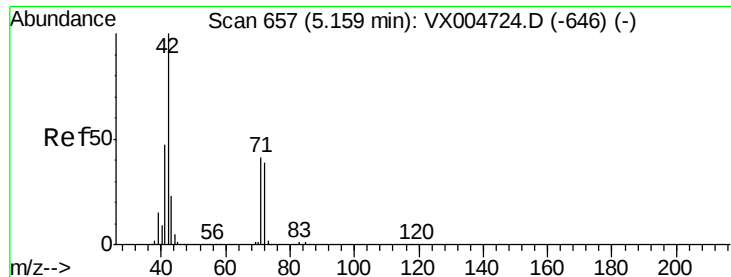
Tot Ion:	84	Resp:	1121
Ion	Ratio	Lower	Upper
84	100		
49	132.8	92.3	138.5
51	37.7	31.8	47.6
86	49.8	48.5	72.7



#25
2-Butanone
Concen: 0.348 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX005047.D
Acq: 05 Oct 2018 04:57

Tgt Ion:	43	Resp:	891
Ion	Ratio	Lower	Upper
43	100		
72	30.1	20.8	31.2





#29

Tetrahydrofuran

Concen: 0.564 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181002

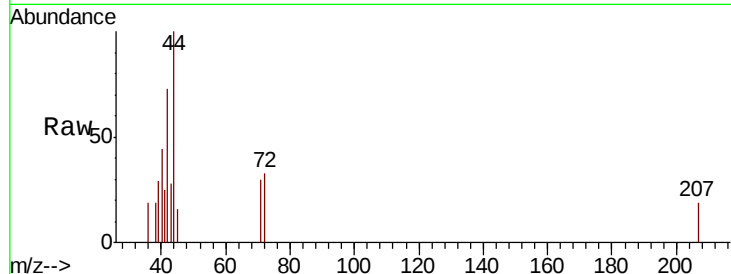
Tot Ion: 42 Resp: 899

Ion Ratio Lower Upper

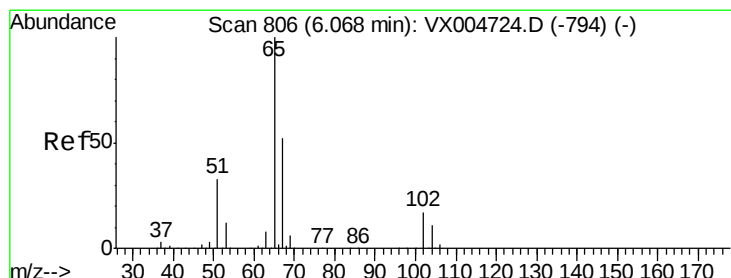
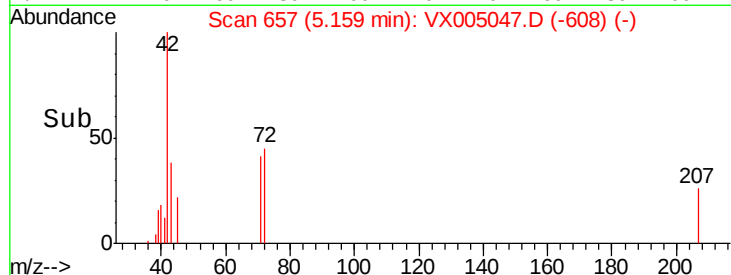
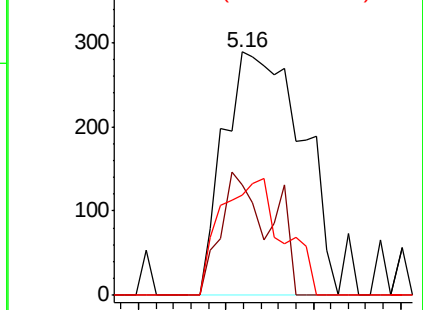
42 100

72 32.1 33.7 50.5#

71 38.0 32.2 48.4



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



#33

1,2-Dichloroethane-d4

Concen: 53.756 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005047.D

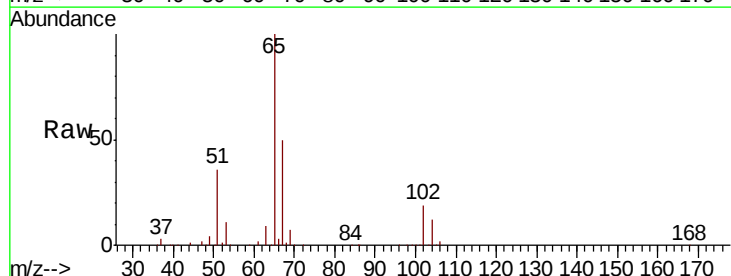
Acq: 05 Oct 2018 04:57

Tgt Ion: 65 Resp: 160159

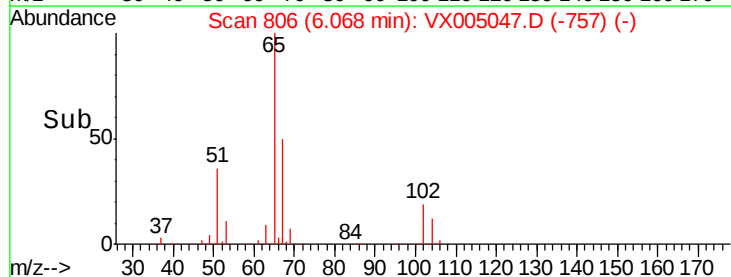
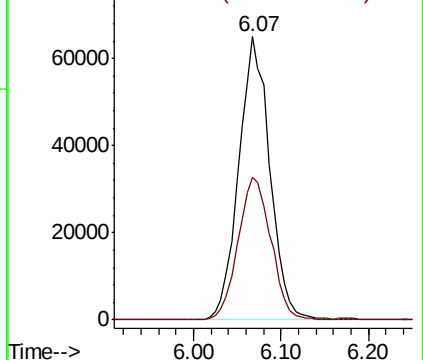
Ion Ratio Lower Upper

