

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004892.D
 Acq On : 02 Oct 2018 01:44
 Operator : JC/MD
 Sample : J5161-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-ESJEBS-TB3

Quant Time: Oct 02 03:38:02 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	5.66	168	200402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	331066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182391	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	162411	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	5.50	113	136300	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.72	98	485268	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.14	95	171780	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	

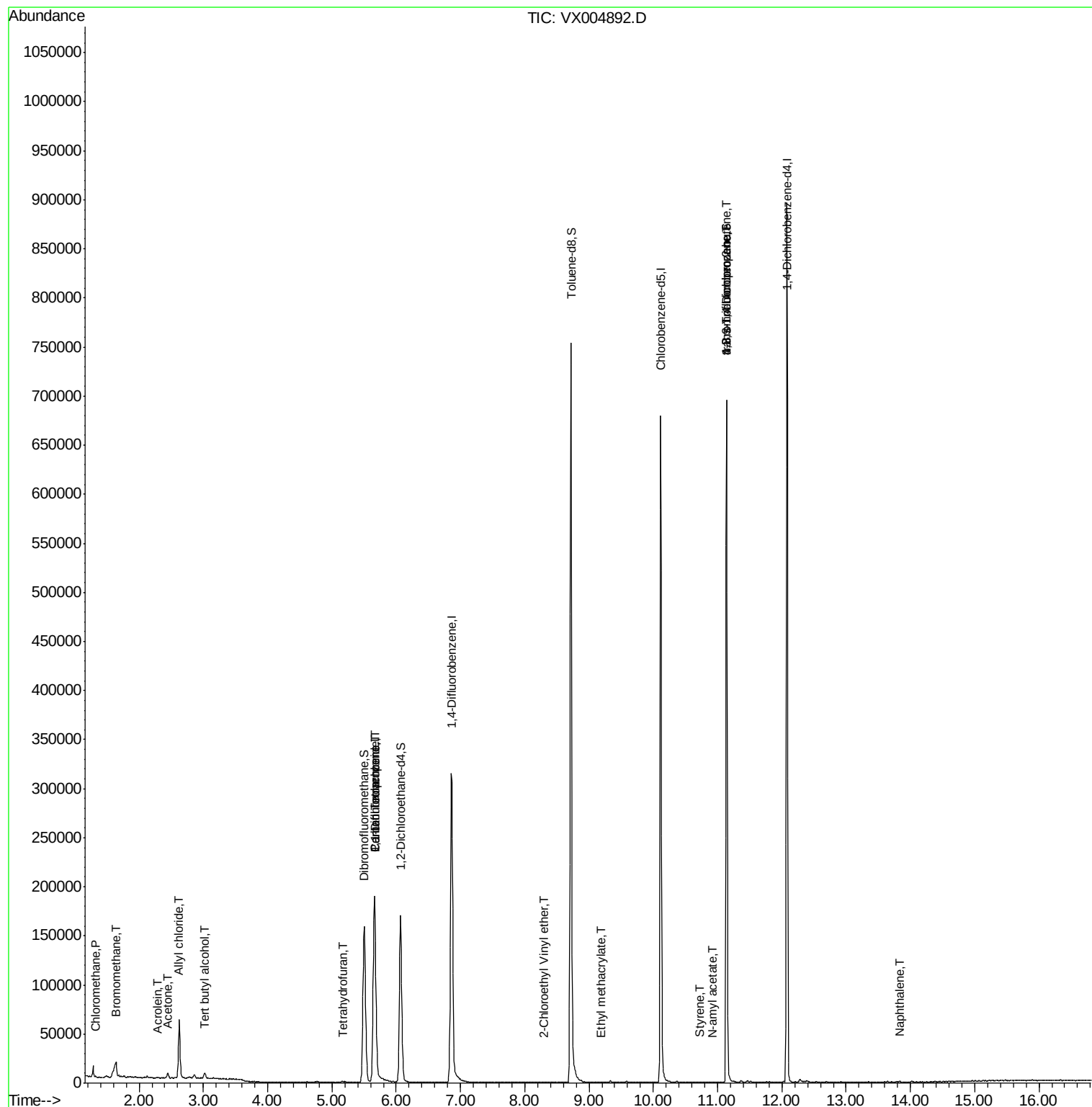
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	756	0.228	ug/l #	62
5) Bromomethane	1.64	94	1001	0.543	ug/l	82
6) Chloroethane	1.73	64	229	Below Cal		89
11) Tert butyl alcohol	3.02	59	3795	4.741	ug/l #	76
13) Acrolein	2.29	56	258	0.453	ug/l #	59
14) Allyl chloride	2.62	41	6017	1.270	ug/l #	63
16) Acetone	2.45	43	5427	3.247	ug/l	91
20) Methylene Chloride	2.85	84	1456	Below Cal		85
29) Tetrahydrofuran	5.16	42	957	0.625	ug/l #	62
36) 1,1-Dichloropropene	5.66	75	14396	3.761	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18024	4.479	ug/l #	16
56) Ethyl methacrylate	9.19	69	30	2.868	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.30	63	38	14.257	ug/l #	45
70) Styrene	10.72	104	149	2.156	ug/l #	80
74) N-amyl acetate	10.91	43	101	1.763	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	85717	20.968	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	224	Below Cal		73
81) trans-1,4-Dichloro-2-buten	11.14	75	85717	56.901	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	325	Below Cal		91
95) Naphthalene	13.83	128	452	0.749	ug/l #	84

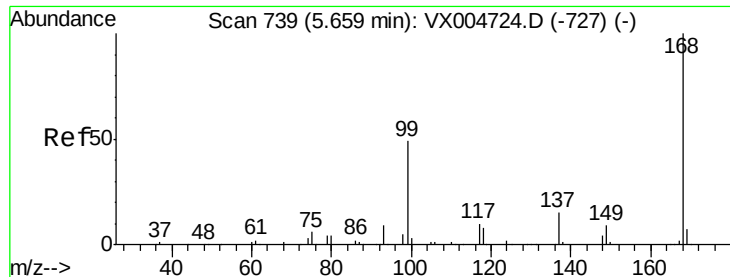
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004892.D
Acq On : 02 Oct 2018 01:44
Operator : JC/MD
Sample : J5161-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB3

Quant Time: Oct 02 03:38:02 2018
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: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004892.D

Acq: 02 Oct 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

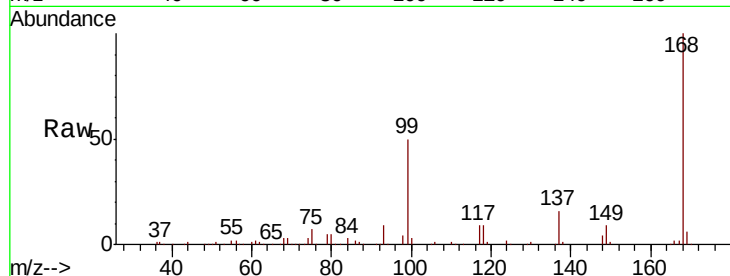
FA18-ESJEBS-TB3

Tot Ion:168 Resp: 200402

Ion Ratio Lower Upper

168 100

99 50.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

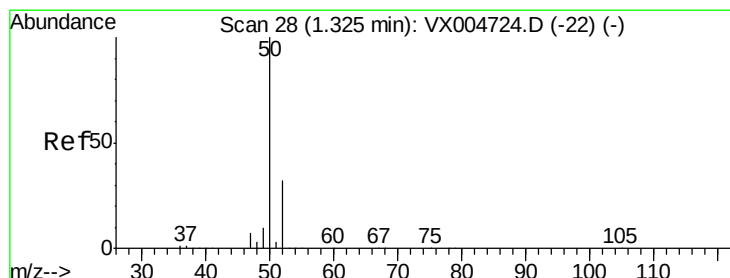
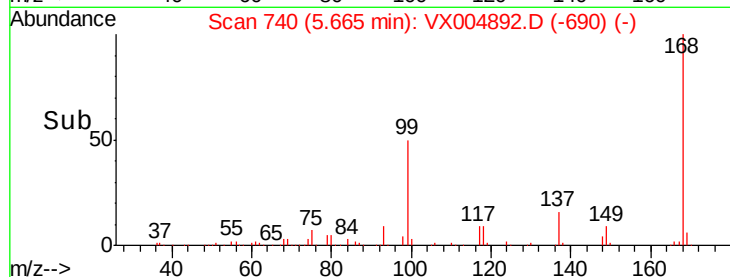
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004892.D

