

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX006002.D
 Acq On : 15 Nov 2018 04:33
 Operator : JC/MD
 Sample : J5860-17ME 20X
 Misc : 5.33g/5ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-108(14-16)ME

Quant Time: Nov 15 06:11:54 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	5.67	168	133559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	209082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	85335	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	76430	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	5.50	113	64040	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
50) Toluene-d8	8.71	98	219544	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
62) 4-Bromofluorobenzene	11.14	95	77971	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

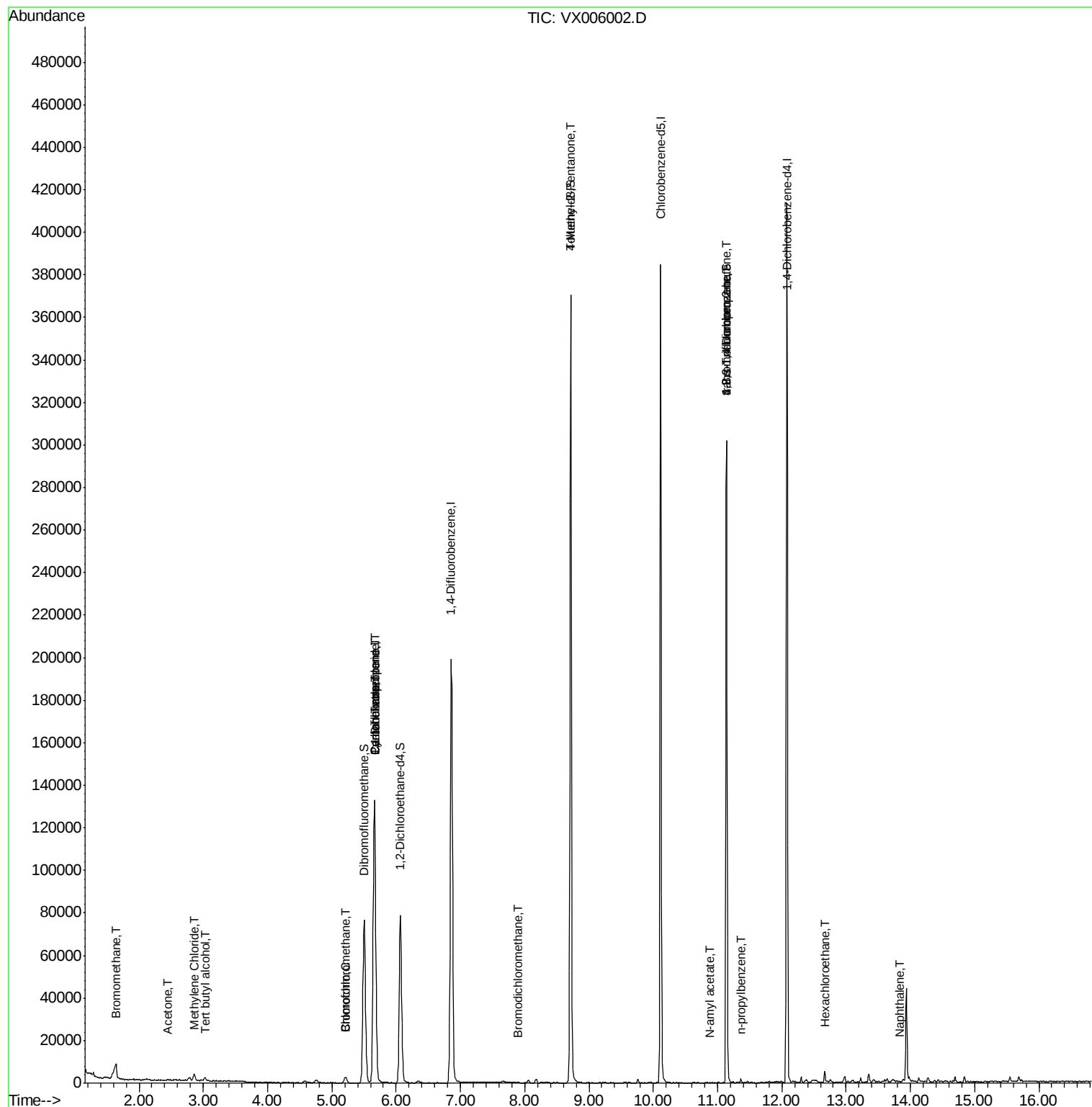
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	219	0.226	ug/l	88
11) Tert butyl alcohol	3.03	59	936	2.128	ug/l #	72
16) Acetone	2.45	43	557	0.674	ug/l	97
18) Methyl Acetate	2.78	43	2453	Below Cal		96
20) Methylene Chloride	2.86	84	1173	0.864	ug/l #	95
28) Bromochloromethane	5.21	49	244	0.222	ug/l #	15
30) Chloroform	5.21	83	3395	1.428	ug/l	92
31) Cyclohexane	5.67	56	2577	1.205	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9378	4.653	ug/l #	49
38) Carbon Tetrachloride	5.66	117	13130	6.507	ug/l #	16
47) Bromodichloromethane	7.90	83	358	0.212	ug/l #	76
51) 4-Methyl-2-Pentanone	8.71	43	1239	0.512	ug/l #	1
74) N-amyl acetate	10.88	43	25	1.260	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	38929	22.404	ug/l #	36
78) n-propylbenzene	11.36	91	1388	0.239	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	38929	71.405	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	150	Below Cal	#	31
90) Hexachloroethane	12.66	117	298	0.388	ug/l #	2
95) Naphthalene	13.83	128	221	1.213	ug/l #	69

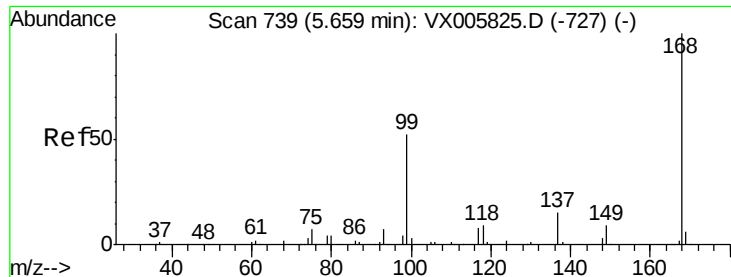
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111418\
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ALS Vial : 39 Sample Multiplier: 1

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EP2-SB-108(14-16)ME

Quant Time: Nov 15 06:11:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

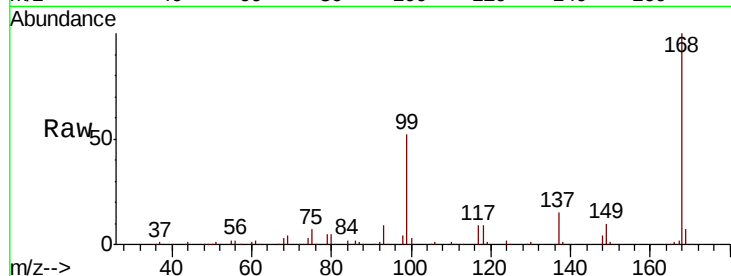
EP2-SB-108(14-16)ME

Tot Ion:168 Resp: 133559

Ion Ratio Lower Upper

168 100

99 51.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

50000

40000

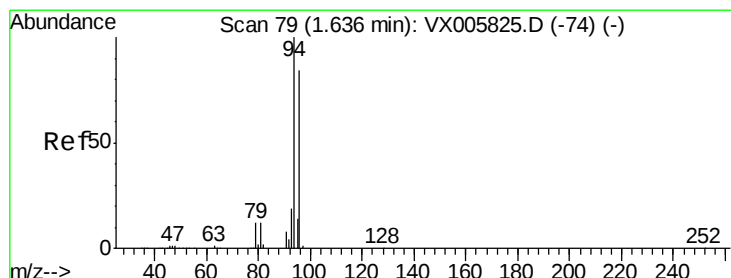
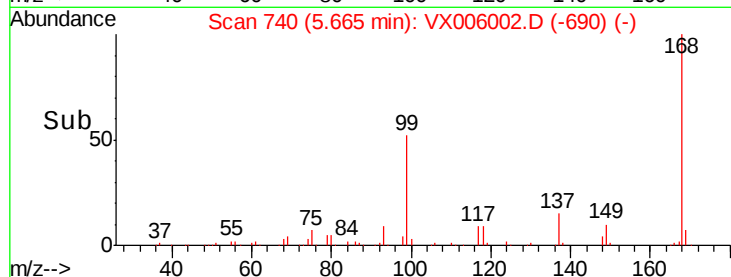
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.226 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX006002.D