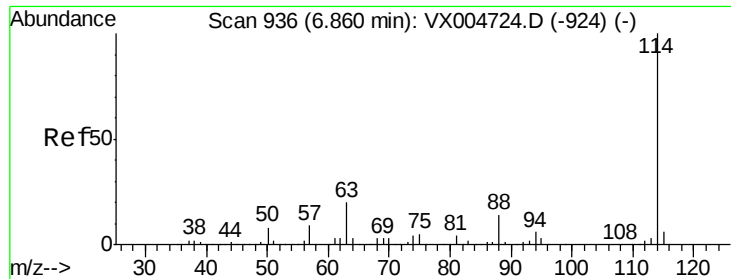
65 100

67 53.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

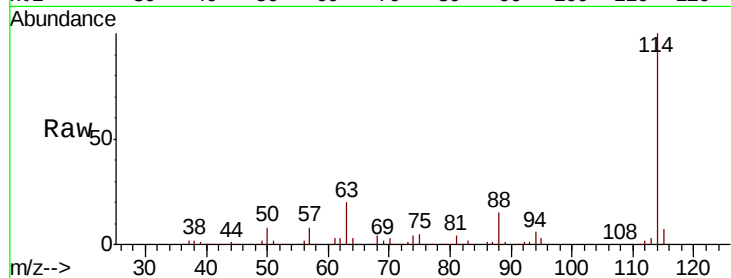




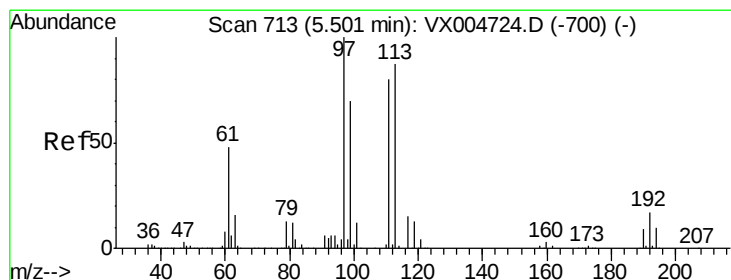
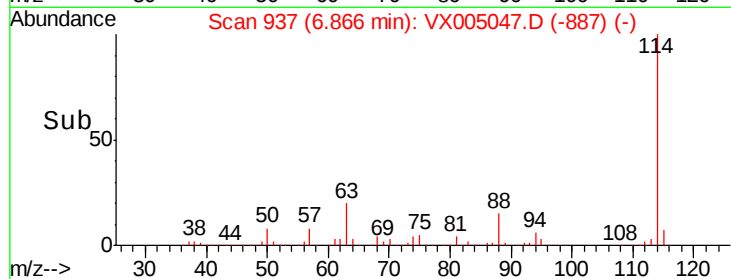
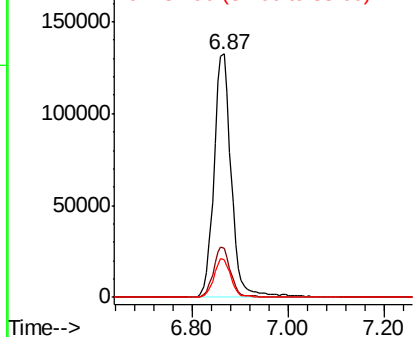
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005047.D
 Acq: 05 Oct 2018 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181002

Tot Ion:114 Resp: 332818
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.2 0.0 27.0

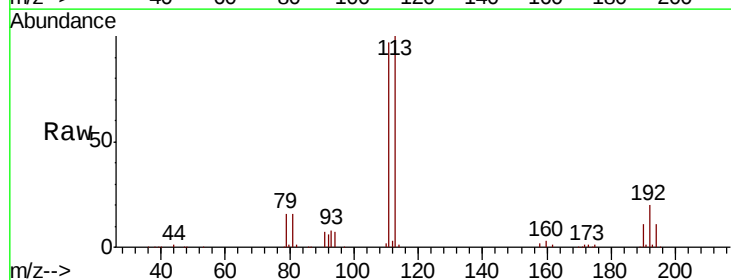


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

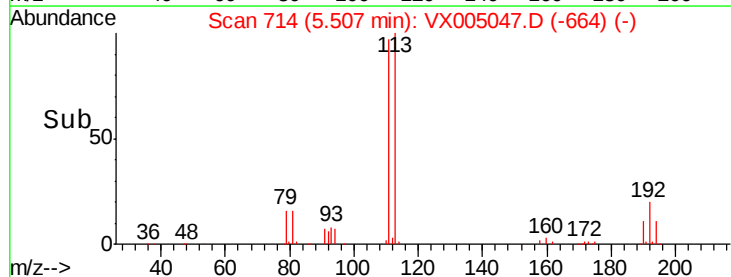
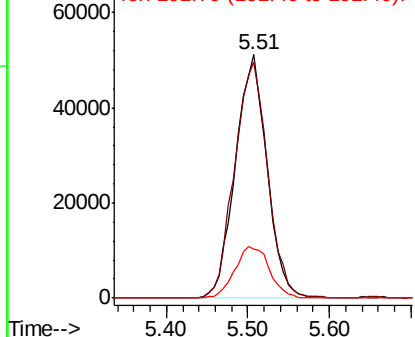