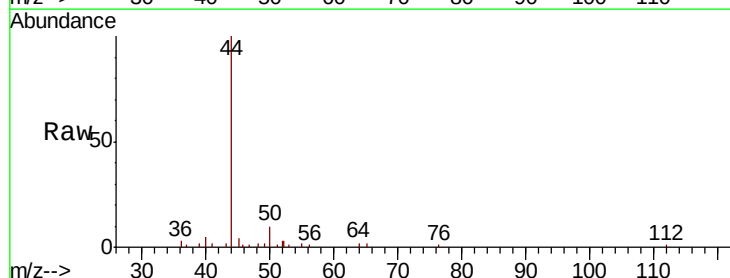
Acq: 02 Oct 2018 01:44

Tgt Ion: 50 Resp: 756

Ion Ratio Lower Upper

50 100

52 54.0 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

500

400

300

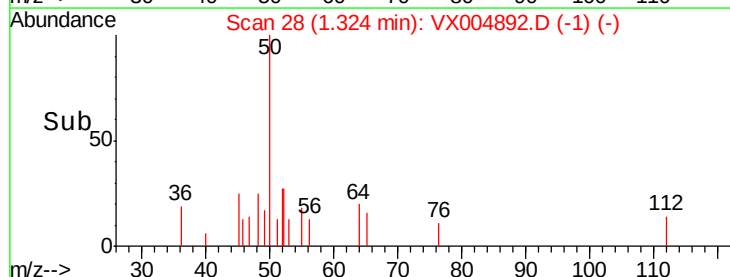
200

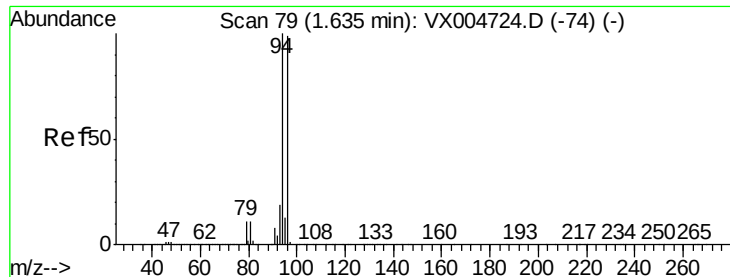
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.543 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004892.D

Acq: 02 Oct 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

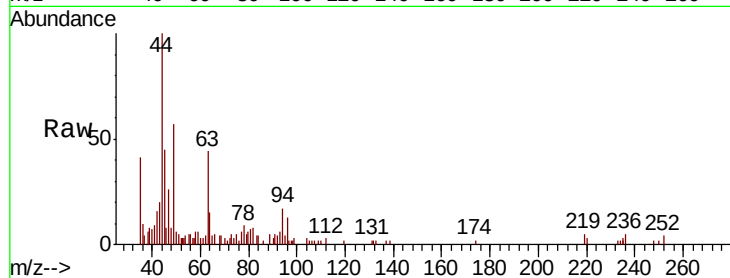
FA18-ESJEBS-TB3

Tot Ion: 94 Resp: 1001

Ion Ratio Lower Upper

94 100

96 75.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

200

100

0

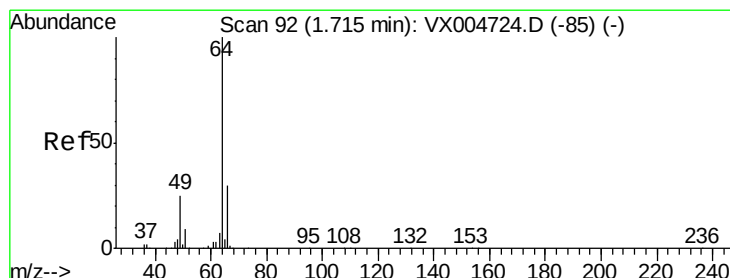
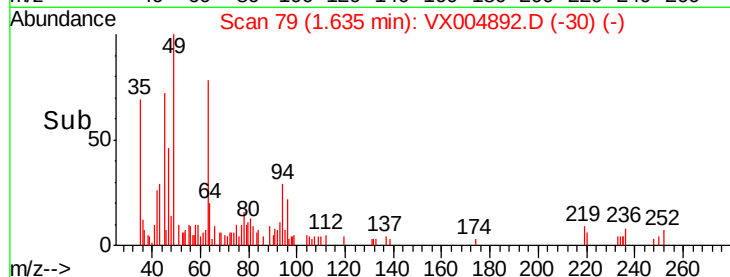
1.55

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX004892.D

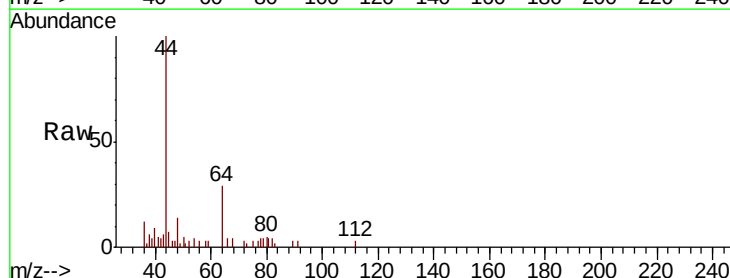
Acq: 02 Oct 2018 01:44

Tgt Ion: 64 Resp: 229

Ion Ratio Lower Upper

64 100

66 24.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1000

800

600

400

200

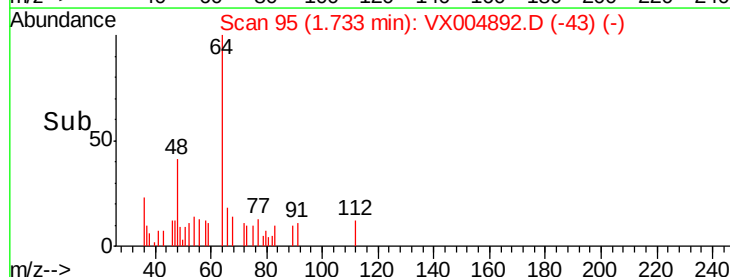
0

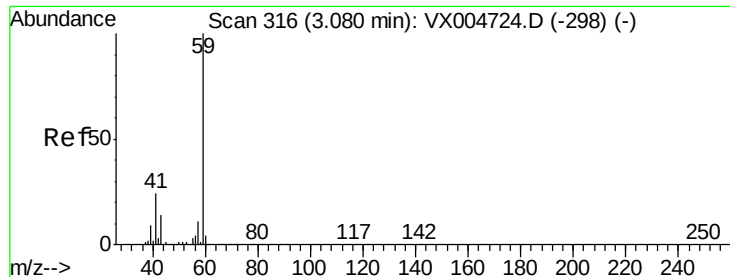
1.72

1.74

1.76

Time-->

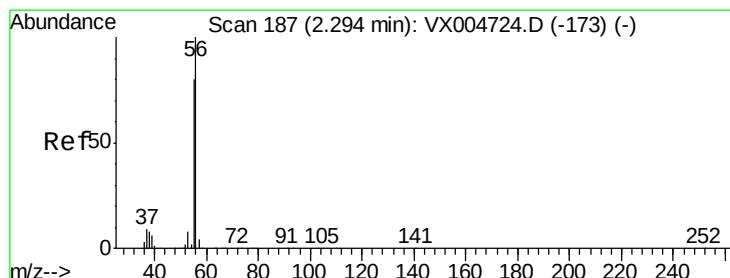
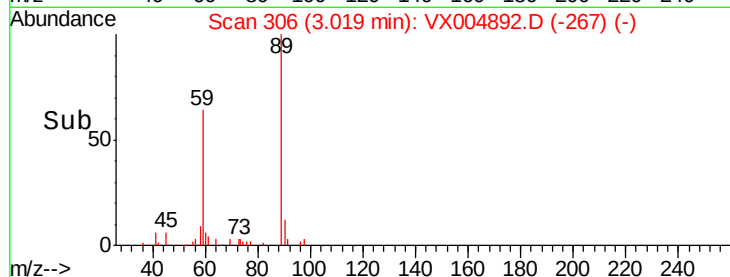
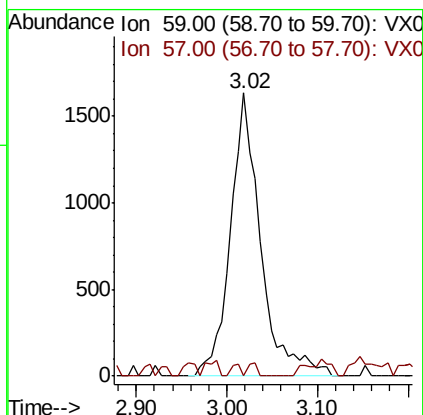
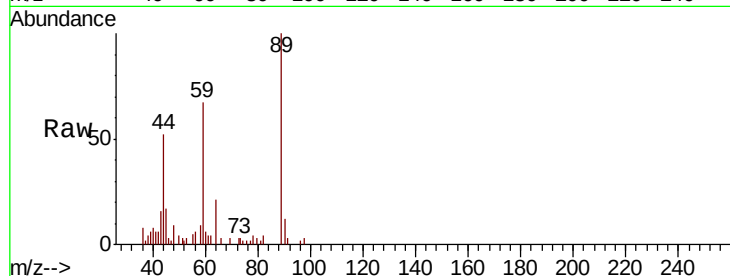




#11
Tert butyl alcohol
Concen: 4.741 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

