

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004735.D
 Acq On : 26 Sep 2018 19:15
 Operator : JC/MD
 Sample : J5060-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Sep 27 01:13:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203057	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	185621	54.98	ug/l	0.00
Spiked Amount						
			Recovery	=	109.96%	
35) Dibromofluoromethane	5.50	113	155026	50.13	ug/l	0.00
Spiked Amount						
			Recovery	=	100.26%	
50) Toluene-d8	8.72	98	529748	51.53	ug/l	0.00
Spiked Amount						
			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.14	95	190844	51.53	ug/l	0.00
Spiked Amount						
			Recovery	=	103.06%	

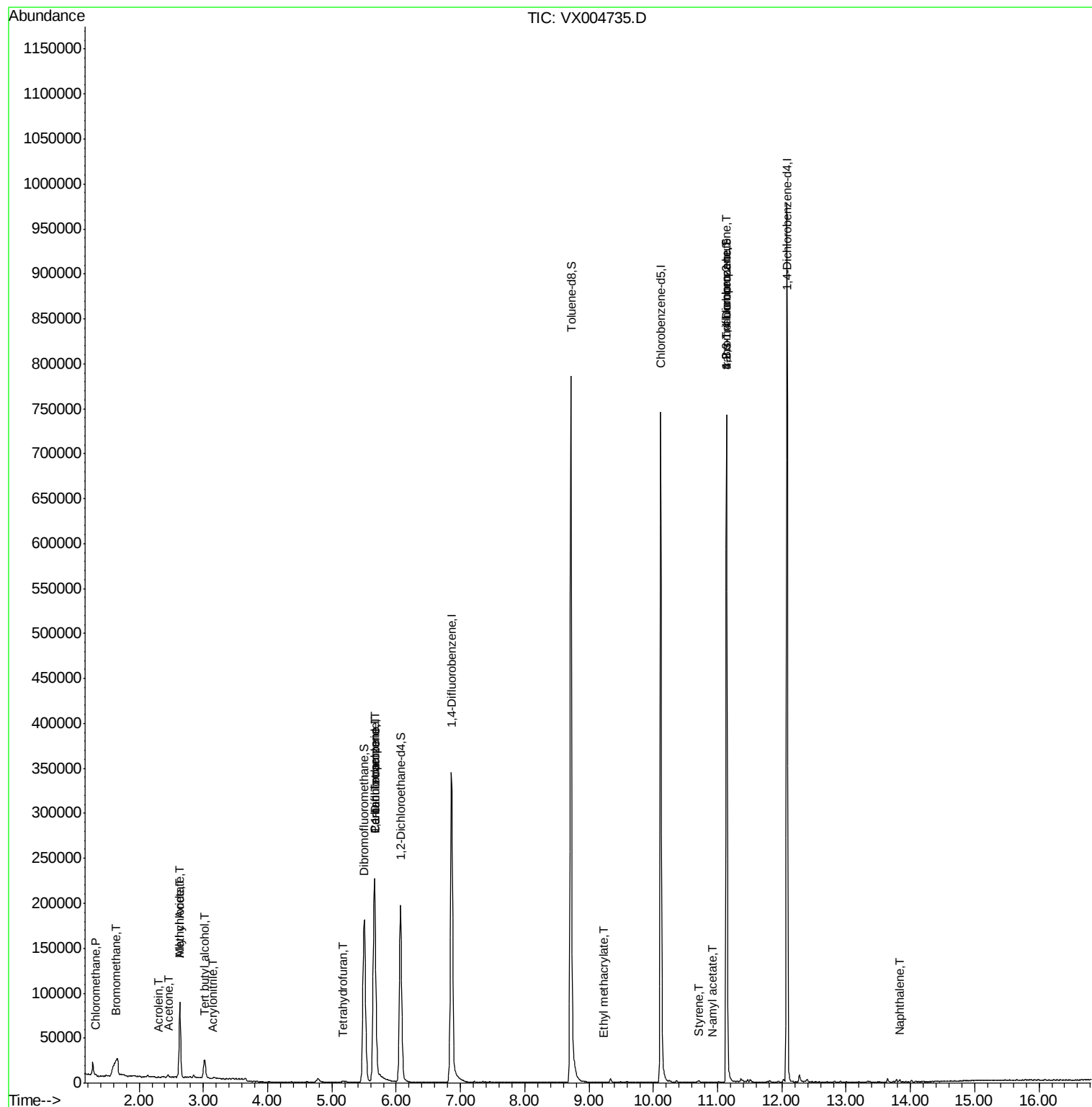
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1045	0.267	ug/l #	88
5) Bromomethane	1.64	94	1762	0.810	ug/l	93
6) Chloroethane	1.67	64	3528	Below Cal	#	48
11) Tert butyl alcohol	3.01	59	13884	14.707	ug/l #	76
13) Acrolein	2.30	56	330	0.491	ug/l	99
14) Allyl chloride	2.64	41	8375	1.499	ug/l #	64
15) Acrylonitrile	3.15	53	462	0.222	ug/l #	85
16) Acetone	2.45	43	2950	1.497	ug/l	94
18) Methyl Acetate	2.63	43	21829	4.371	ug/l #	51
20) Methylene Chloride	2.85	84	1322	Below Cal	#	75
29) Tetrahydrofuran	5.17	42	928	0.514	ug/l #	66
36) 1,1-Dichloropropene	5.66	75	16684	3.954	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22747	5.129	ug/l #	16
56) Ethyl methacrylate	9.23	69	19	2.866	ug/l #	1
70) Styrene	10.71	104	450	2.184	ug/l #	91
74) N-amyl acetate	10.91	43	219	1.778	ug/l #	46
76) 1,2,3-Trichloropropane	11.14	75	96178	21.132	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	600	Below Cal		97
81) trans-1,4-Dichloro-2-buten	11.14	75	96178	57.332	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	912	Below Cal		90
95) Naphthalene	13.83	128	1365	0.799	ug/l #	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

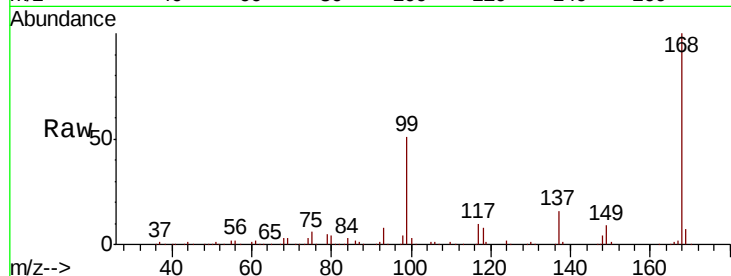
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 236357

Ion Ratio Lower Upper

168 100

99 50.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

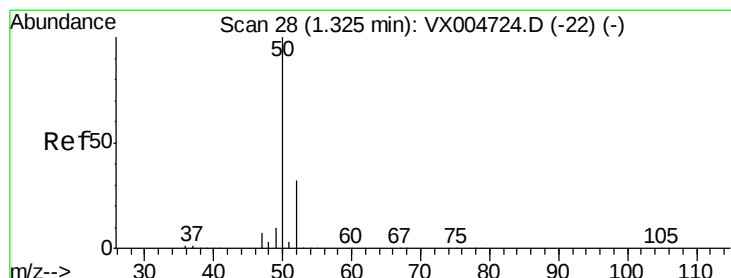
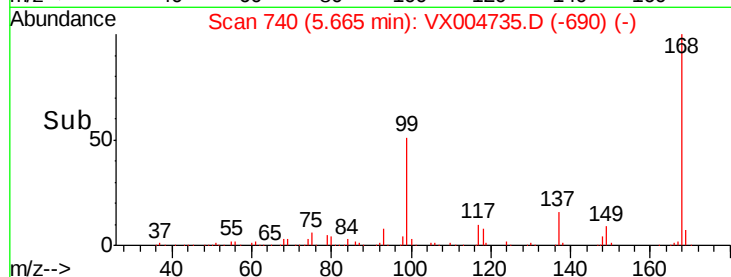
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004735.D

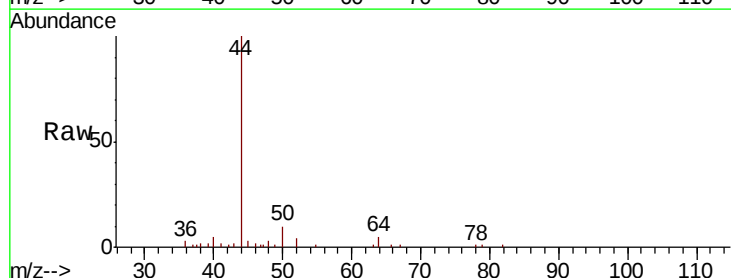
Acq: 26 Sep 2018 19:15

Tgt Ion: 50 Resp: 1045

Ion Ratio Lower Upper

50 100

52 39.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

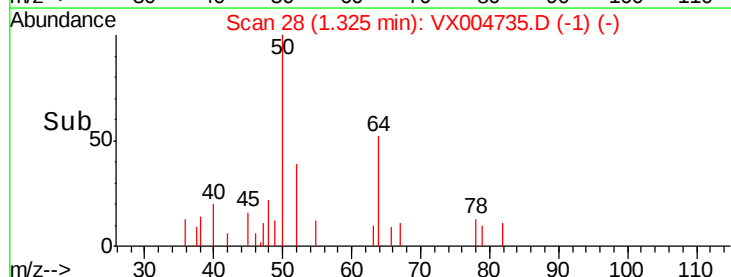
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.810 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

