

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004822.D
 Acq On : 28 Sep 2018 15:38
 Operator : JC/MD
 Sample : J5130-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-ESJEBS-TB2

Quant Time: Sep 29 06:25:34 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	232265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204659	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	178042	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
35) Dibromofluoromethane	5.51	113	147854	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
50) Toluene-d8	8.72	98	538505	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.14	95	196274	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	

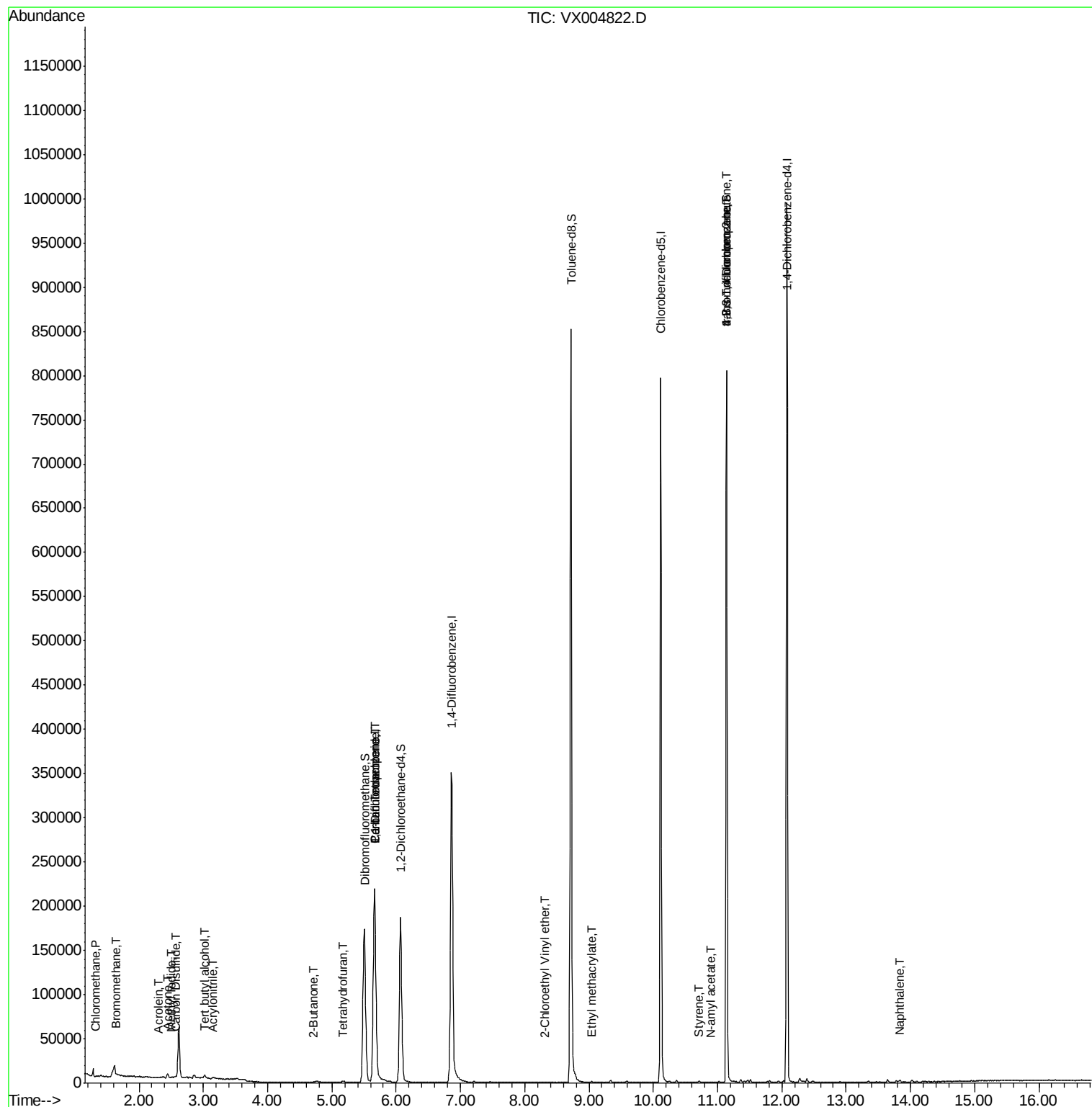
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	833	0.217	ug/l	95
5) Bromomethane	1.64	94	957	0.448	ug/l #	65
6) Chloroethane	1.59	64	3634	Below Cal	#	66
10) Methyl Iodide	2.51	142	1280	0.376	ug/l	99
11) Tert butyl alcohol	3.03	59	2622	2.826	ug/l #	79
13) Acrolein	2.29	56	273	0.414	ug/l	83
15) Acrylonitrile	3.15	53	732	0.358	ug/l	85
16) Acetone	2.44	43	4993	2.578	ug/l	94
17) Carbon Disulfide	2.57	76	2130	0.282	ug/l	99
20) Methylene Chloride	2.86	84	1677	Below Cal	#	88
25) 2-Butanone	4.70	43	707	0.248	ug/l #	47
29) Tetrahydrofuran	5.16	42	1164	0.656	ug/l #	59
36) 1,1-Dichloropropene	5.67	75	16079	3.748	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20810	4.615	ug/l #	16
56) Ethyl methacrylate	9.04	69	75	2.876	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	54	14.260	ug/l #	15
70) Styrene	10.72	104	312	2.170	ug/l #	68
74) N-amyl acetate	10.90	43	325	1.792	ug/l #	59
76) 1,2,3-Trichloropropane	11.14	75	96870	21.118	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	578	Below Cal		98
81) trans-1,4-Dichloro-2-buten	11.14	75	96870	57.294	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	755	Below Cal		93
95) Naphthalene	13.83	128	1569	0.810	ug/l #	91

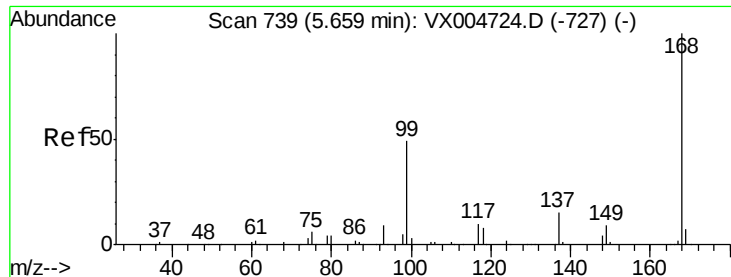
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 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: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

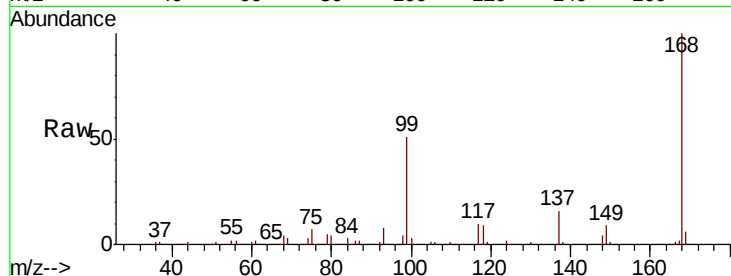
FA18-ESJEBS-TB2

Tot Ion:168 Resp: 232265

Ion Ratio Lower Upper

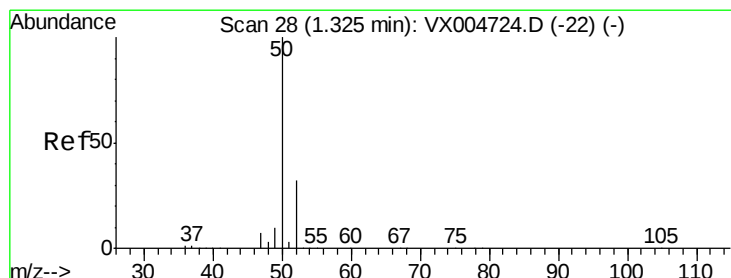
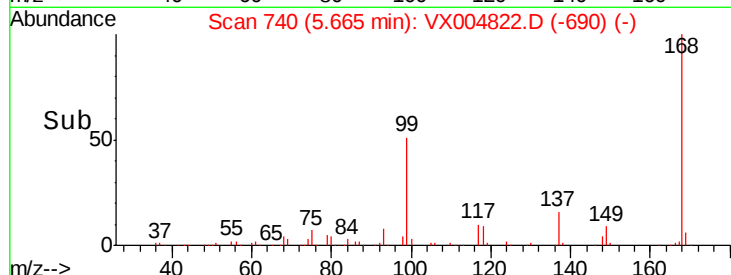
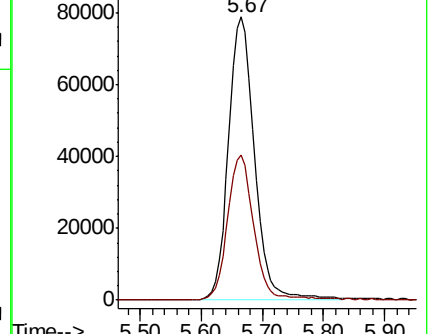
168 100

99 51.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX004822.D

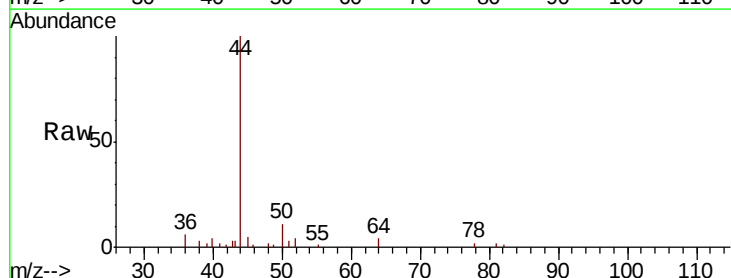
Acq: 28 Sep 2018 15:38

Tgt Ion: 50 Resp: 833

Ion Ratio Lower Upper

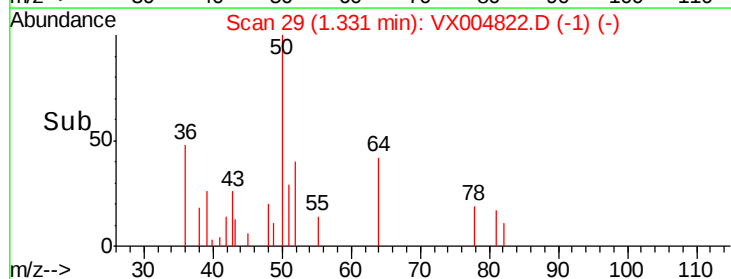
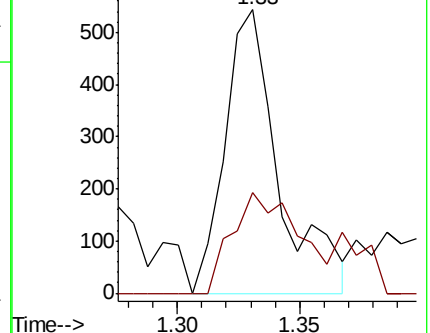
50 100