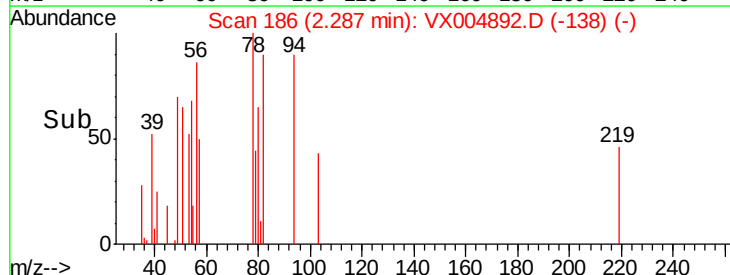
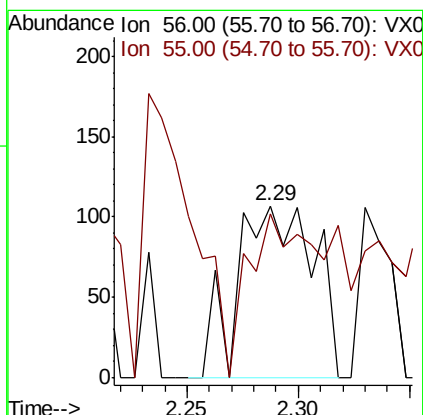
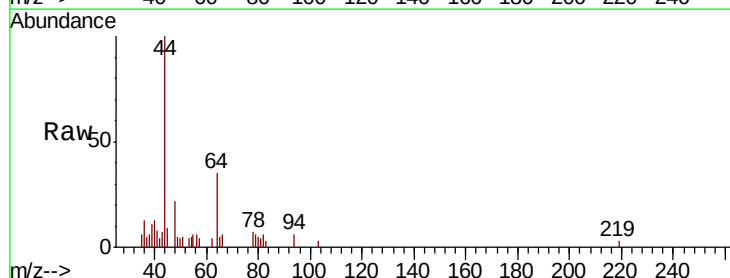
Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB3

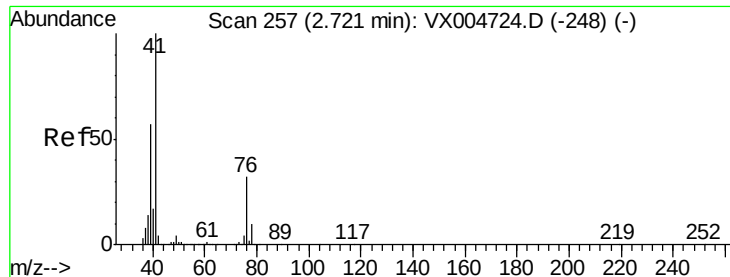
Tot Ion: 59 Resp: 3795
Ion Ratio Lower Upper
59 100
57 1.3 8.2 12.4#



#13
Acrolein
Concen: 0.453 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 101.9 54.7 82.1#

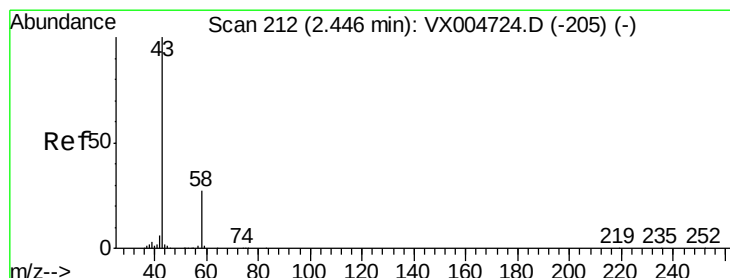
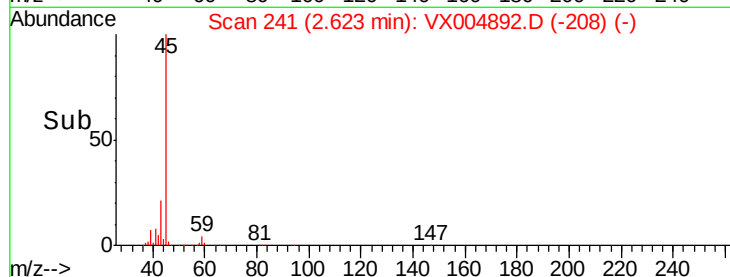
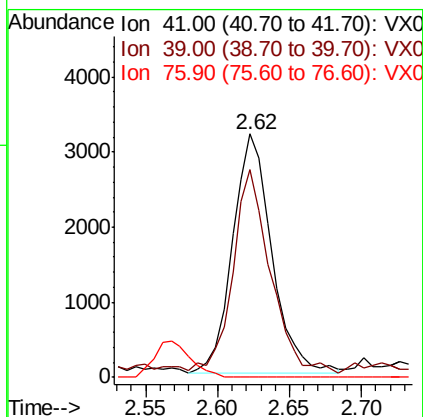
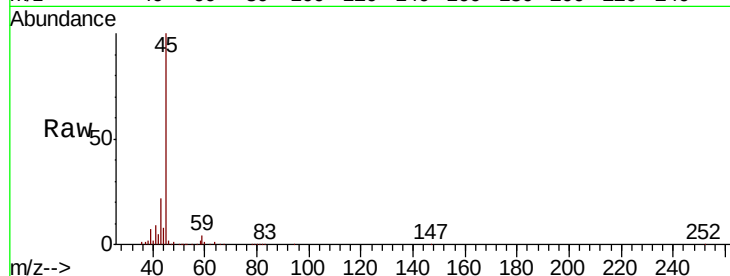




#14
Allvl chloride
Concen: 1.270 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

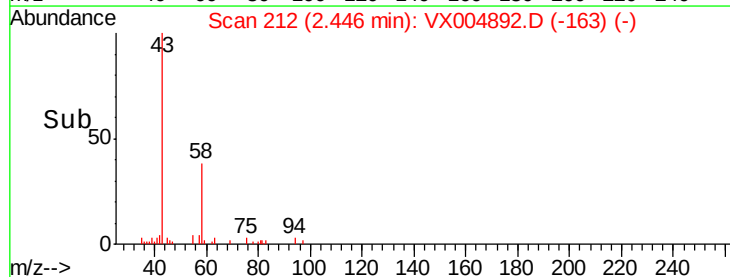
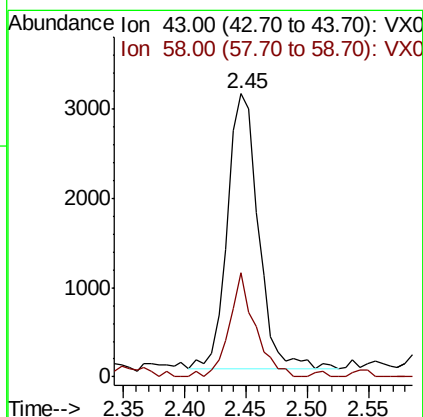
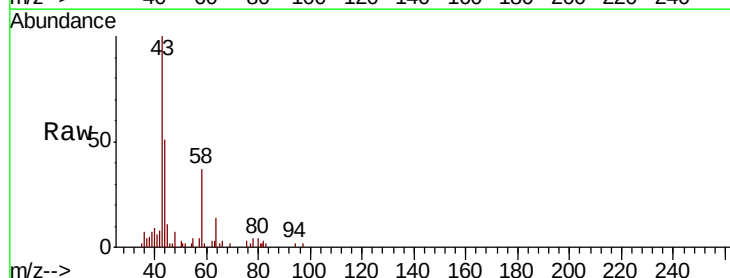
Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB3

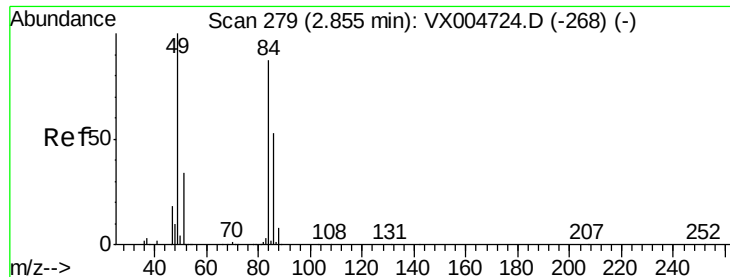
Tot Ion: 41 Resp: 6017
Ion Ratio Lower Upper
41 100
39 80.8 48.9 73.3#
76 0.0 26.7 40.1#



#16
Acetone
Concen: 3.247 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

Tgt Ion: 43 Resp: 5427
Ion Ratio Lower Upper
43 100
58 38.0 26.2 39.4

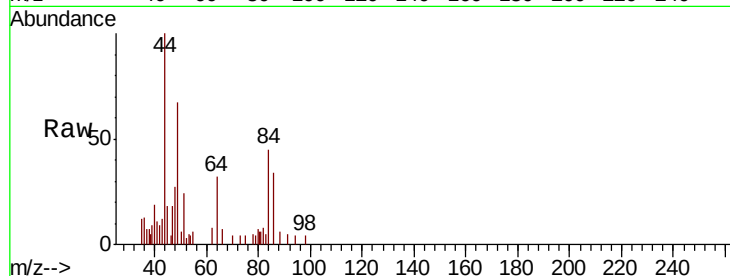




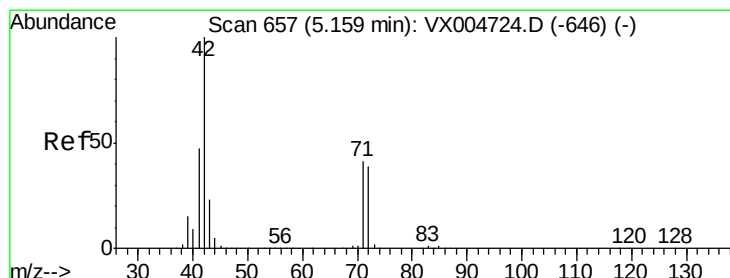
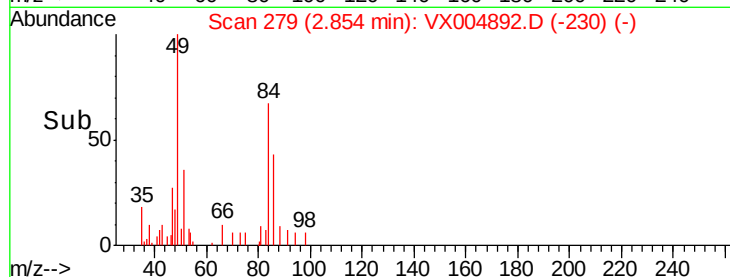
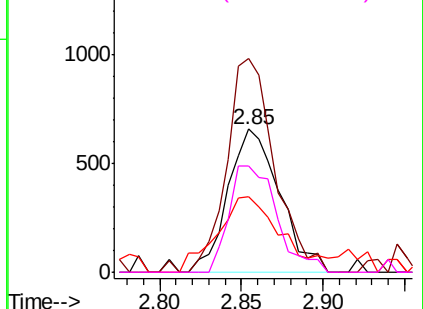
#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB3