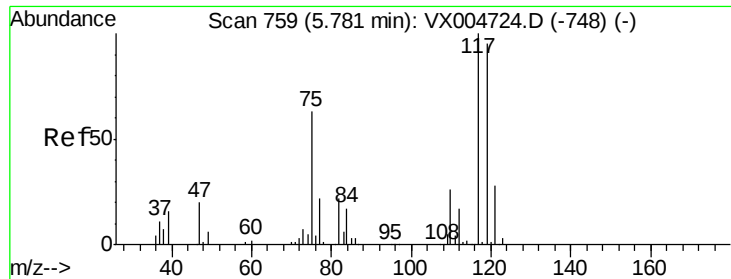
#35
 Dibromofluoromethane
 Concen: 48.774 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005047.D
 Acq: 05 Oct 2018 04:57

Tgt Ion:113 Resp: 137575
 Ion Ratio Lower Upper
 113 100
 111 101.5 77.0 115.4
 192 23.3 17.0 25.6



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





#38

Carbon Tetrachloride

Concen: 4.657 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181002

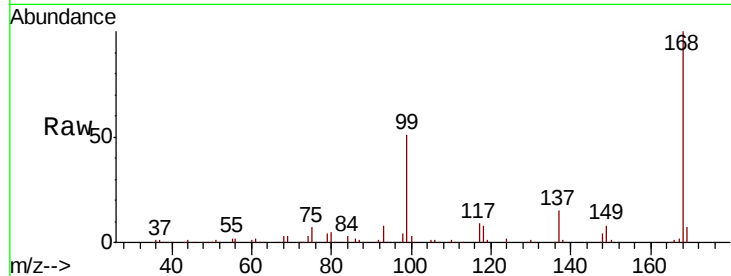
Tot Ion:117 Resp: 18839

Ion Ratio Lower Upper

117 100

119 6.6 75.2 112.8#

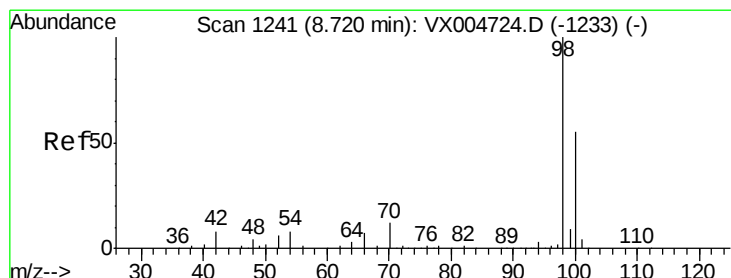
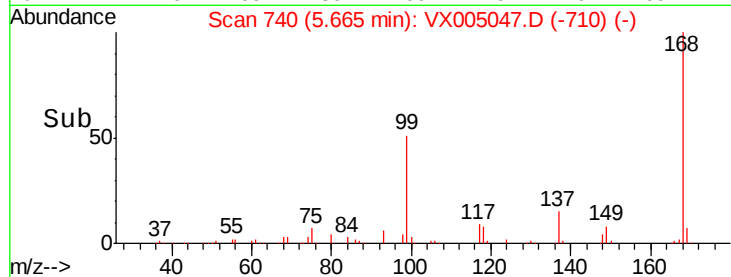
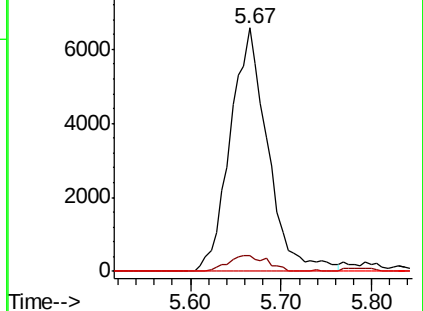
121 0.0 22.5 33.7#



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: 51.030 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005047.D

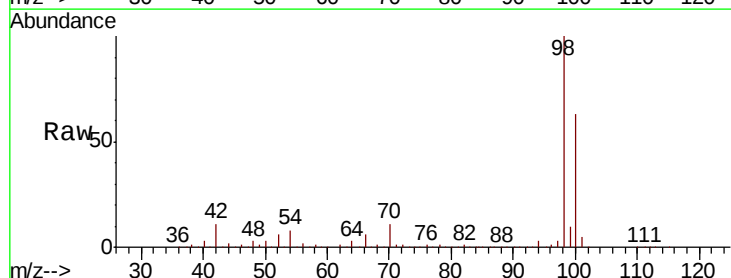
Acq: 05 Oct 2018 04:57

Tgt Ion: 98 Resp: 478527

Ion Ratio Lower Upper

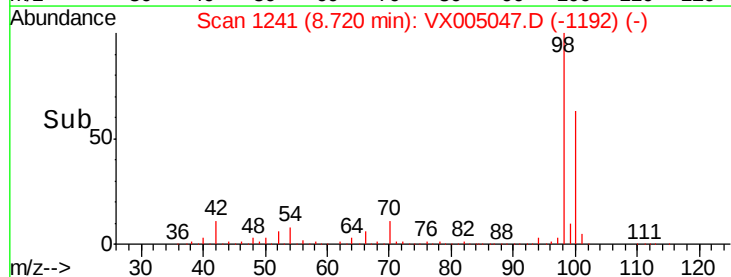
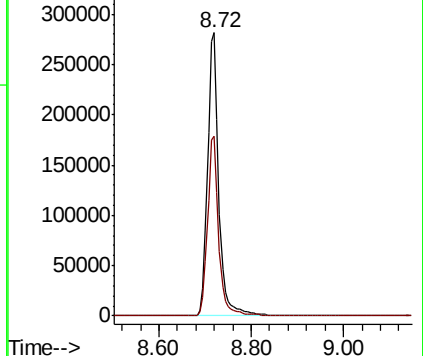
98 100