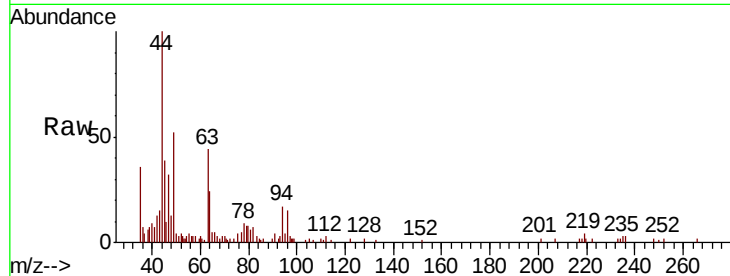
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 1762

Ion Ratio Lower Upper

94 100

96 86.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

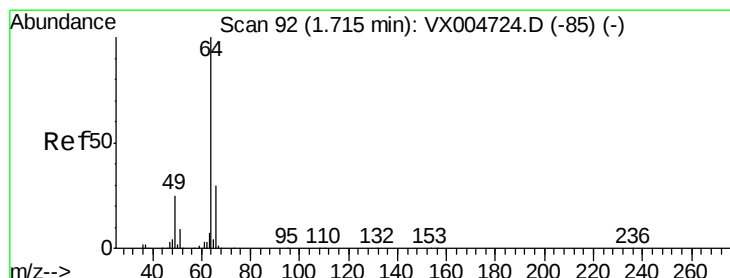
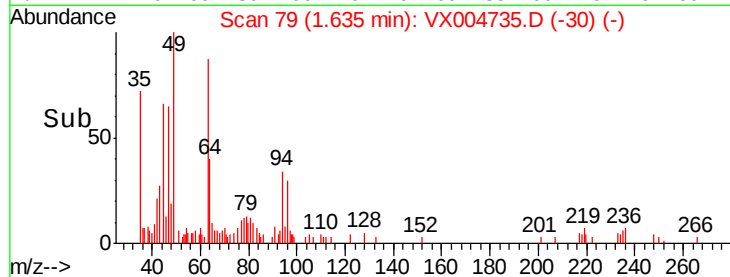
600

400

200

0

Time--> 1.50 1.60 1.70



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX004735.D

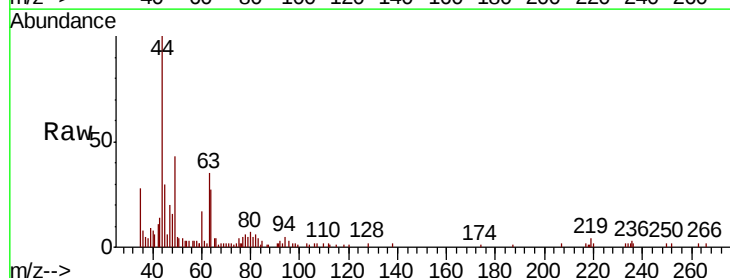
Acq: 26 Sep 2018 19:15

Tgt Ion: 64 Resp: 3528

Ion Ratio Lower Upper

64 100

66 2.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

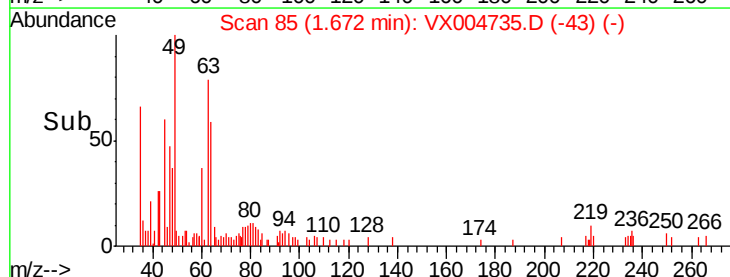
1.67

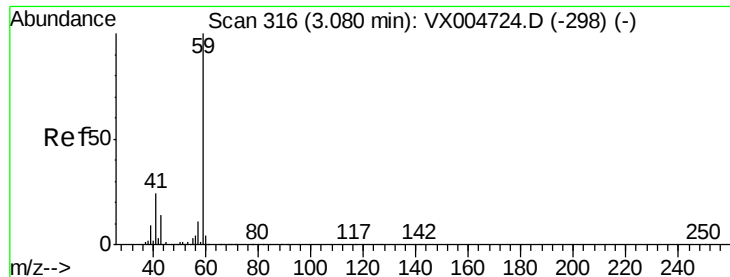
1000

500

0

Time--> 1.55 1.60 1.65 1.70





#11

Tert butyl alcohol

Concen: 14.707 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

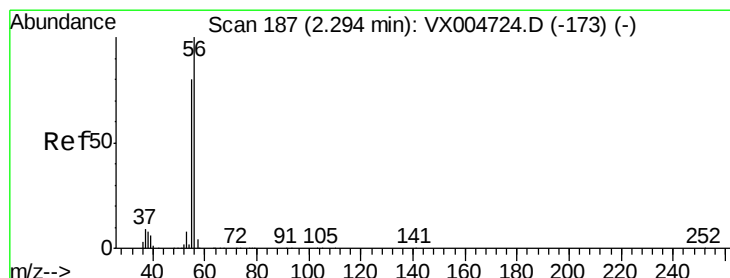
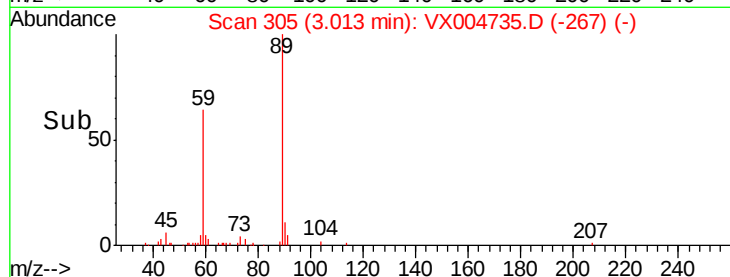
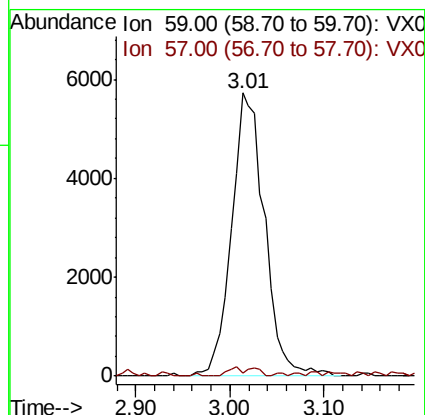
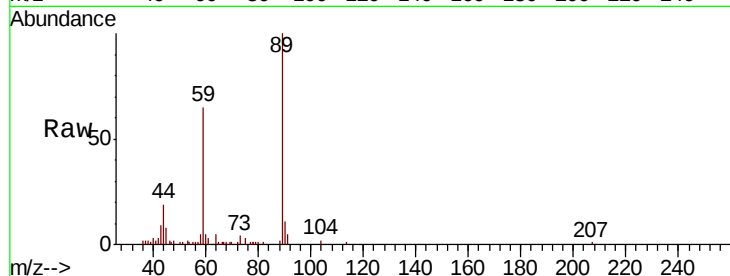
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 59 Resp: 13884

Ion Ratio Lower Upper

59 100

57 1.3 8.2 12.4#



#13

Acrolein

Concen: 0.491 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004735.D

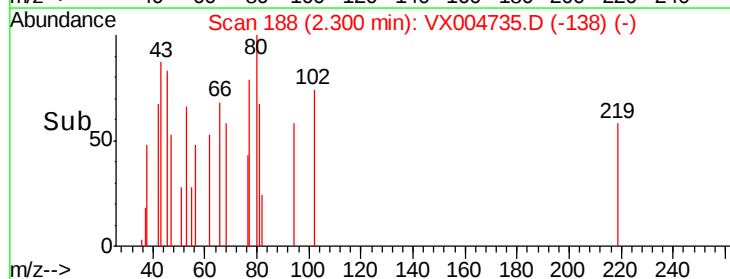
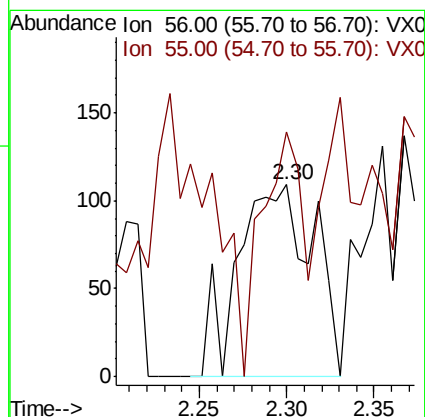
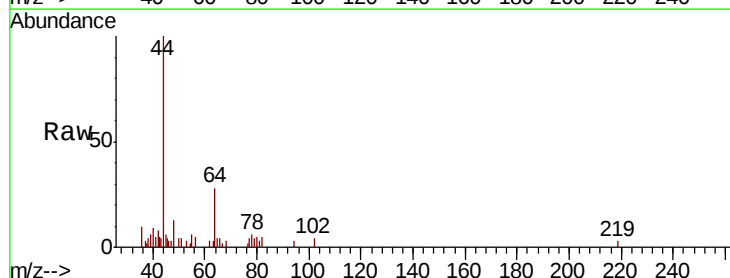
Acq: 26 Sep 2018 19:15