Tot Ion: 84 Resp: 1456
Ion Ratio Lower Upper
84 100
49 148.9 101.2 151.8
51 42.0 29.5 44.3
86 74.4 52.3 78.5

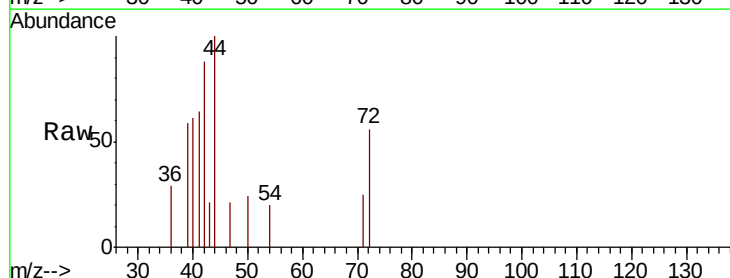


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

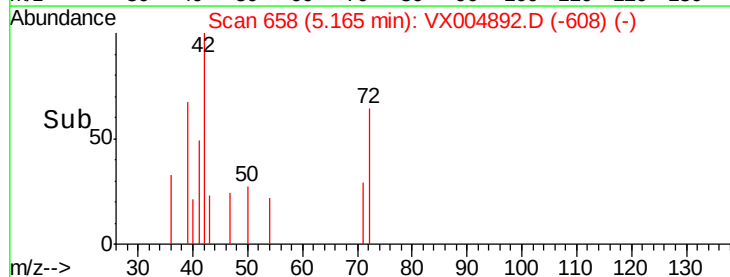
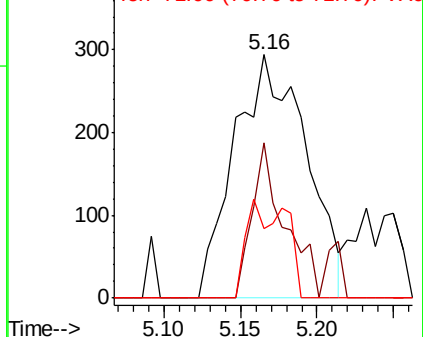


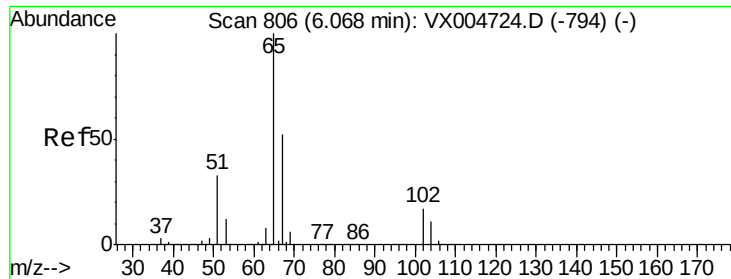
#29
Tetrahydrofuran
Concen: 0.625 ug/l
RT: 5.16 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

Tgt Ion: 42 Resp: 957
Ion Ratio Lower Upper
42 100
72 28.9 37.4 56.0#
71 10.6 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

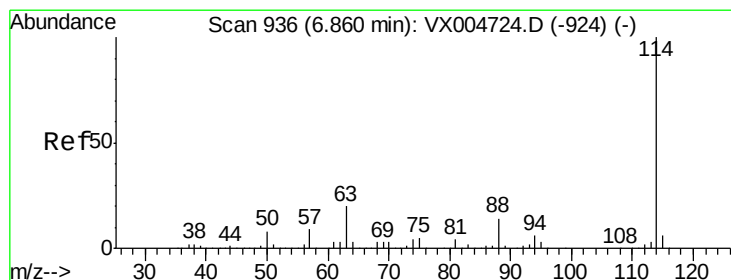
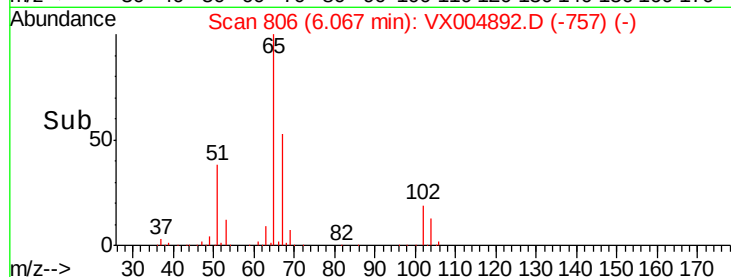
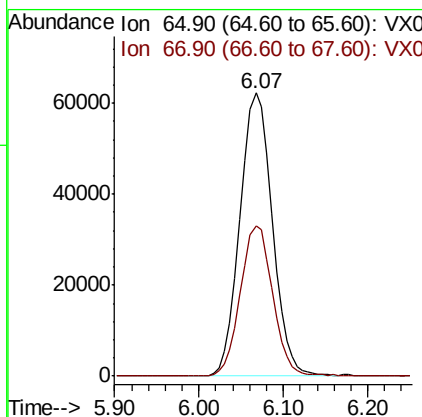
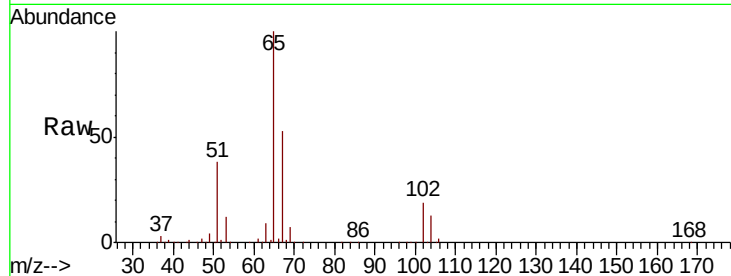




#33
 1,2-Dichloroethane-d4
 Concen: 56.733 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004892.D
 Acq: 02 Oct 2018 01:44

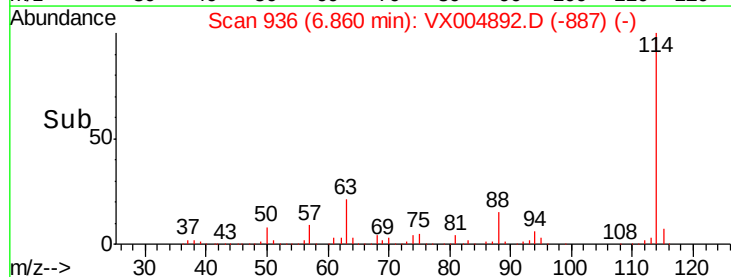
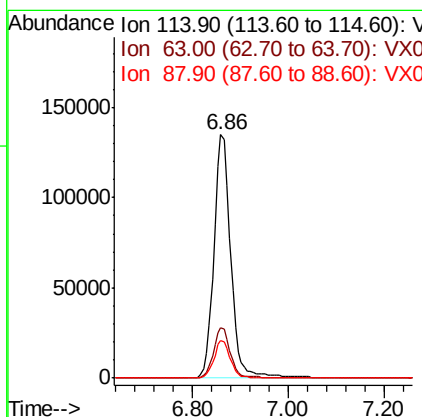
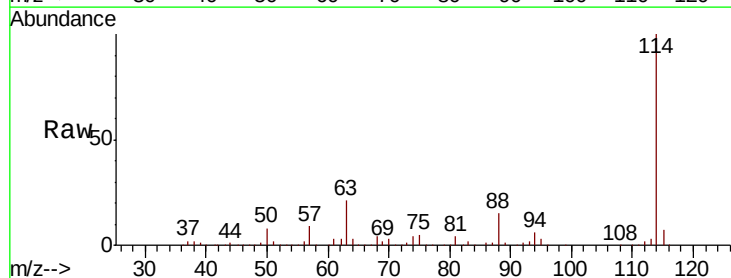
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-ESJEBS-TB3