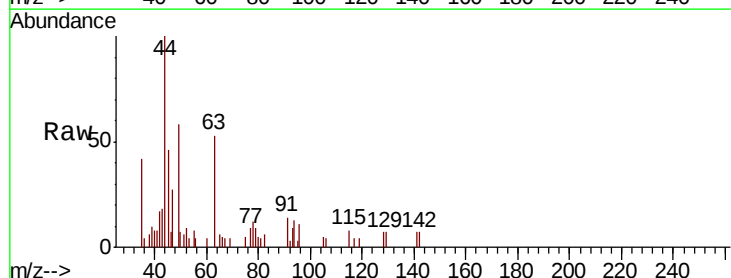
Acq: 15 Nov 2018 04:33

Tgt Ion: 94 Resp: 219

Ion Ratio Lower Upper

94 100

96 82.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

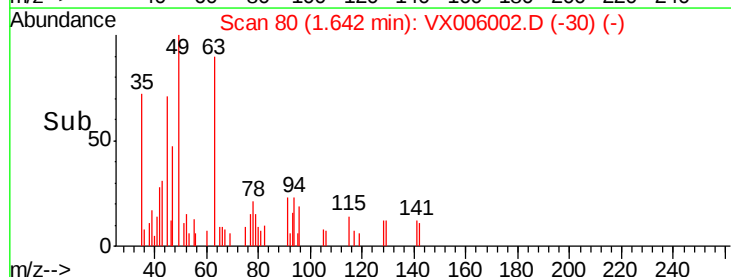
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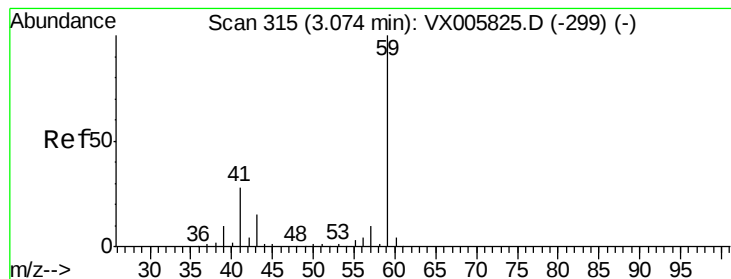
100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68



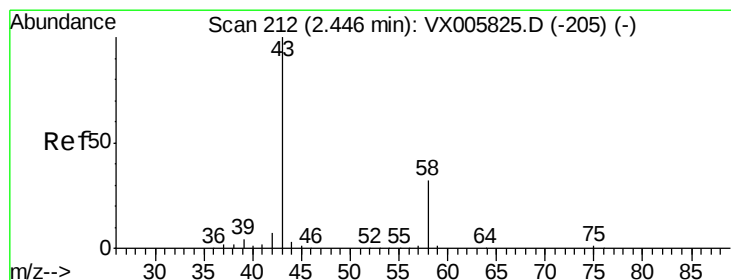
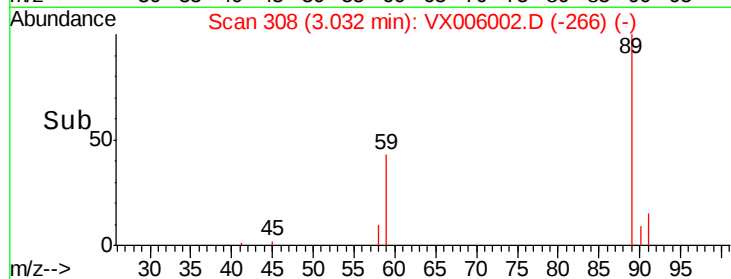
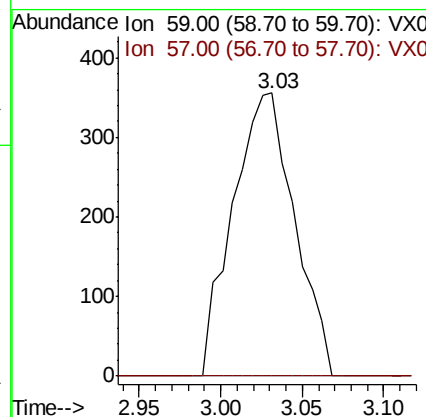
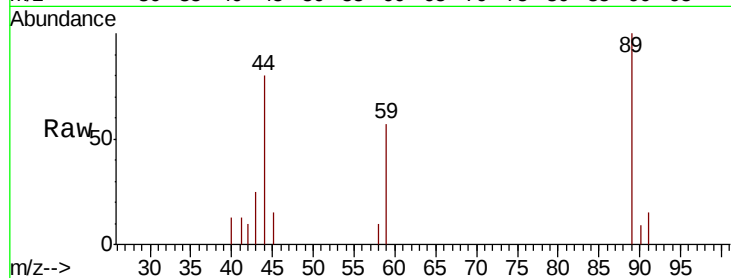


#11

Tert butyl alcohol
 Concen: 2.128 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.04 min
 Lab File: VX006002.D
 Acq: 15 Nov 2018 04:33

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-108(14-16)ME

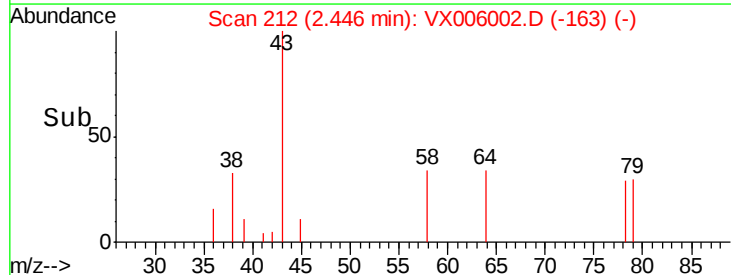
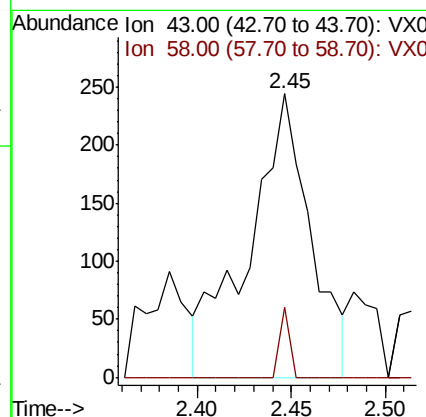
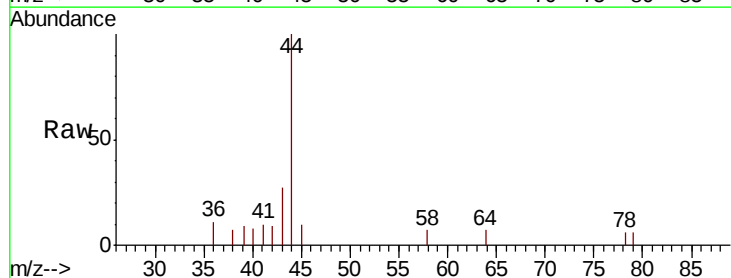
Tot Ion: 59 Resp: 936
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

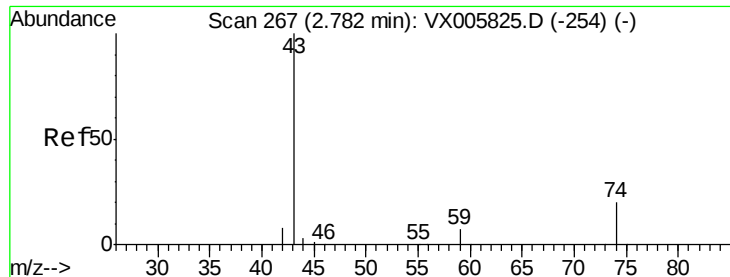


#16

Acetone
 Concen: 0.674 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006002.D
 Acq: 15 Nov 2018 04:33

Tgt Ion: 43 Resp: 557
 Ion Ratio Lower Upper
 43 100
 58 31.4 23.8 35.6

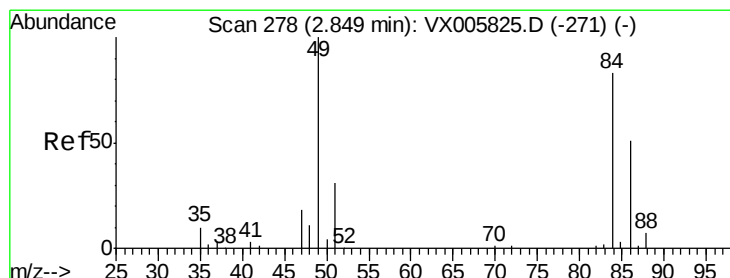
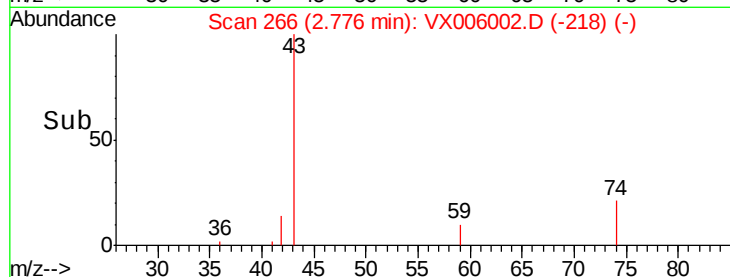
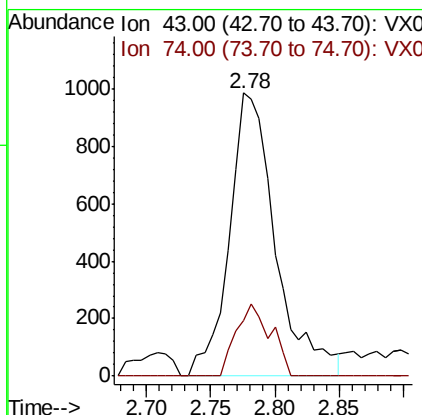
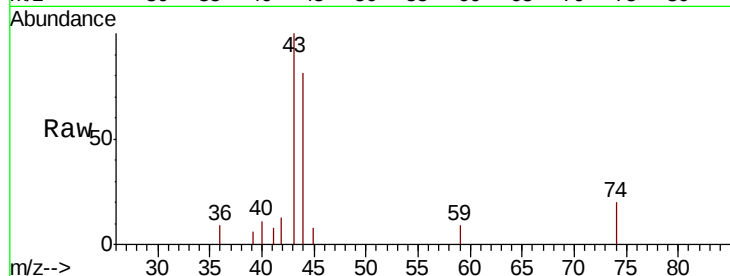