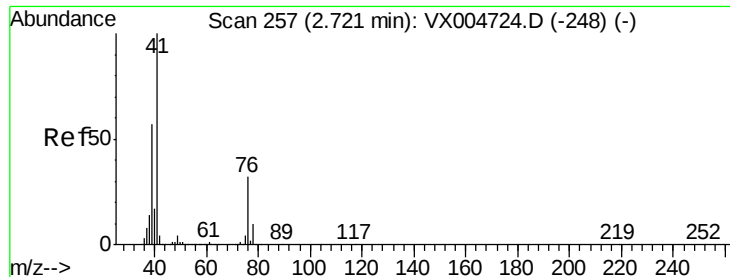
Tgt Ion: 56 Resp: 330

Ion Ratio Lower Upper

56 100

55 67.6 54.7 82.1

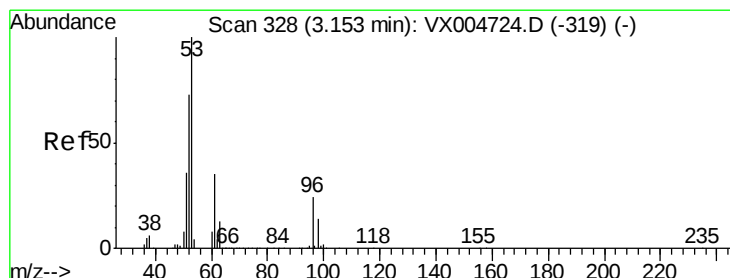
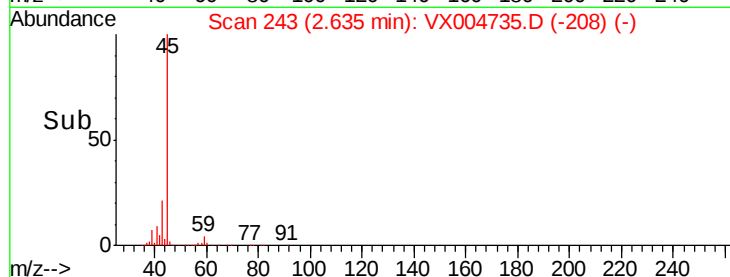
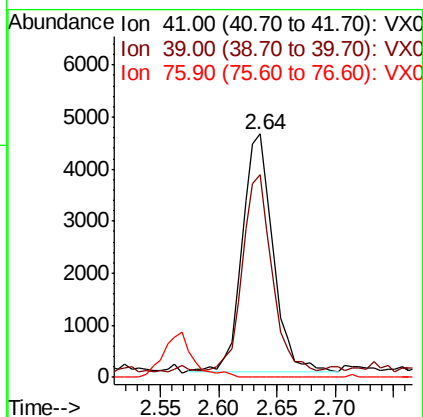
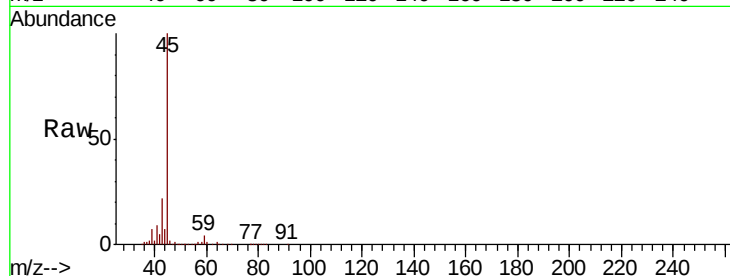




#14
Allvl chloride
Concen: 1.499 ug/l
RT: 2.64 min Scan# 243
Delta R.T. -0.09 min
Lab File: VX004735.D
Acq: 26 Sep 2018 19:15

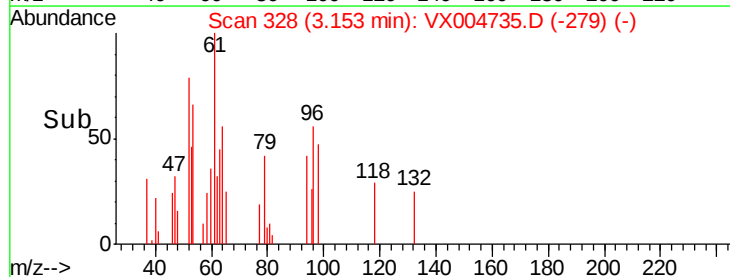
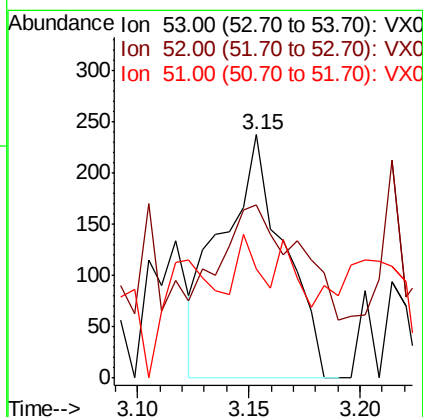
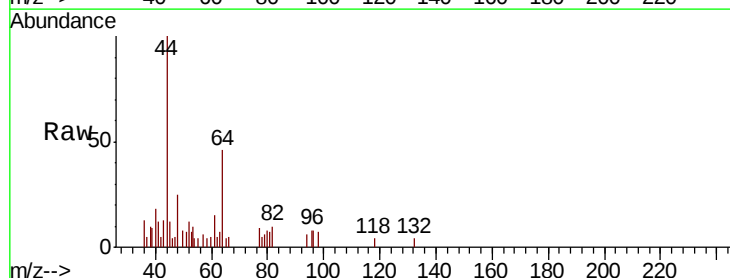
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

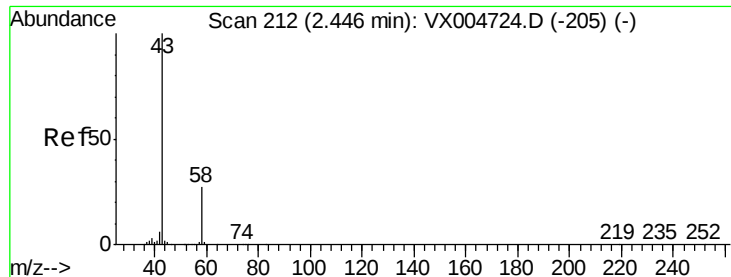
Tot Ion: 41 Resp: 8375
Ion Ratio Lower Upper
41 100
39 78.8 48.9 73.3#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 0.222 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.00 min
Lab File: VX004735.D
Acq: 26 Sep 2018 19:15

Tgt Ion: 53 Resp: 462
Ion Ratio Lower Upper
53 100
52 82.0 65.2 97.8
51 7.1 28.2 42.2#





#16

Acetone

Concen: 1.497 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

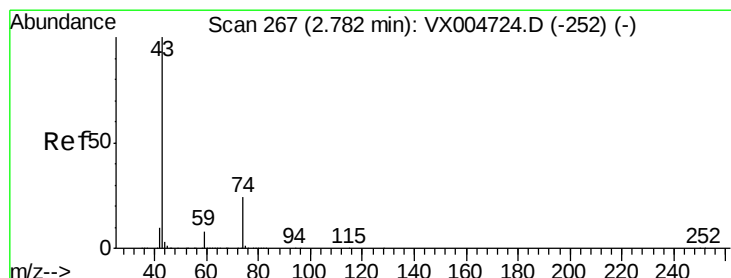
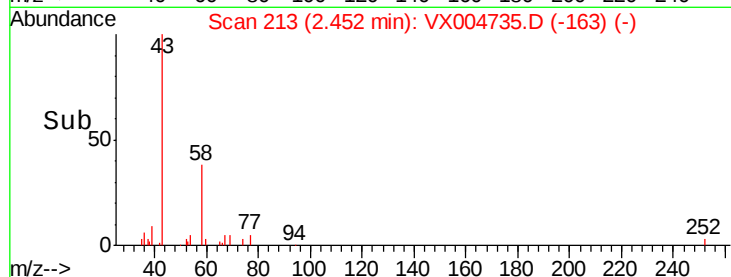
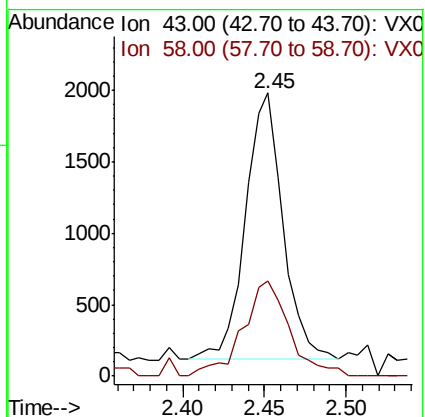
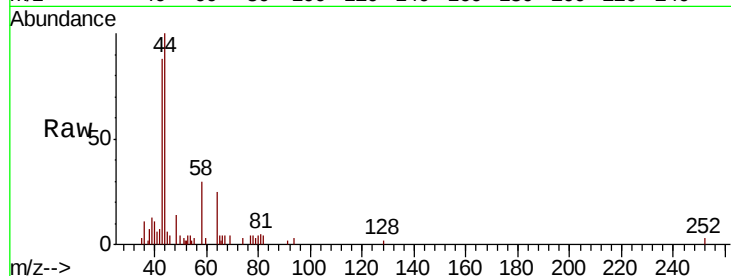
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