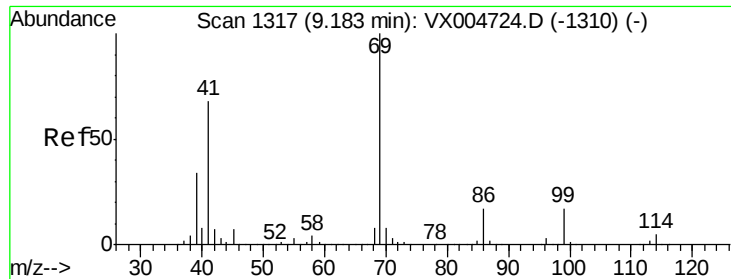
100 63.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.870 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampled :

TB-01-181002

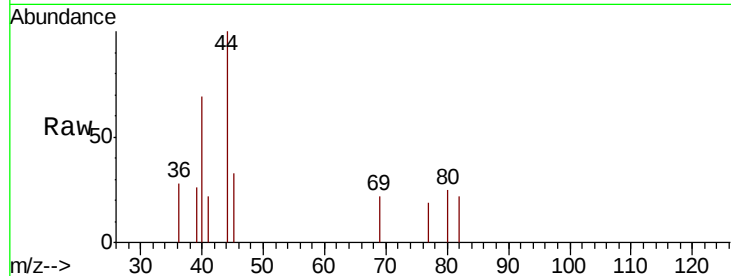
Tot Ion: 69 Resp: 42

Ion Ratio Lower Upper

69 100

41 119.0 56.9 85.3#

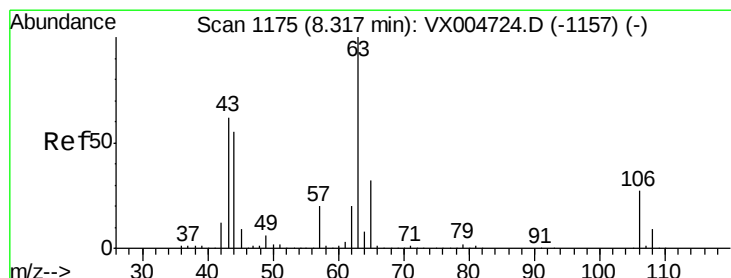
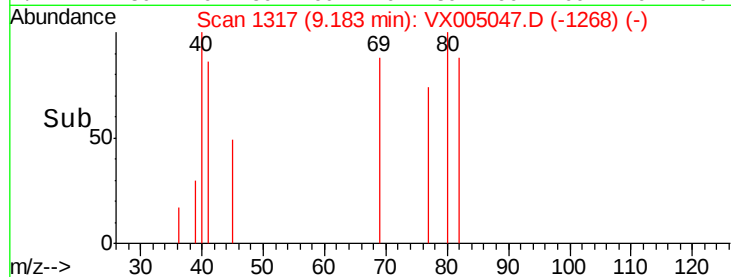
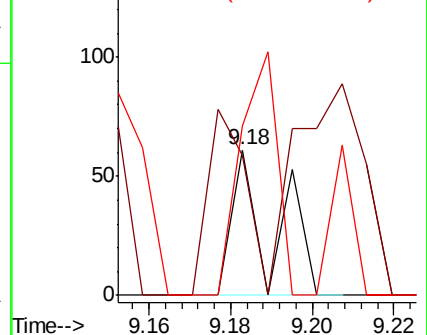
39 150.0 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.261 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX005047.D

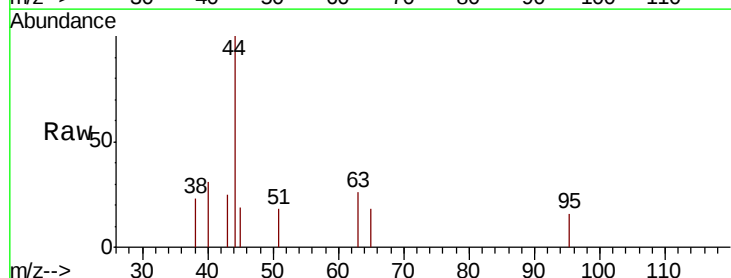
Acq: 05 Oct 2018 04:57

Tgt Ion: 63 Resp: 51

Ion Ratio Lower Upper

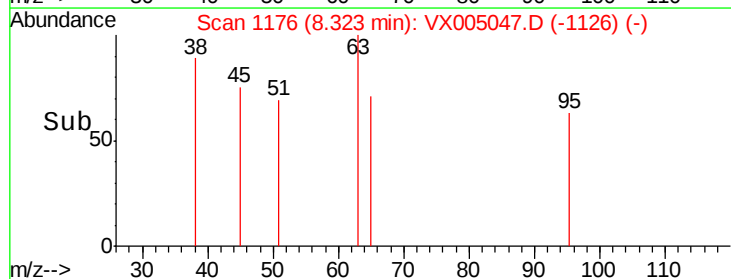
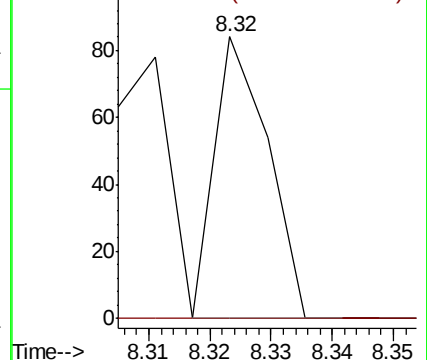
63 100