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

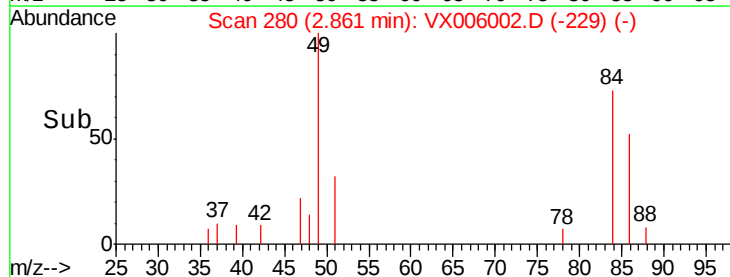
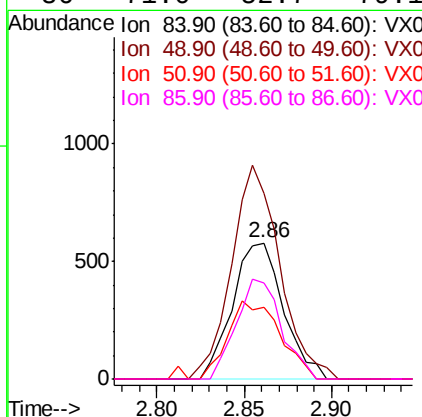
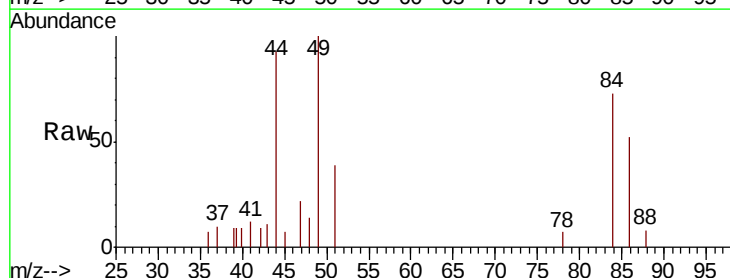
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-108(14-16)ME

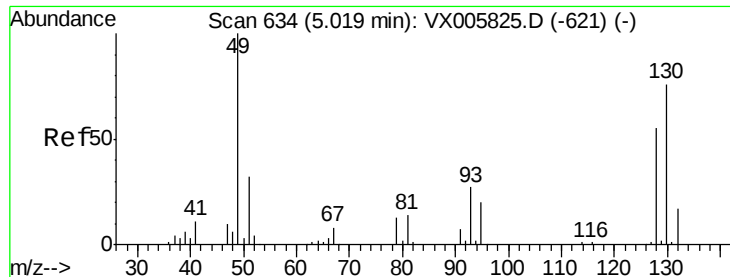
Tot Ion: 43 Resp: 2453
Ion Ratio Lower Upper
43 100
74 19.1 16.8 25.2



#20
Methylene Chloride
Concen: 0.864 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

Tgt Ion: 84 Resp: 1173
Ion Ratio Lower Upper
84 100
49 136.3 109.5 164.3
51 53.0 33.3 49.9#
86 71.0 52.7 79.1





#28

Bromochloromethane

Concen: 0.222 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.19 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-108(14-16)ME

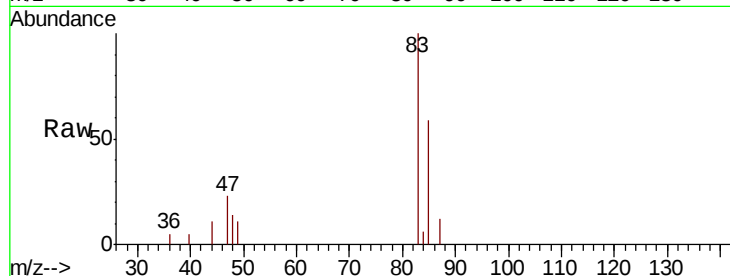
Tot Ion: 49 Resp: 244

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 58.9 88.3#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

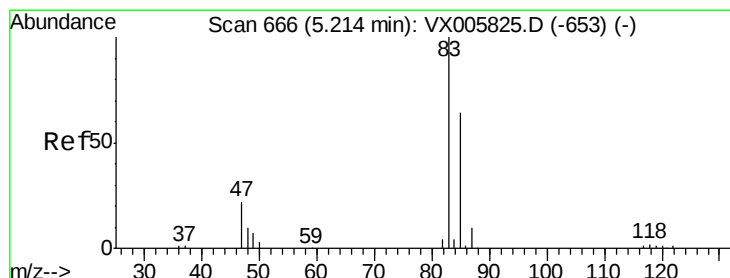
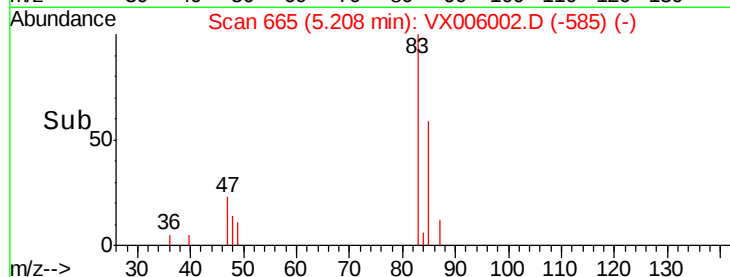
5.21