58 36.1 26.2 39.4



#18

Methyl Acetate

Concen: 4.371 ug/l

RT: 2.63 min Scan# 242

Delta R.T. -0.15 min

Lab File: VX004735.D

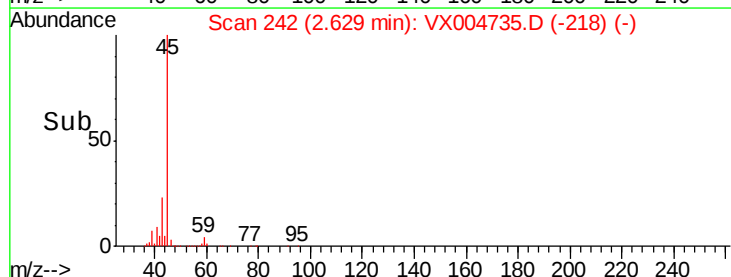
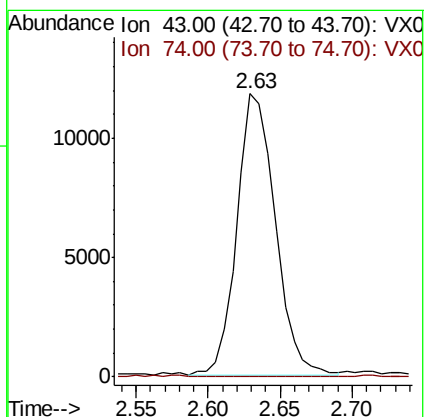
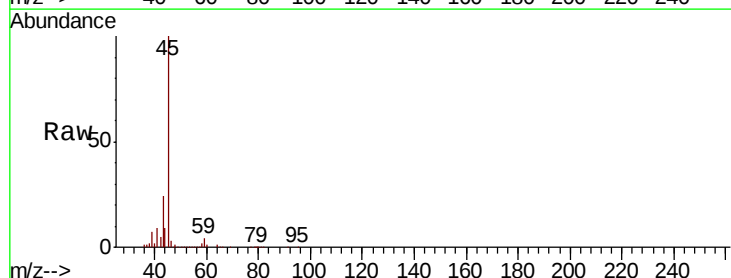
Acq: 26 Sep 2018 19:15

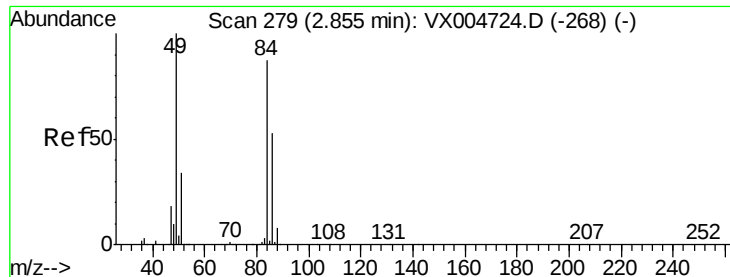
Tgt Ion: 43 Resp: 21829

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 84 Resp: 1322

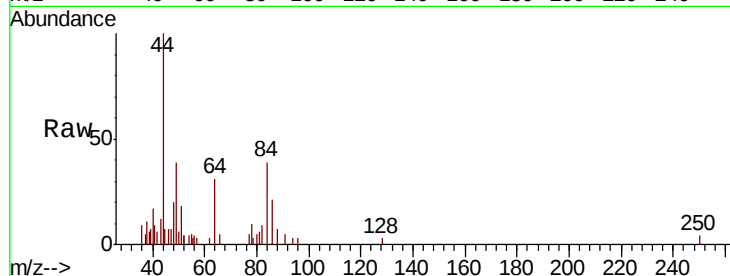
Ion Ratio Lower Upper

84 100

49 87.2 101.2 151.8#

51 33.2 29.5 44.3

86 52.6 52.3 78.5

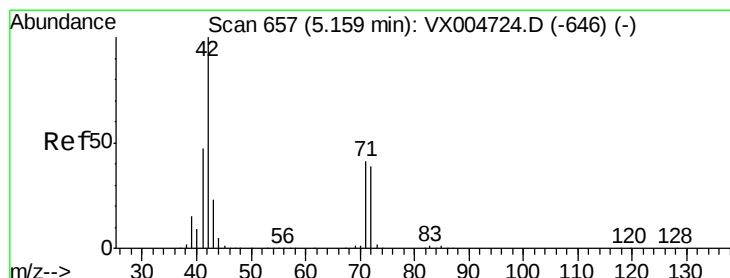
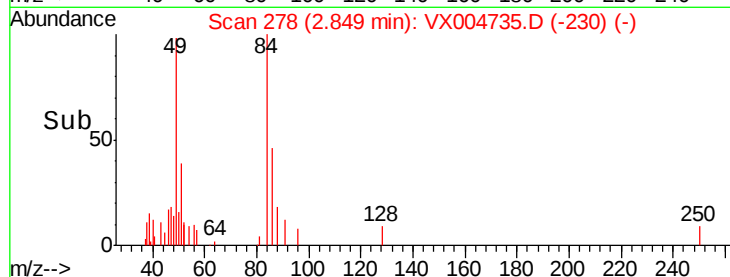
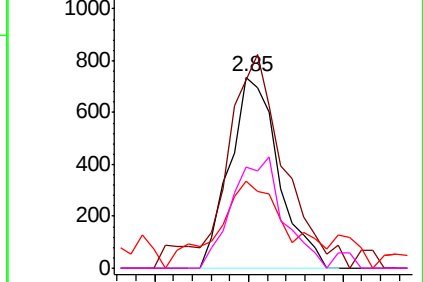


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.514 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

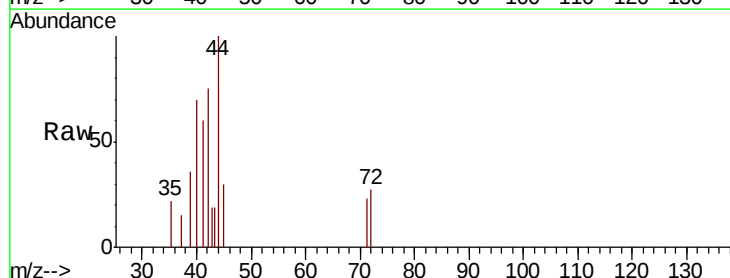
Tgt Ion: 42 Resp: 928

Ion Ratio Lower Upper

42 100

72 29.6 37.4 56.0#

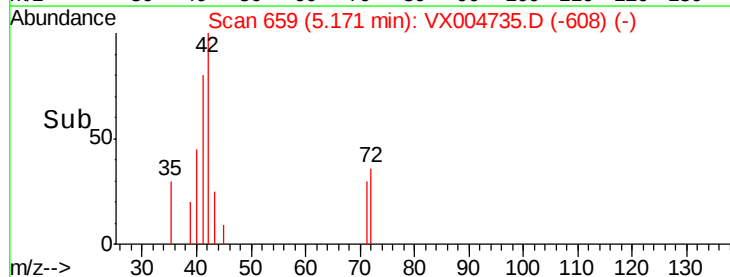
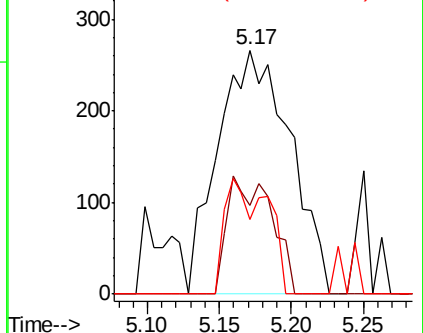
71 16.2 34.5 51.7#

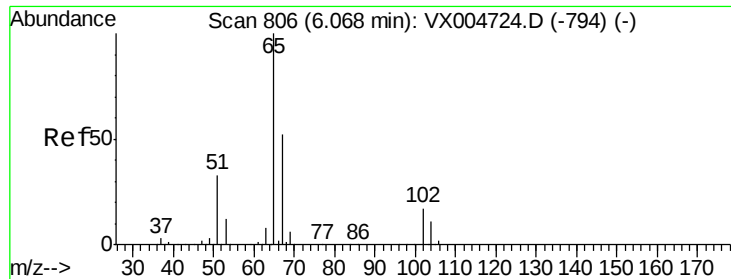


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.977 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

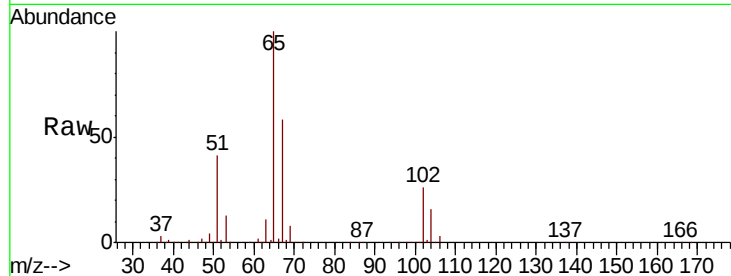
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 185621