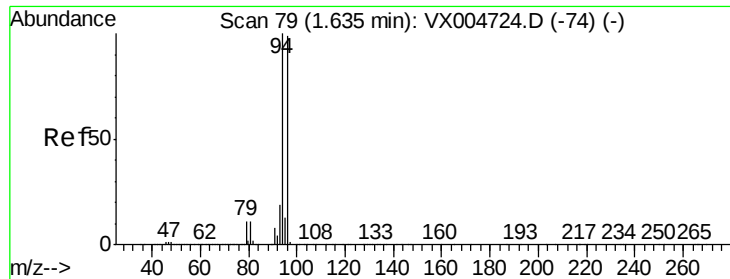
52 35.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.448 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

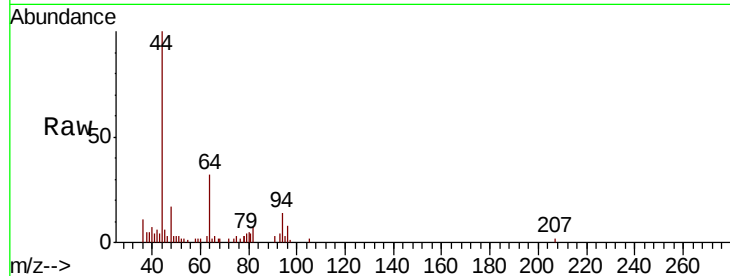
FA18-ESJEBS-TB2

Tot Ion: 94 Resp: 957

Ion Ratio Lower Upper

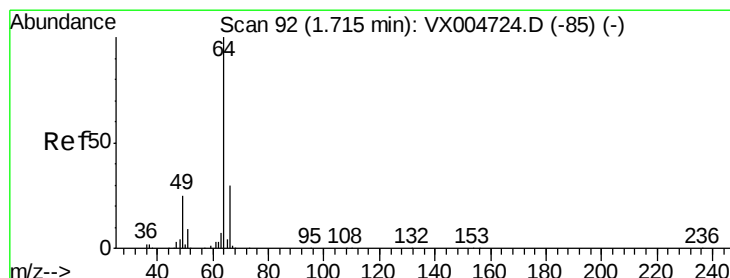
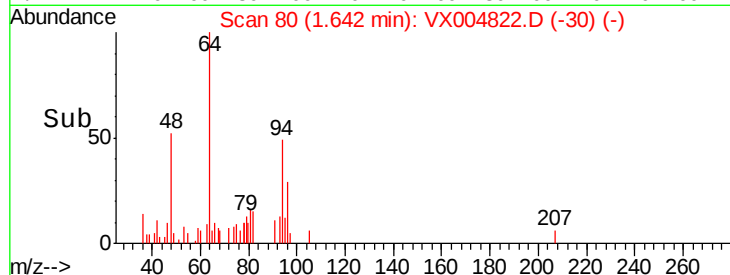
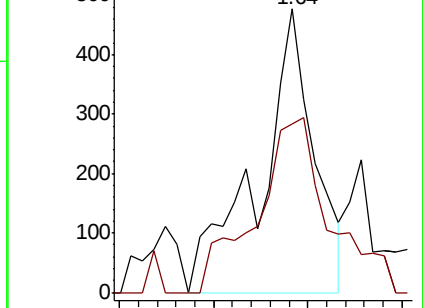
94 100

96 59.5 74.5 111.7#



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: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX004822.D

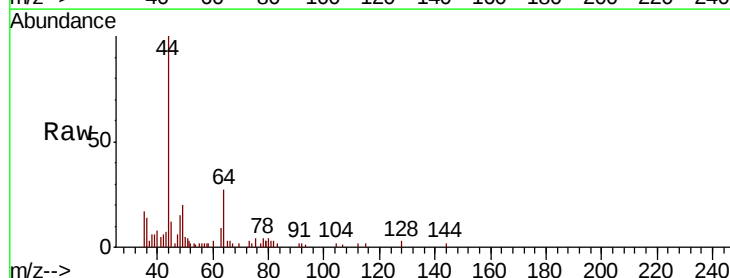
Acq: 28 Sep 2018 15:38

Tgt Ion: 64 Resp: 3634

Ion Ratio Lower Upper

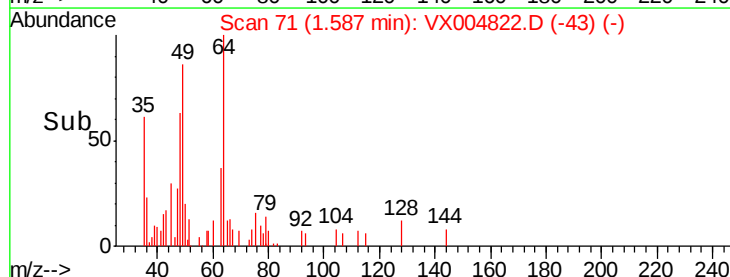
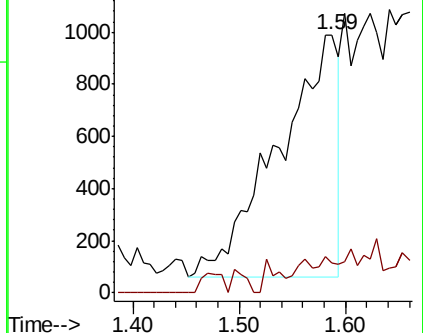
64 100

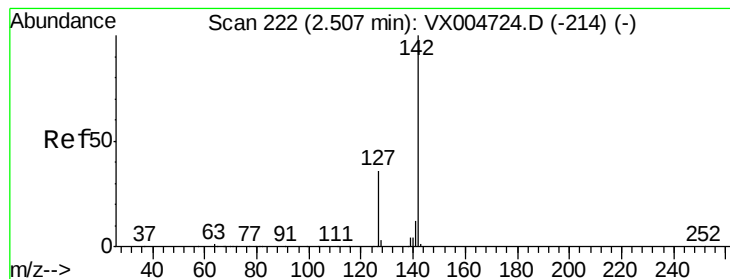
66 12.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 0.376 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB2

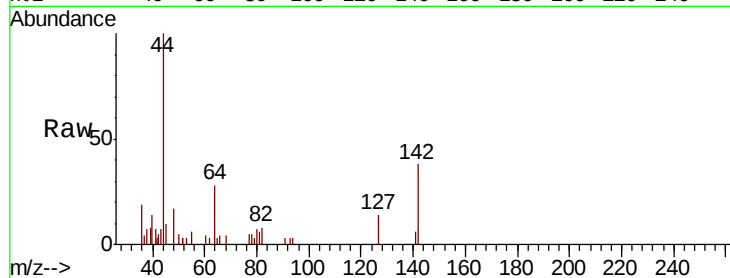
Tot Ion:142 Resp: 1280

Ion Ratio Lower Upper

142 100

127 41.3 33.8 50.6

141 14.7 11.4 17.0



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

2.51

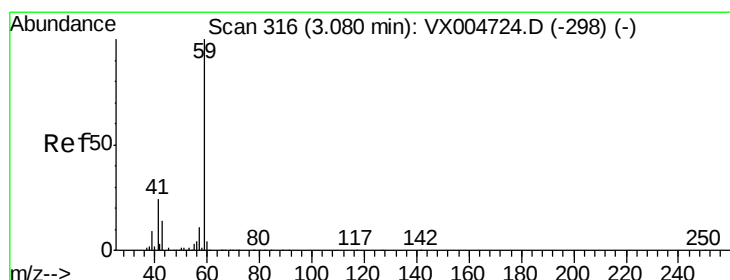
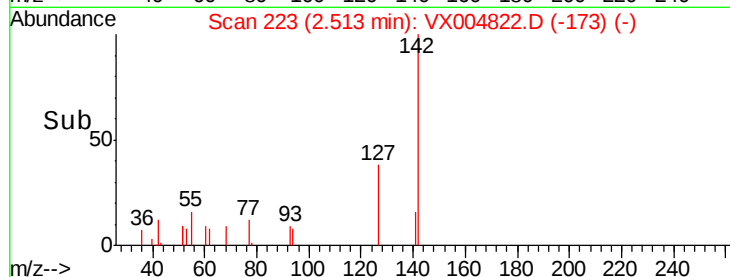
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 2.826 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX004822.D