100

50

0

Time--> 5.15 5.20 5.25



#30

Chloroform

Concen: 1.428 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006002.D

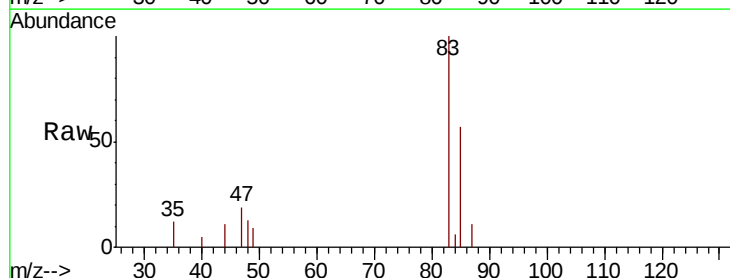
Acq: 15 Nov 2018 04:33

Tgt Ion: 83 Resp: 3395

Ion Ratio Lower Upper

83 100

85 56.8 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

1200

1000

800

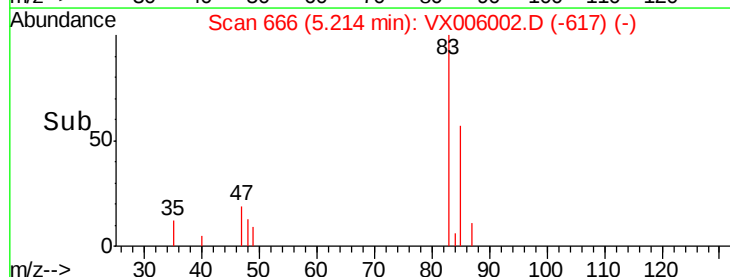
600

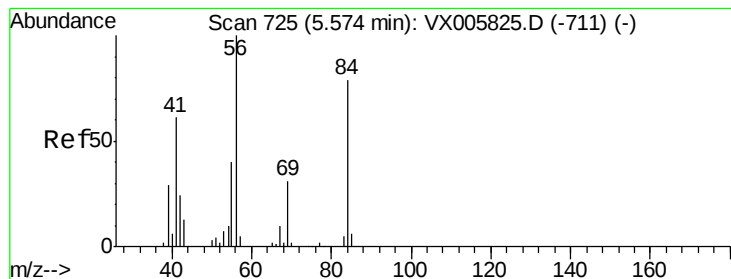
400

200

0

Time--> 5.10 5.15 5.20 5.25 5.30





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-108(14-16)ME

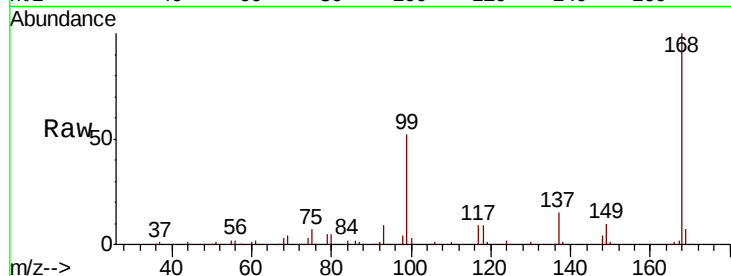
Tot Ion: 56 Resp: 2577

Ion Ratio Lower Upper

56 100

69 186.8 22.6 34.0#

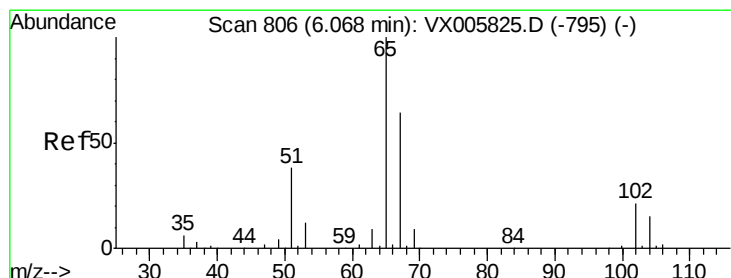
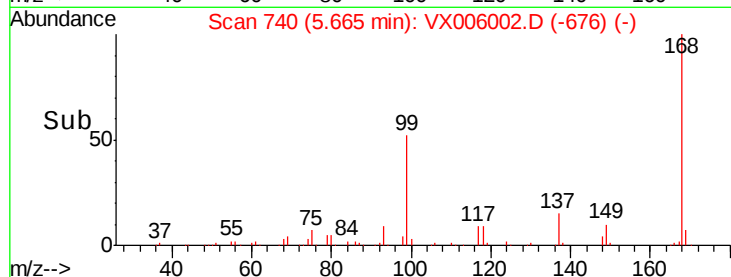
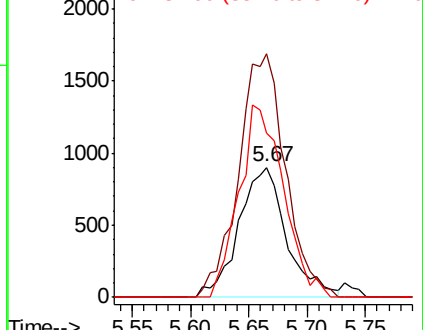
84 126.3 62.7 94.1#



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: 49.778 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX006002.D

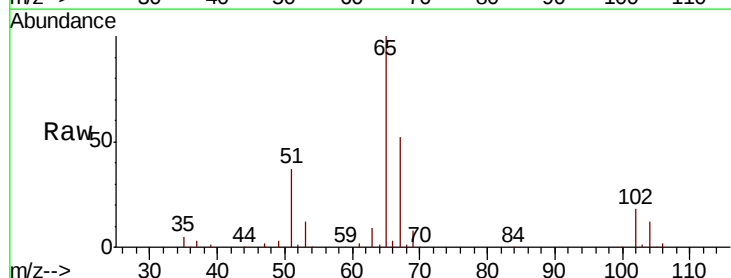
Acq: 15 Nov 2018 04:33

Tgt Ion: 65 Resp: 76430

Ion Ratio Lower Upper

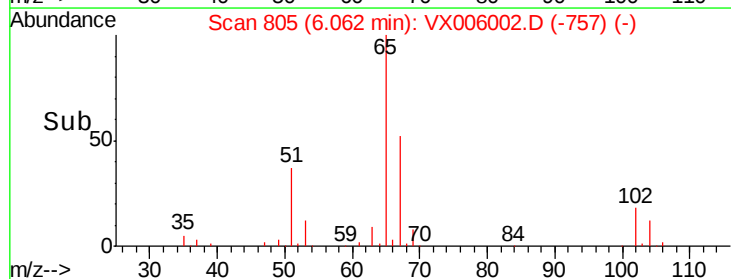
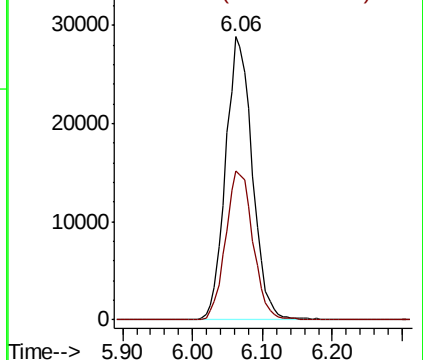
65 100

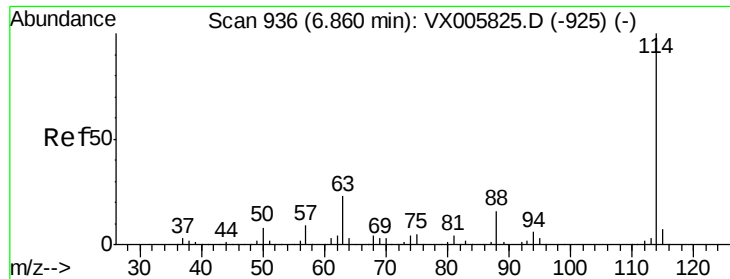
67 54.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

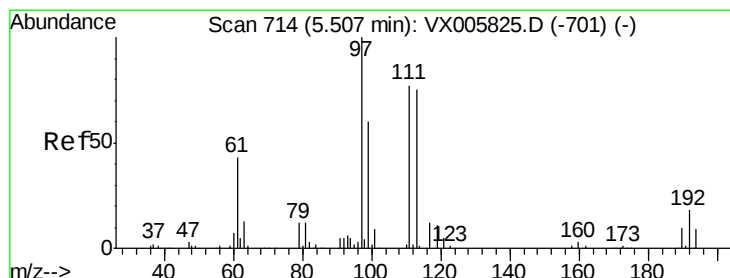
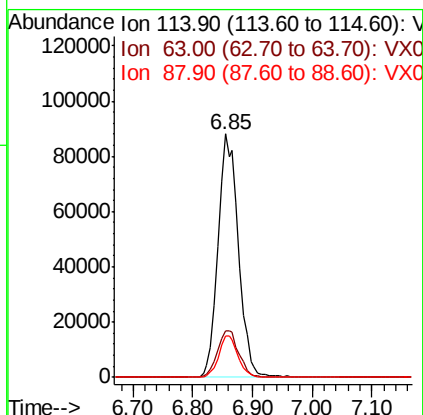
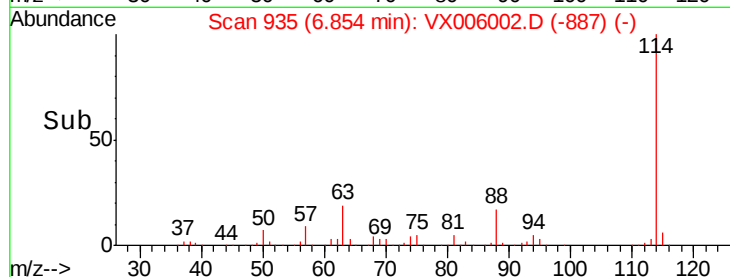
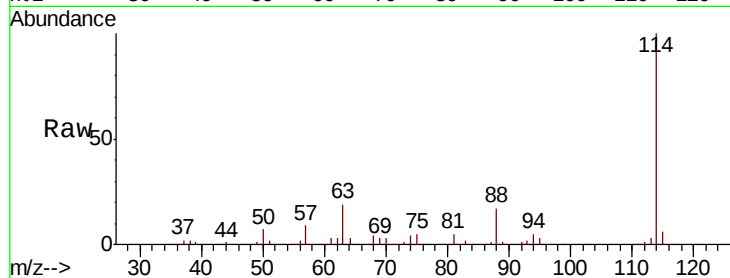




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

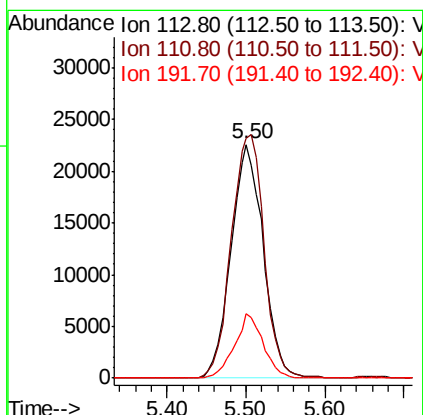
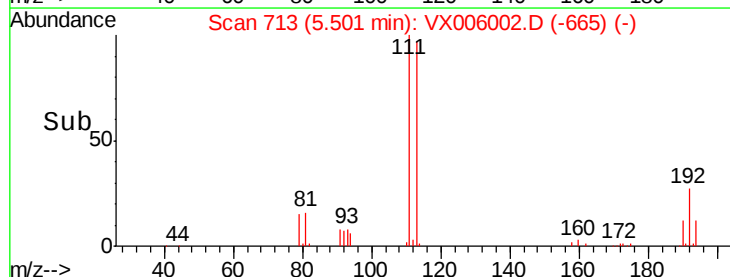
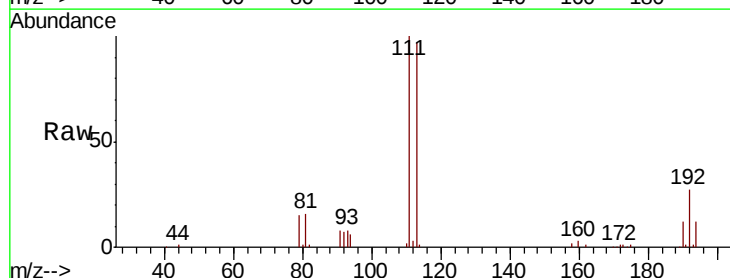
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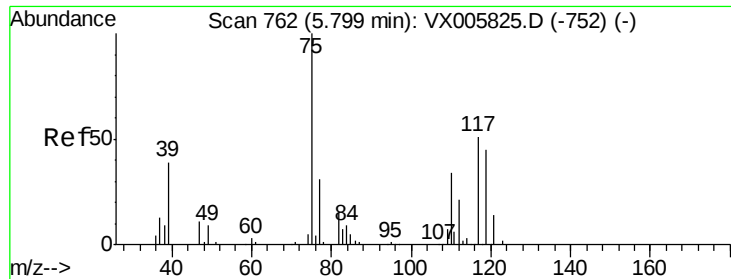
Tot Ion:114 Resp: 209082
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.8
88 16.9 0.0 31.2



