

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
 Data File : VX006073.D
 Acq On : 17 Nov 2018 17:19
 Operator : JC/MD
 Sample : J5860-24ME
 Misc : 4.56µ/5mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-111(14-16)ME

Quant Time: Nov 19 00:17:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	118611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	192799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	148153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100162	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	72829	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	5.50	113	53530	40.82	ug/l	0.00
Spiked Amount			Recovery	=	81.64%	
50) Toluene-d8	8.71	98	194033	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
62) 4-Bromofluorobenzene	11.14	95	67505	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	

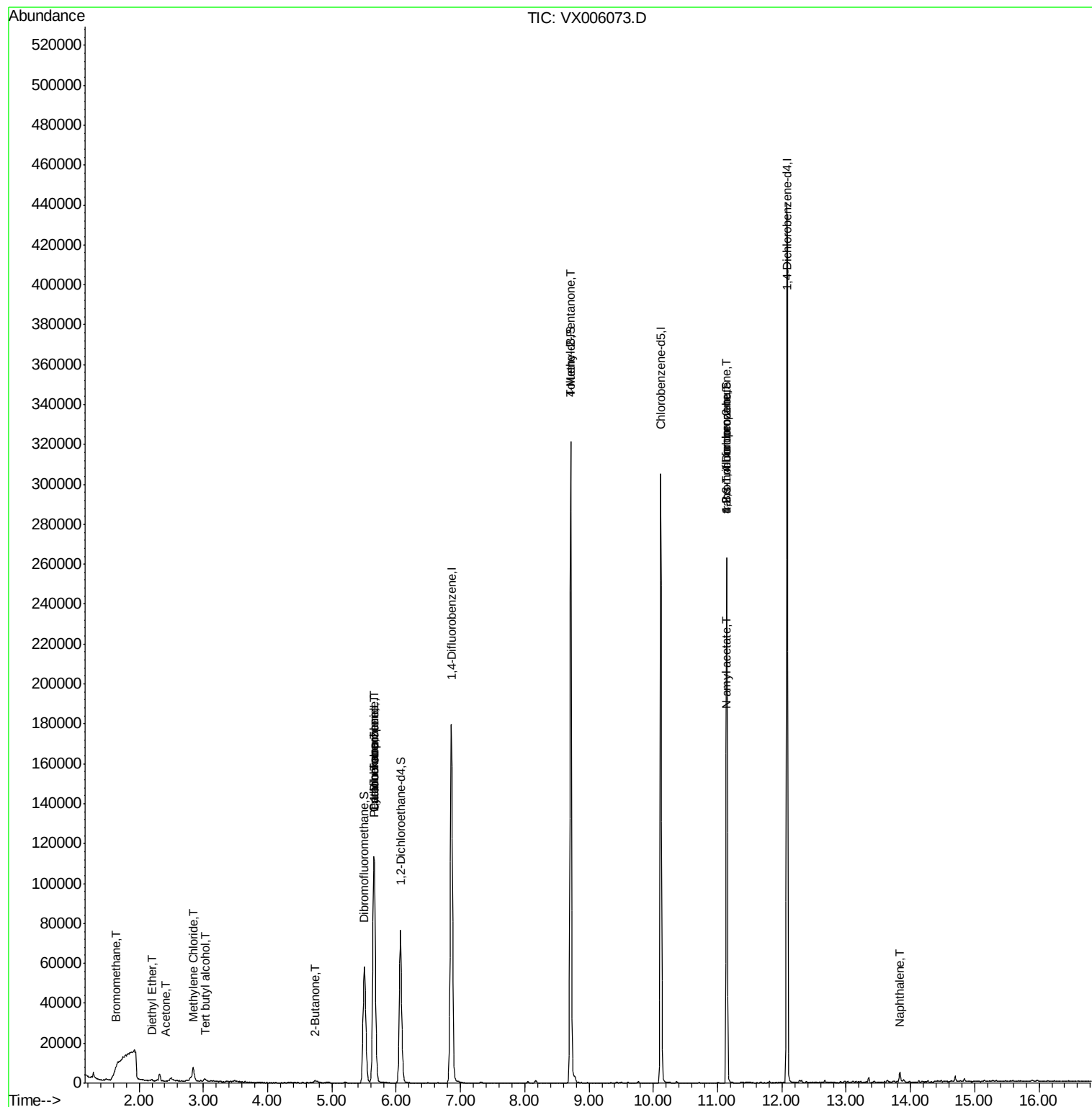
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	493	0.572	ug/l #	74
8) Diethyl Ether	2.20	74	194	0.265	ug/l #	11
11) Tert butyl alcohol	3.03	59	771	1.974	ug/l #	72
16) Acetone	2.41	43	150	0.204	ug/l #	45
18) Methyl Acetate	2.80	43	1818	Below Cal	#	89
20) Methylene Chloride	2.84	84	3336	2.766	ug/l	92
25) 2-Butanone	4.74	43	1480	1.282	ug/l	93
31) Cyclohexane	5.65	56	2121	1.117	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	8284	4.457	ug/l #	48
38) Carbon Tetrachloride	5.65	117	10625	5.710	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1010	0.452	ug/l #	1
74) N-amyl acetate	11.13	43	19	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	33285	16.320	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	33285	52.015	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	638	Below Cal		92
95) Naphthalene	13.84	128	3442	1.644	ug/l	97

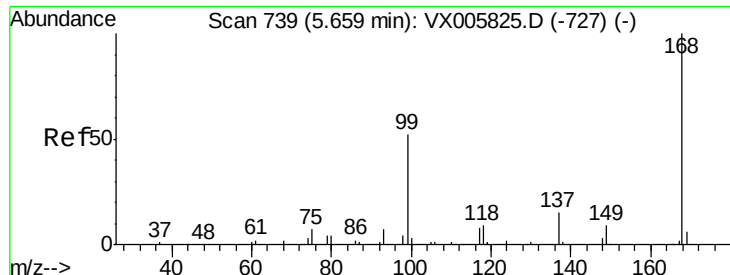
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006073.D

Acq: 17 Nov 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

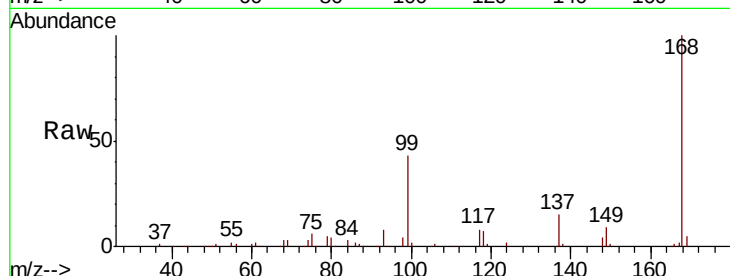
EP2-SB-111(14-16)ME

Tot Ion:168 Resp: 118611

Ion Ratio Lower Upper

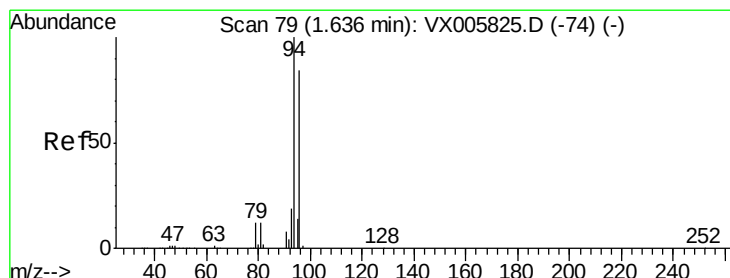
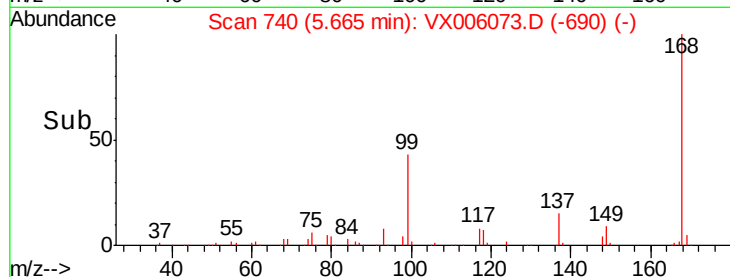
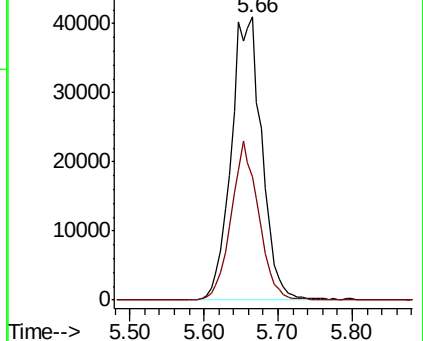
168 100