Ion Ratio Lower Upper

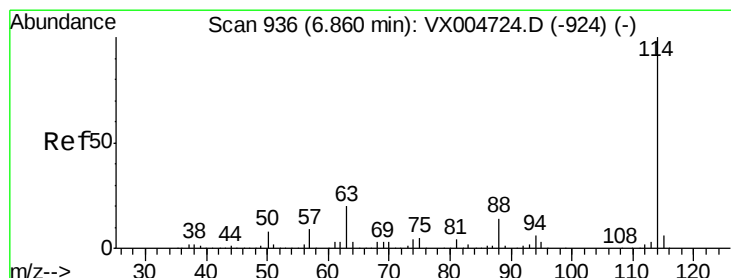
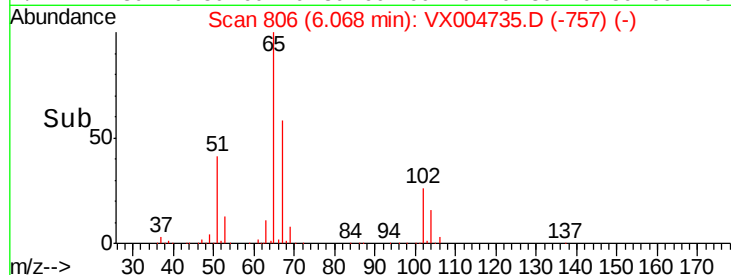
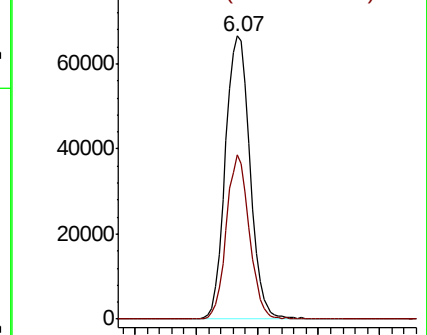
65 100

67 54.0 0.0 106.8



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

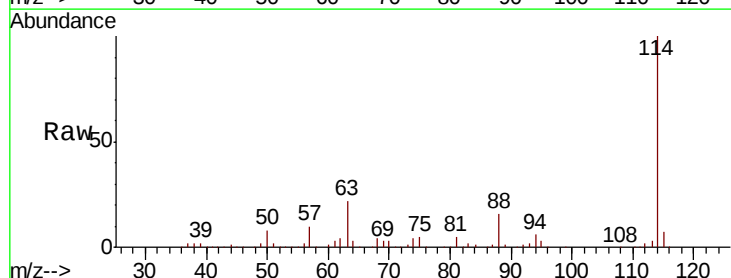
Tgt Ion: 114 Resp: 364888

Ion Ratio Lower Upper

114 100

63 21.9 0.0 39.0

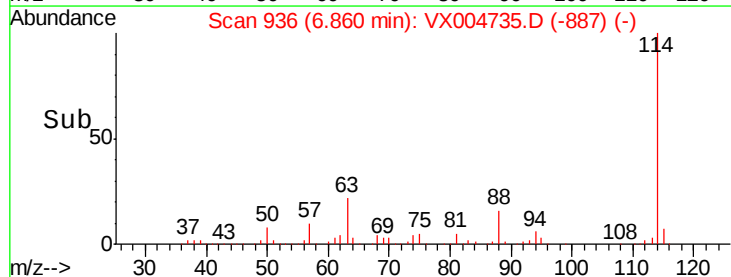
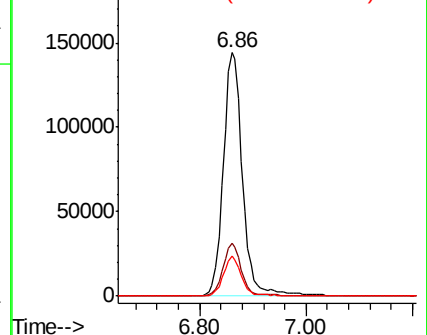
88 16.4 0.0 30.4

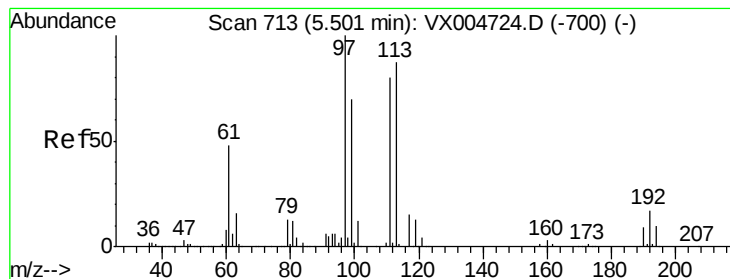


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.130 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

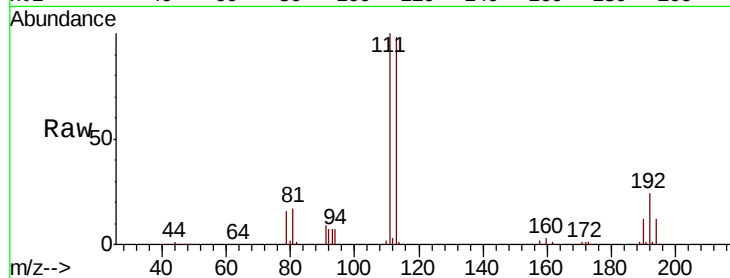
Tot Ion:113 Resp: 155026

Ion Ratio Lower Upper

113 100

111 106.8 82.4 123.6

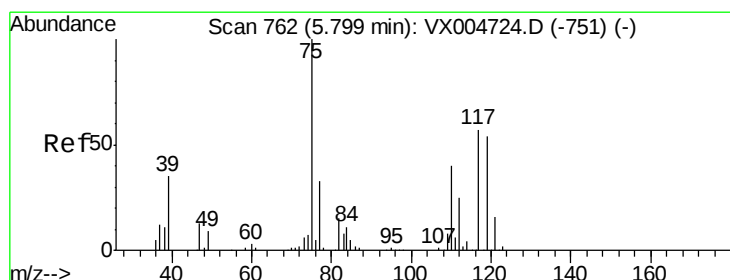
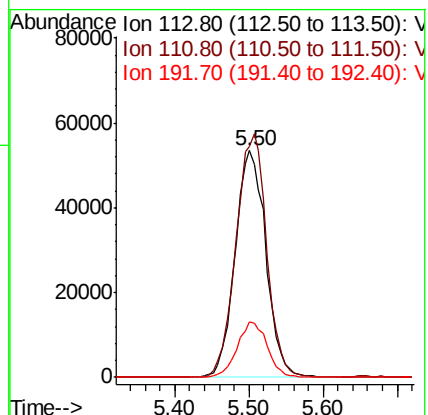
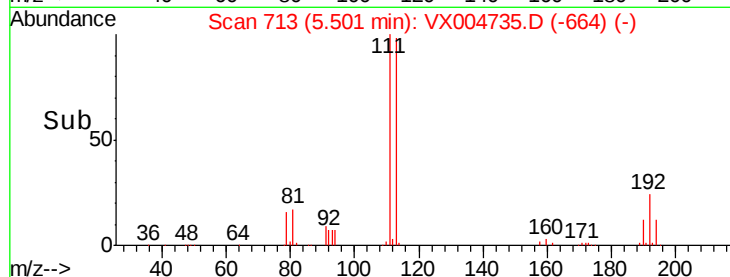
192 23.9 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.954 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

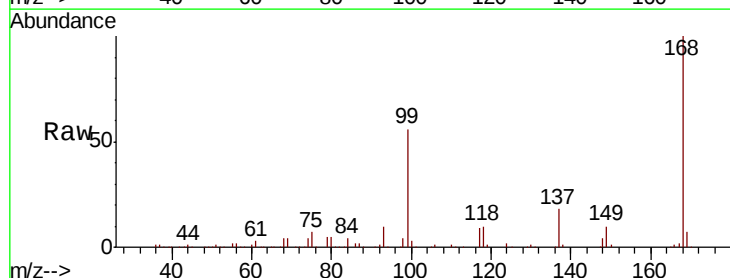
Tgt Ion: 75 Resp: 16684

Ion Ratio Lower Upper

75 100

110 8.8 18.0 54.0#

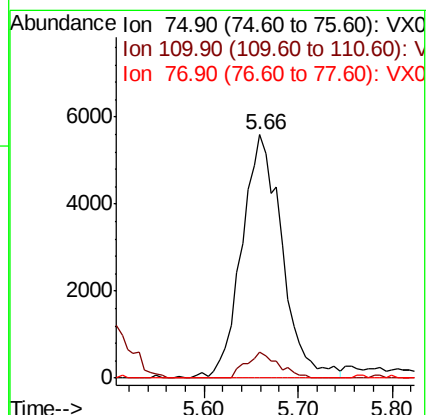
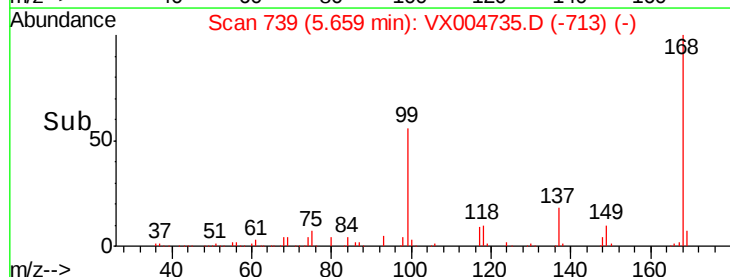
77 0.0 24.6 36.8#

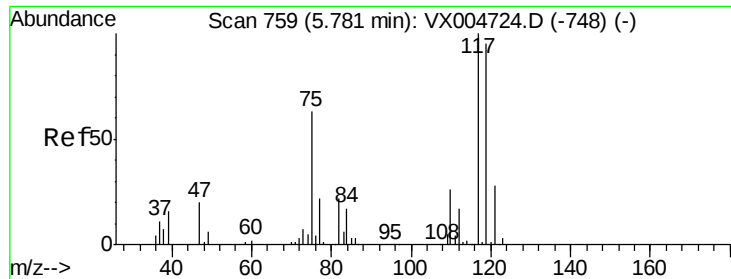


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.129 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

