

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009826.D
 Acq On : 23 May 2019 00:54
 Operator : JC/SP
 Sample : K2976-05 50X
 Misc : 5.39g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-E-6R(14-17)

Quant Time: May 23 07:23:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	179013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	292125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132256	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	124094	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	5.50	113	88653	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.71	98	375310	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	142628	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

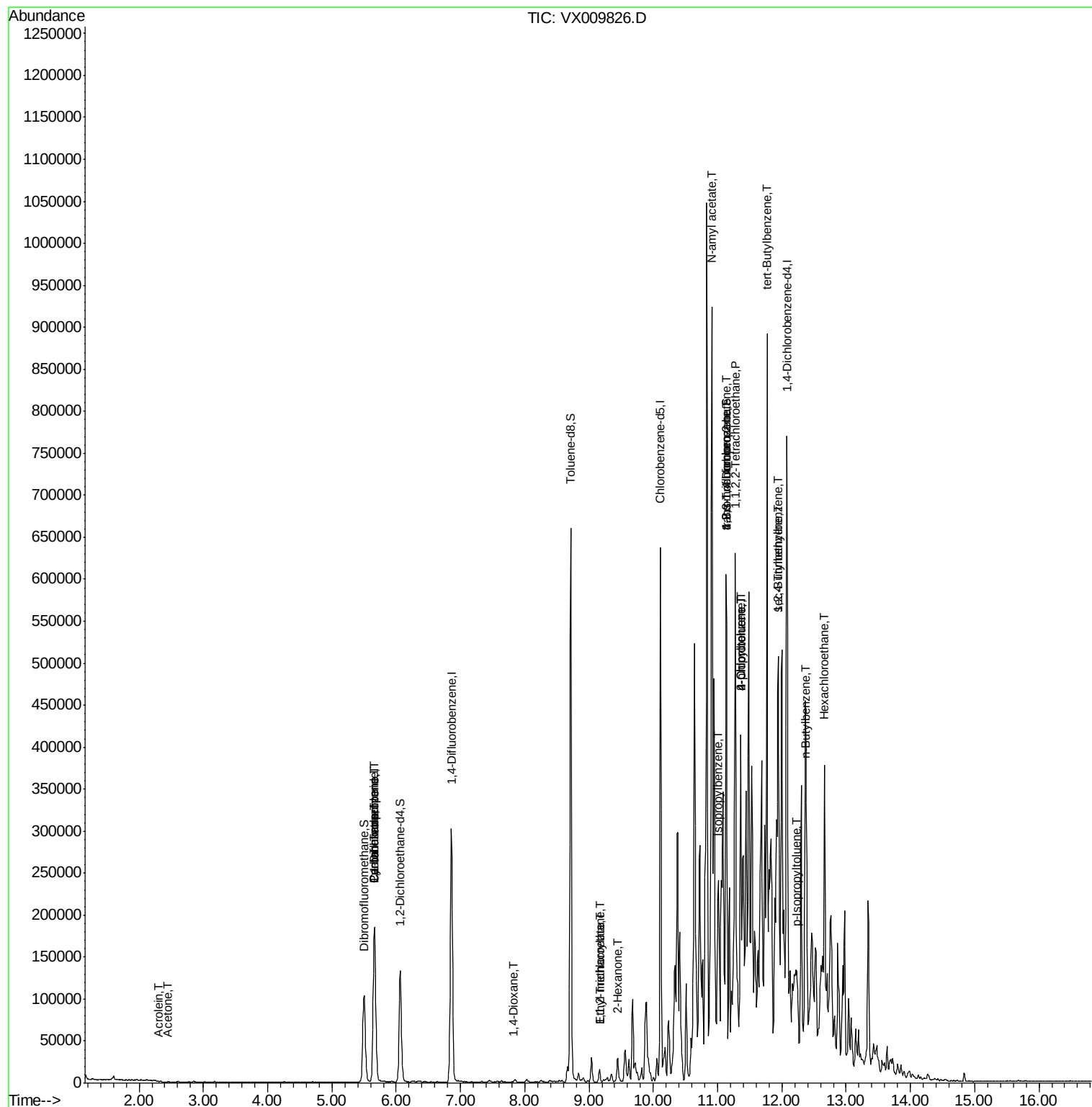
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.29	56	109	0.213	ug/l #	14
16) Acetone	2.45	43	582	0.444	ug/l #	75
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
31) Cyclohexane	5.66	56	4041	1.118	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14161	5.216	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16555	6.712	ug/l #	17
49) 1,4-Dioxane	7.82	88	22	0.361	ug/l #	20
55) 1,1,2-Trichloroethane	9.16	97	4637	2.225	ug/l #	21
56) Ethyl methacrylate	9.16	69	1150	0.309	ug/l #	1
59) 2-Hexanone	9.44	43	11026	3.550	ug/l #	32
73) Isopropylbenzene	11.02	105	73002	7.591	ug/l	99
74) N-amyl acetate	10.91	43	77345	13.794	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	35057	9.778	ug/l #	35
76) 1,2,3-Trichloropropane	11.13	75	70643	23.027	ug/l #	36
78) n-propylbenzene	11.36	91	205025	18.666	ug/l	99
79) 2-Chlorotoluene	11.36	91	205025	30.256	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.13	75	70643	58.917	ug/l #	10
82) 4-Chlorotoluene	11.36	91	205025	26.782	ug/l #	46
83) tert-Butylbenzene	11.77	119	13653	1.733	ug/l	83
84) 1,2,4-Trimethylbenzene	11.94	105	98007	12.058	ug/l #	32
85) sec-Butylbenzene	11.94	105	98007	10.494	ug/l	96
86) p-Isopropyltoluene	12.23	119	25529	3.041	ug/l	91
89) n-Butylbenzene	12.38	91	63364	8.350	ug/l	89
90) Hexachloroethane	12.66	117	13884	9.706	ug/l #	7