99 43.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.572 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006073.D

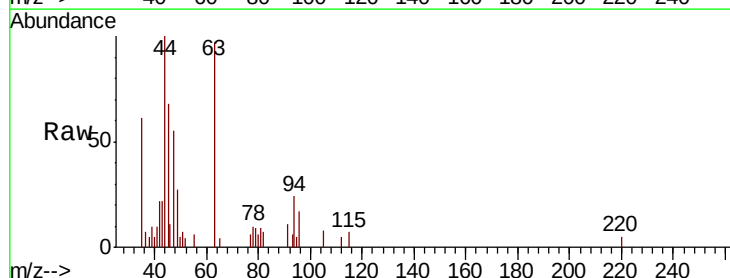
Acq: 17 Nov 2018 17:19

Tgt Ion: 94 Resp: 493

Ion Ratio Lower Upper

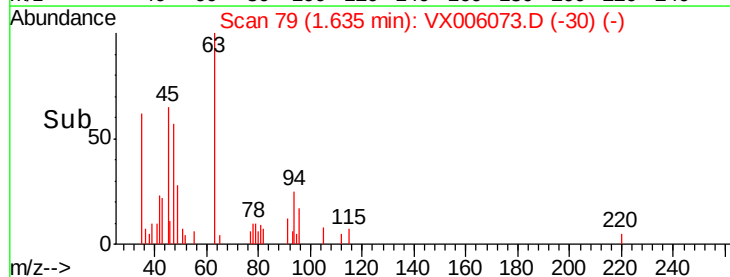
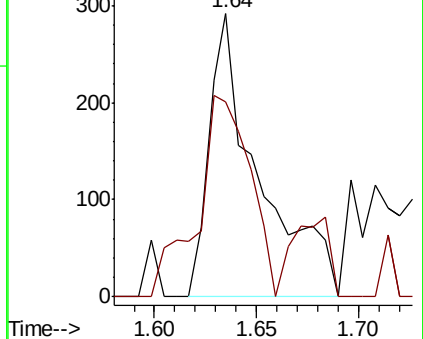
94 100

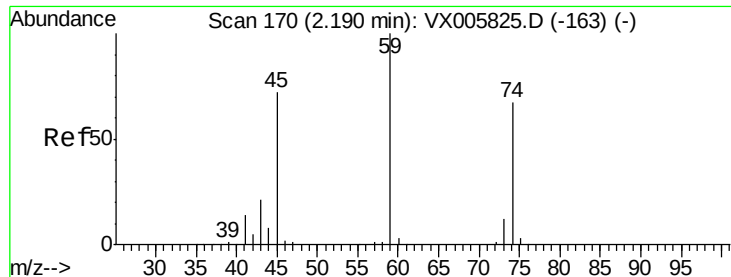
96 68.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.265 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX006073.D

Acq: 17 Nov 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

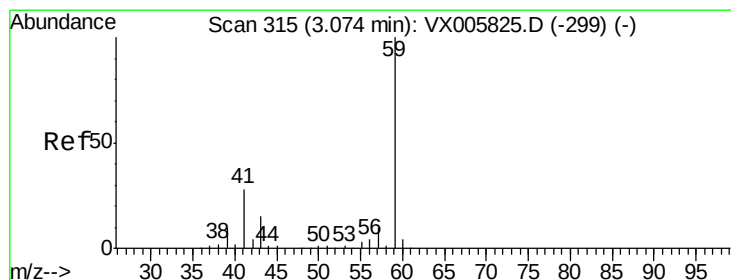
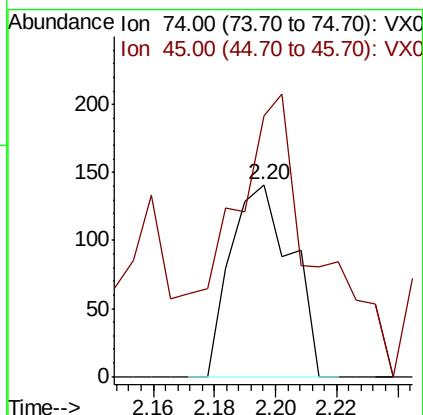
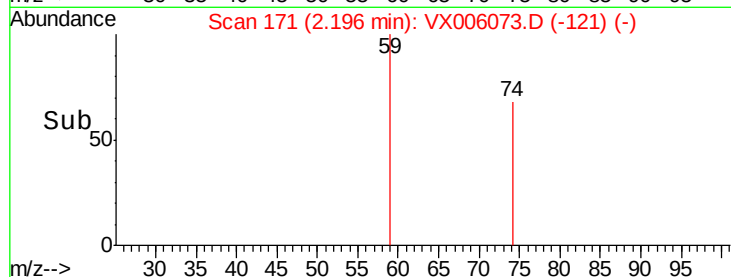
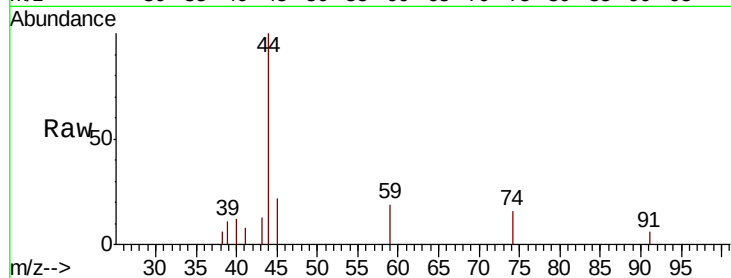
EP2-SB-111(14-16)ME

Tot Ion: 74 Resp: 194

Ion Ratio Lower Upper

74 100

45 201.0 54.1 162.3#



#11

Tert butyl alcohol

Concen: 1.974 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.04 min

Lab File: VX006073.D

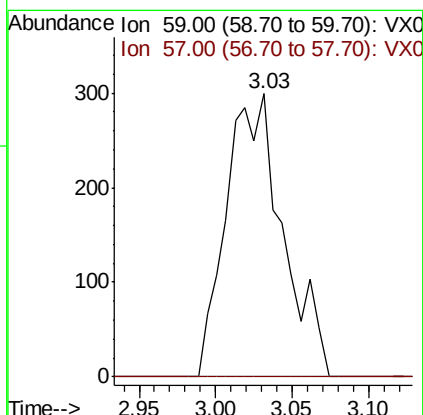
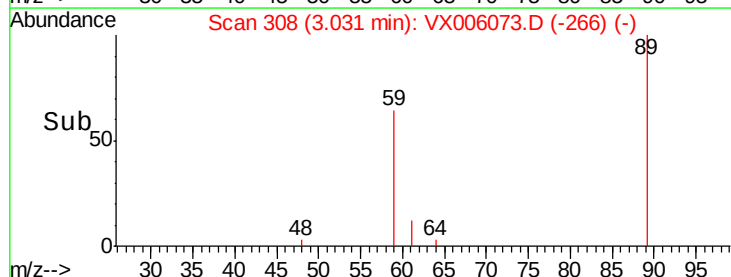
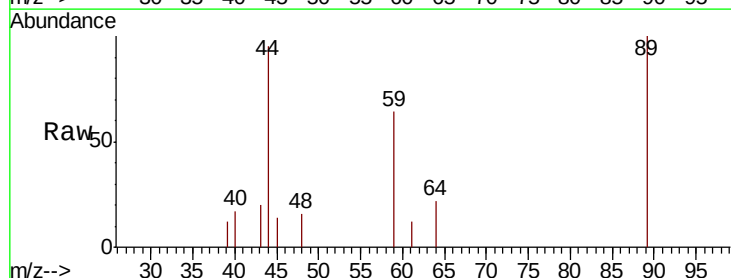
Acq: 17 Nov 2018 17:19