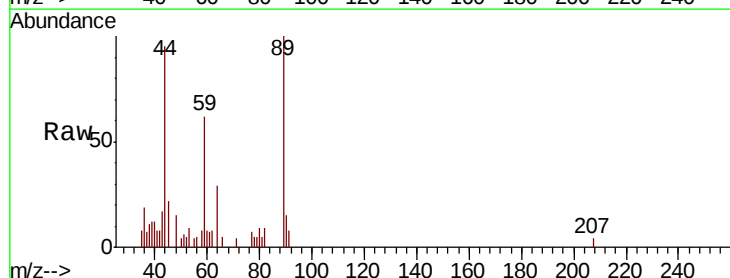
Acq: 28 Sep 2018 15:38

Tgt Ion: 59 Resp: 2622

Ion Ratio Lower Upper

59 100

57 2.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1000

800

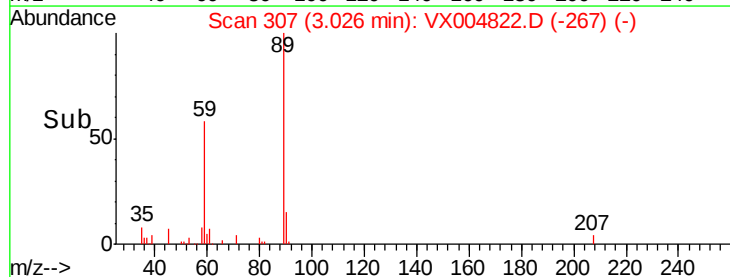
600

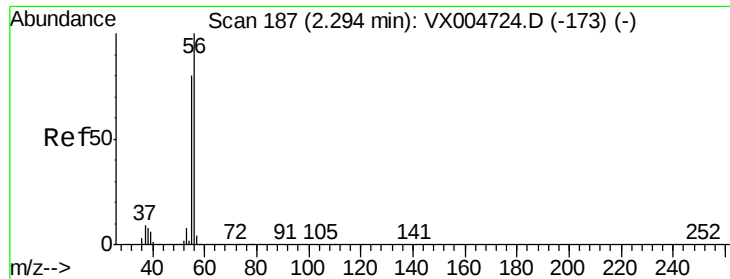
400

200

0

Time-->

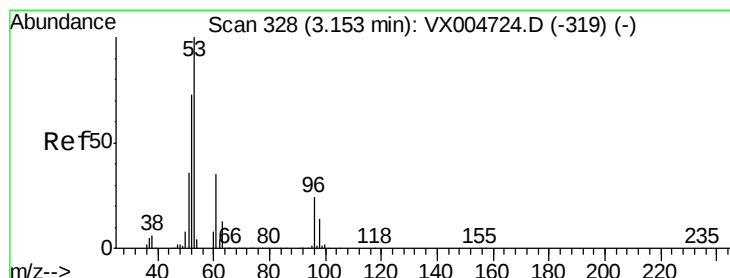
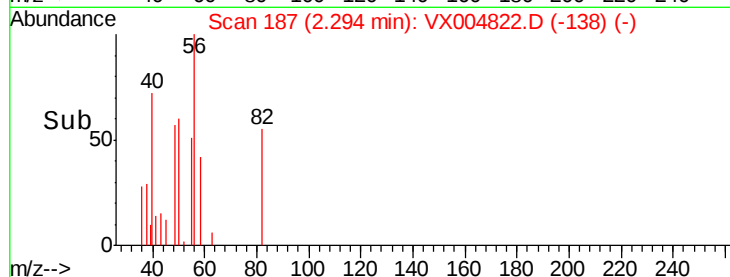
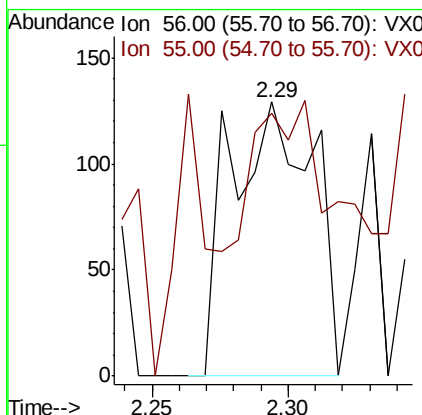
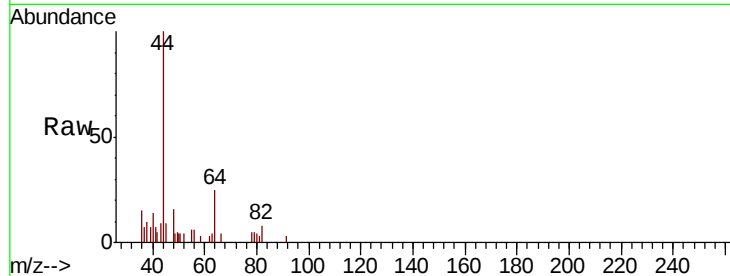




#13
Acrolein
Concen: 0.414 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

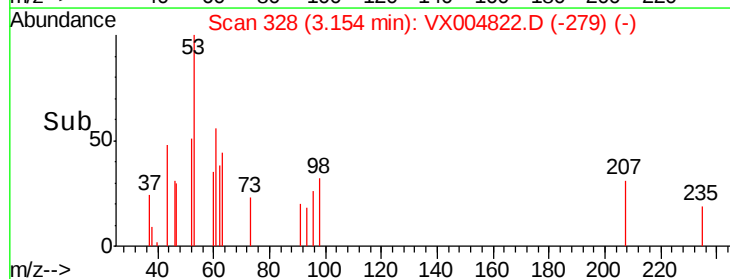
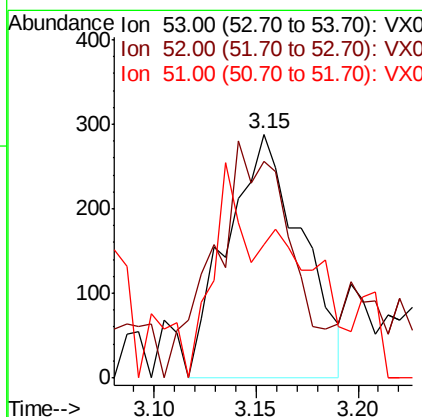
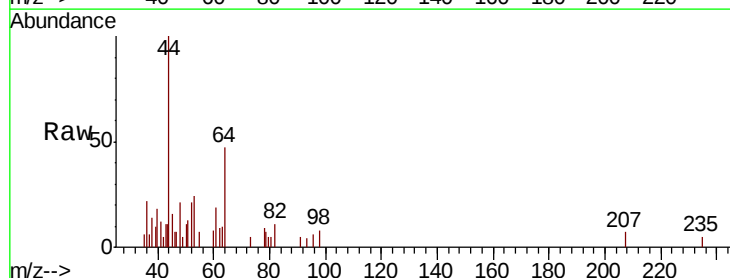
Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB2

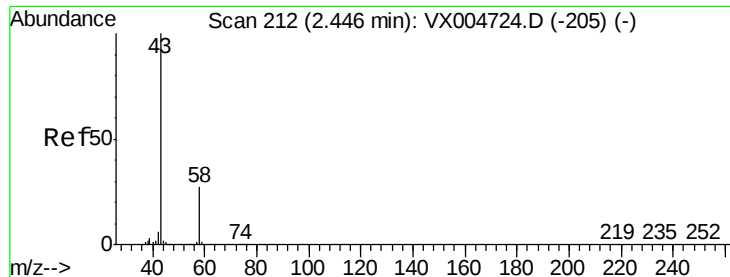
Tot Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 82.1 54.7 82.1



#15
Acrylonitrile
Concen: 0.358 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.00 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Tgt Ion: 53 Resp: 732
Ion Ratio Lower Upper
53 100
52 97.5 65.2 97.8
51 38.9 28.2 42.2





#16

Acetone

Concen: 2.578 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

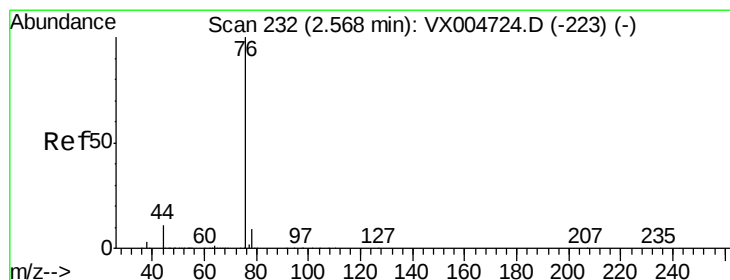
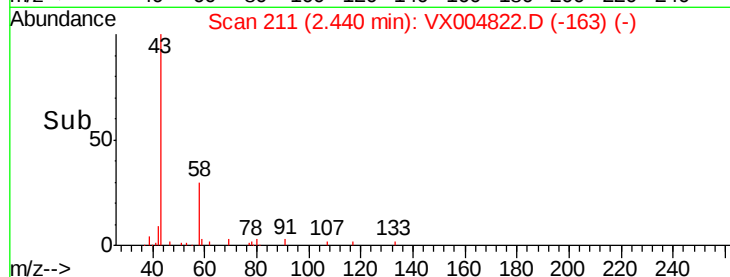
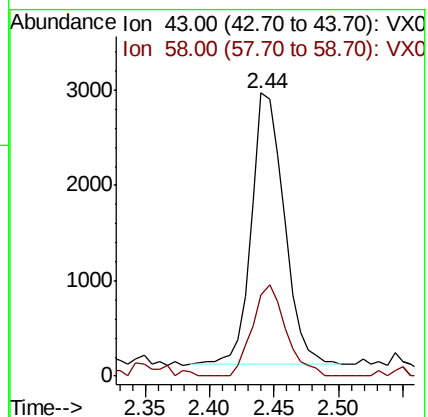
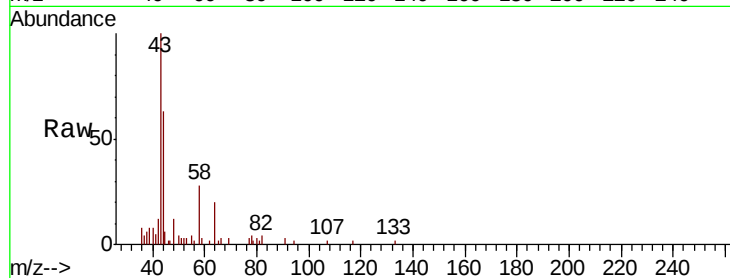
FA18-ESJEBS-TB2

Tot Ion: 43 Resp: 4993

Ion Ratio Lower Upper

43 100

58 29.7 26.2 39.4



#17

Carbon Disulfide

Concen: 0.282 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004822.D

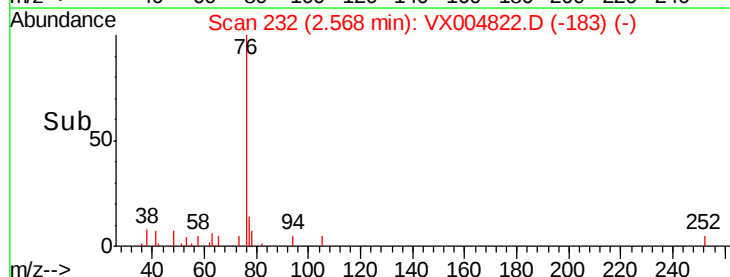
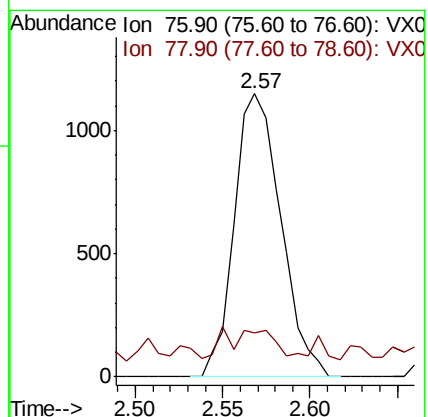
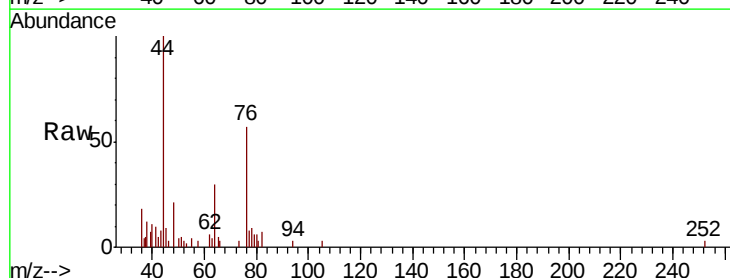
Acq: 28 Sep 2018 15:38