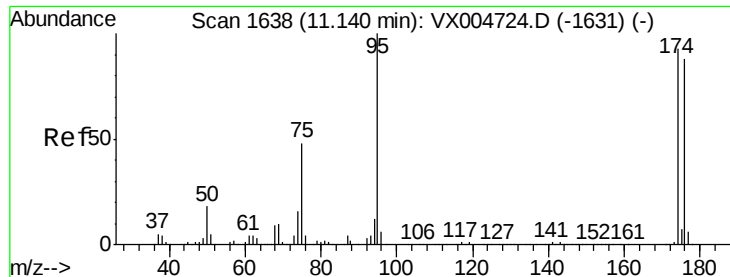
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

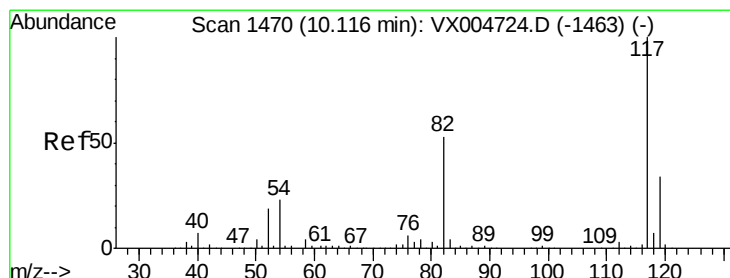
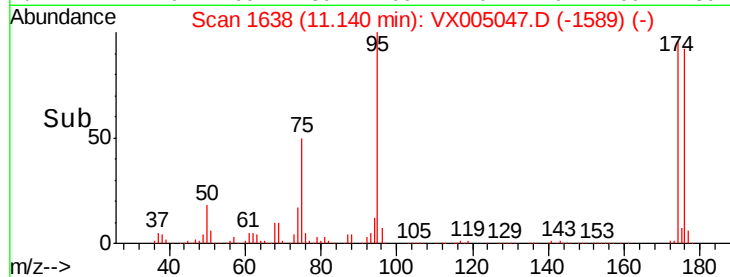
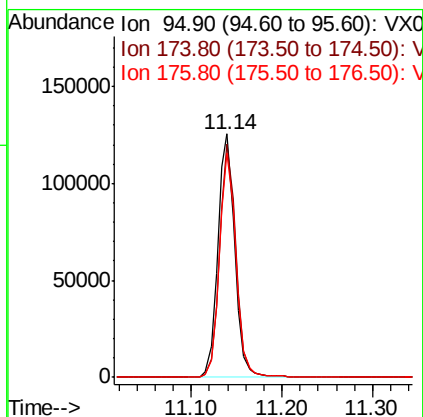
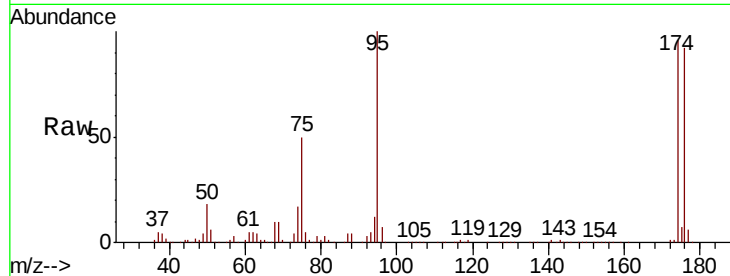




#62
4-Bromofluorobenzene
Concen: 48.466 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005047.D
Acq: 05 Oct 2018 04:57

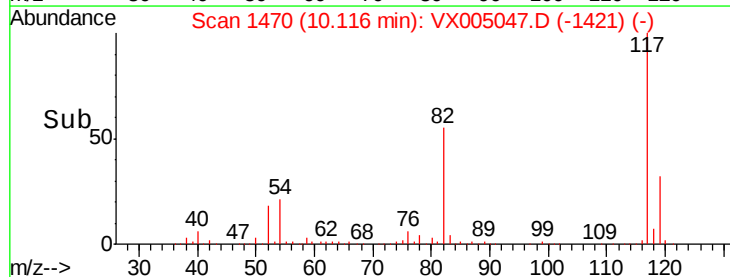
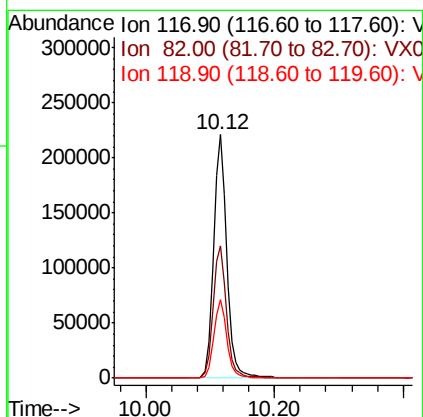
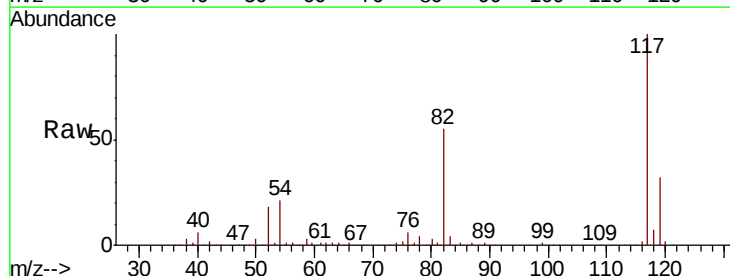
Instrument :
MSVOA_X
ClientSampleId :
TB-01-181002