#35
Dibromofluoromethane
Concen: 45.033 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

Tgt Ion:113 Resp: 64040
Ion Ratio Lower Upper
113 100
111 106.0 82.3 123.5
192 24.5 17.9 26.9

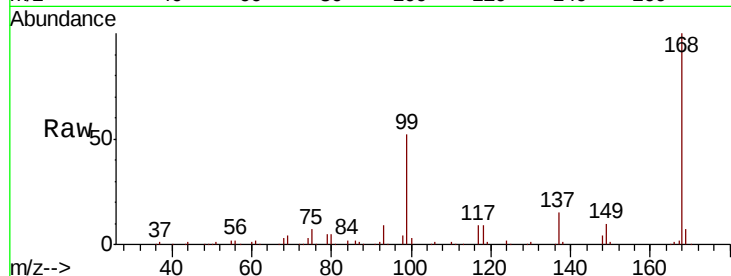




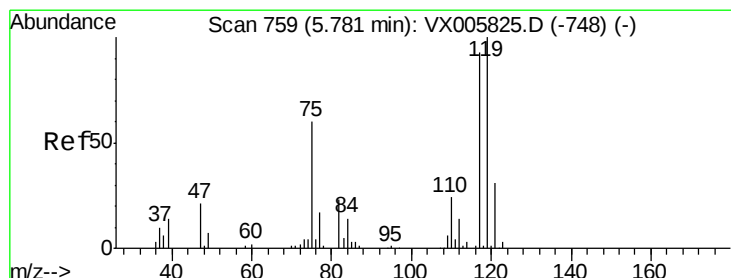
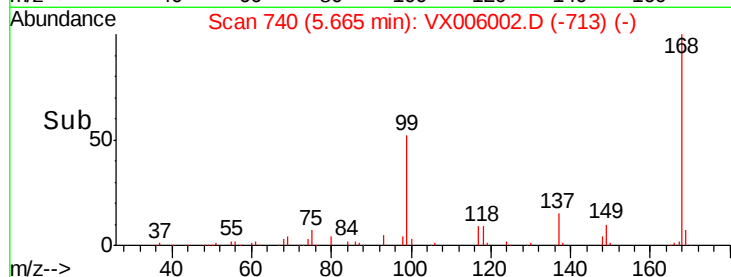
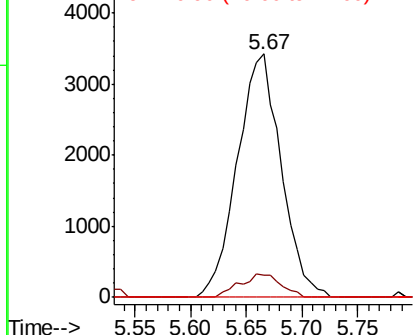
#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006002.D
 Acq: 15 Nov 2018 04:33

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-108(14-16)ME

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.4	52.2#
77	0.0	25.8	38.6#

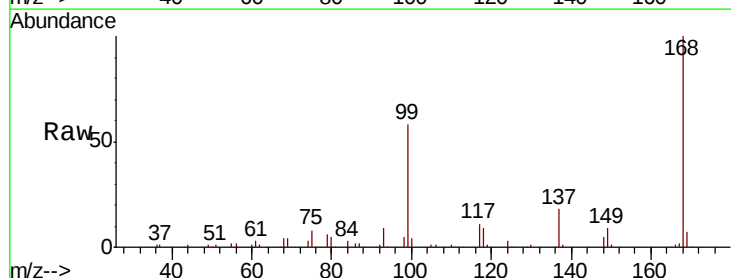


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

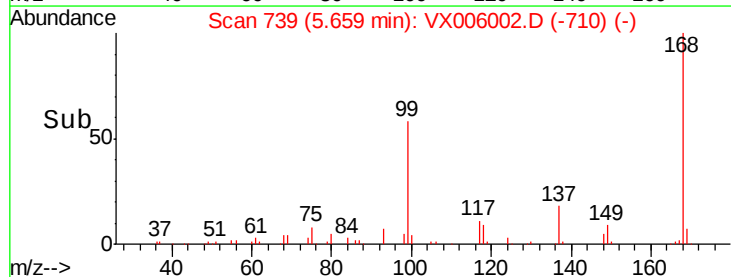
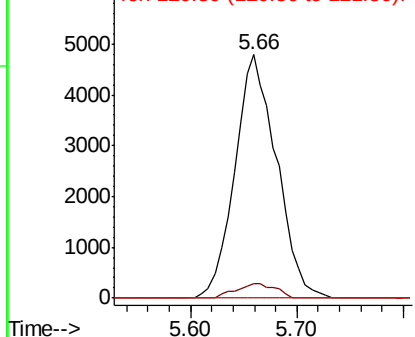


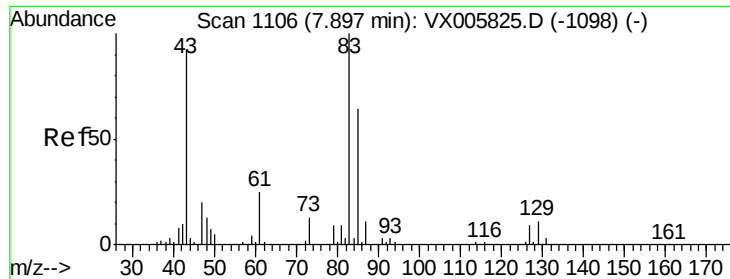
#38
 Carbon Tetrachloride
 Concen: 6.507 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006002.D
 Acq: 15 Nov 2018 04:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.1	117.1#
121	0.0	24.6	36.8#



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





#47

Bromodichloromethane

Concen: 0.212 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-108(14-16)ME

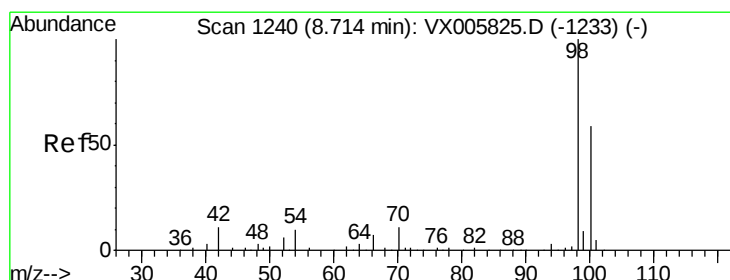
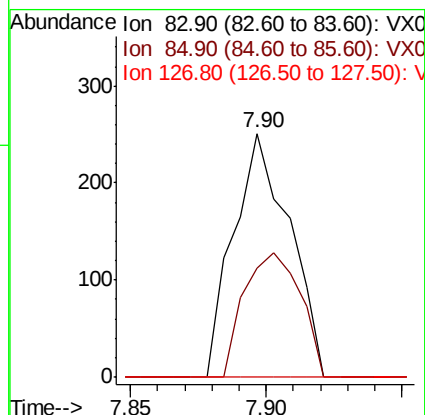
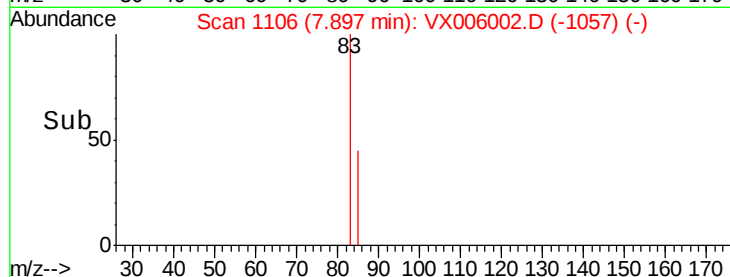
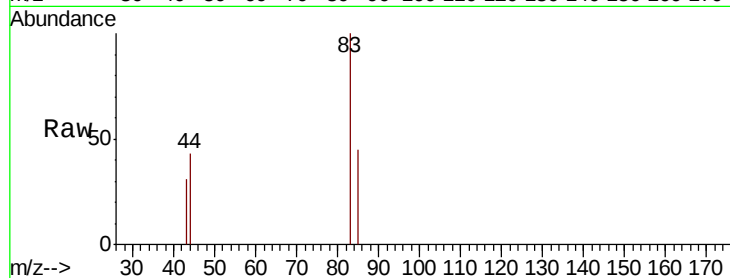
Tot Ion: 83 Resp: 358