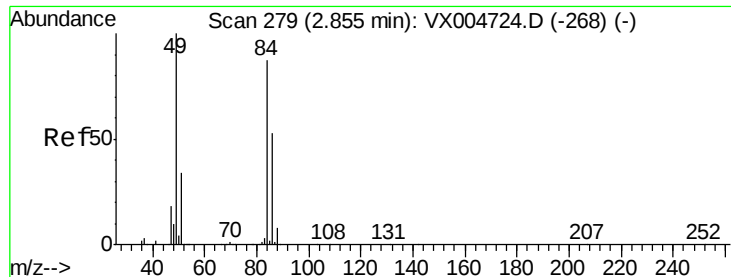
Tgt Ion: 76 Resp: 2130

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

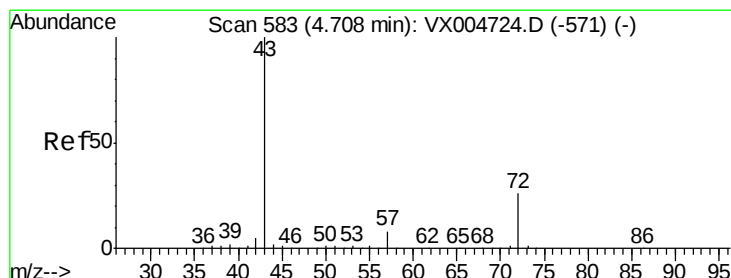
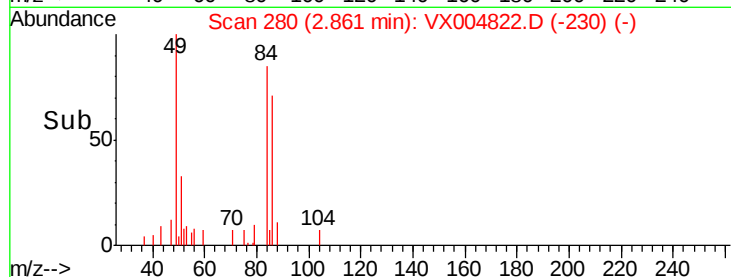
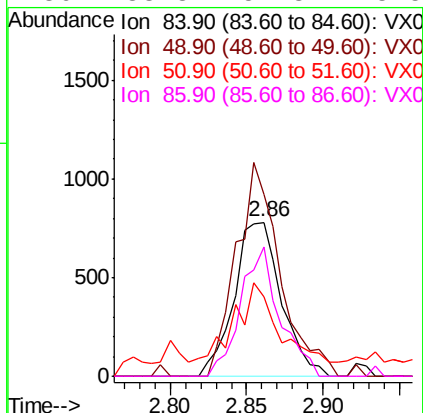
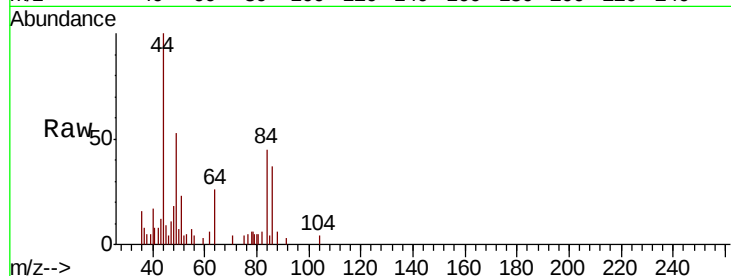




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

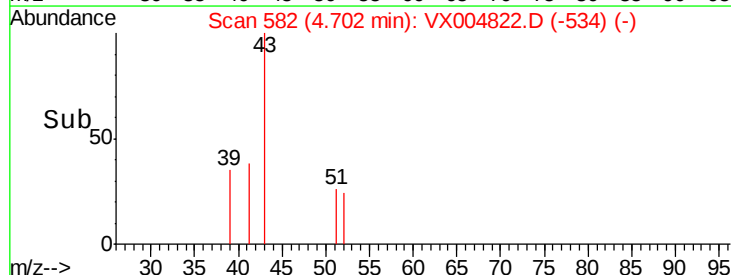
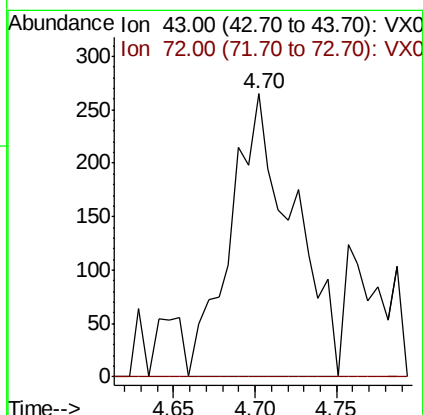
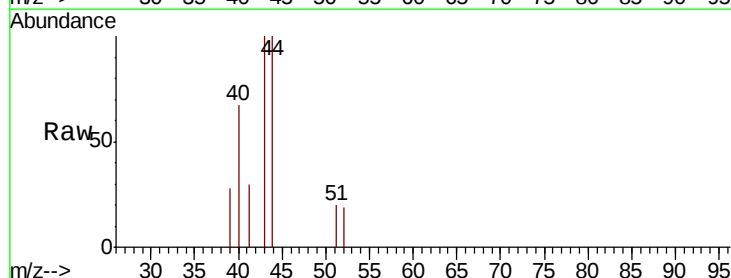
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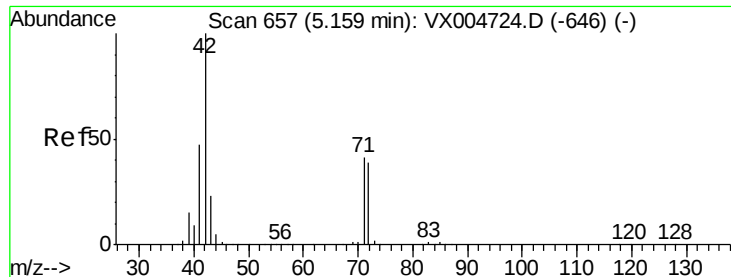
Tot Ion: 84 Resp: 1677
Ion Ratio Lower Upper
84 100
49 117.8 101.2 151.8
51 41.8 29.5 44.3
86 83.8 52.3 78.5#



#25
2-Butanone
Concen: 0.248 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.656 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB2

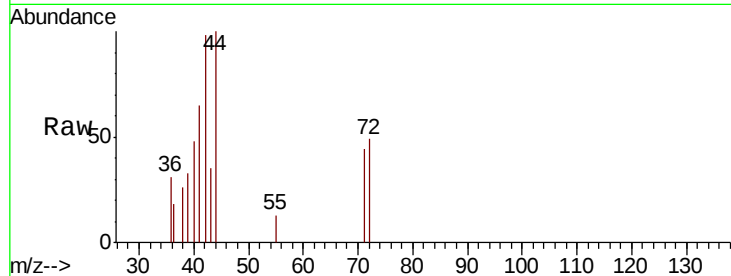
Tot Ion: 42 Resp: 1164

Ion Ratio Lower Upper

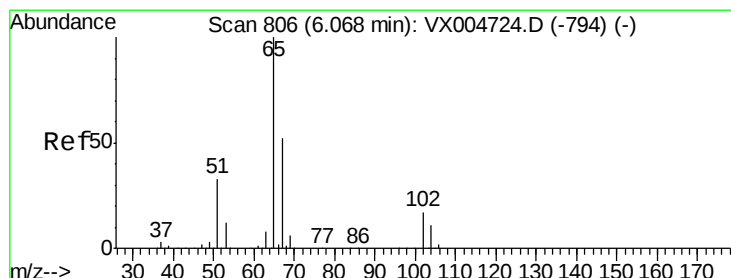
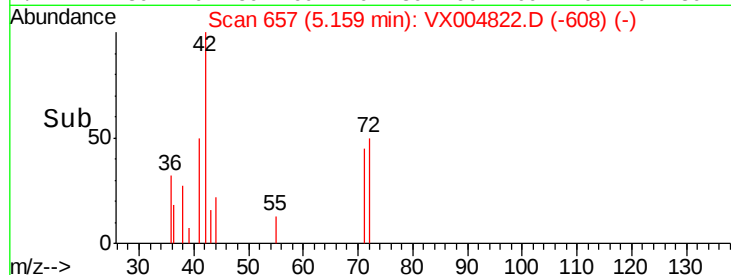
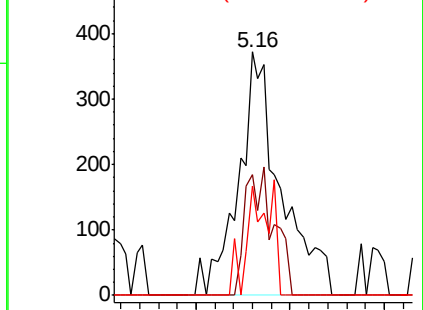
42 100

72 35.3 37.4 56.0#

71 0.0 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: 53.661 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004822.D