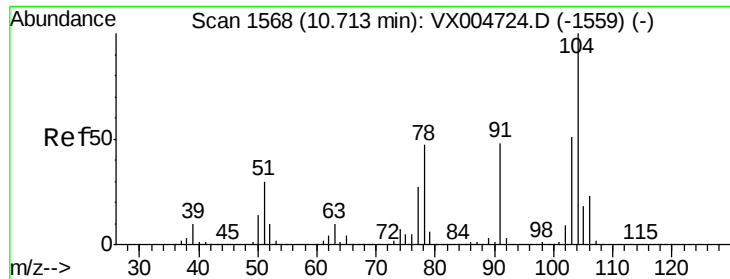
Tot Ion: 95 Resp: 163728
Ion Ratio Lower Upper
95 100
174 93.2 0.0 185.0
176 90.0 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005047.D
Acq: 05 Oct 2018 04:57

Tgt Ion: 117 Resp: 319245
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 32.2 27.4 41.0





#70

Stvrene

Concen: 2.182 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181002

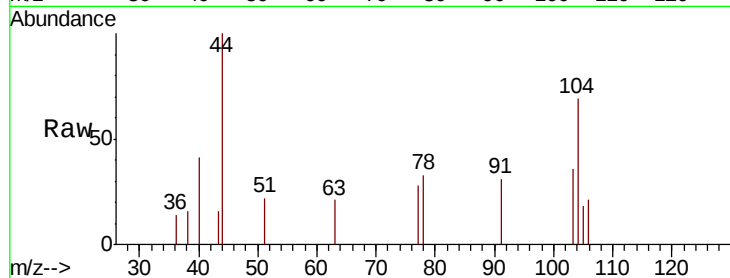
Tot Ion:104 Resp: 377

Ion Ratio Lower Upper

104 100

78 70.8 40.0 60.0#

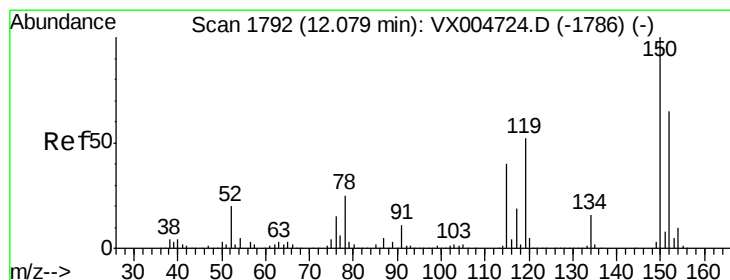
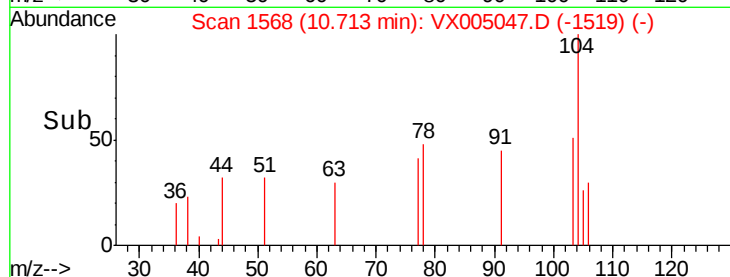
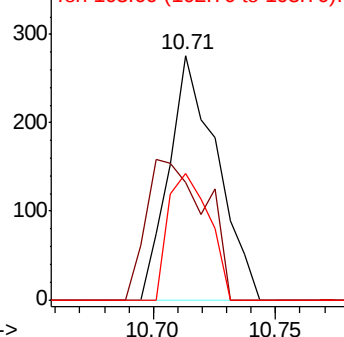
103 44.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX005047.D