Ion Ratio Lower Upper

83 100

85 44.6 50.2 75.4#

127 0.0 6.9 10.3#



#50

Toluene-d8

Concen: 46.437 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006002.D

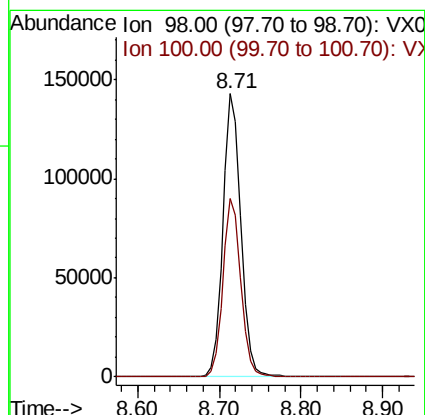
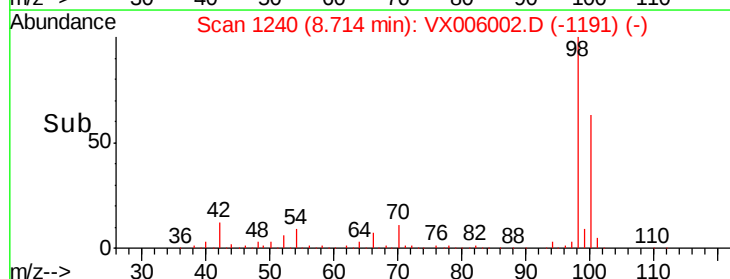
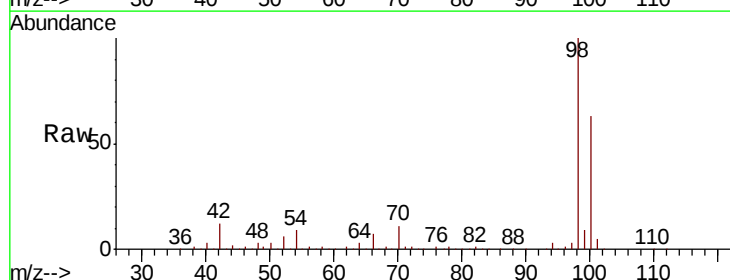
Acq: 15 Nov 2018 04:33

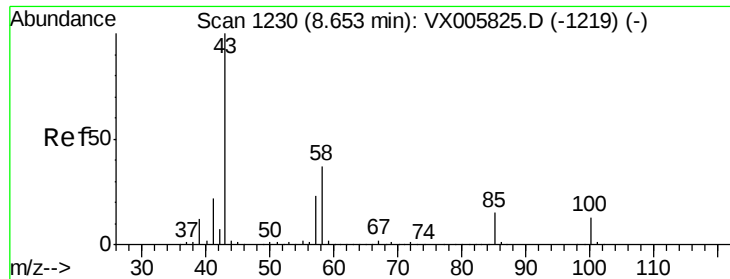
Tgt Ion: 98 Resp: 219544

Ion Ratio Lower Upper

98 100

100 62.9 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 0.512 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

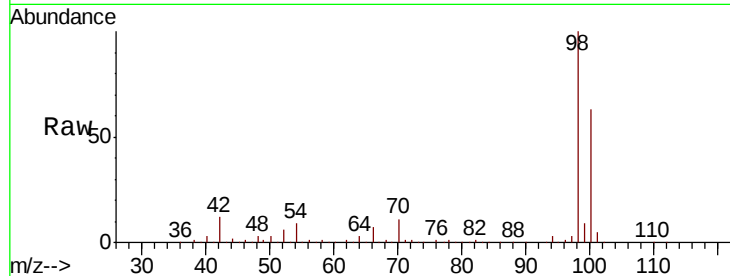
EP2-SB-108(14-16)ME

Tot Ion: 43 Resp: 1239

Ion Ratio Lower Upper

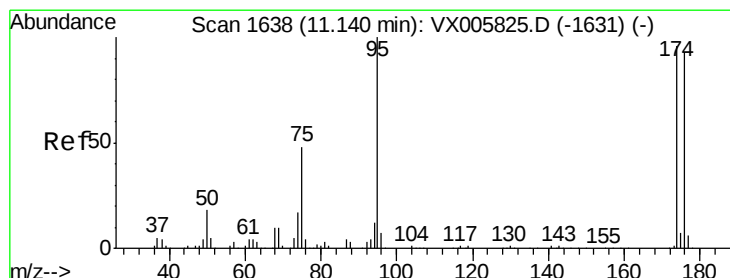
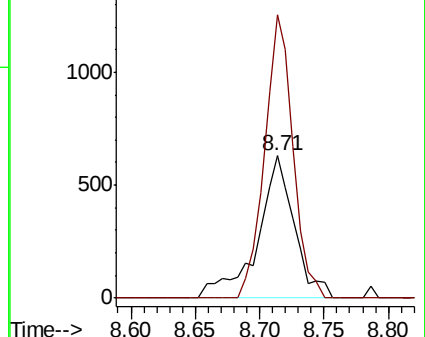
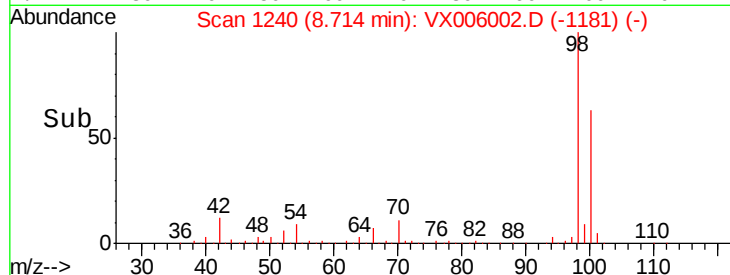
43 100

58 153.3 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.870 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

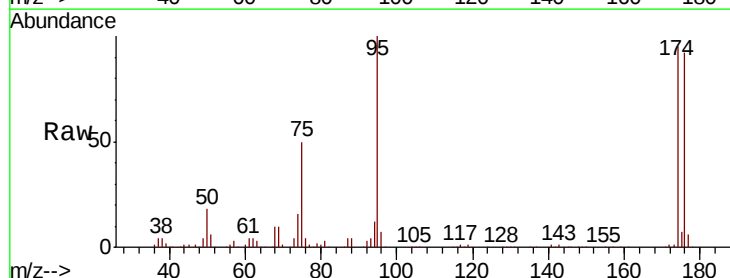
Tgt Ion: 95 Resp: 77971

Ion Ratio Lower Upper

95 100

174 90.8 0.0 184.4

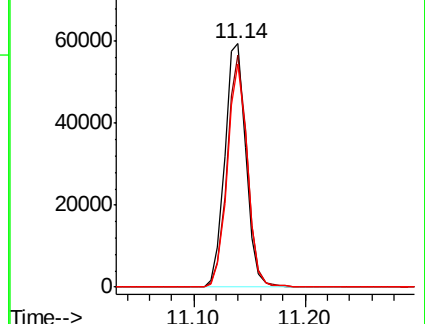
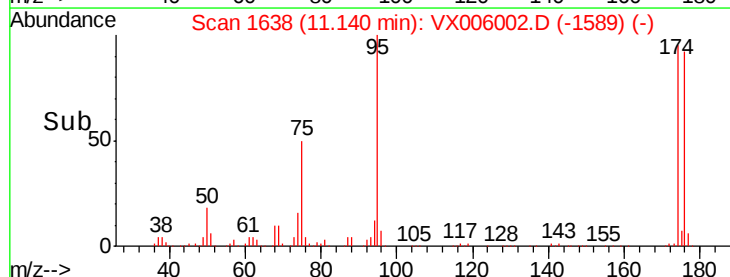
176 87.3 0.0 177.4

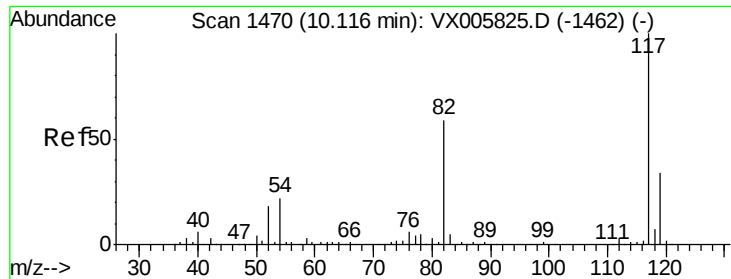


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

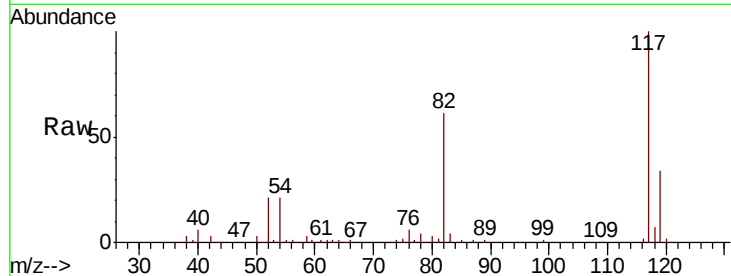




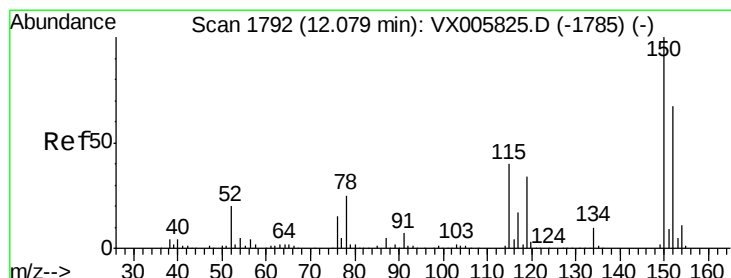
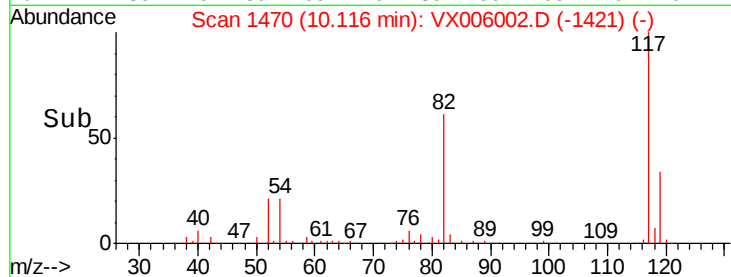
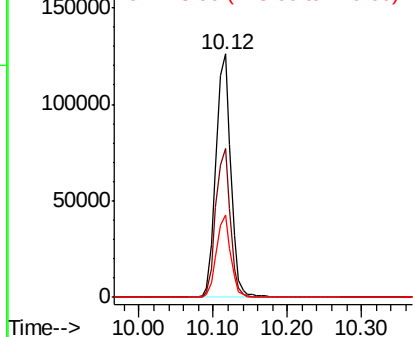
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-108(14-16)ME