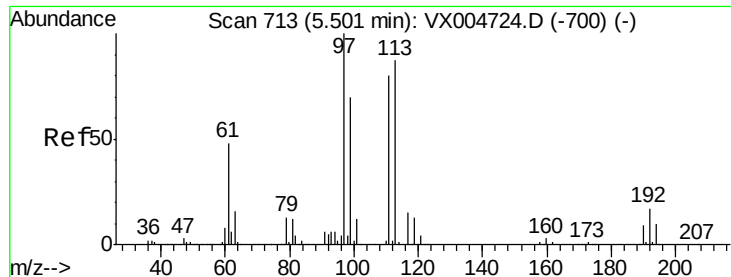
Tot Ion: 65 Resp: 162411
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004892.D
 Acq: 02 Oct 2018 01:44

Tgt Ion: 114 Resp: 331066
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.0
 88 15.4 0.0 30.4

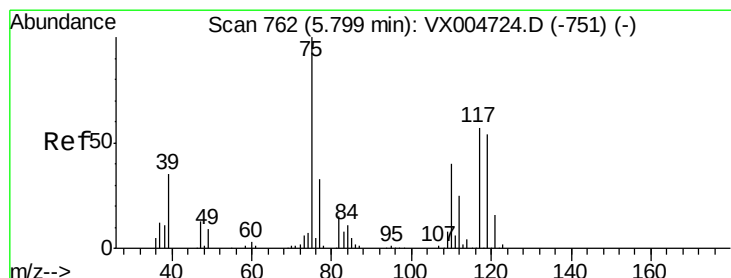
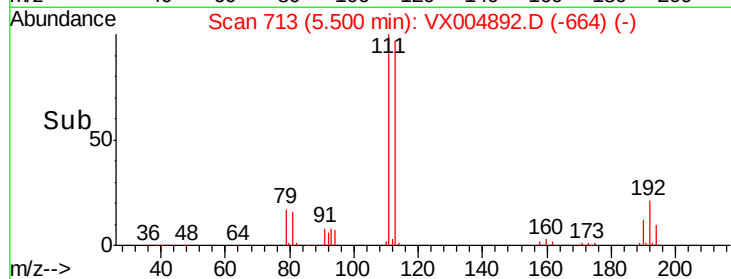
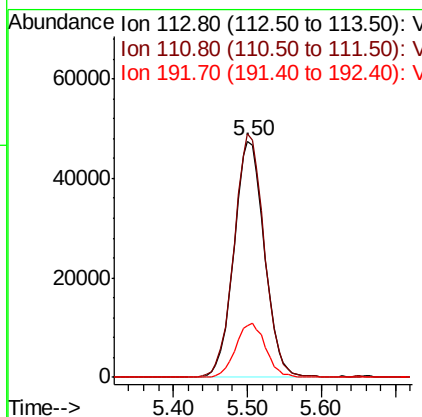
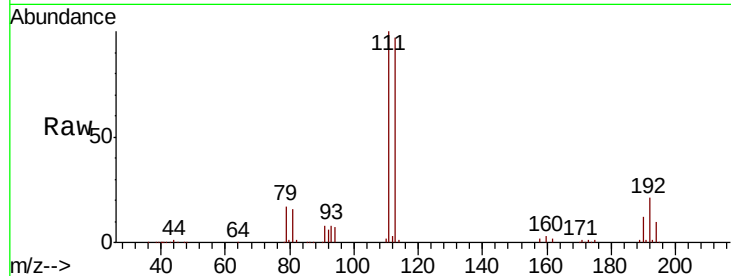




#35
 Dibromofluoromethane
 Concen: 48.577 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004892.D
 Acq: 02 Oct 2018 01:44

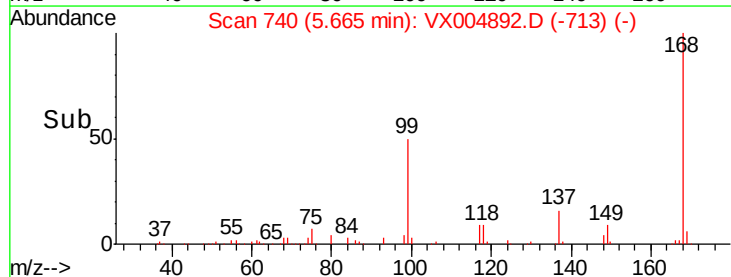
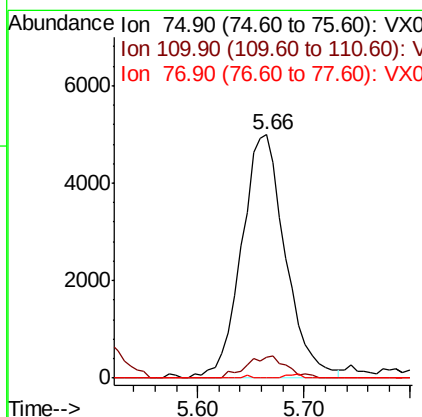
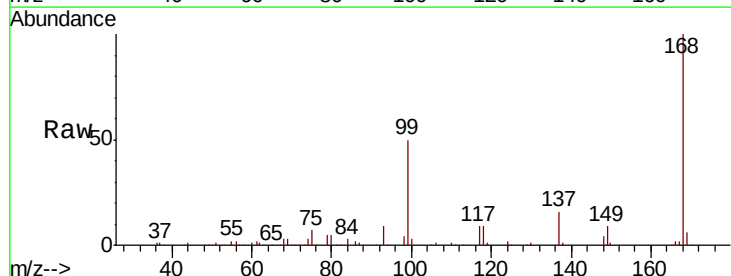
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-ESJEBS-TB3

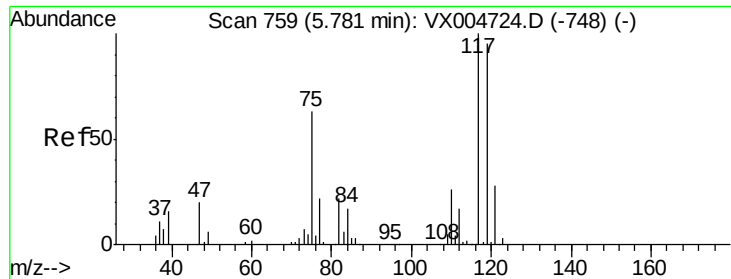
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	22.7	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.761 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004892.D
 Acq: 02 Oct 2018 01:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.0	54.0#
77	0.0	24.6	36.8#

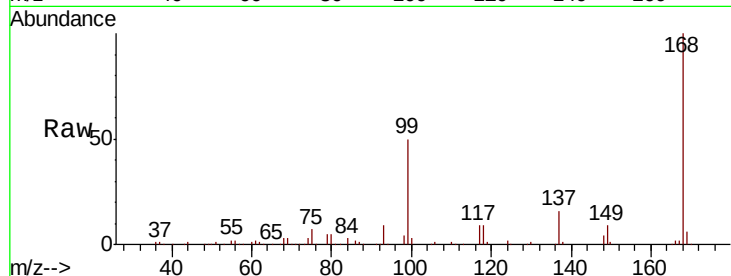




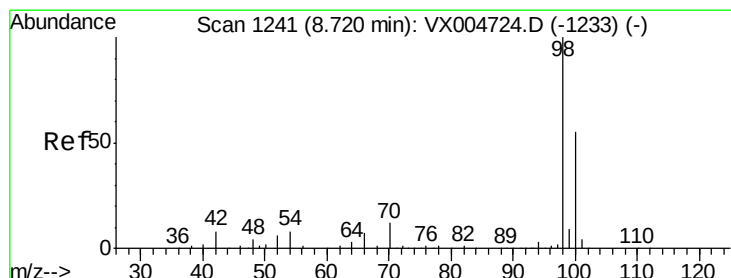
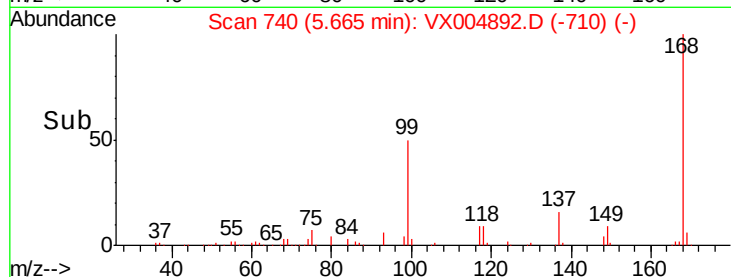
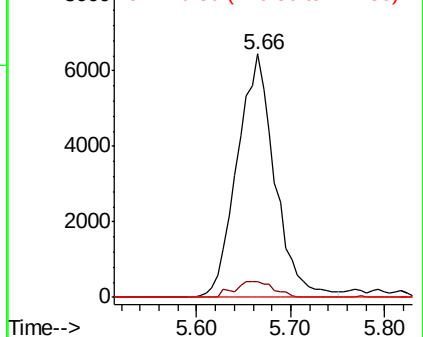
#38
Carbon Tetrachloride
Concen: 4.479 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB3

Tot Ion:117 Resp: 18024
Ion Ratio Lower Upper
117 100
119 6.3 78.8 118.2#
121 0.0 24.9 37.3#