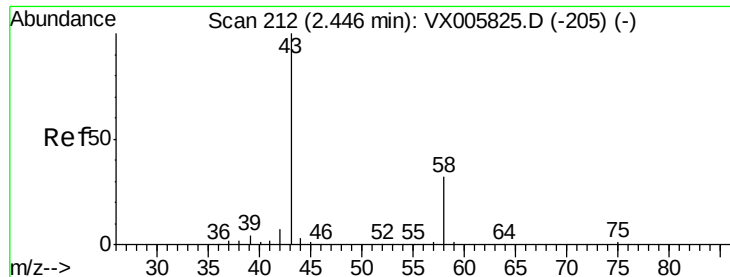
Tgt Ion: 59 Resp: 771

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.204 ug/l

RT: 2.41 min Scan# 206

Delta R.T. -0.04 min

Lab File: VX006073.D

Acq: 17 Nov 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

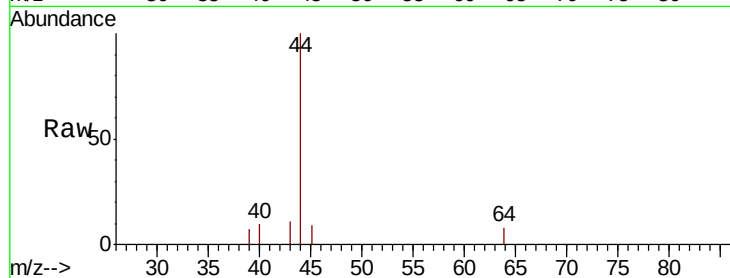
EP2-SB-111(14-16)ME

Tot Ion: 43 Resp: 150

Ion Ratio Lower Upper

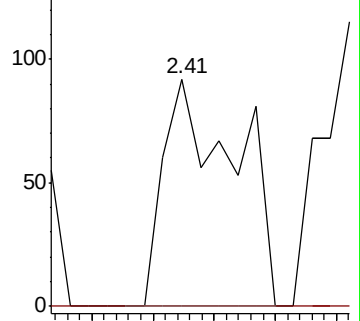
43 100

58 0.0 23.8 35.6#

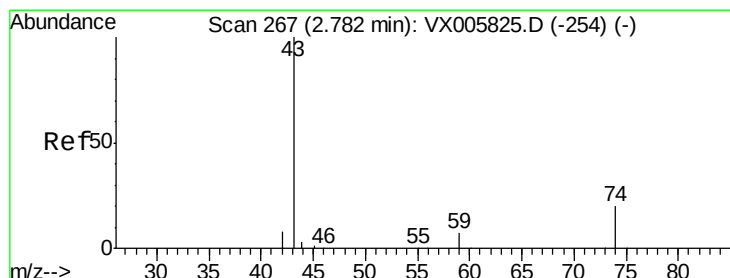
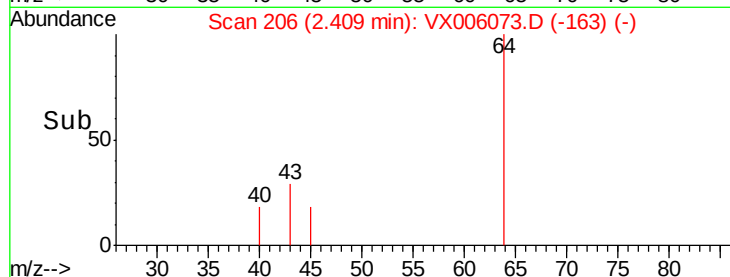


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX006073.D

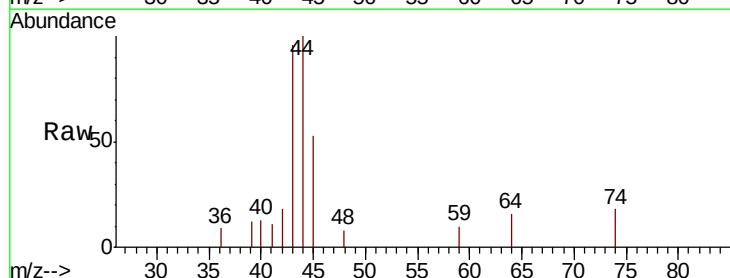
Acq: 17 Nov 2018 17:19

Tgt Ion: 43 Resp: 1818

Ion Ratio Lower Upper

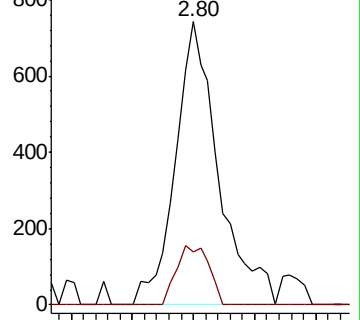
43 100

74 15.6 16.8 25.2#

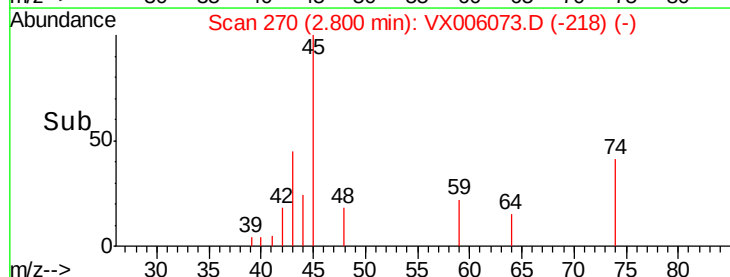


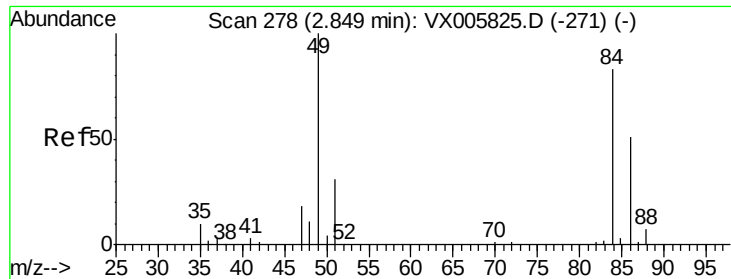
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->

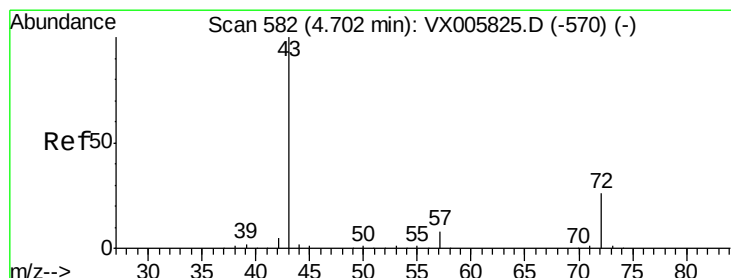
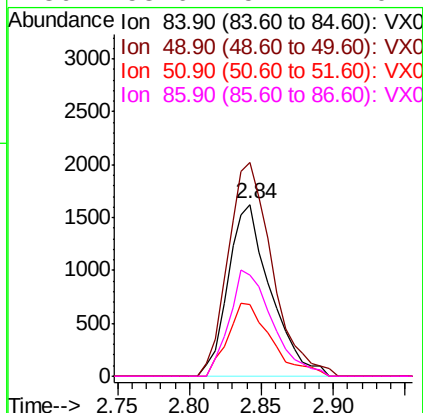
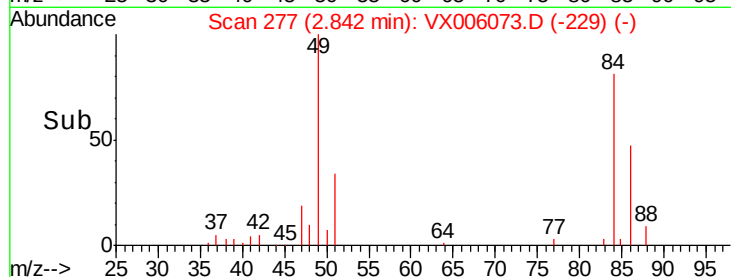
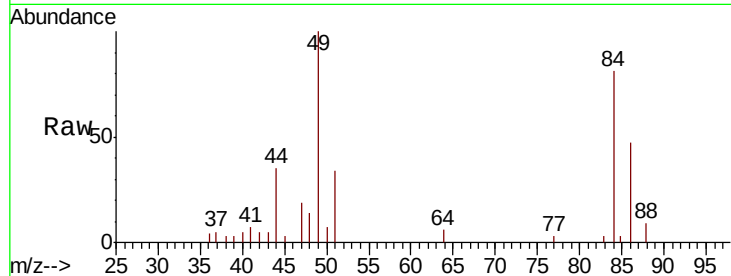