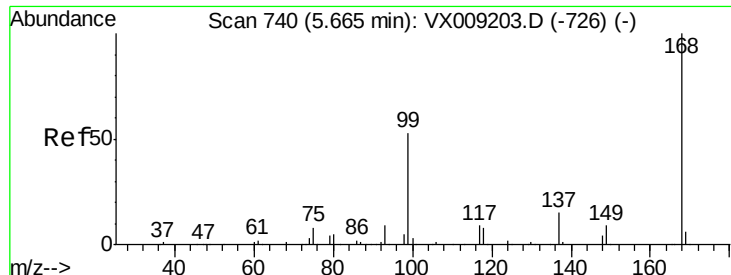
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
EP1-SB-E-6R(14-17)

Quant Time: May 23 07:23:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

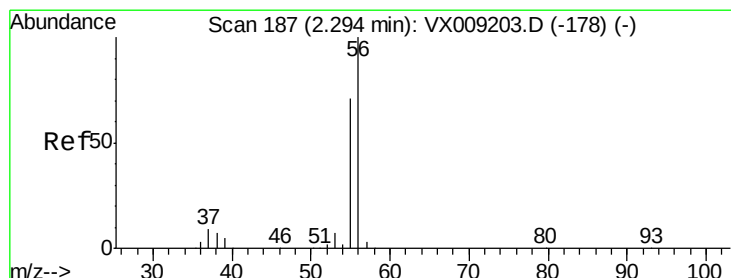
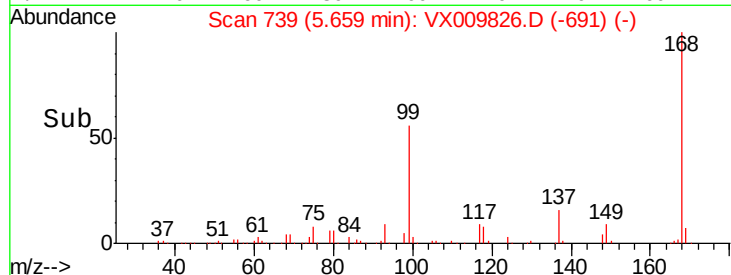
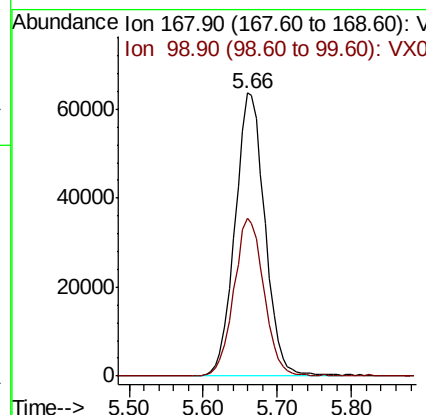
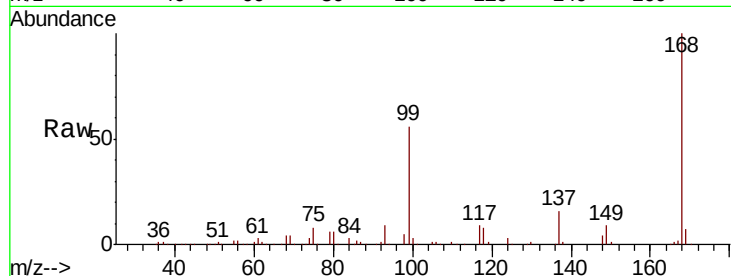