Tot Ion:117 Resp: 172271
Ion Ratio Lower Upper
117 100
82 61.0 44.1 66.1
119 33.9 26.2 39.2

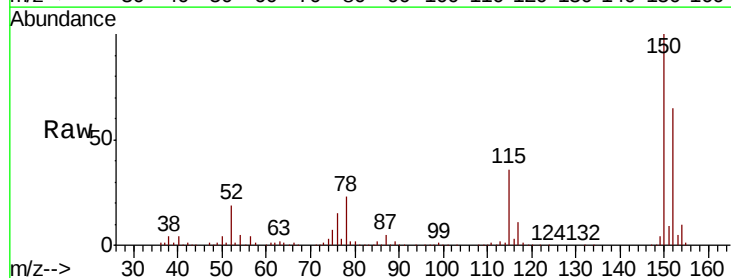


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

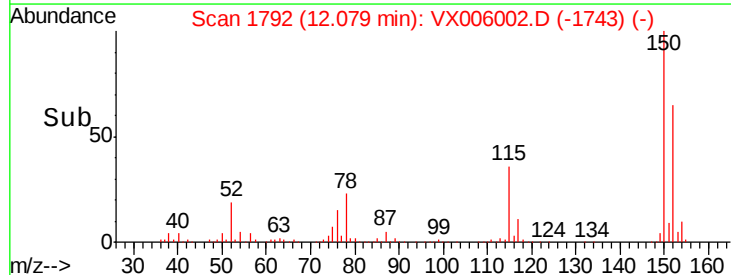
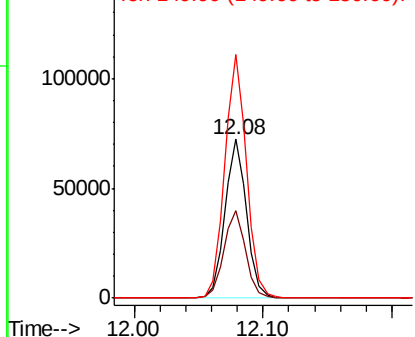


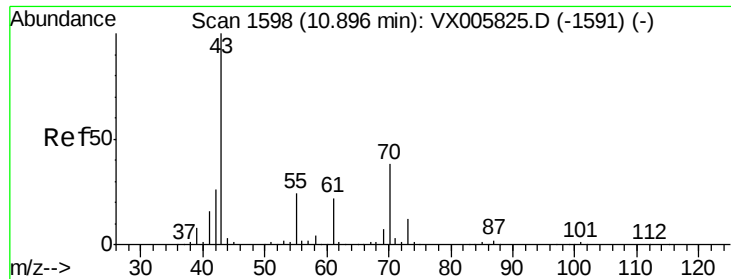
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

Tgt Ion:152 Resp: 85335
Ion Ratio Lower Upper
152 100
115 55.5 39.4 118.1
150 154.8 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

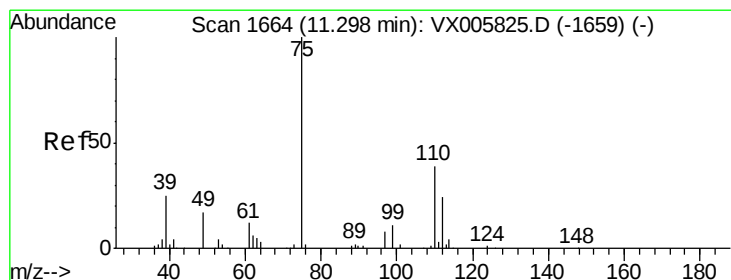
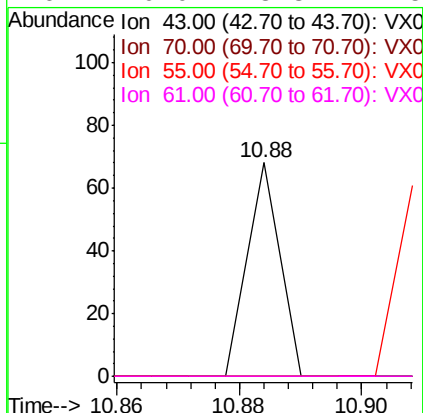
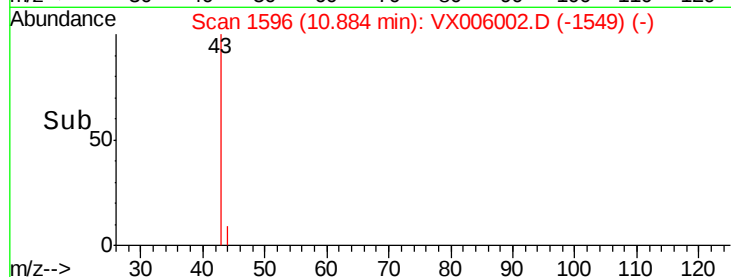
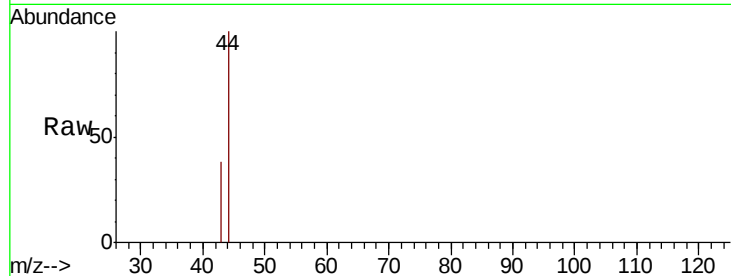




#74
N-amvl acetate
Concen: 1.260 ug/l
RT: 10.88 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

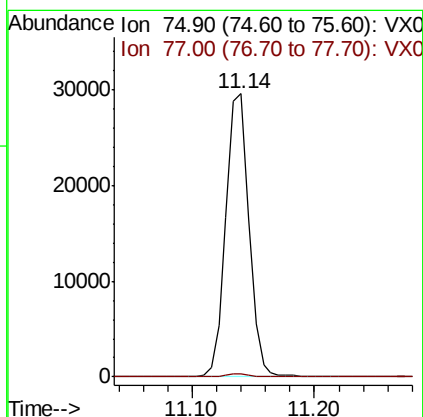
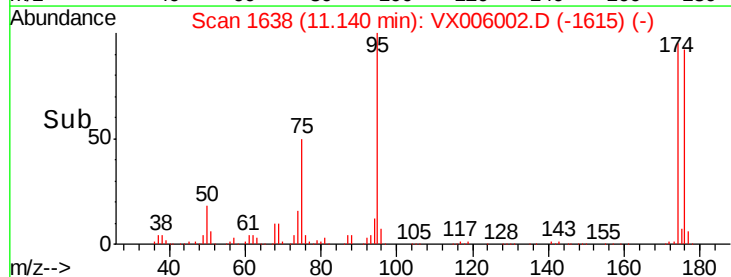
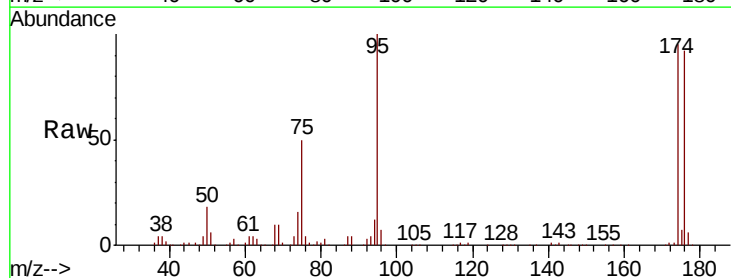
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-108(14-16)ME

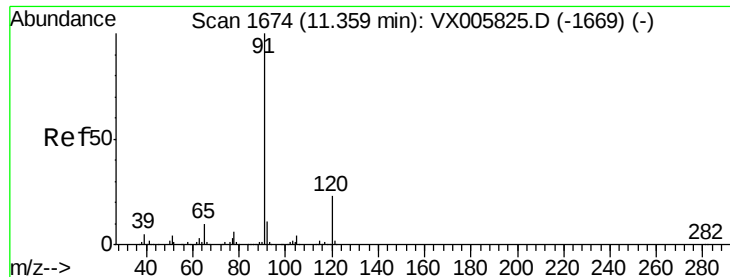
Tot Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
70 0.0 31.6 47.4#
55 0.0 19.7 29.5#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 22.404 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX006002.D
Acq: 15 Nov 2018 04:33