#20
Methvlene Chloride
Concen: 2.766 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

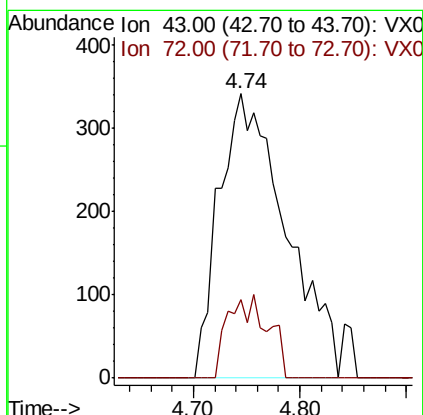
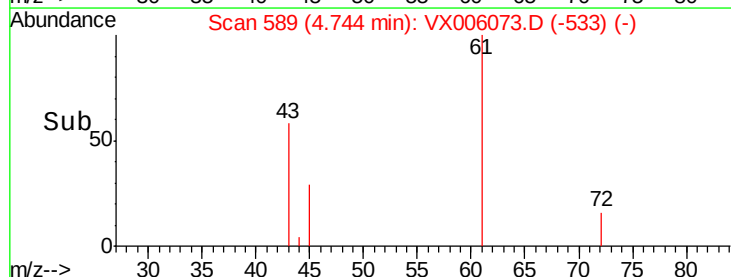
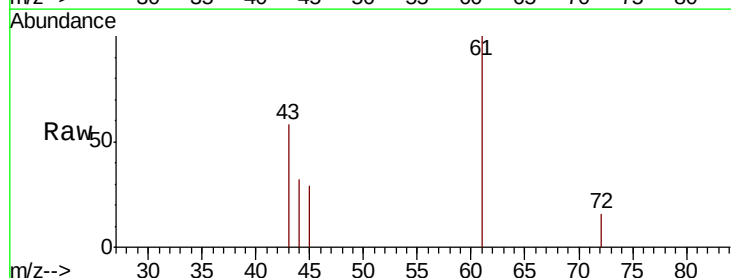
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-111(14-16)ME

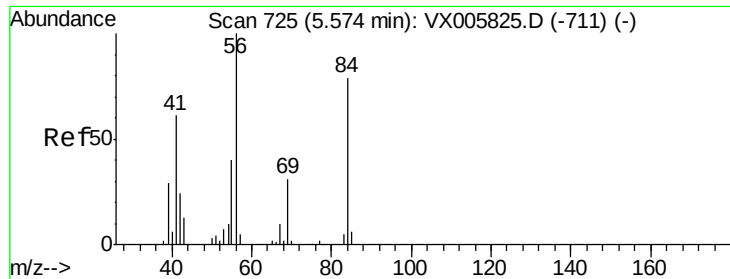
Tot Ion: 84 Resp: 3336
Ion Ratio Lower Upper
84 100
49 124.2 109.5 164.3
51 41.7 33.3 49.9
86 58.6 52.7 79.1



#25
2-Butanone
Concen: 1.282 ug/l
RT: 4.74 min Scan# 589
Delta R.T. 0.04 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
72 27.6 19.2 28.8

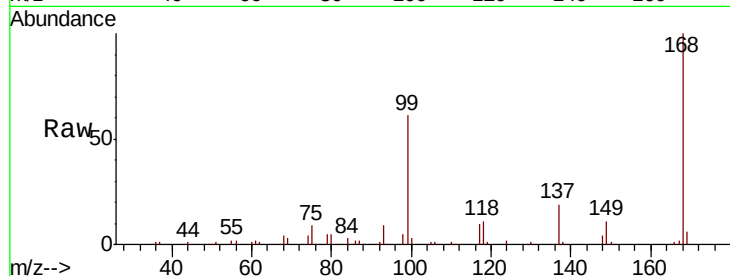




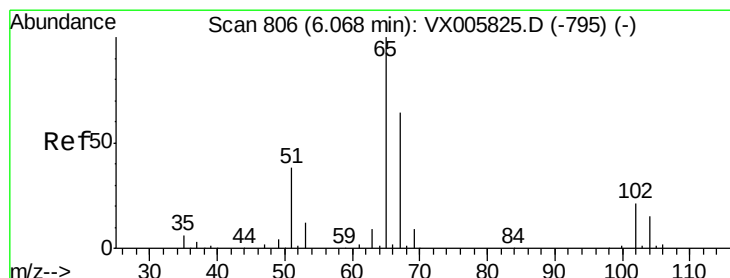
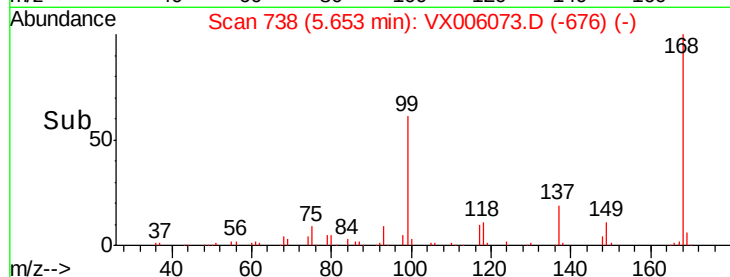
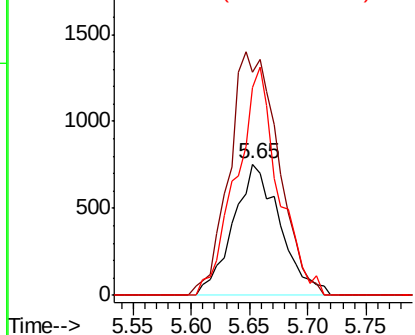
#31
Cyclohexane
Concen: 1.117 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-111(14-16)ME

Tot Ion: 56 Resp: 2121
Ion Ratio Lower Upper
56 100
69 169.3 22.6 34.0#
84 157.7 62.7 94.1#

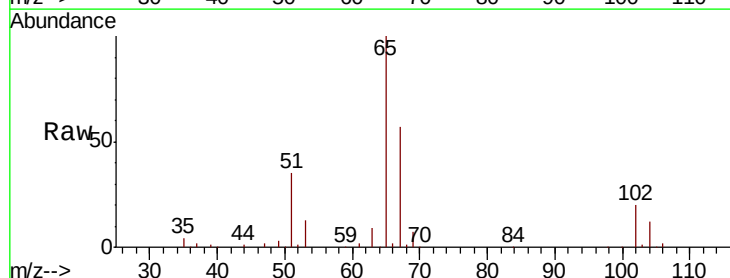


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

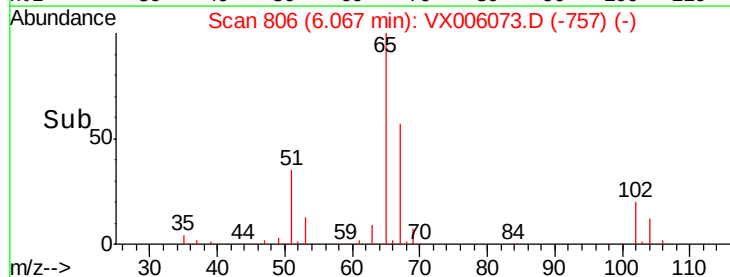
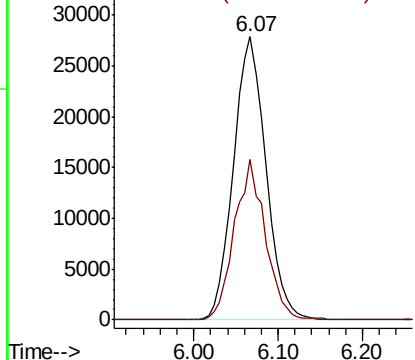


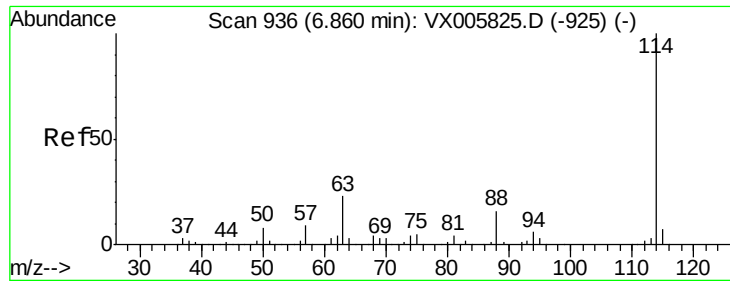
#33
1,2-Dichloroethane-d4
Concen: 53.410 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