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

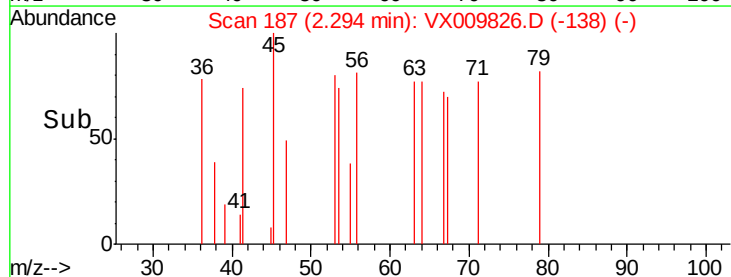
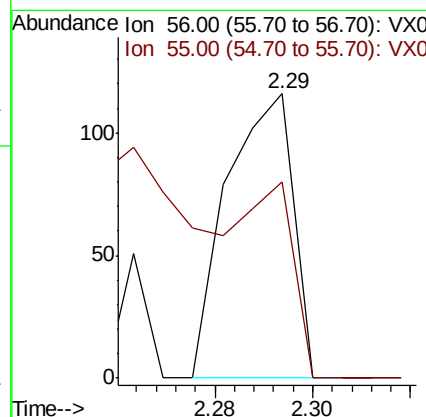
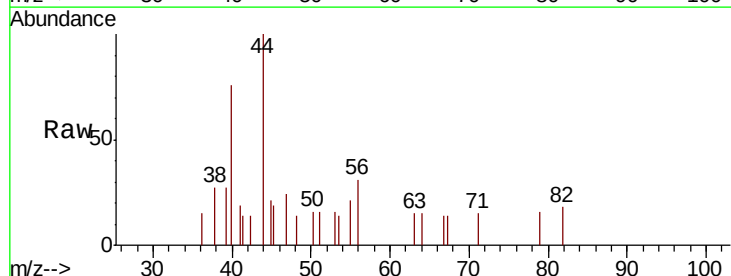
Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-E-6R(14-17)

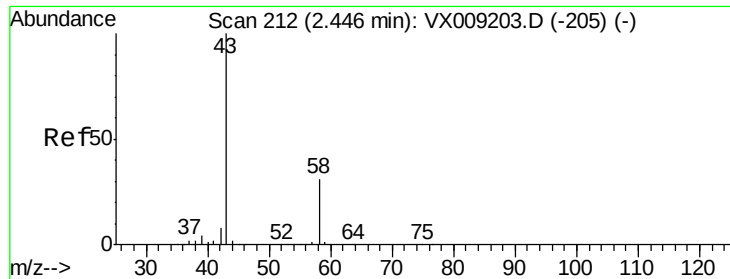
Tot Ion:168 Resp: 179013
Ion Ratio Lower Upper
168 100
99 55.5 42.3 63.5



#13
Acrolein
Concen: 0.213 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#