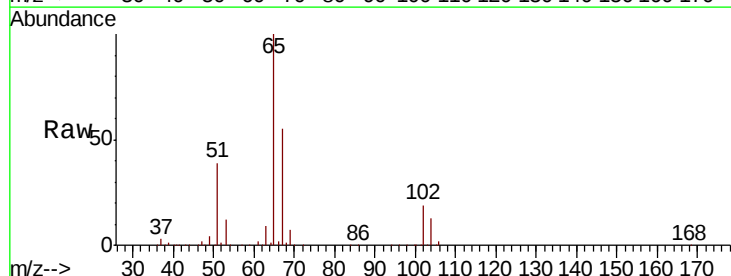
Acq: 28 Sep 2018 15:38

Tgt Ion: 65 Resp: 178042

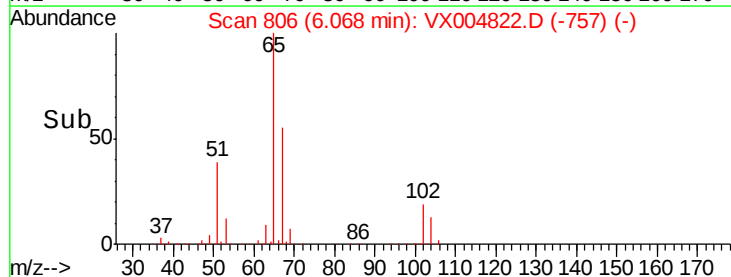
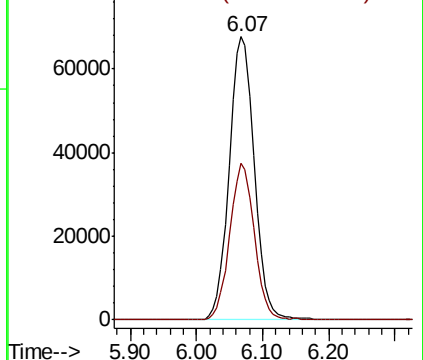
Ion Ratio Lower Upper

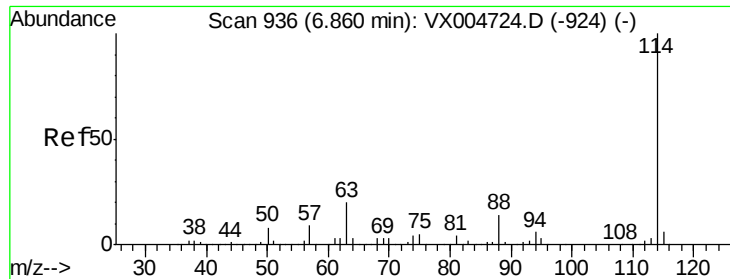
65 100

67 54.2 0.0 106.8



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

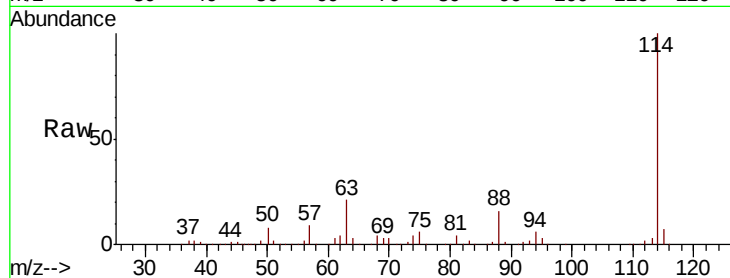




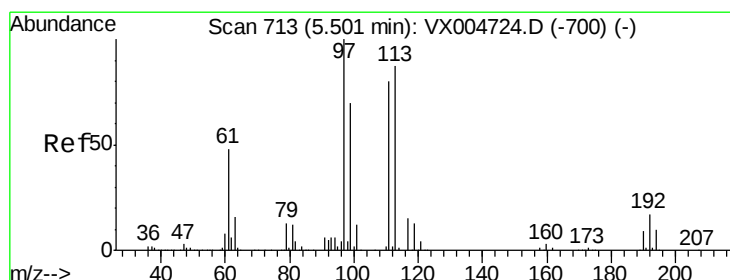
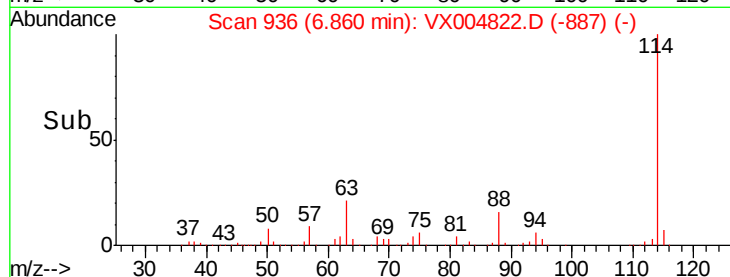
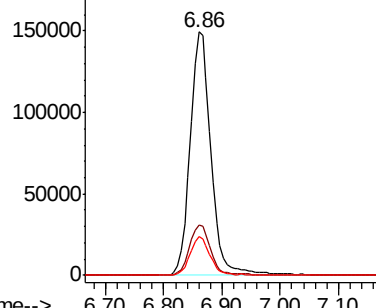
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB2

Tot Ion:114 Resp: 370967
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.0
88 15.7 0.0 30.4

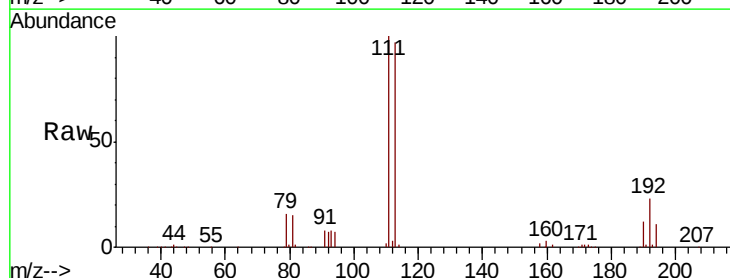


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

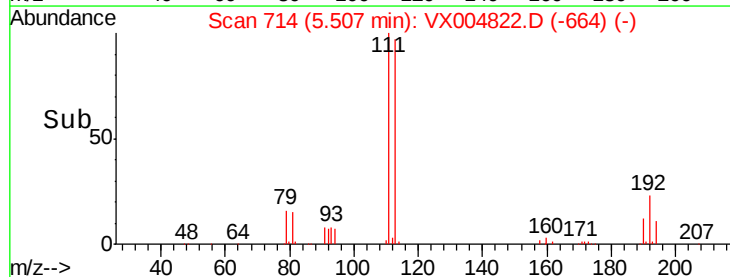
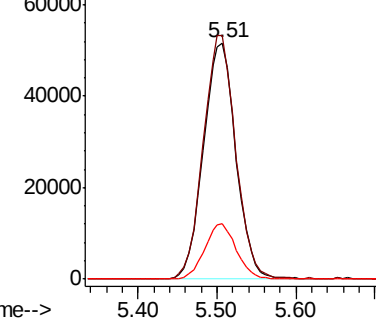


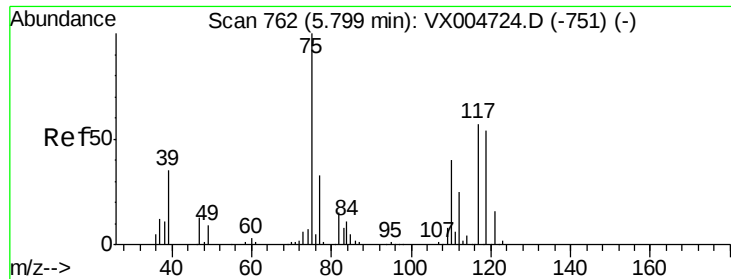
#35
Dibromofluoromethane
Concen: 47.027 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Tgt Ion:113 Resp: 147854
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 22.9 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: 3.748 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB2

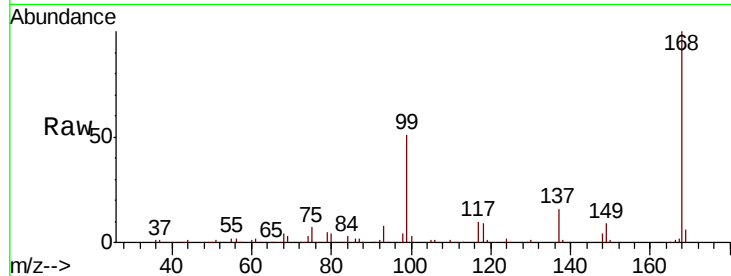
Tot Ion: 75 Resp: 16079

Ion Ratio Lower Upper

75 100

110 8.5 18.0 54.0#

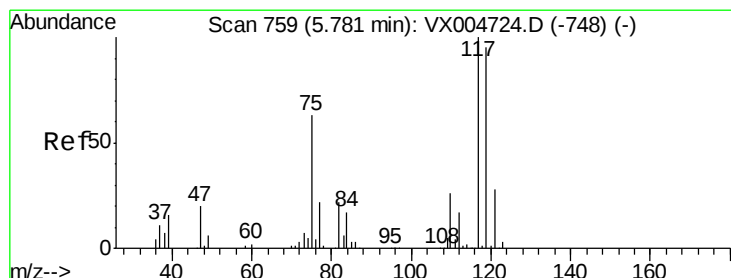
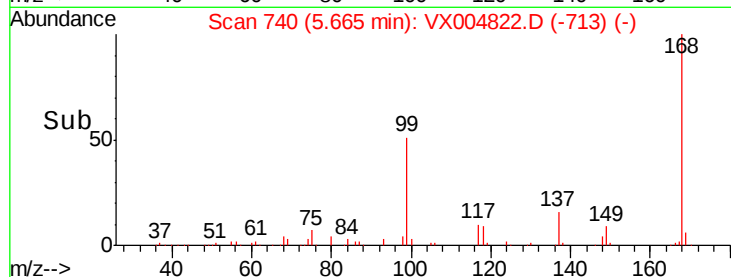
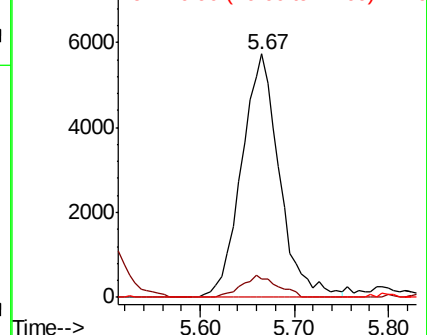
77 0.0 24.6 36.8#



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: 4.615 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