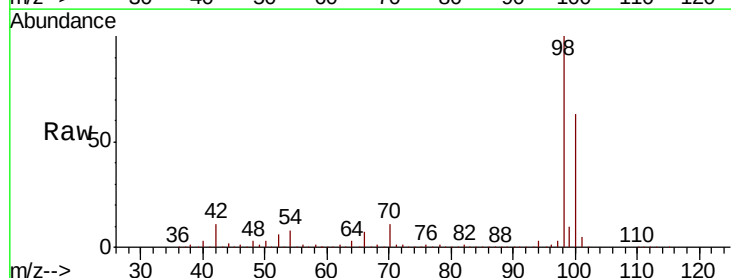


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

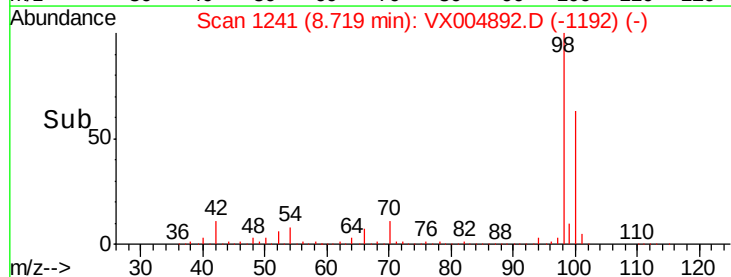
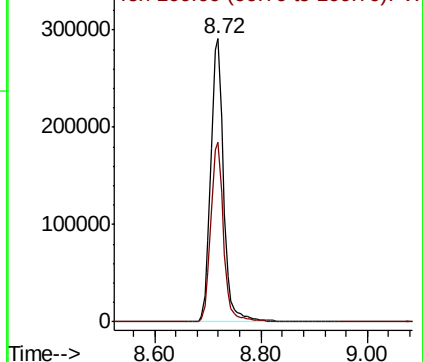


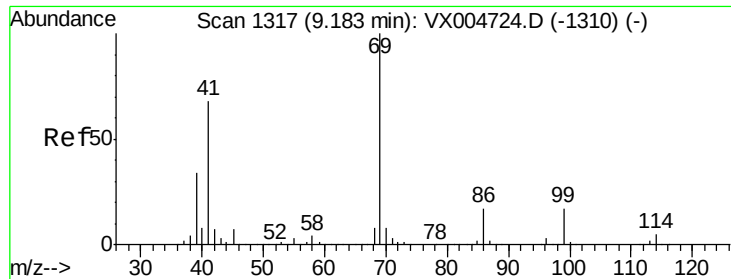
#50
Toluene-d8
Concen: 52.023 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

Tgt Ion: 98 Resp: 485268
Ion Ratio Lower Upper
98 100
100 63.2 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: 2.868 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX004892.D

Acq: 02 Oct 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB3

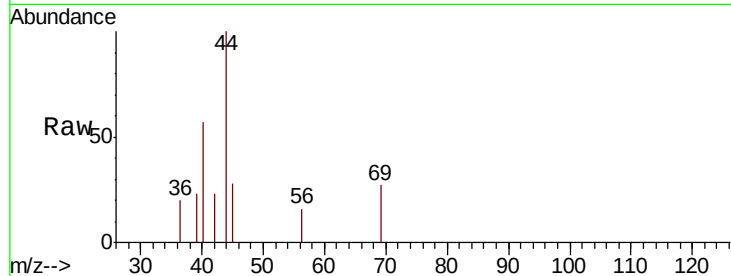
Tot Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 243.3 51.0 76.4#

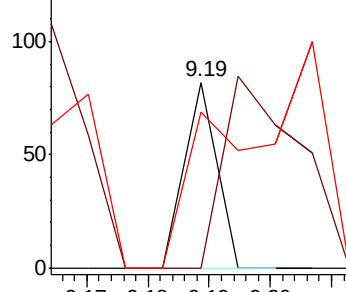
39 213.3 26.1 39.1#



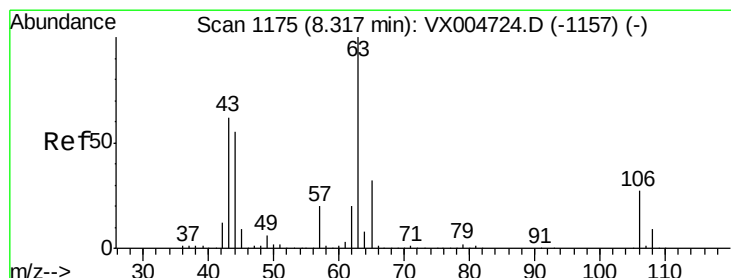
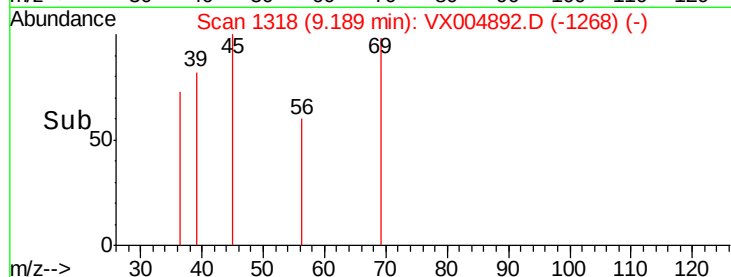
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 14.257 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX004892.D

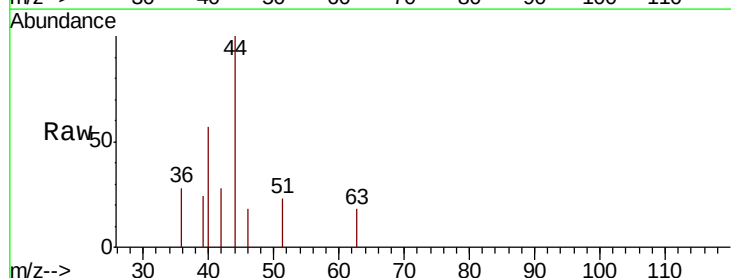
Acq: 02 Oct 2018 01:44

Tgt Ion: 63 Resp: 38

Ion Ratio Lower Upper

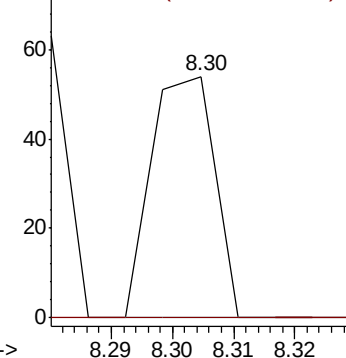
63 100

106 0.0 23.9 35.9#

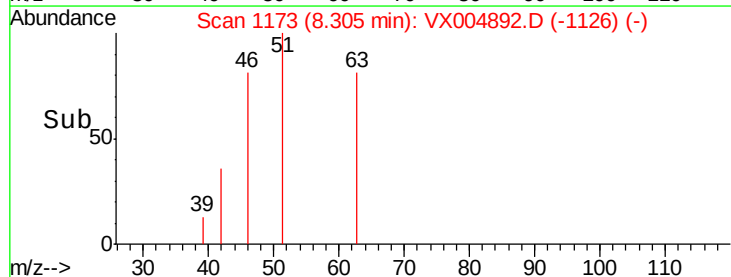


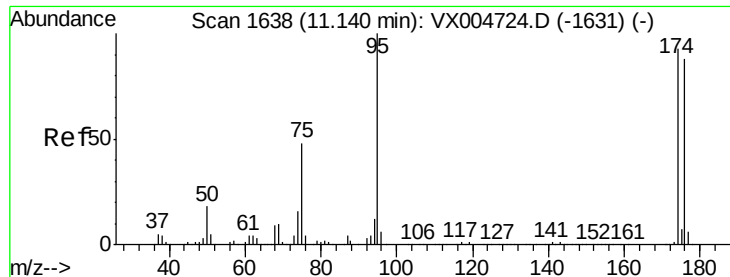
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->

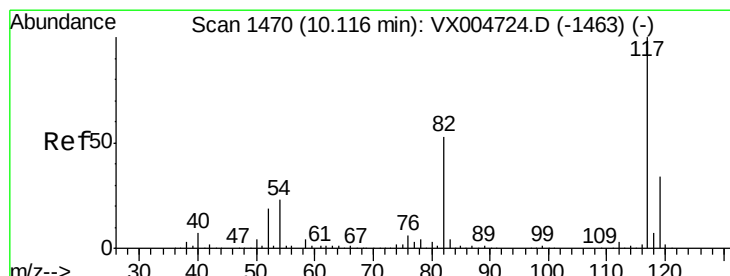
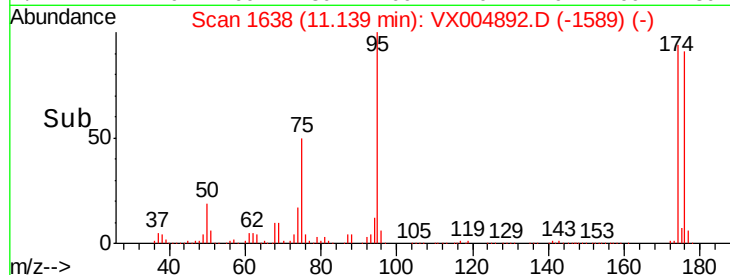
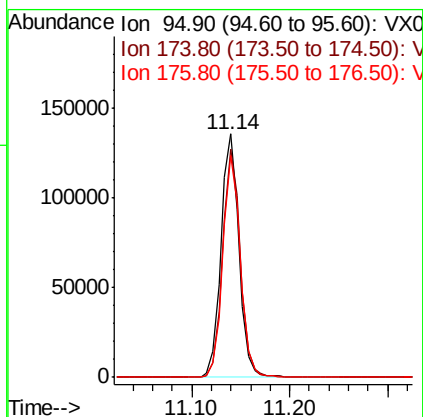
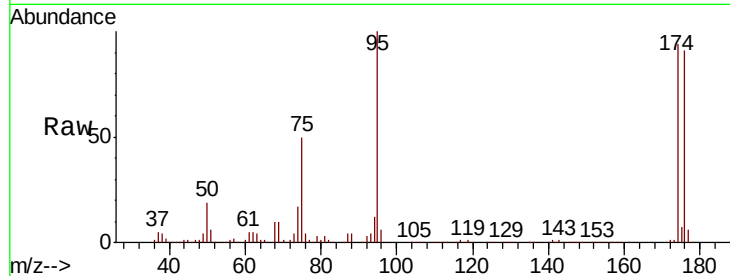