Tgt Ion: 65 Resp: 72829
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.0



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

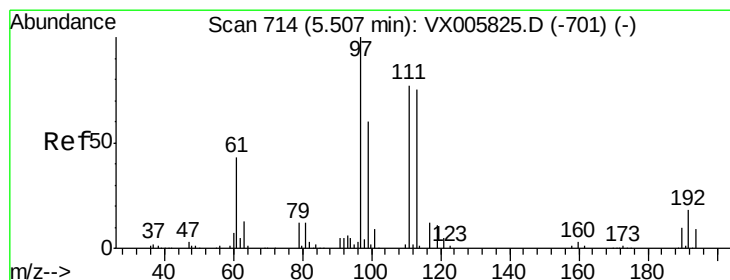
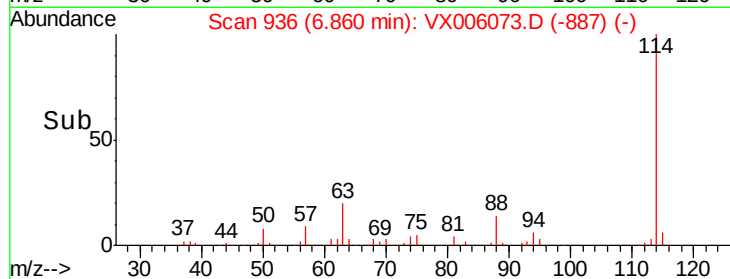
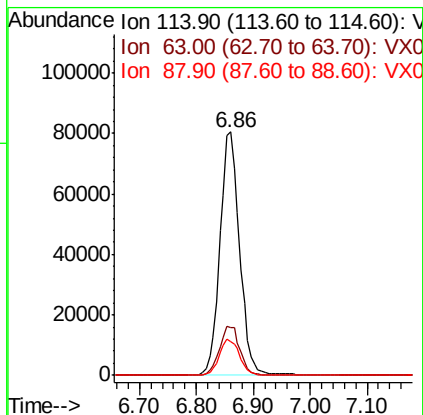
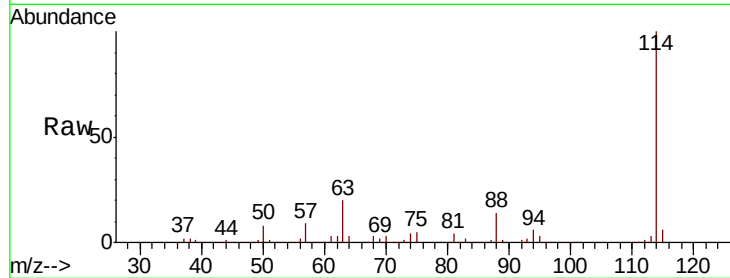




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006073.D
 Acq: 17 Nov 2018 17:19

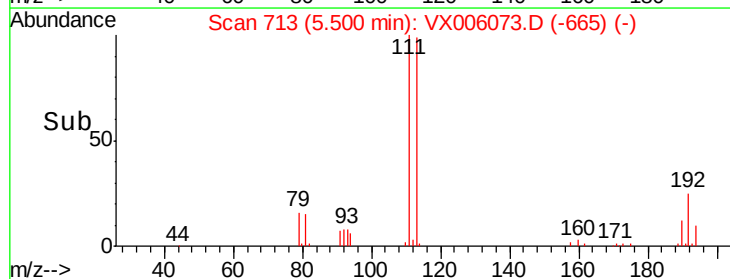
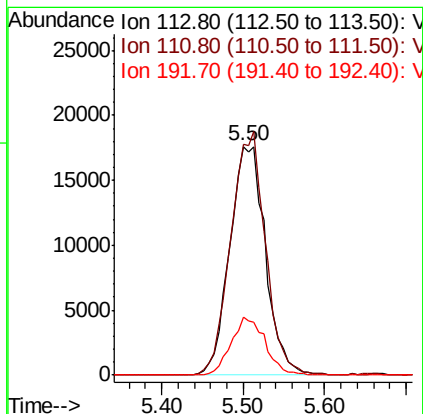
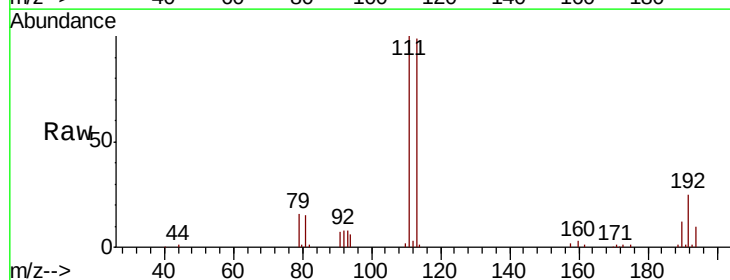
Instrument :
 MSVOA_X
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 EP2-SB-111(14-16)ME

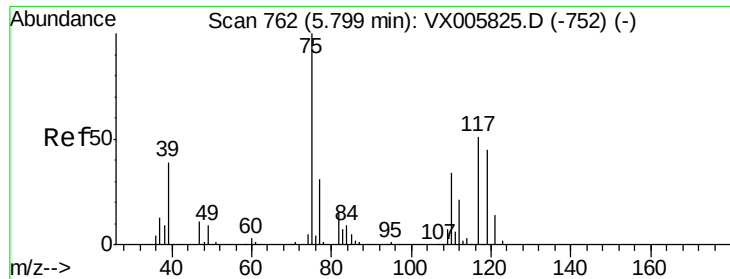
Tot Ion:114 Resp: 192799
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.8
 88 13.7 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 40.821 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX006073.D
 Acq: 17 Nov 2018 17:19

Tgt Ion:113 Resp: 53530
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 24.1 17.9 26.9

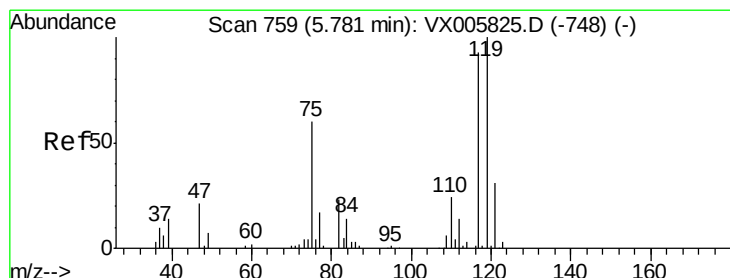
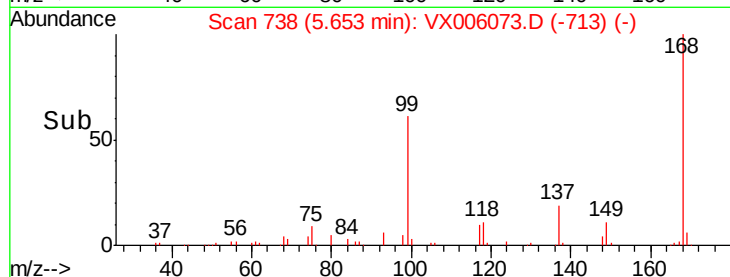
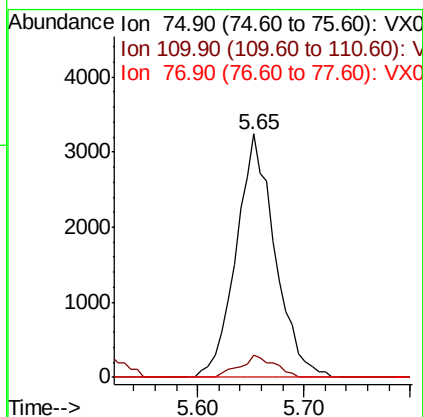
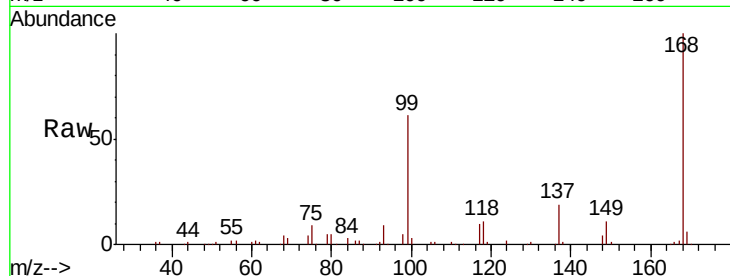