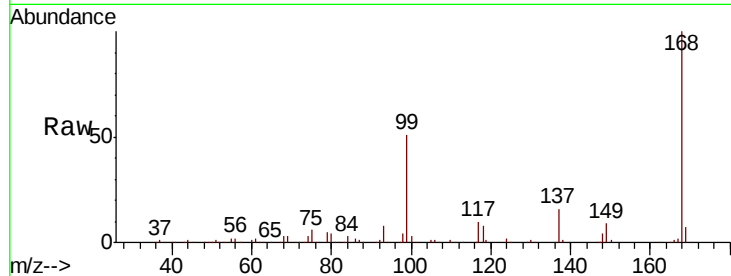
Tot Ion:117 Resp: 22747

Ion Ratio Lower Upper

117 100

119 6.8 78.8 118.2#

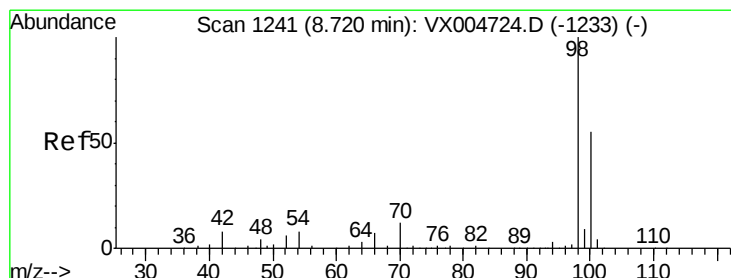
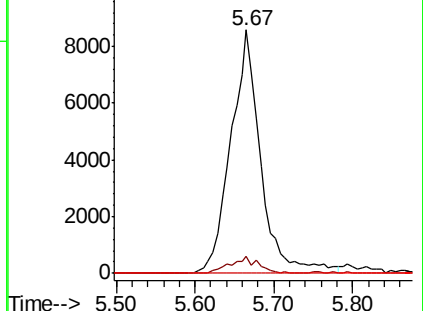
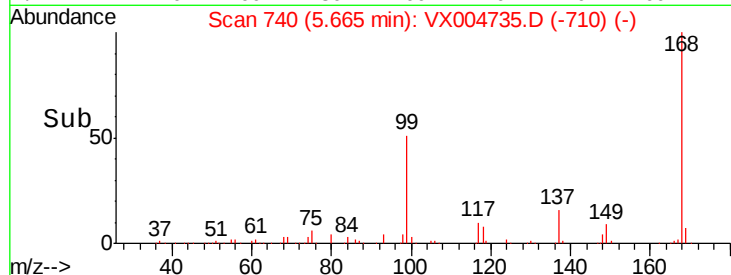
121 0.0 24.9 37.3#



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: 51.527 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004735.D

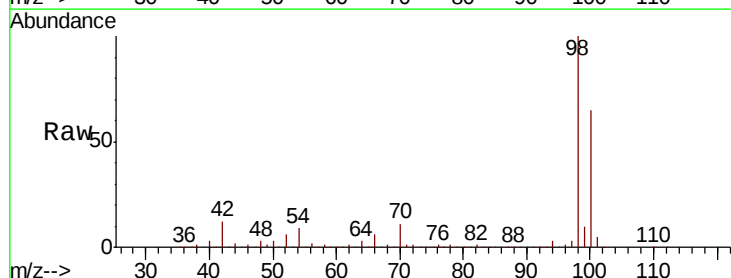
Acq: 26 Sep 2018 19:15

Tgt Ion: 98 Resp: 529748

Ion Ratio Lower Upper

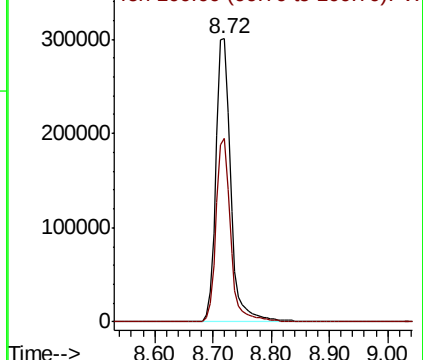
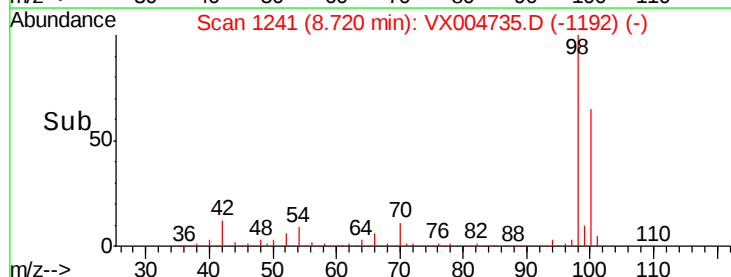
98 100

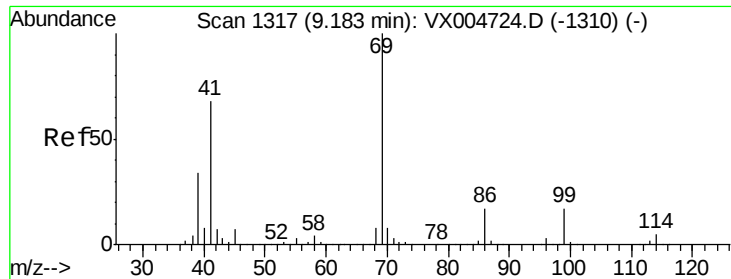
100 63.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

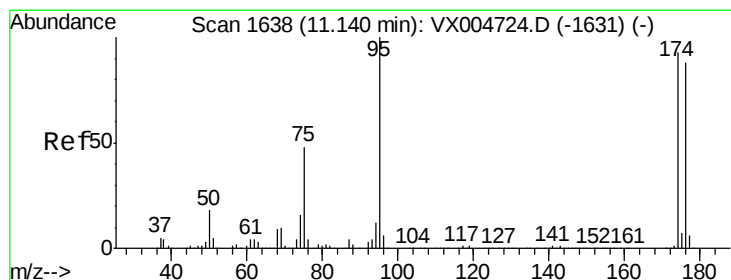
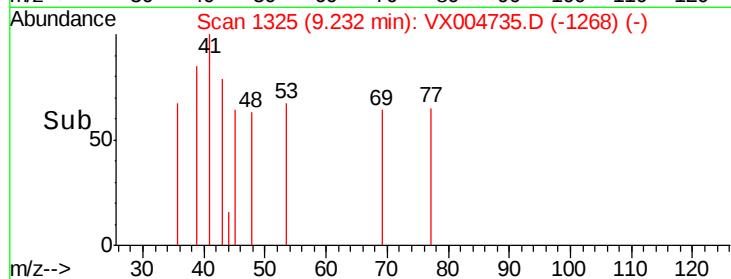
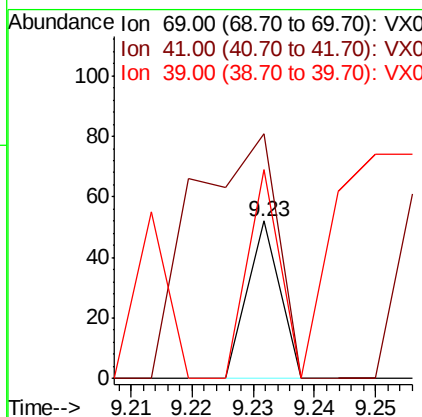
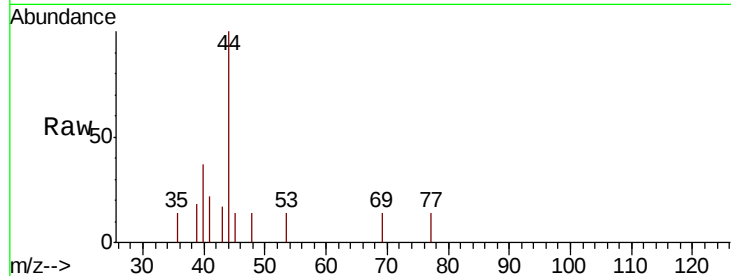




#56
 Ethyl methacrylate
 Concen: 2.866 ug/l
 RT: 9.23 min Scan# 1325
 Delta R.T. 0.05 min
 Lab File: VX004735.D
 Acq: 26 Sep 2018 19:15

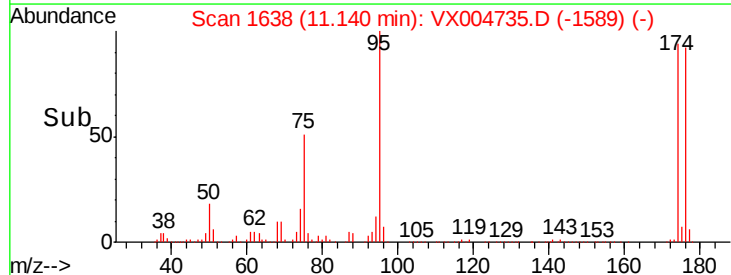
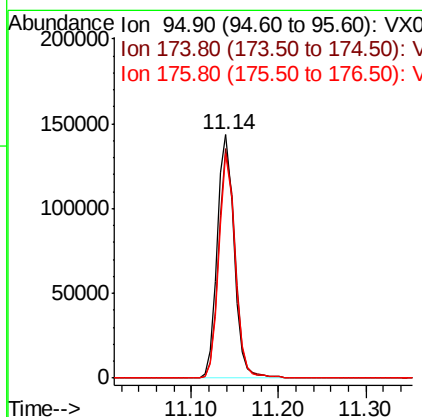
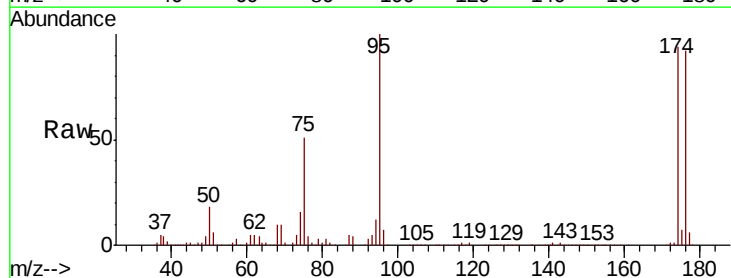
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