#62
4-Bromofluorobenzene
Concen: 51.118 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

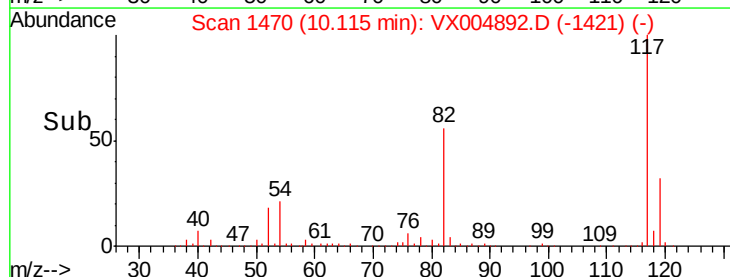
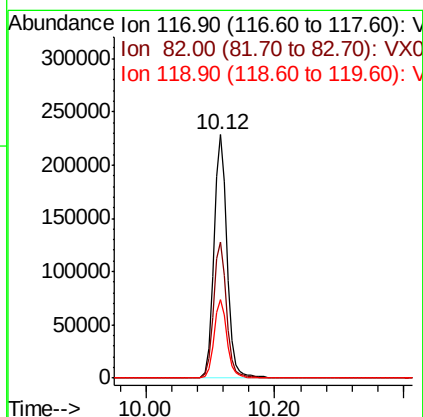
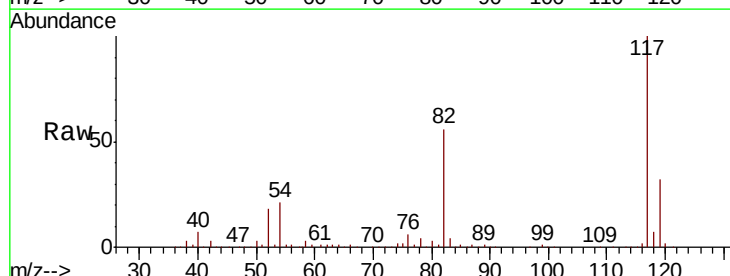
Instrument :
MSVOA_X
ClientSampleId :
FA18-ESJEBS-TB3

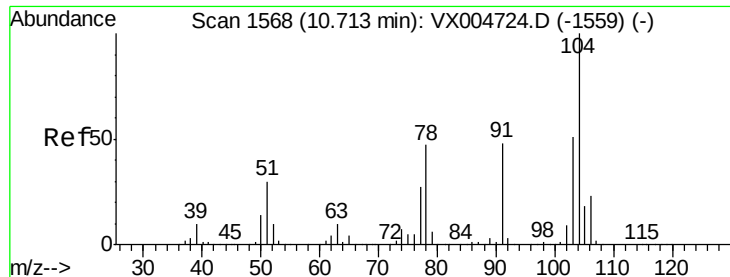
Tot Ion: 95 Resp: 171780
Ion Ratio Lower Upper
95 100
174 92.8 0.0 185.2
176 89.3 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004892.D
Acq: 02 Oct 2018 01:44

Tgt Ion: 117 Resp: 328149
Ion Ratio Lower Upper
117 100
82 55.8 47.8 71.6
119 32.3 29.3 43.9





#70

Stvrene

Concen: 2.156 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX004892.D

Acq: 02 Oct 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB3

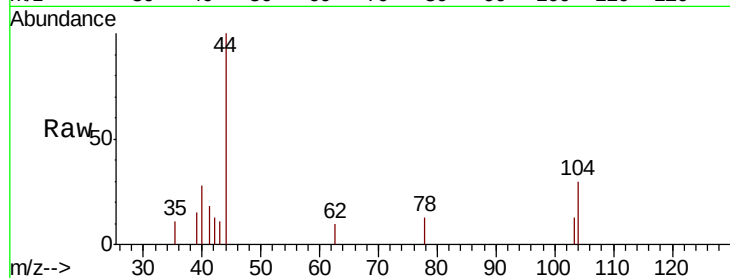
Tot Ion:104 Resp: 149

Ion Ratio Lower Upper

104 100

78 49.7 37.4 56.0

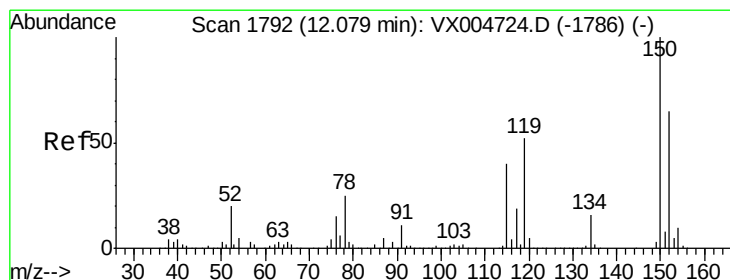
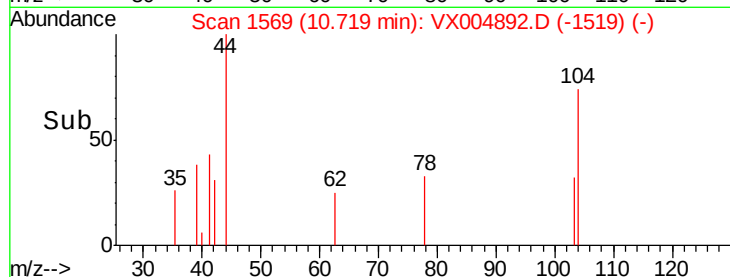
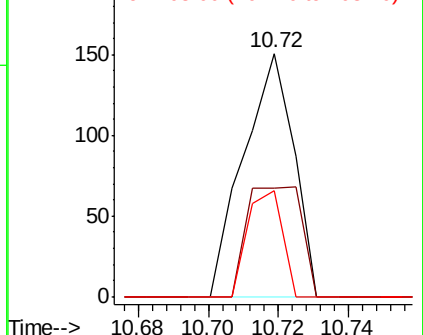
103 30.2 43.8 65.6#



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: VX004892.D

Acq: 02 Oct 2018 01:44

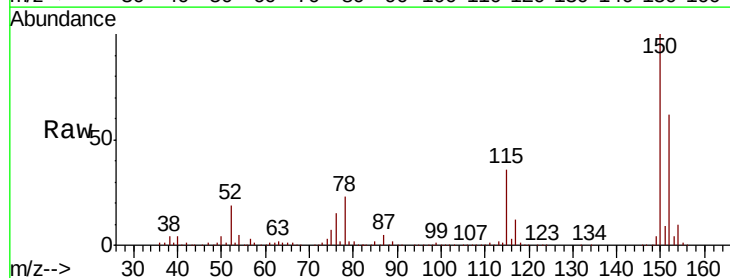
Tgt Ion:152 Resp: 182391

Ion Ratio Lower Upper

152 100

115 55.9 39.0 117.0

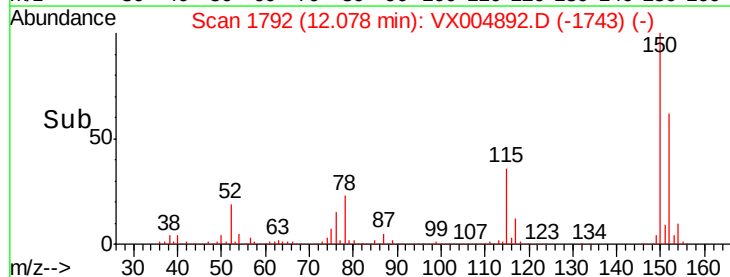
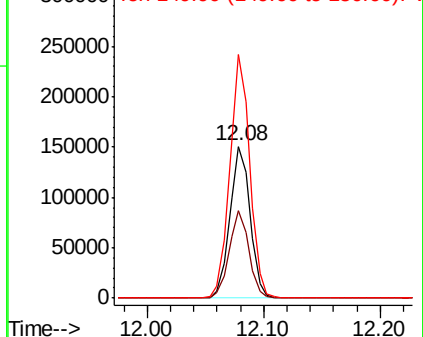
150 158.0 0.0 351.0