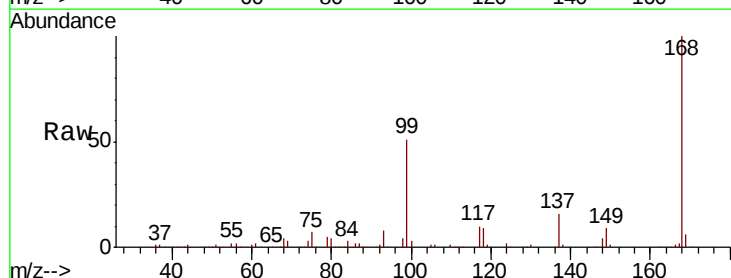
Tgt Ion: 117 Resp: 20810

Ion Ratio Lower Upper

117 100

119 6.1 78.8 118.2#

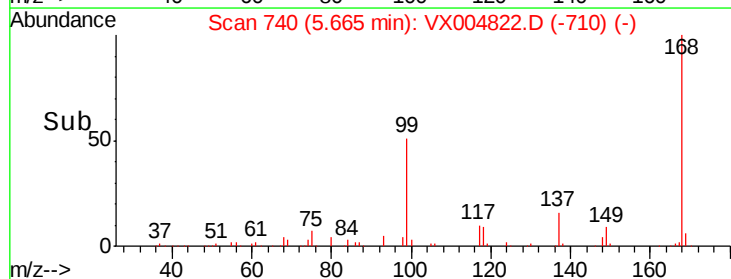
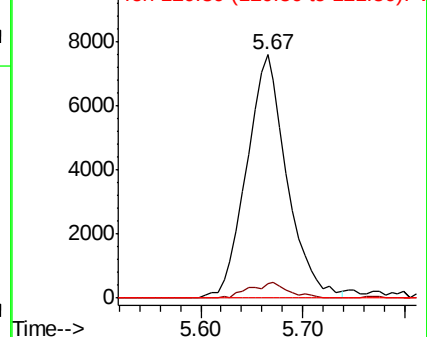
121 0.0 24.9 37.3#

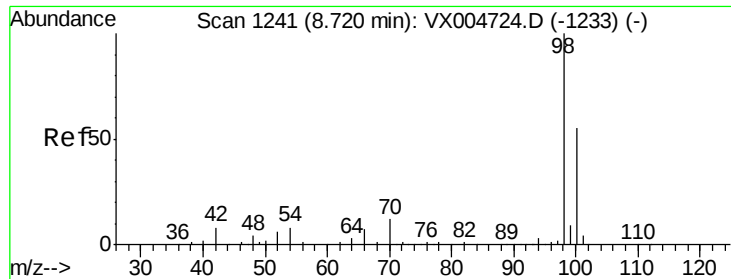


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

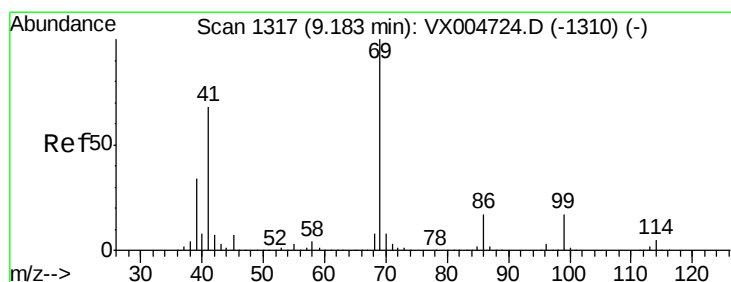
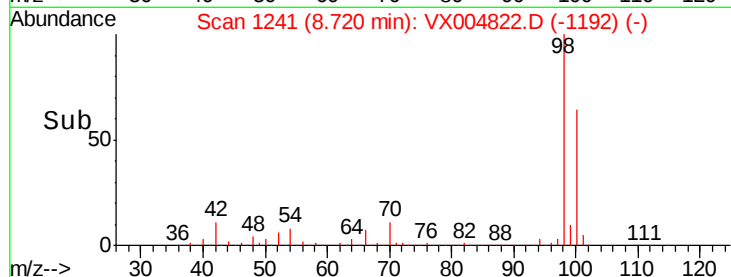
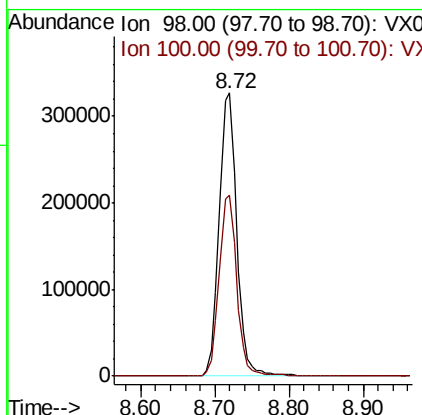
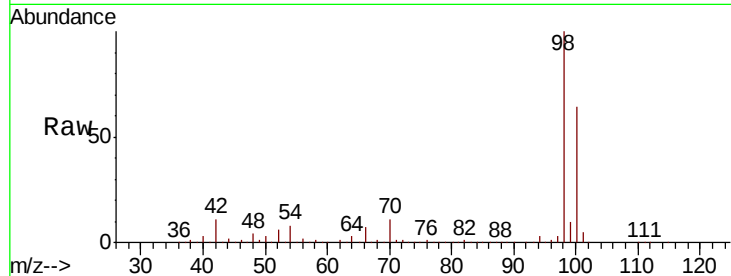




#50
Toluene-d8
Concen: 51.521 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

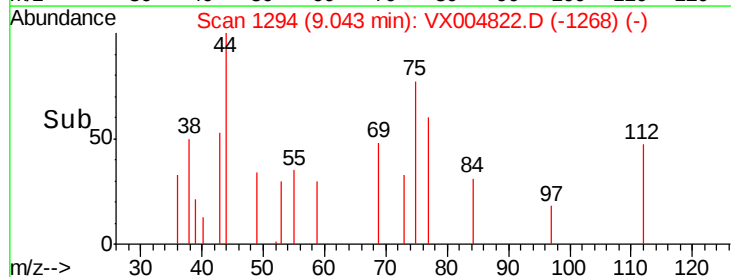
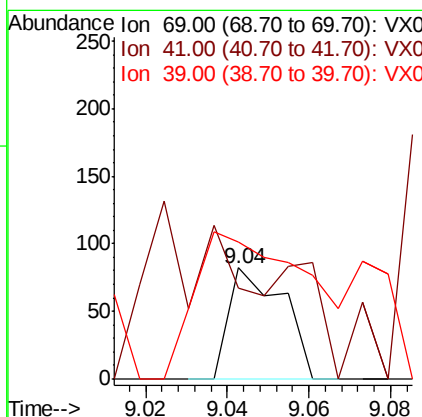
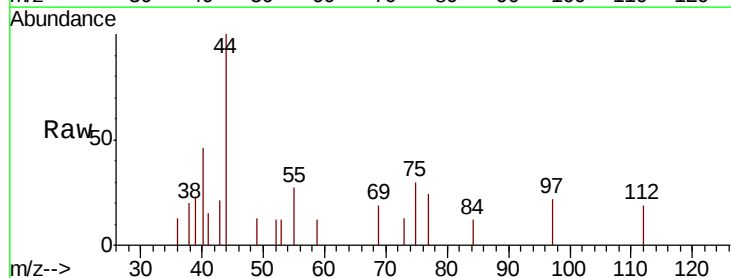
Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB2

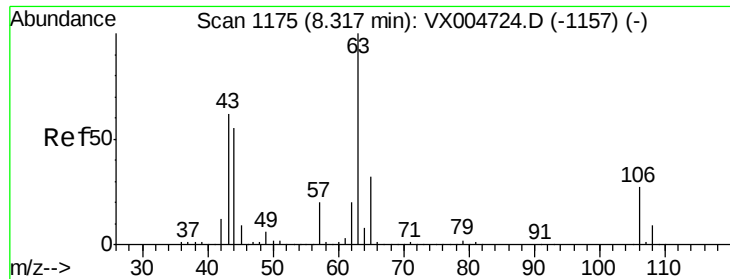
Tot Ion: 98 Resp: 538505
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.876 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.14 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Tgt Ion: 69 Resp: 75
Ion Ratio Lower Upper
69 100
41 241.3 51.0 76.4#
39 276.0 26.1 39.1#

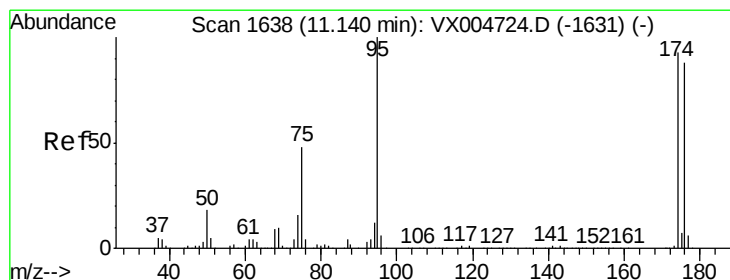
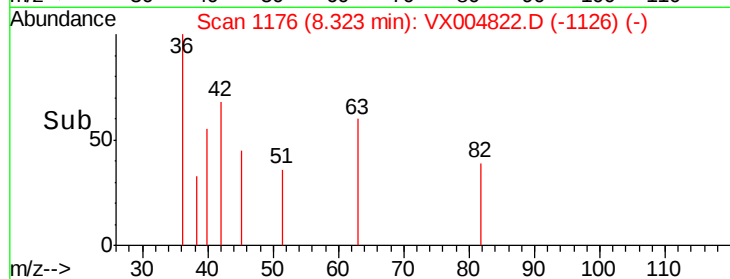
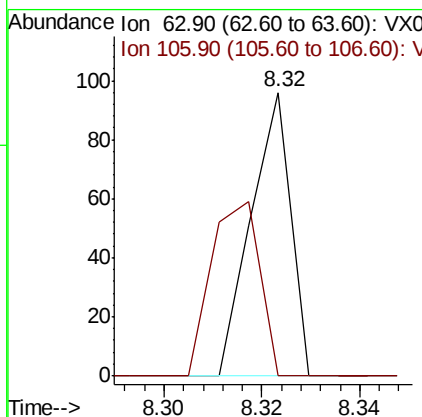
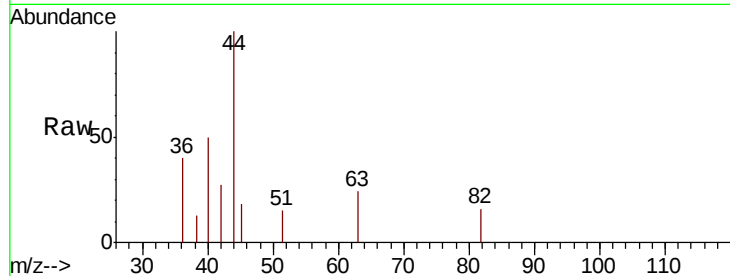