#16

Acetone

Concen: 0.444 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

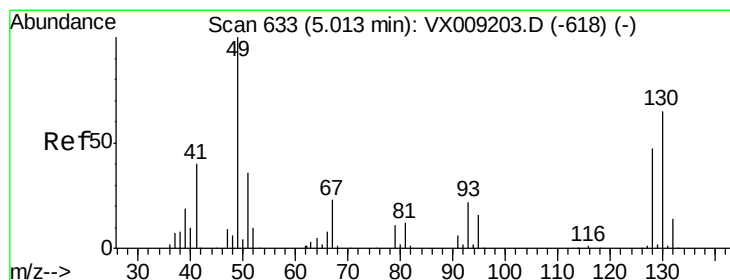
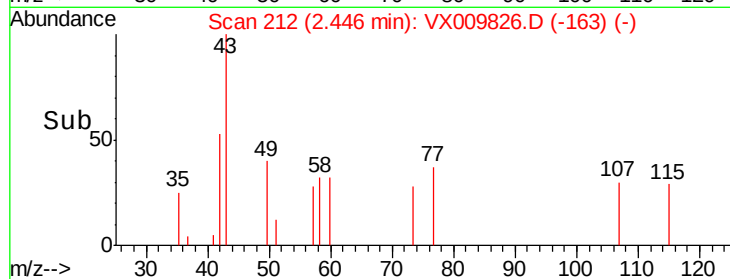
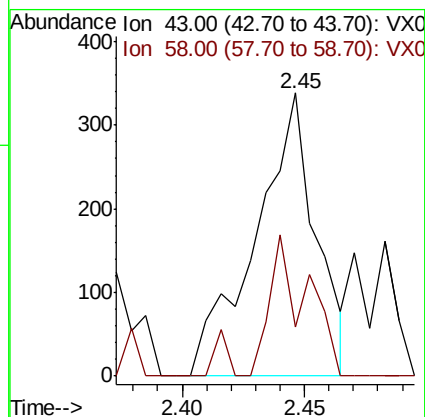
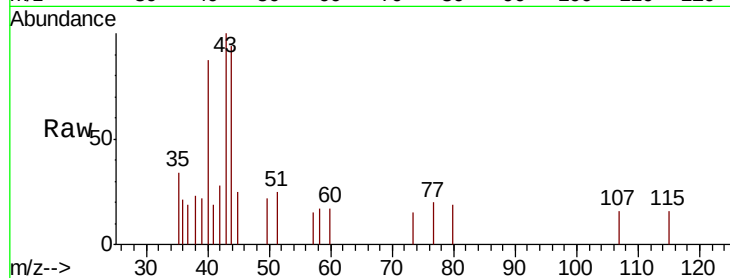
EP1-SB-E-6R(14-17)

Tot Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

58 17.5 24.9 37.3#



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

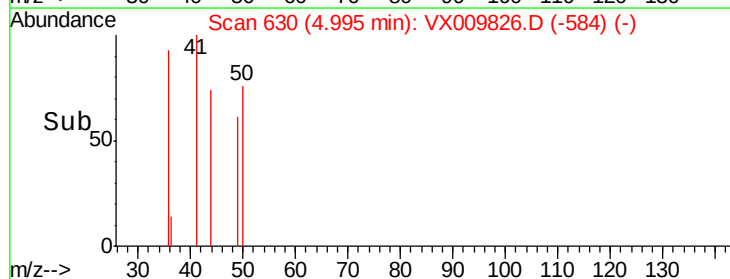
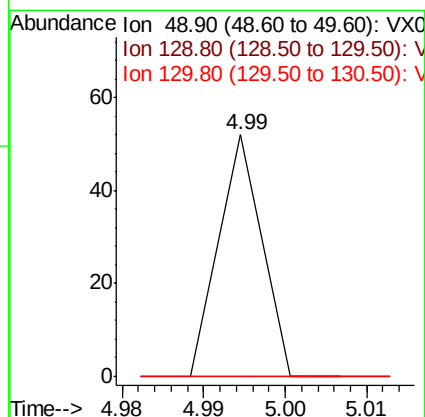
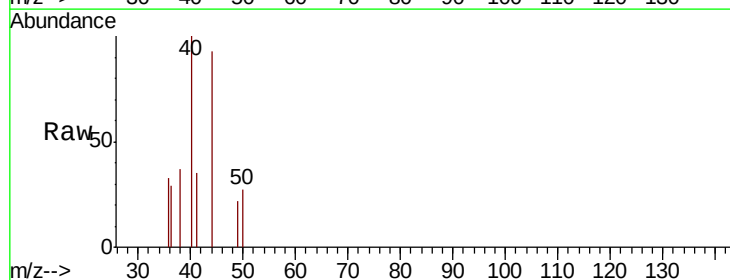
Tgt Ion: 49 Resp: 19