#36
 1,1-Dichloropropene
 Concen: 4.457 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX006073.D
 Acq: 17 Nov 2018 17:19

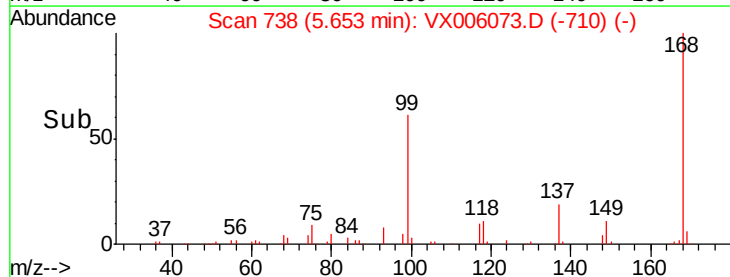
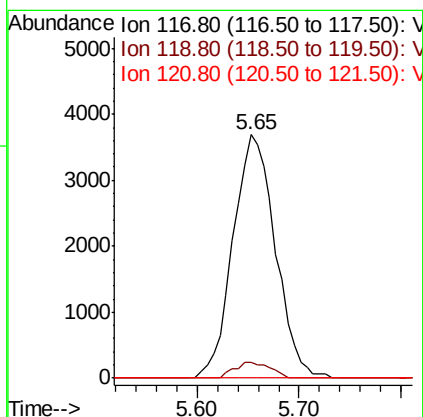
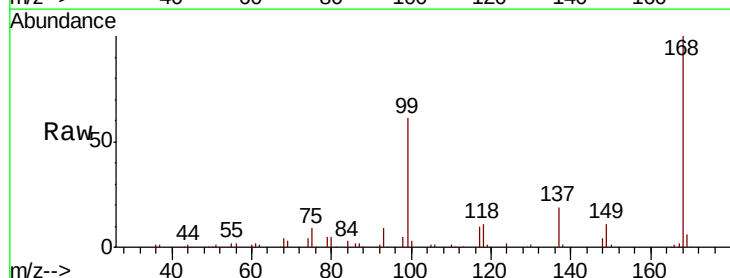
Instrument :
 MSVOA_X
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 EP2-SB-111(14-16)ME

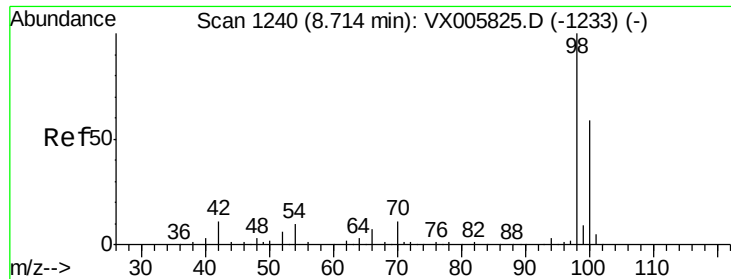
Tot Ion	75	Resp	8284
Ion Ratio	100	Lower	Upper
75	100		
110	8.2	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 5.710 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX006073.D
 Acq: 17 Nov 2018 17:19

Tgt Ion	117	Resp	10625
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.3	78.1	117.1#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 44.507 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006073.D

Acq: 17 Nov 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

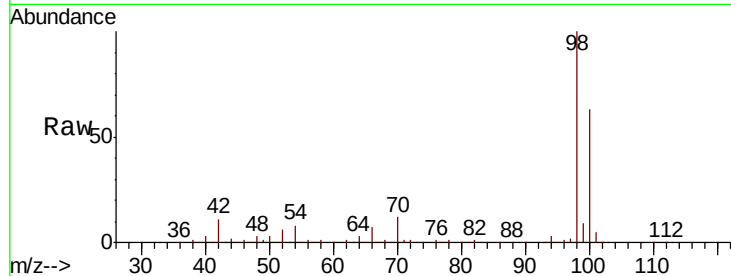
EP2-SB-111(14-16)ME

Tot Ion: 98 Resp: 194033

Ion Ratio Lower Upper

98 100

100 63.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

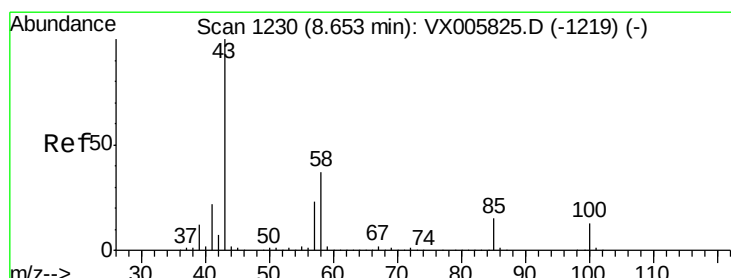
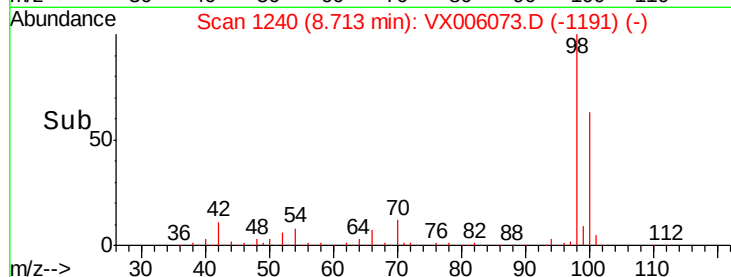
8.71

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.452 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006073.D