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.260 ug/l
 RT: 8.32 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VX004822.D
 Acq: 28 Sep 2018 15:38

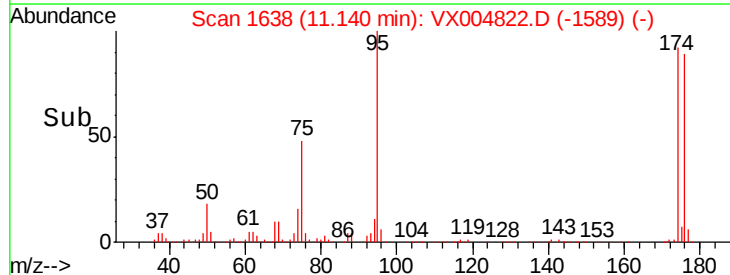
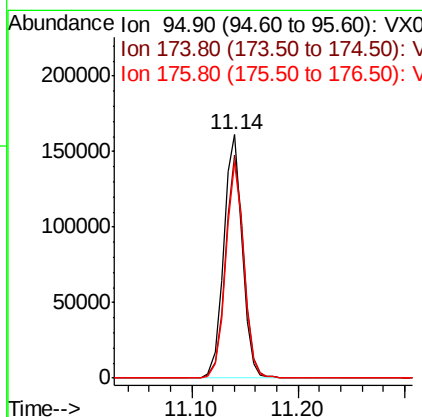
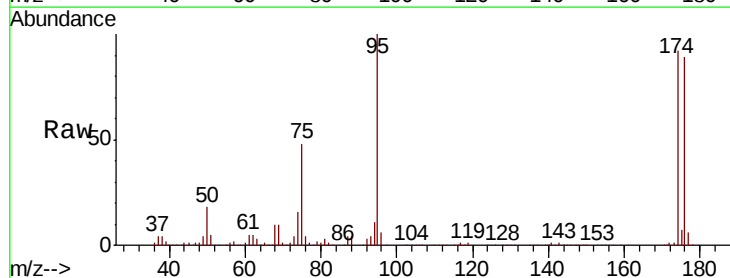
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-ESJEBS-TB2

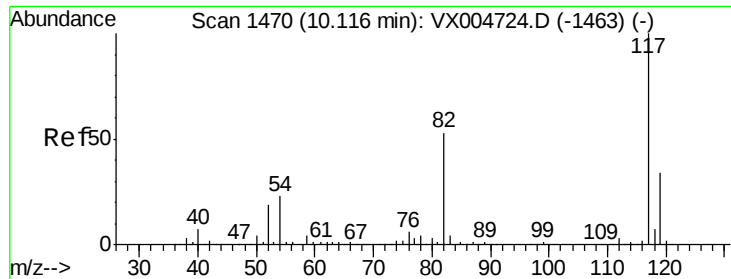
Tot Ion: 63 Resp: 54
 Ion Ratio Lower Upper
 63 100
 106 75.9 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 52.125 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004822.D
 Acq: 28 Sep 2018 15:38

Tgt Ion: 95 Resp: 196274
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 185.2
 176 87.3 0.0 178.6

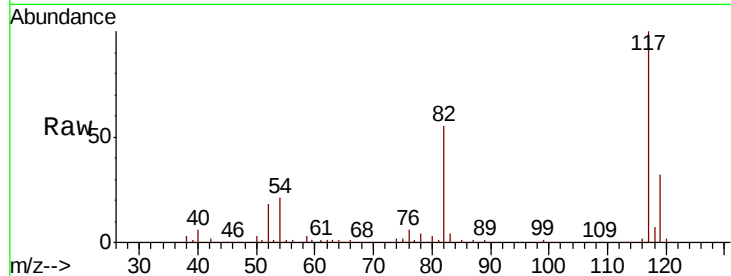




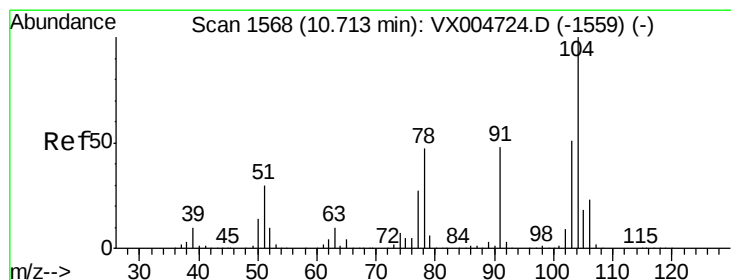
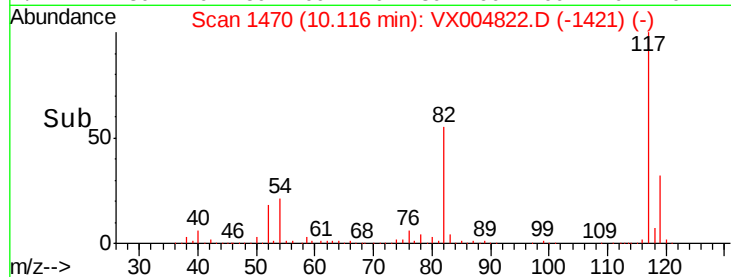
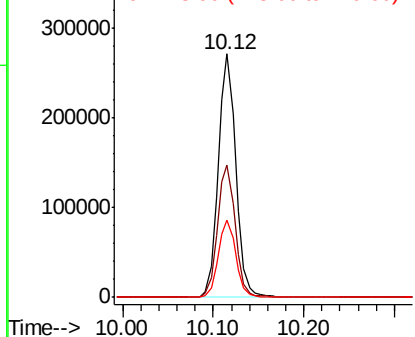
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB2

Tot Ion:117 Resp: 366567
Ion Ratio Lower Upper
117 100
82 54.6 47.8 71.6
119 31.8 29.3 43.9

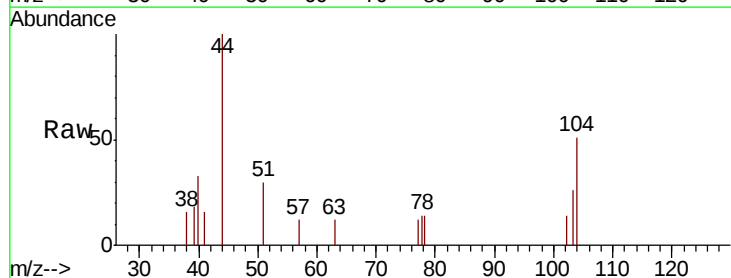


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

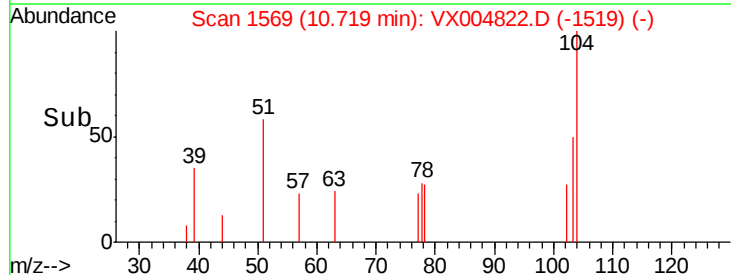
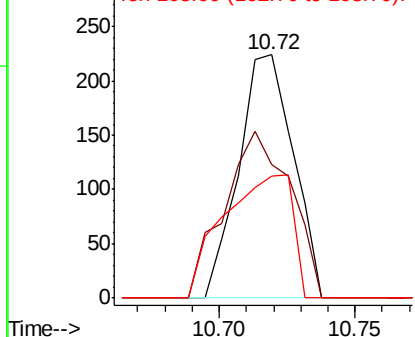


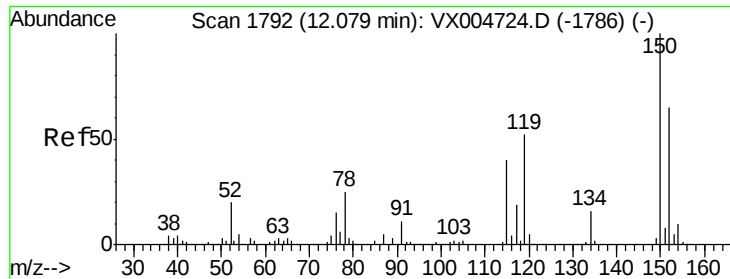
#70
Styrene
Concen: 2.170 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Tgt Ion:104 Resp: 312
Ion Ratio Lower Upper
104 100
78 83.0 37.4 56.0#
103 64.1 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: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB2