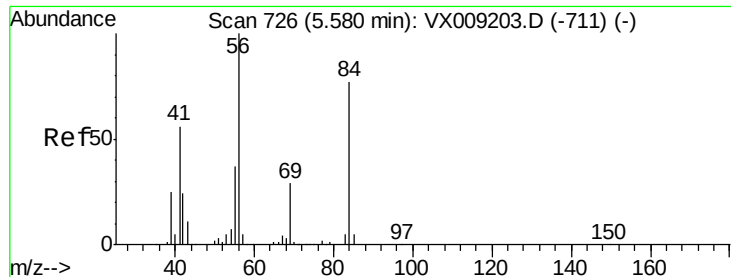
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#

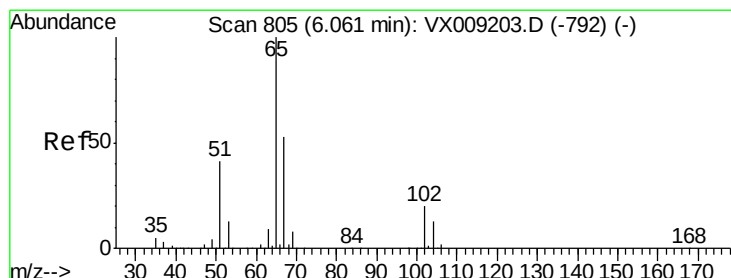
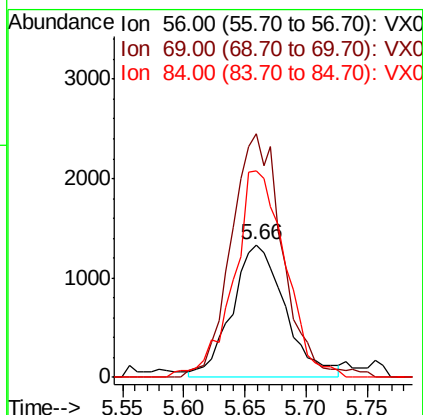
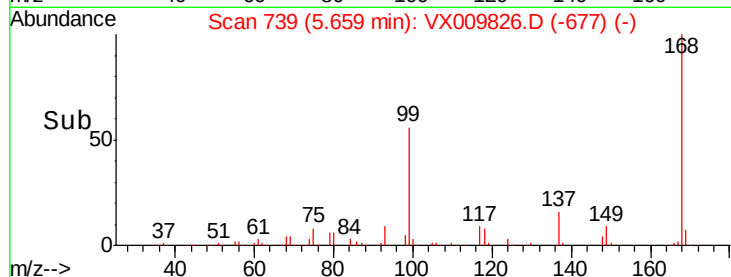
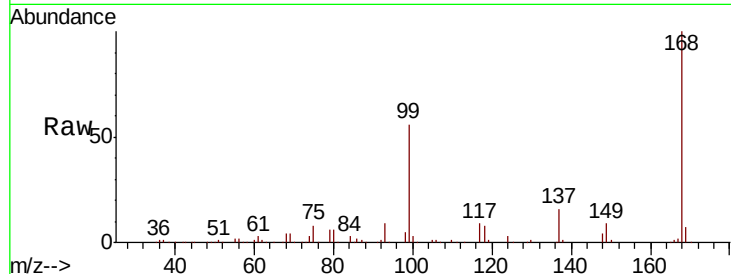




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

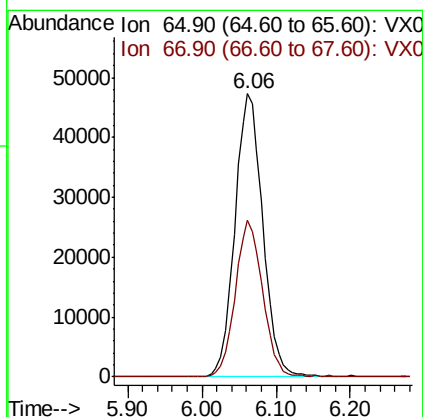
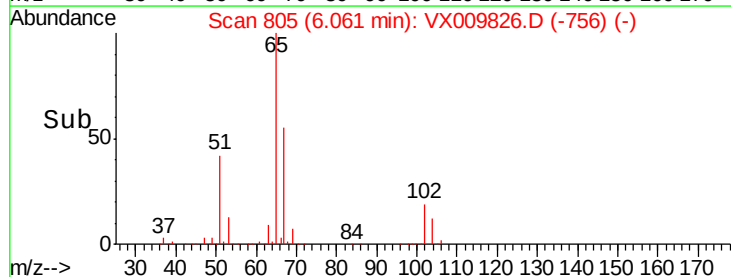
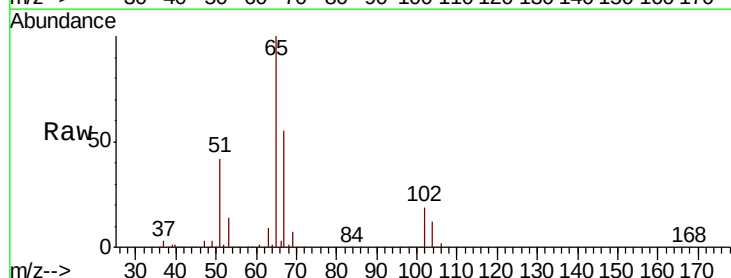
Instrument :
MSVOA_X
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EP1-SB-E-6R(14-17)