Tgt Ion: 75 Resp: 38929
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.6#





#78

n-propylbenzene

Concen: 0.239 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

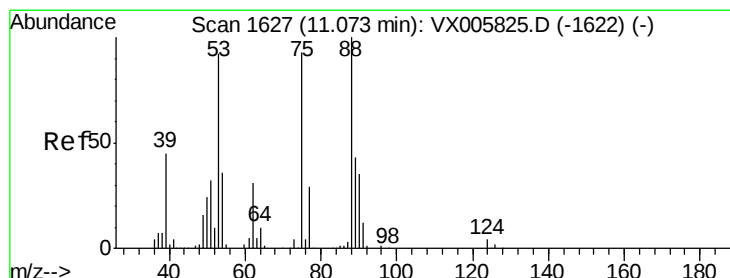
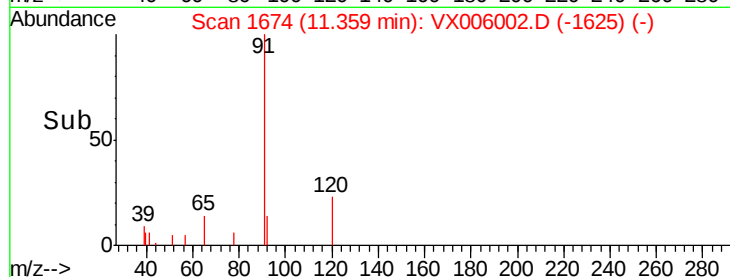
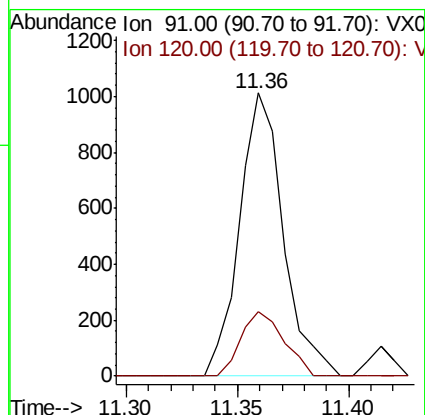
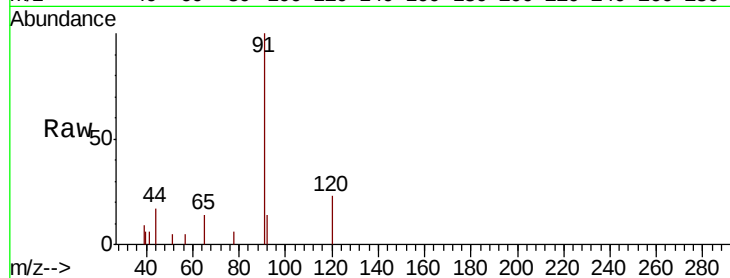
EP2-SB-108(14-16)ME

Tot Ion: 91 Resp: 1388

Ion Ratio Lower Upper

91 100

120 22.3 11.9 35.5



#81

trans-1,4-Dichloro-2-butene

Concen: 71.405 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

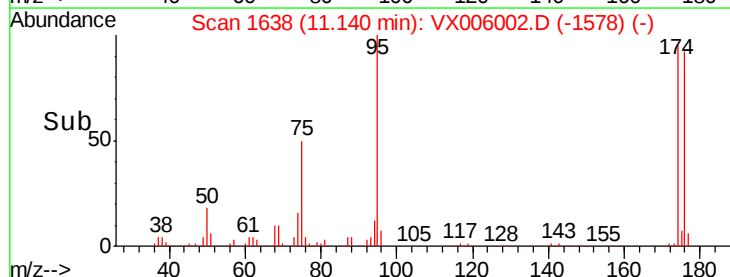
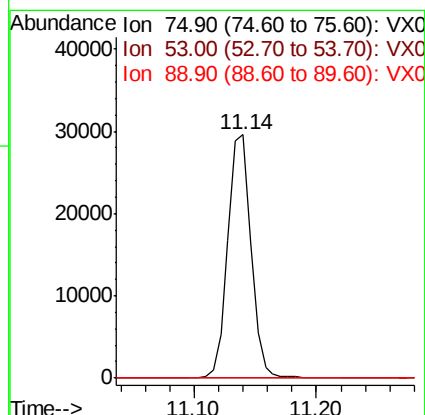
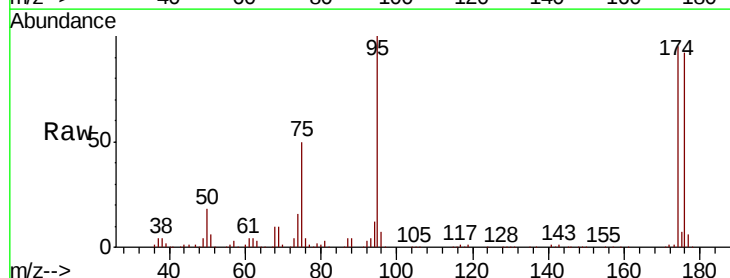
Tgt Ion: 75 Resp: 38929

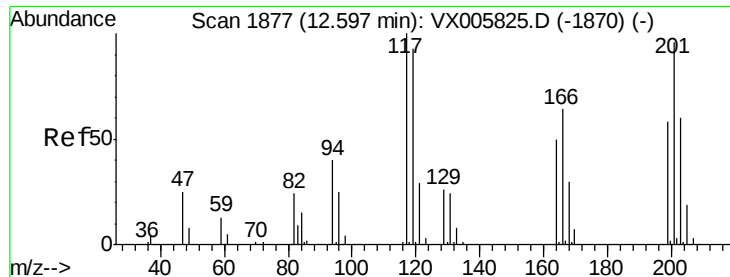
Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

89 0.1 39.8 59.8#





#90

Hexachloroethane

Concen: 0.388 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

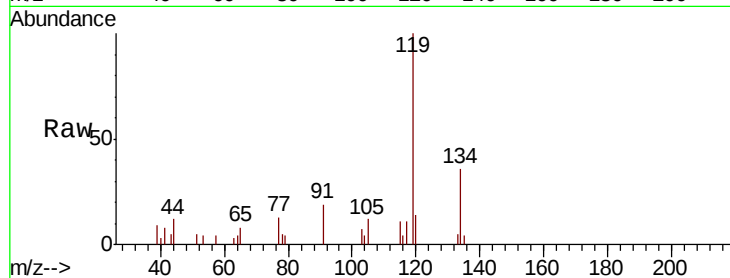
EP2-SB-108(14-16)ME

Tot Ion:117 Resp: 298

Ion Ratio Lower Upper

117 100

201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

250

200

150

100

50

0

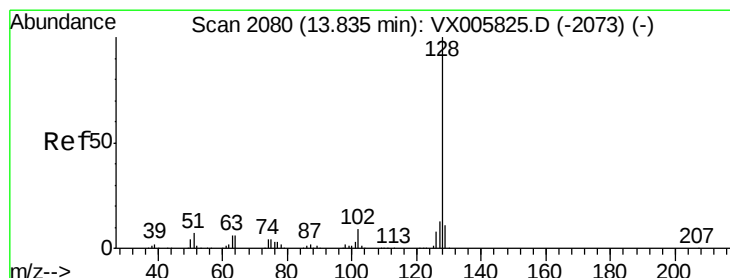
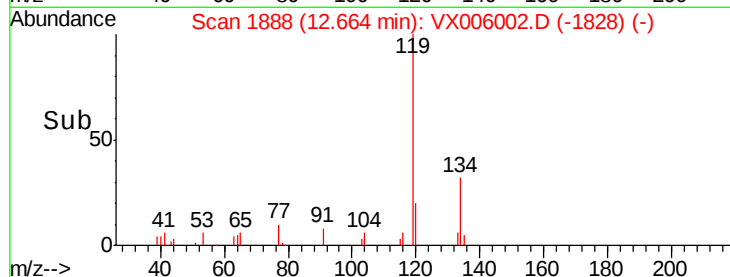
12.64

12.66

12.68

12.70

Time-->



#95

Naphthalene

Concen: 1.213 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006002.D

Acq: 15 Nov 2018 04:33

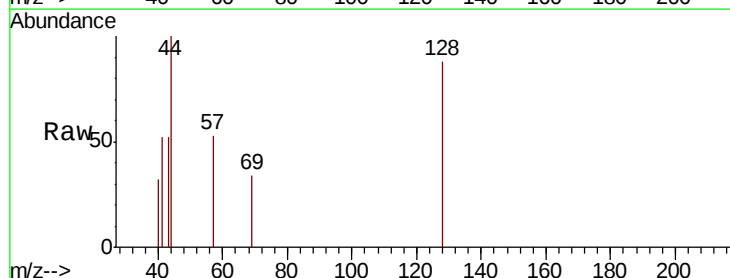
Tgt Ion:128 Resp: 221

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

150

100

50

0

13.80

13.83

13.85

Time-->