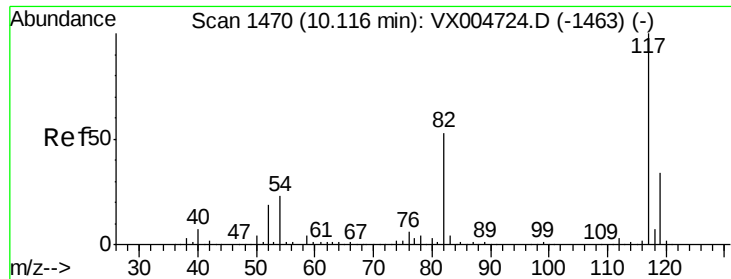
Tot Ion: 69.00 Resp: 19
 Ion Ratio Lower Upper
 69 100
 41 405.3 51.0 76.4#
 39 105.3 26.1 39.1#



#62
 4-Bromofluorobenzene
 Concen: 51.527 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004735.D
 Acq: 26 Sep 2018 19:15

Tgt Ion: 95 Resp: 190844
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 185.2
 176 88.7 0.0 178.6

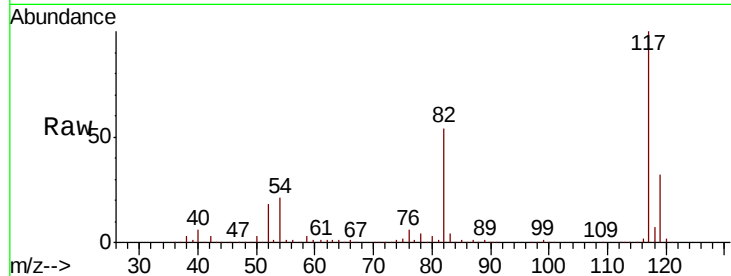




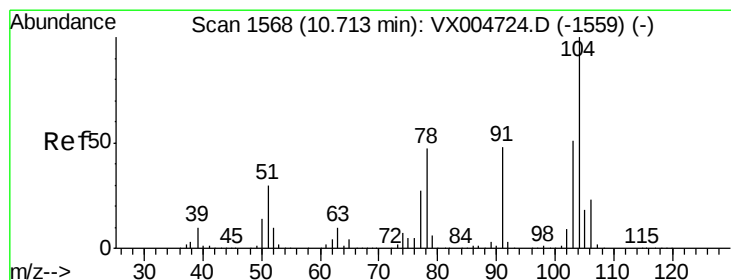
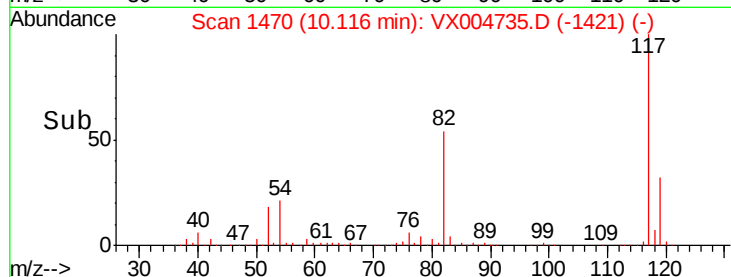
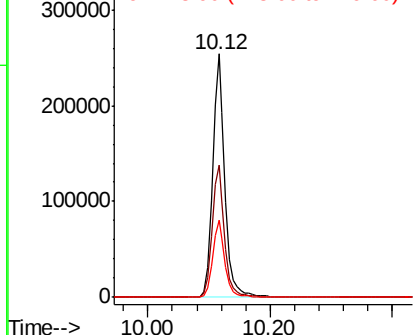
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004735.D
Acq: 26 Sep 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 359831
Ion Ratio Lower Upper
117 100
82 54.5 47.8 71.6
119 32.0 29.3 43.9

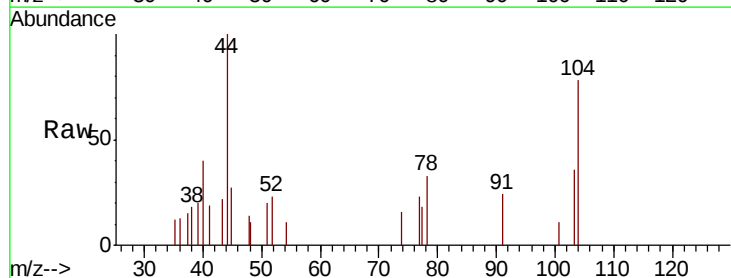


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

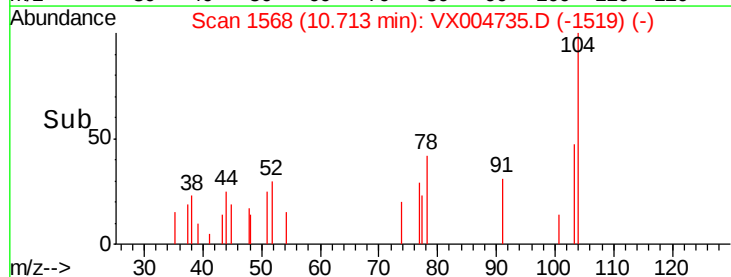
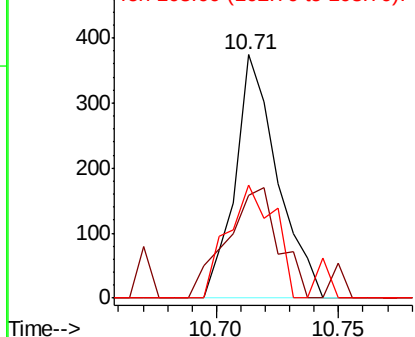


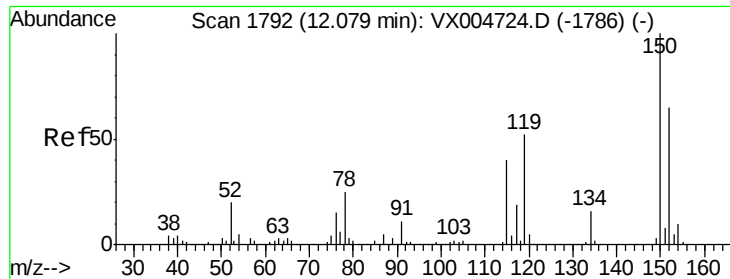
#70
Styrene
Concen: 2.184 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004735.D
Acq: 26 Sep 2018 19:15

Tgt Ion:104 Resp: 450
Ion Ratio Lower Upper
104 100
78 56.4 37.4 56.0#
103 51.8 43.8 65.6



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: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

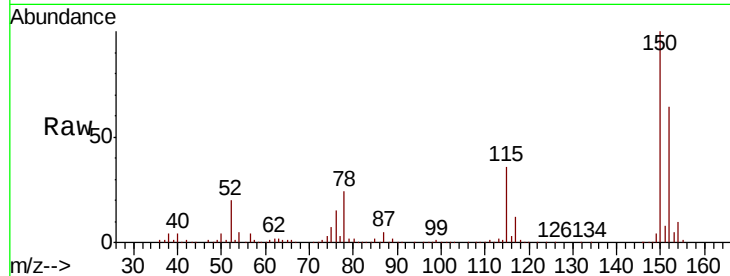
Tot Ion:152 Resp: 203057

Ion Ratio Lower Upper

152 100

115 55.4 39.0 117.0

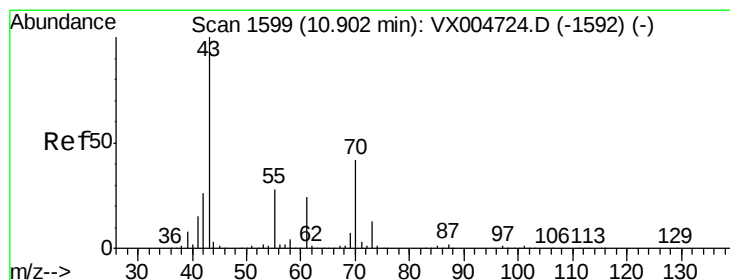
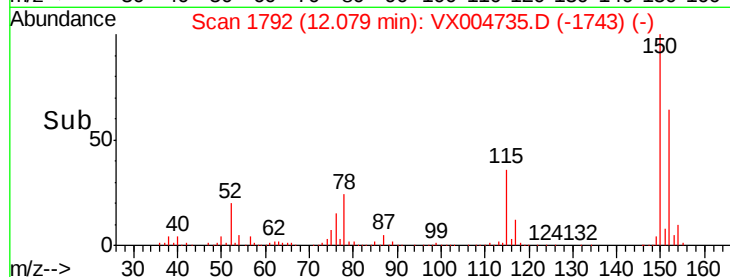
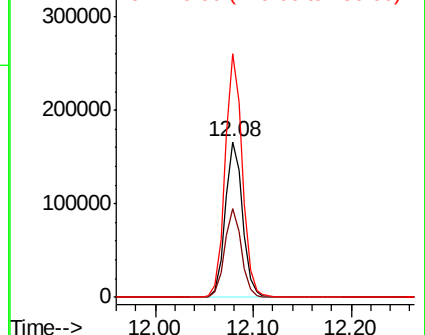
150 155.7 0.0 351.0