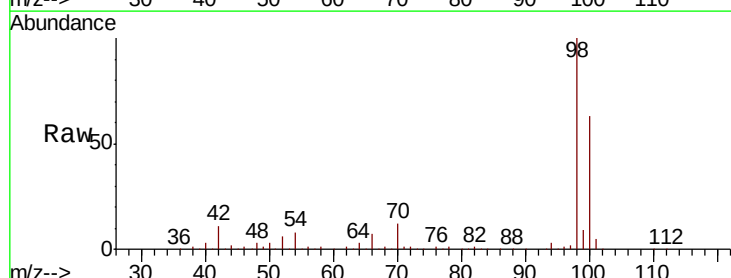
Acq: 17 Nov 2018 17:19

Tgt Ion: 43 Resp: 1010

Ion Ratio Lower Upper

43 100

58 161.9 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.71

1000

800

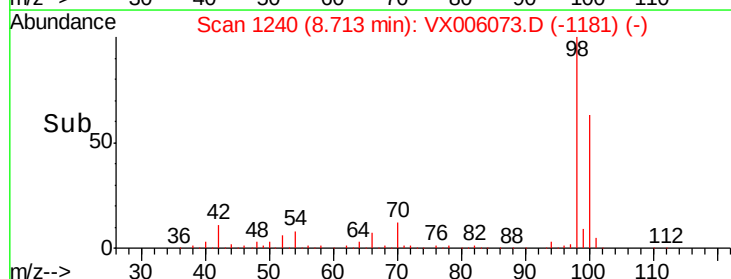
600

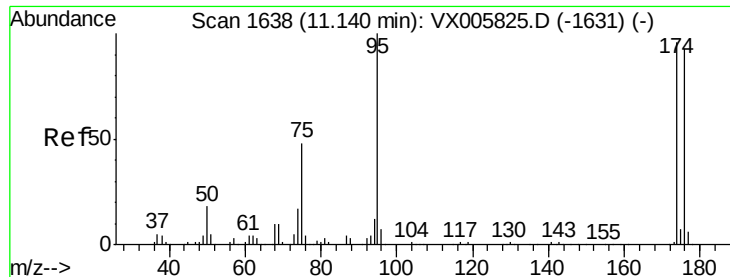
400

200

0

Time-->

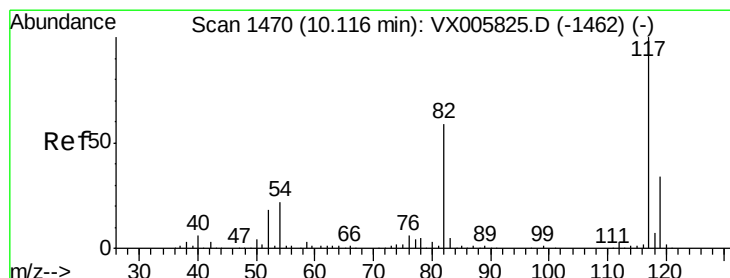
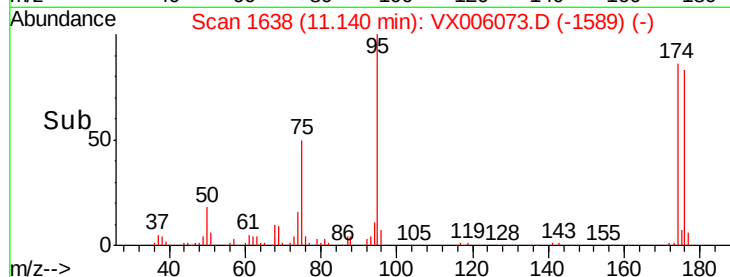
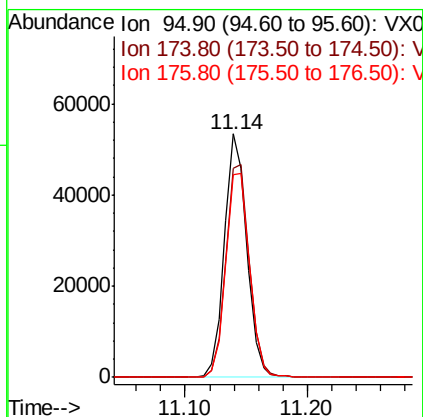
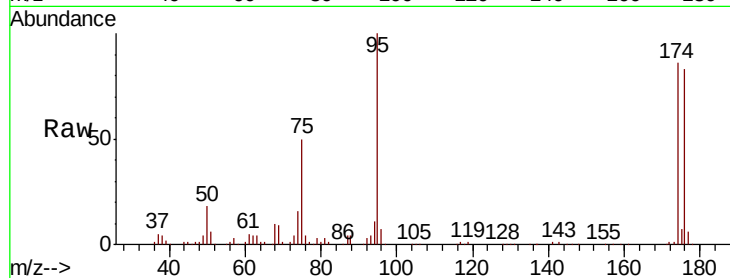




#62
4-Bromofluorobenzene
Concen: 43.067 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

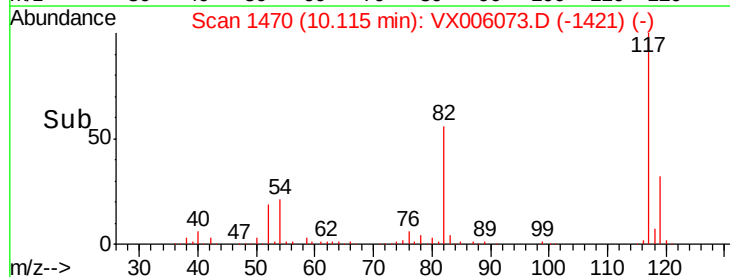
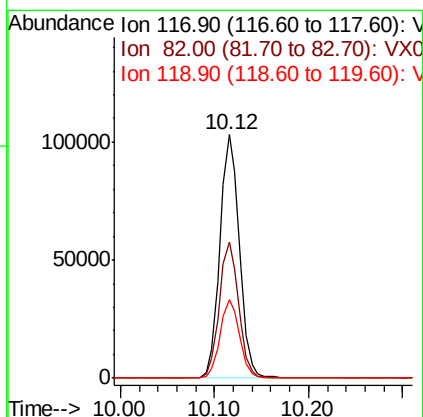
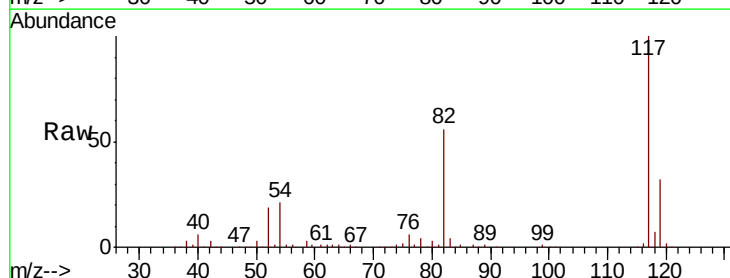
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-111(14-16)ME

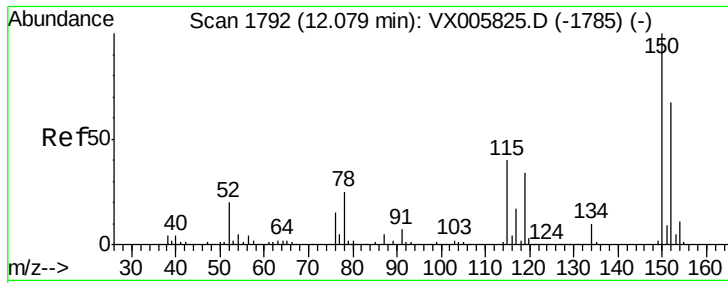
Tot Ion: 95 Resp: 67505
Ion Ratio Lower Upper
95 100
174 92.2 0.0 184.4
176 88.8 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

Tgt Ion: 117 Resp: 148153
Ion Ratio Lower Upper
117 100
82 56.0 44.1 66.1
119 32.1 26.2 39.2



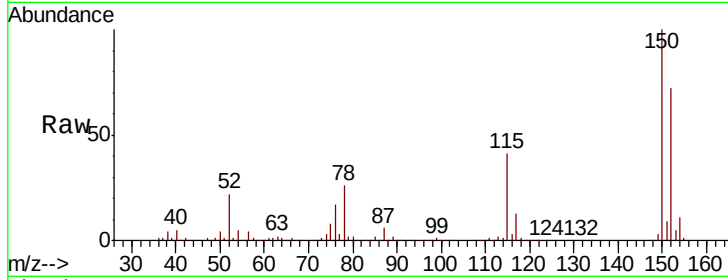


#72

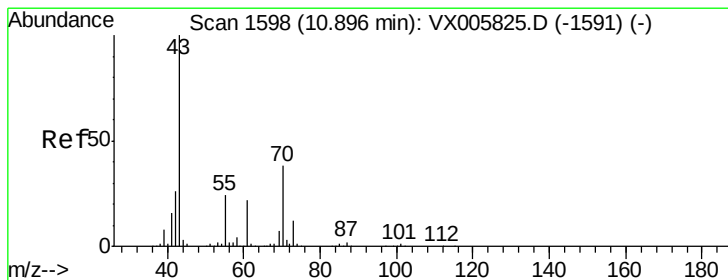
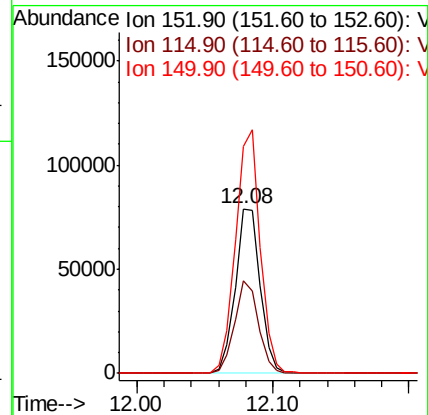
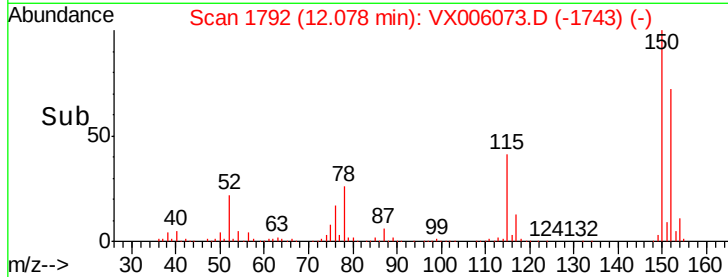
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-111(14-16)ME

Tot Ion:152 Resp: 100162
Ion Ratio Lower Upper
152 100
115 54.4 39.4 118.1
150 146.7 0.0 346.4