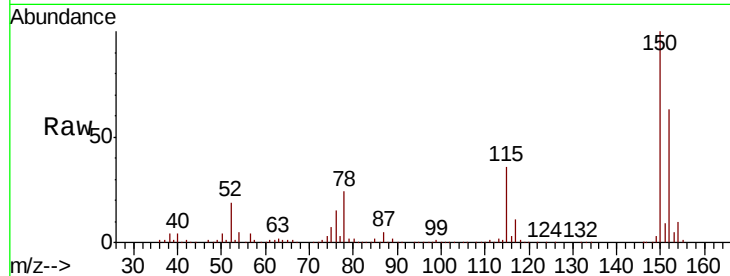
Tot Ion:152 Resp: 204659

Ion Ratio Lower Upper

152 100

115 55.5 39.0 117.0

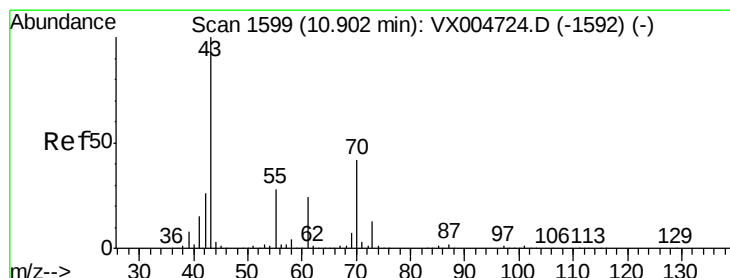
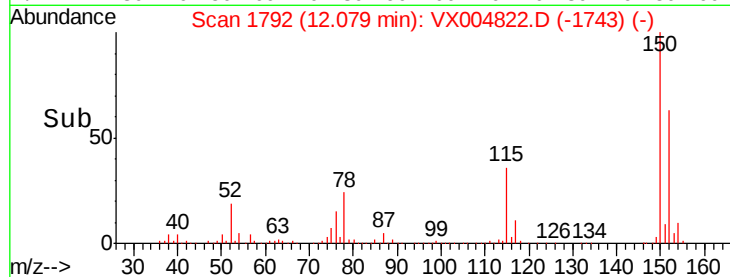
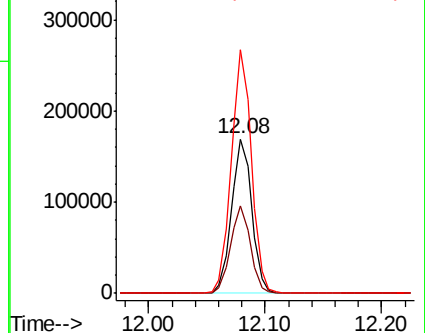
150 156.7 0.0 351.0



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: 1.792 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

Tgt Ion: 43 Resp: 325

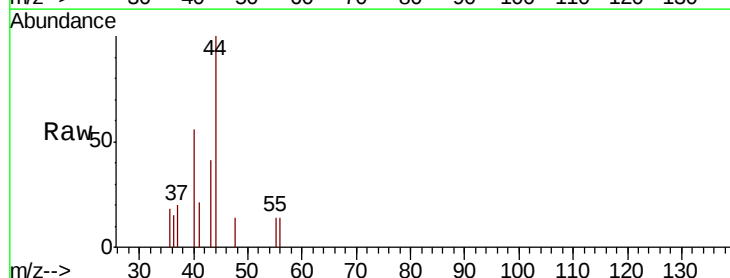
Ion Ratio Lower Upper

43 100

70 15.7 37.4 56.0#

55 39.7 21.8 32.8#

61 0.0 20.6 30.8#

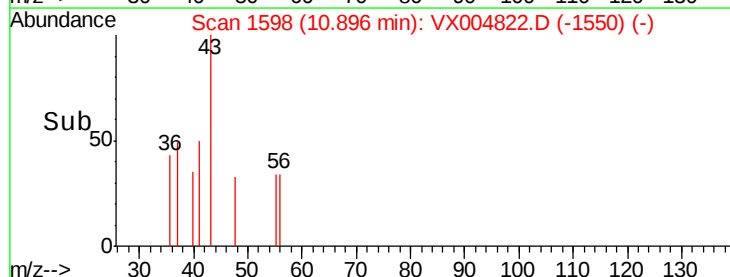
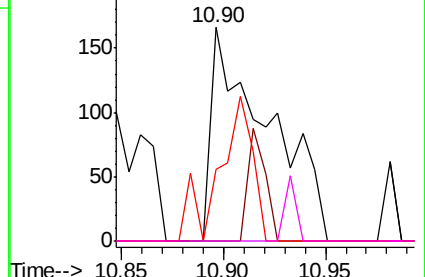


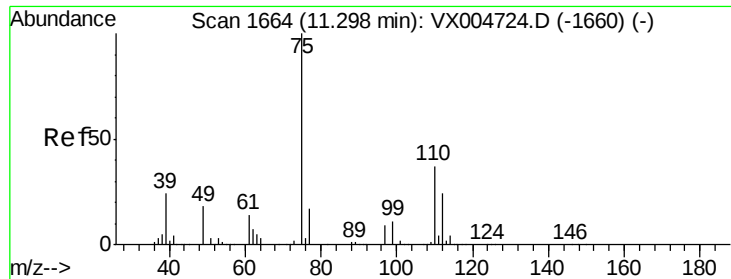
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.118 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

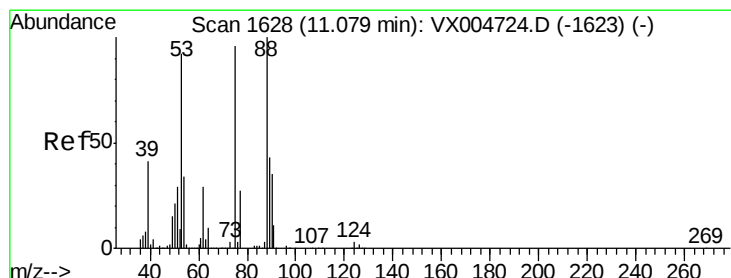
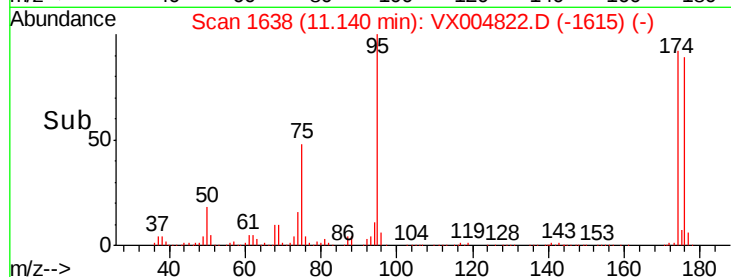
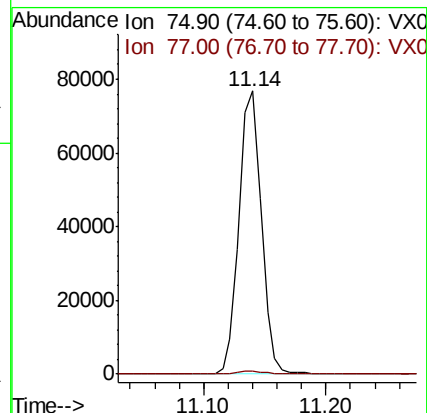
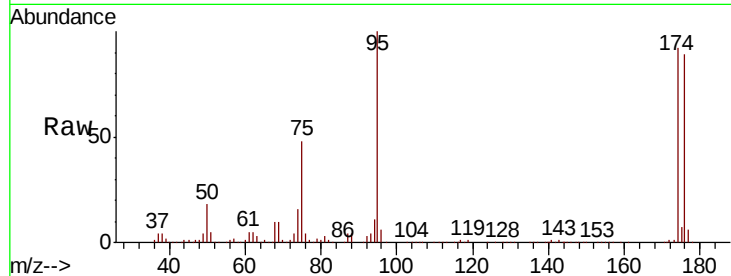
FA18-ESJEBS-TB2

Tot Ion: 75 Resp: 96870

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.294 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004822.D

Acq: 28 Sep 2018 15:38

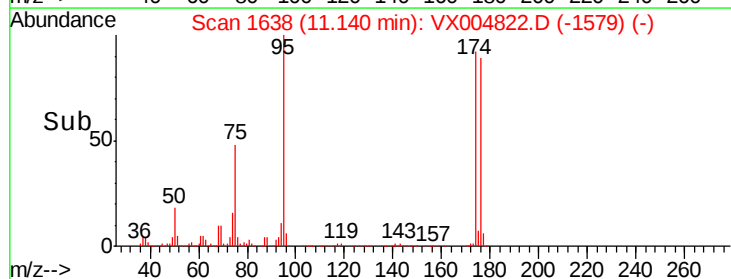
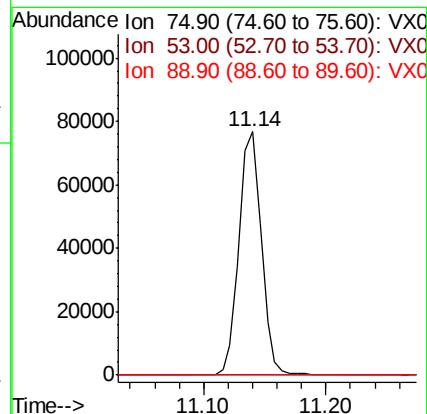
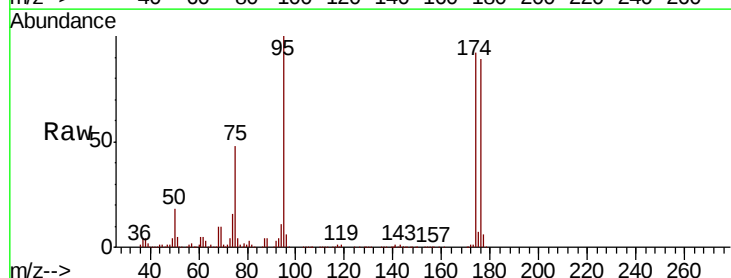
Tgt Ion: 75 Resp: 96870

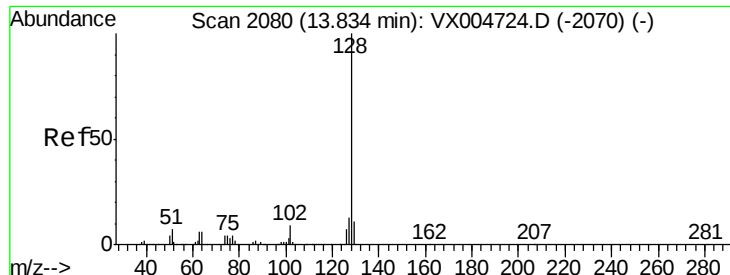
Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

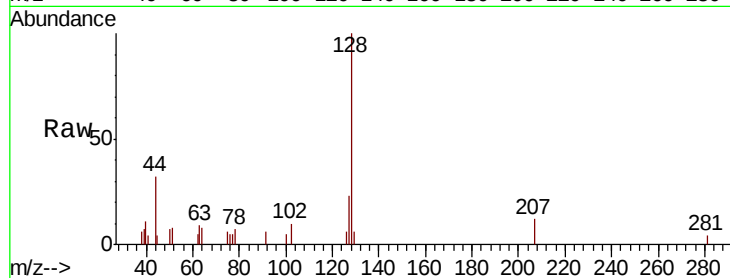




#95
Naphthalene
Concen: 0.810 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004822.D
Acq: 28 Sep 2018 15:38

Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB2

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.2	15.2#
129	8.0	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