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-ethyl acetate

Concen: 1.778 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Tgt Ion: 43 Resp: 219

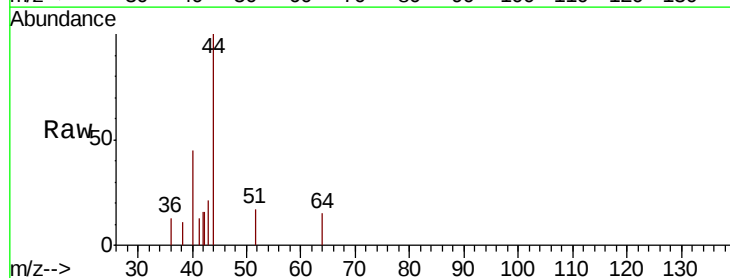
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 12.3 21.8 32.8#

61 0.0 20.6 30.8#

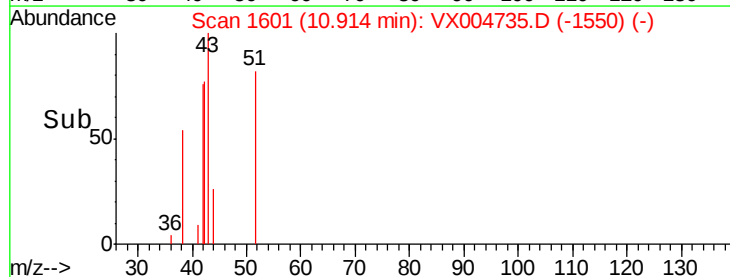
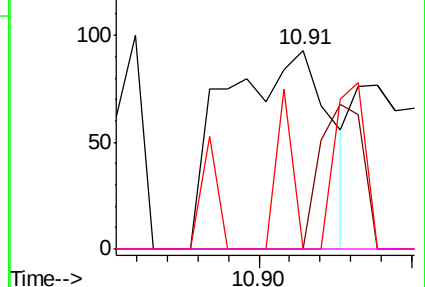


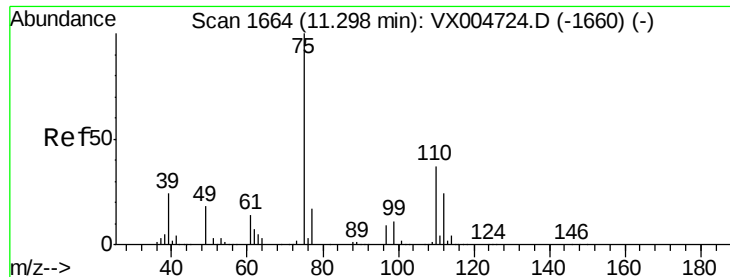
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.132 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

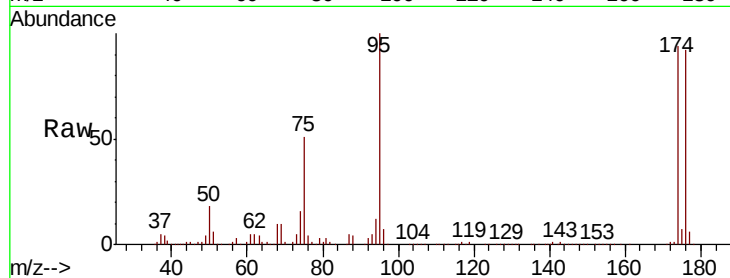
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 96178

Ion Ratio Lower Upper

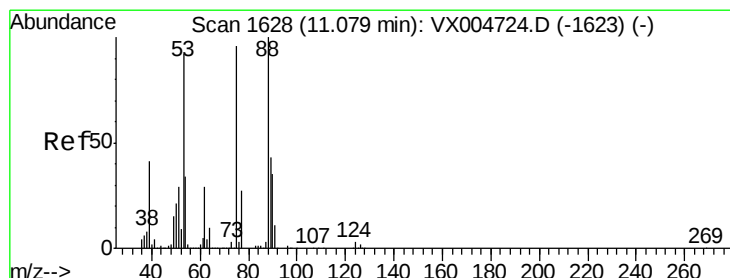
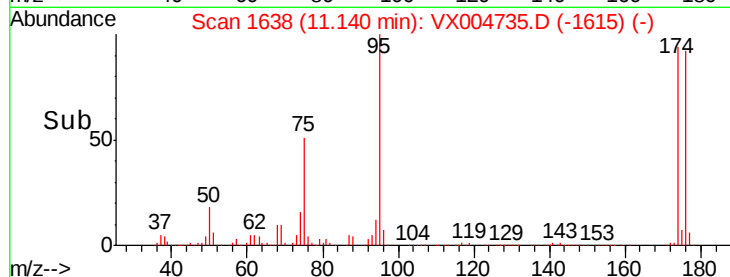
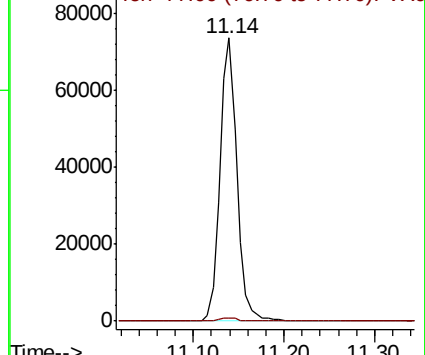
75 100

77 1.3 20.2 60.6#



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: 57.332 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004735.D

Acq: 26 Sep 2018 19:15

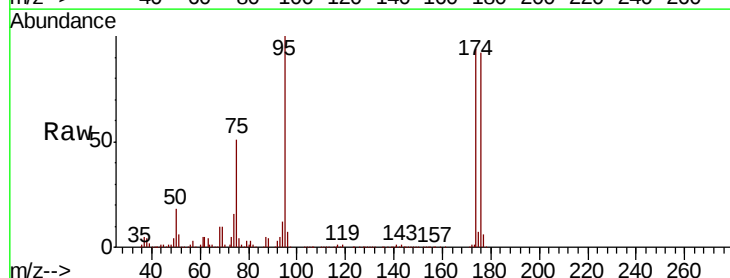
Tgt Ion: 75 Resp: 96178

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

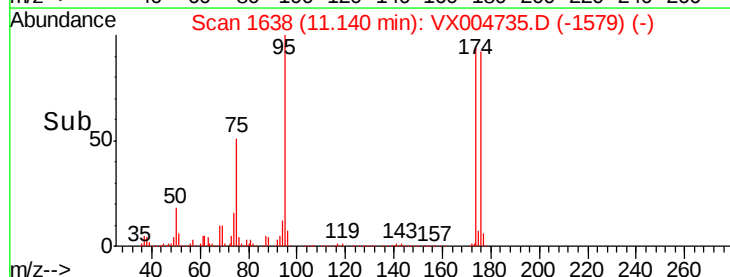
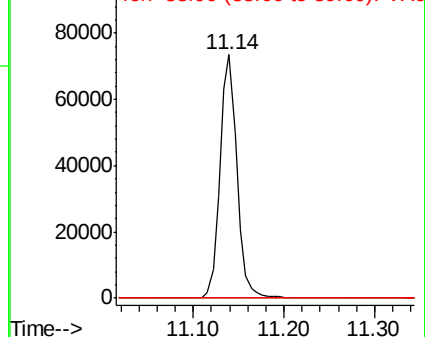
89 0.0 37.2 55.8#

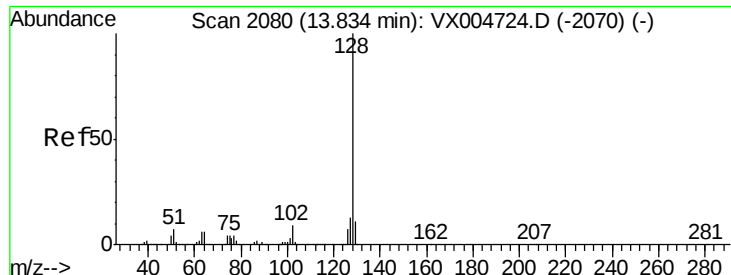


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

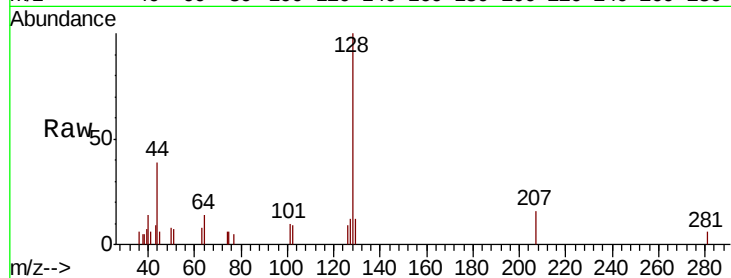




#95
Naphthalene
Concen: 0.799 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004735.D
Acq: 26 Sep 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	12.9	8.6	12.8#



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