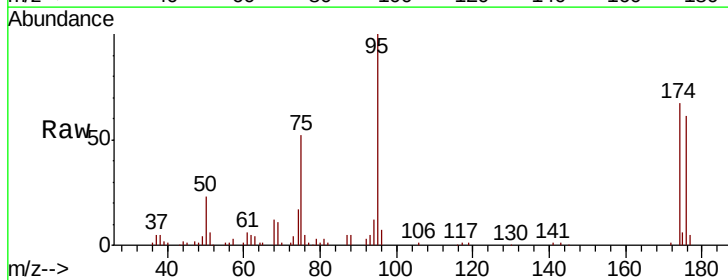
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



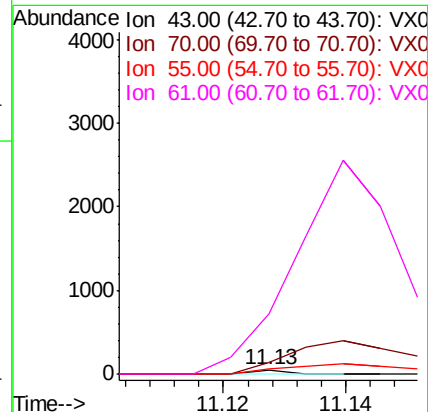
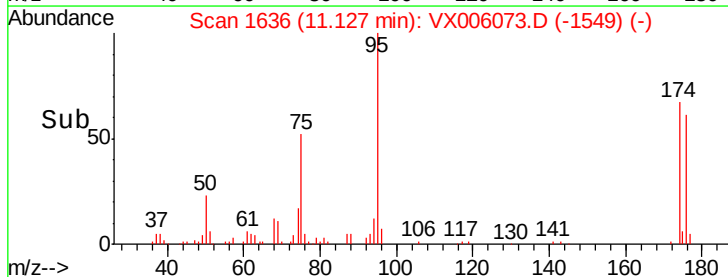
#74

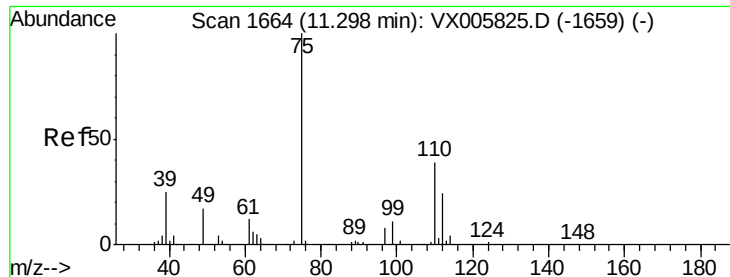
N-ethyl acetate
Concen: 1.256 ug/l
RT: 11.13 min Scan# 1636
Delta R.T. 0.23 min
Lab File: VX006073.D
Acq: 17 Nov 2018 17:19

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 2794.7 31.6 47.4#
55 826.3 19.7 29.5#
61 16136.8 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

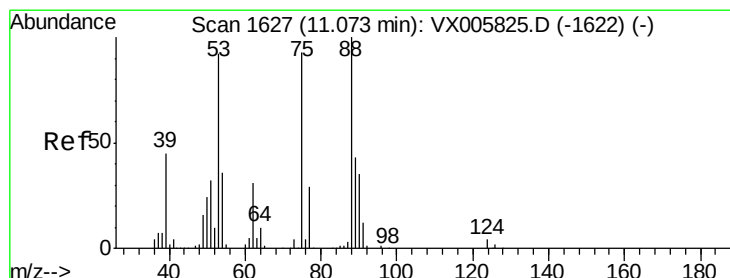
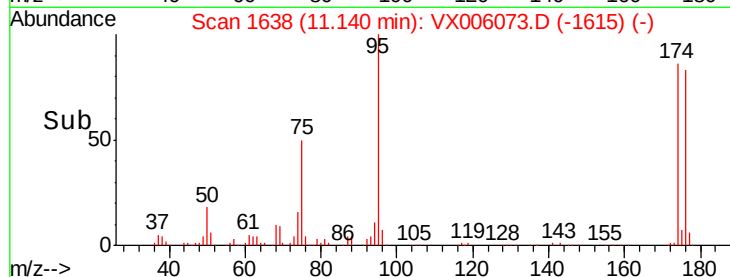
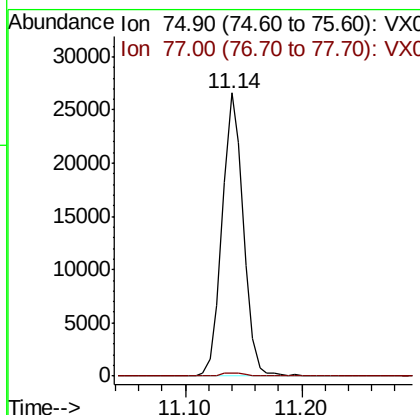
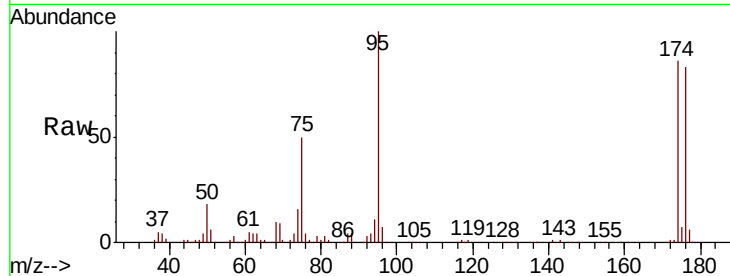




#76
 1,2,3-Trichloropropane
 Concen: 16.320 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006073.D
 Acq: 17 Nov 2018 17:19

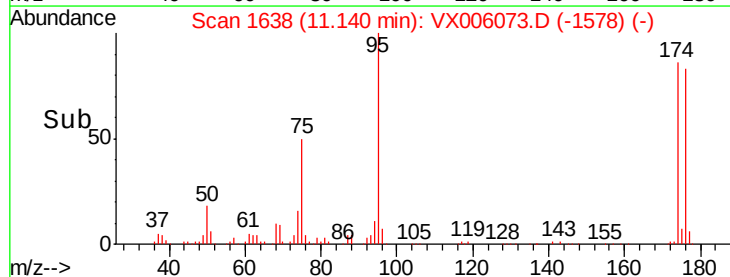
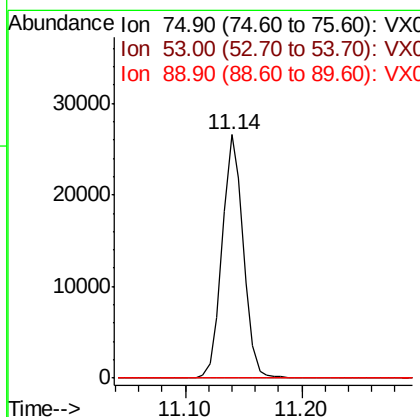
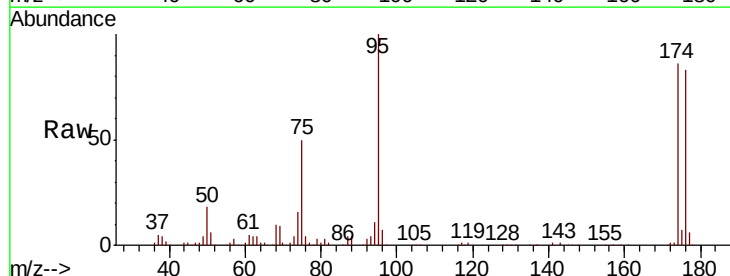
Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-111(14-16)ME

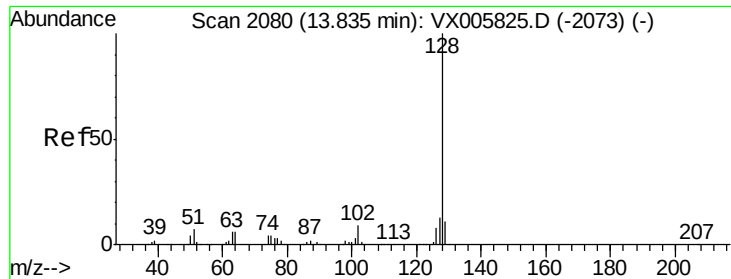
Tot Ion: 75 Resp: 33285
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.015 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX006073.D
 Acq: 17 Nov 2018 17:19

Tgt Ion: 75 Resp: 33285
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#





#95
 Naphthalene
 Concen: 1.644 ug/l
 RT: 13.84 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VX006073.D
 Acq: 17 Nov 2018 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-111(14-16)ME

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	10.6	8.7	13.1