Acq: 05 Oct 2018 04:57

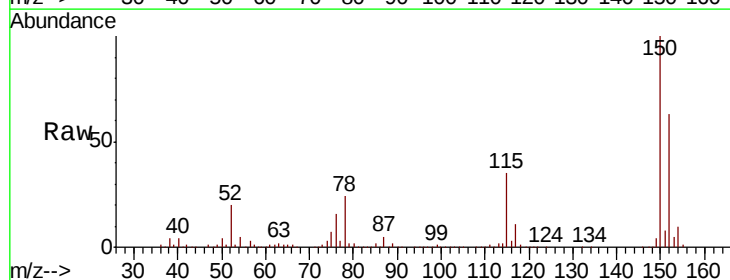
Tgt Ion:152 Resp: 168001

Ion Ratio Lower Upper

152 100

115 55.8 40.2 120.6

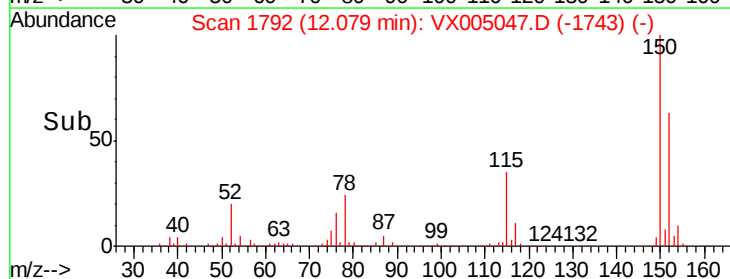
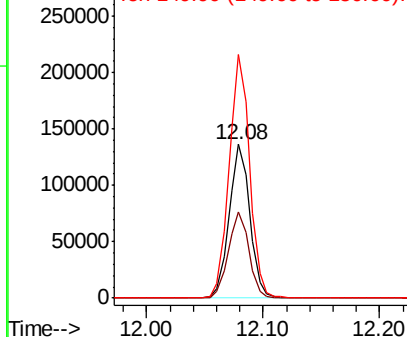
150 157.3 0.0 351.0

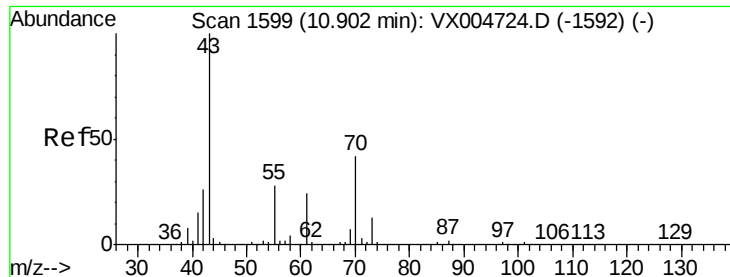


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.780 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampled :

TB-01-181002

Tot Ion: 43 Resp: 196

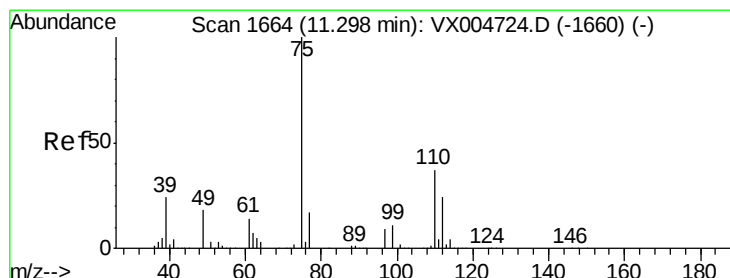
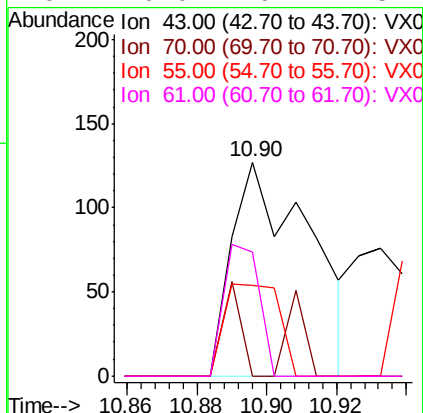
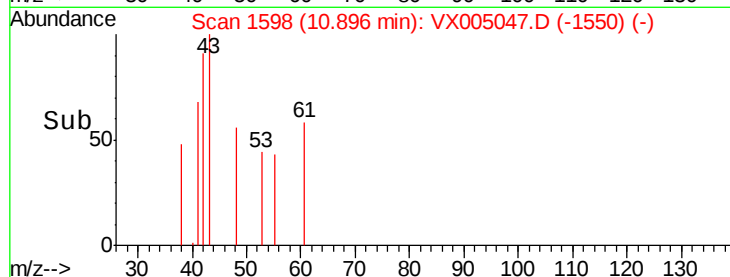
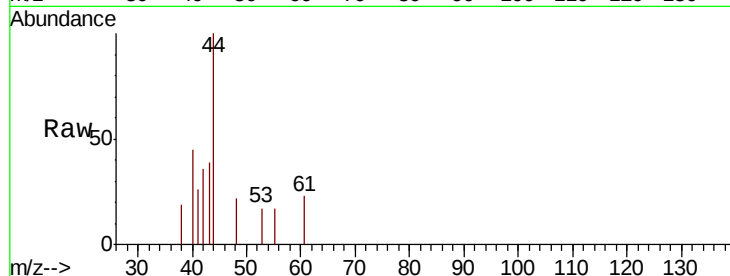
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 30.1 21.6 32.4