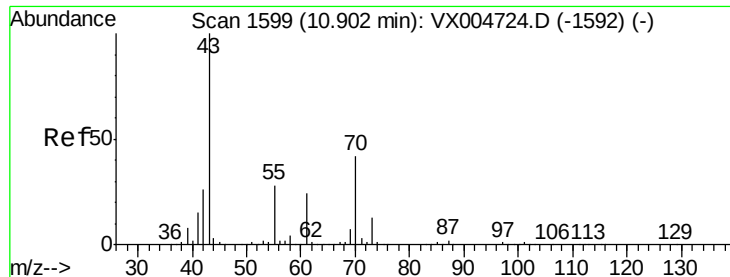


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.763 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004892.D

Acq: 02 Oct 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB3

Tot Ion: 43 Resp: 101

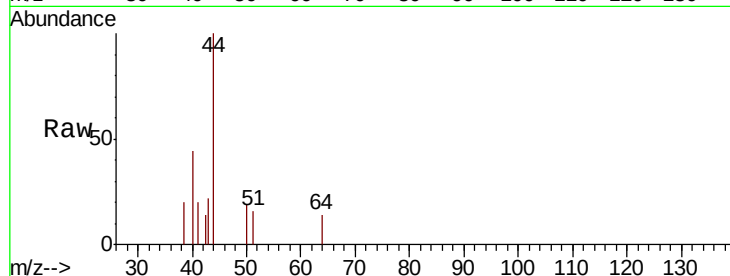
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

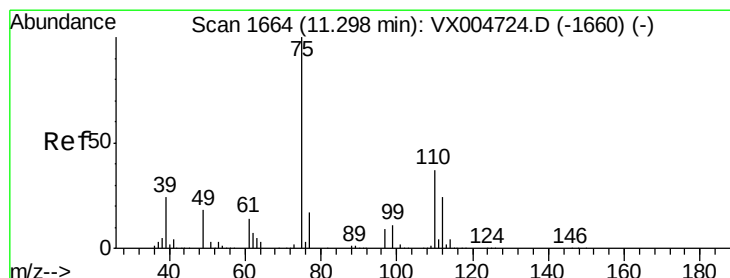
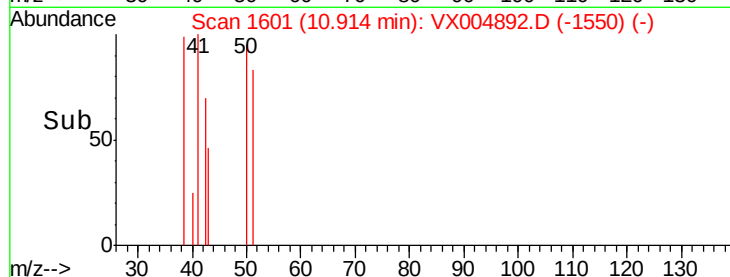
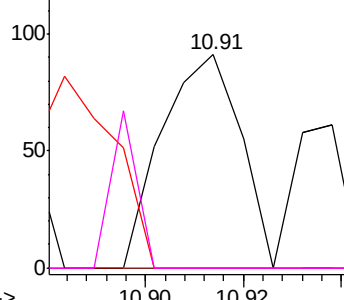


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.968 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004892.D

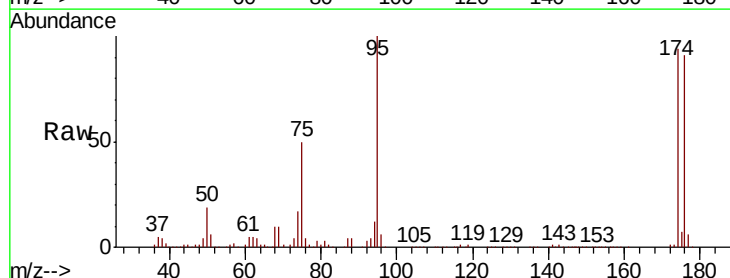
Acq: 02 Oct 2018 01:44

Tgt Ion: 75 Resp: 85717

Ion Ratio Lower Upper

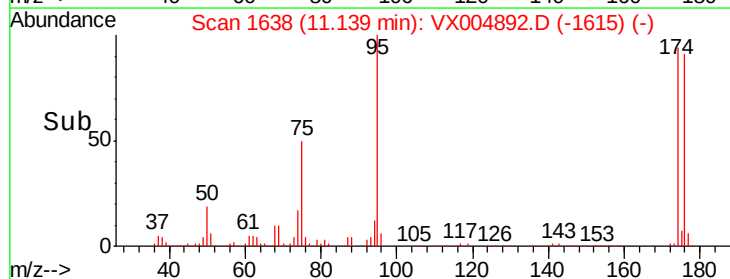
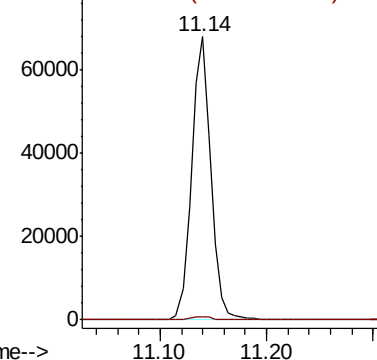
75 100

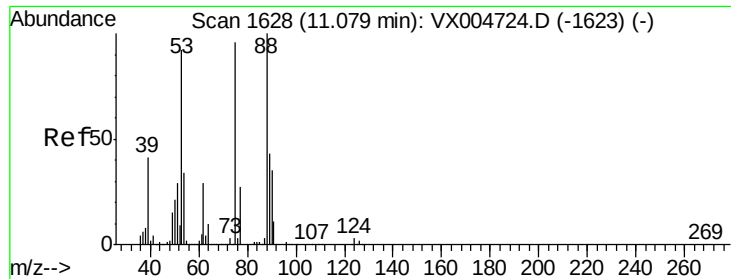
77 1.3 20.2 60.6#



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: 56.901 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004892.D

Acq: 02 Oct 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

FA18-ESJEBS-TB3

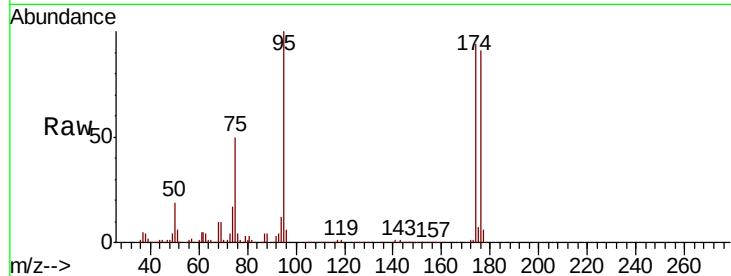
Tot Ion: 75 Resp: 85717

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

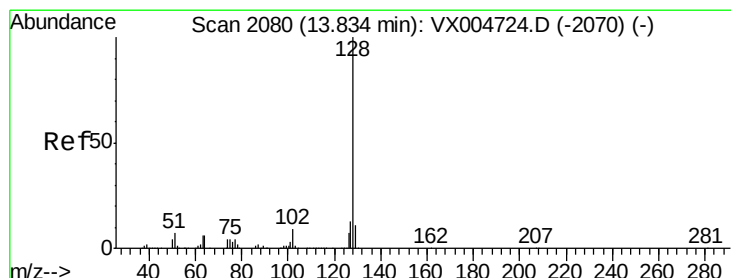
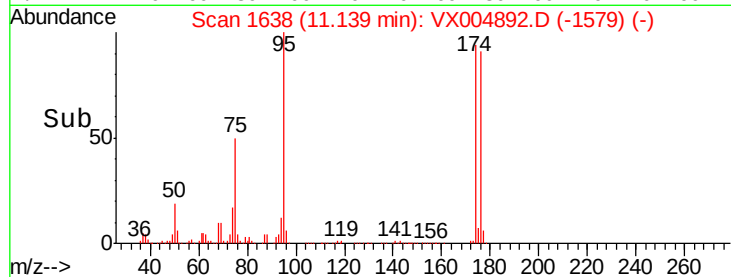
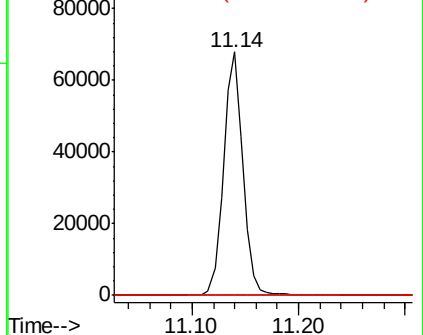
89 0.0 37.2 55.8#



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: 0.749 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004892.D

Acq: 02 Oct 2018 01:44

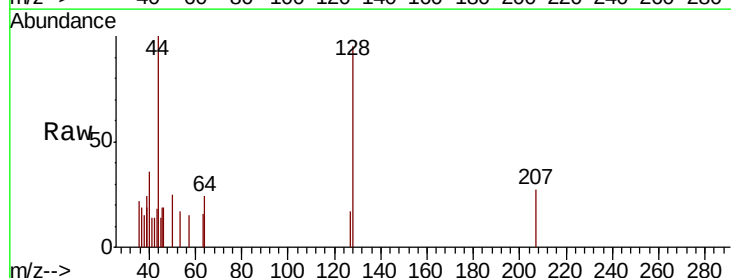
Tgt Ion: 128 Resp: 452

Ion Ratio Lower Upper

128 100

127 10.6 10.2 15.2

129 0.0 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