61 0.0 19.1 28.7#



#76

1,2,3-Trichloropropane

Concen: 21.765 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005047.D

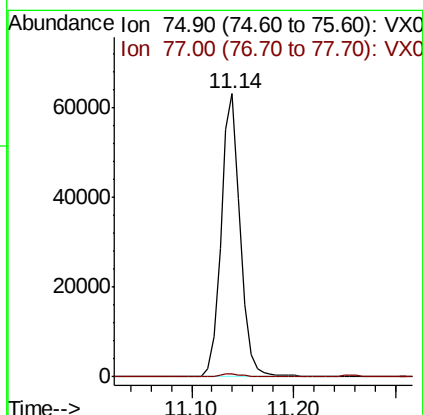
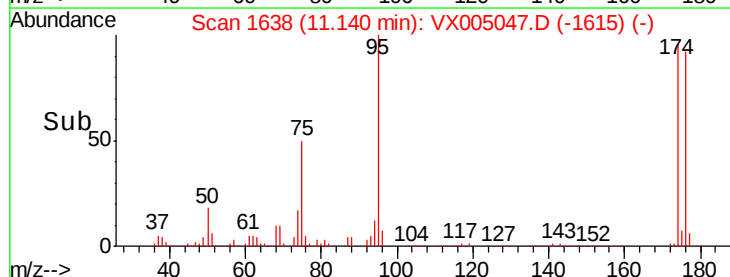
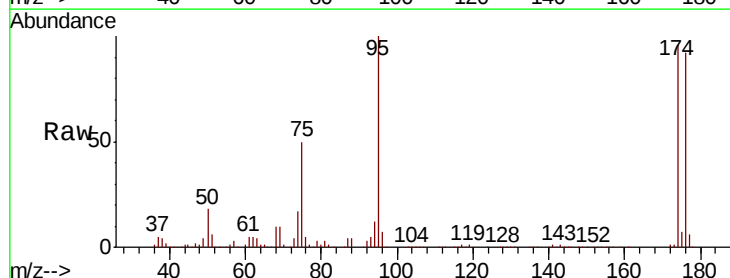
Acq: 05 Oct 2018 04:57

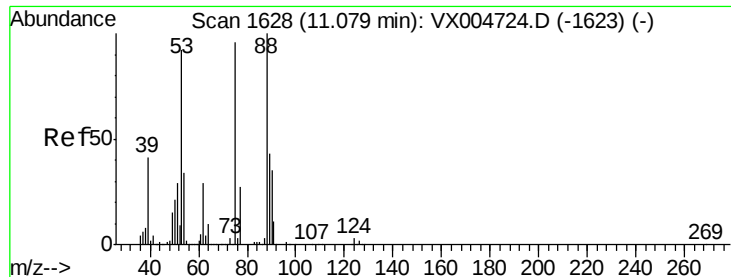
Tgt Ion: 75 Resp: 81957

Ion Ratio Lower Upper

75 100

77 1.4 21.4 64.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 58.990 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181002

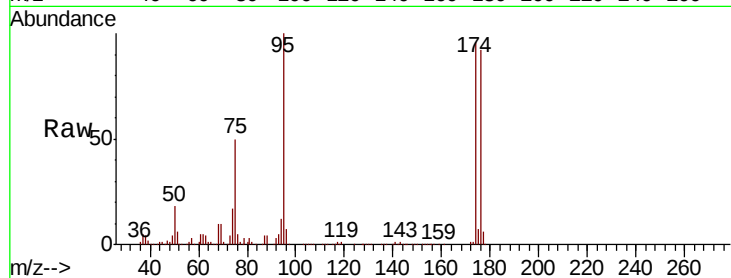
Tot Ion: 75 Resp: 81957

Ion Ratio Lower Upper

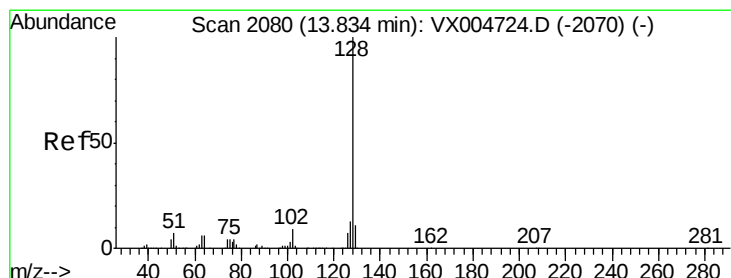
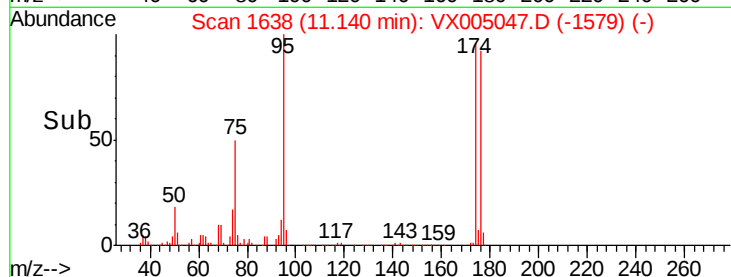
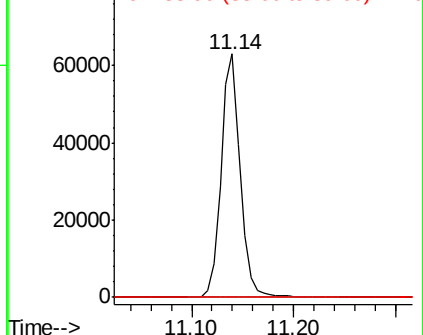
75 100

53 0.3 80.2 120.4#

89 0.0 37.1 55.7#



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



#95

Naphthalene

Concen: 0.864 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005047.D

Acq: 05 Oct 2018 04:57

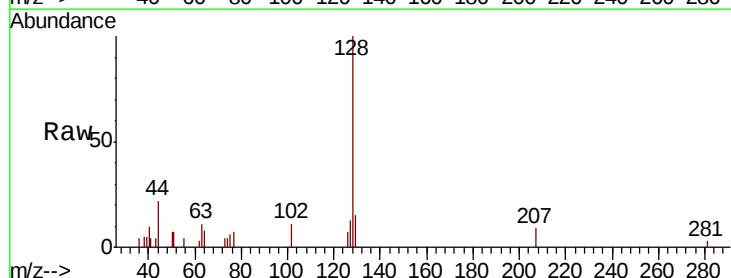
Tgt Ion: 128 Resp: 2055

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

129 10.6 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