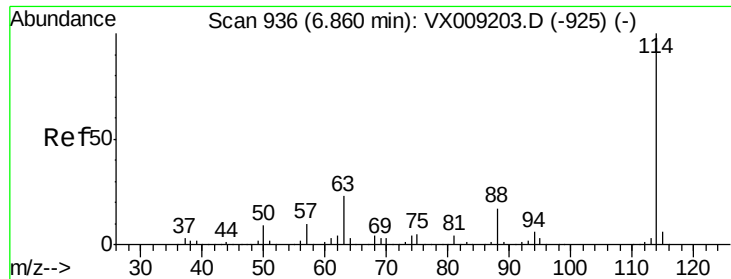
Tot Ion: 56 Resp: 4041
Ion Ratio Lower Upper
56 100
69 186.0 23.4 35.0#
84 157.4 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 50.780 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

Tgt Ion: 65 Resp: 124094
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.6

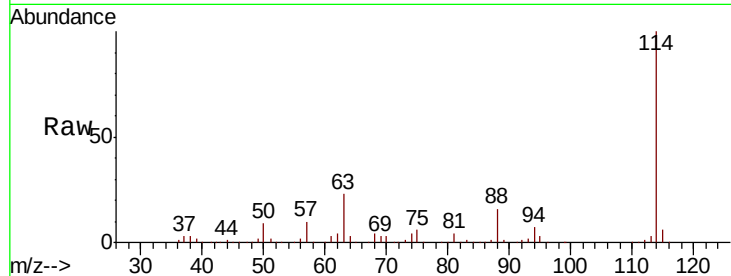




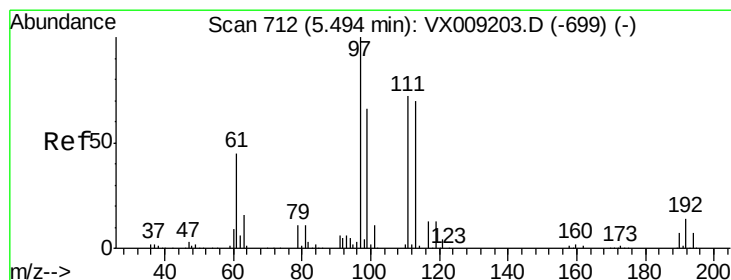
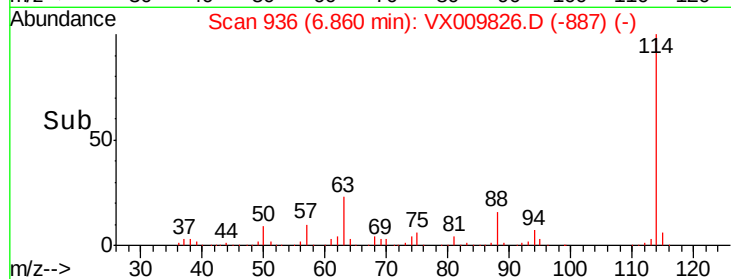
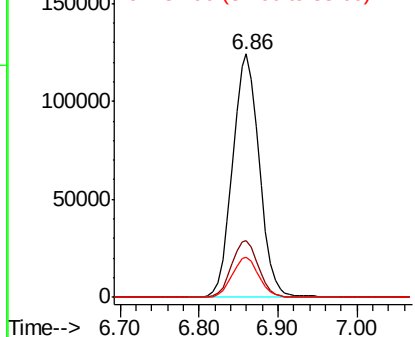
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009826.D
 Acq: 23 May 2019 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-E-6R(14-17)

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.6
88	16.3	0.0	33.2

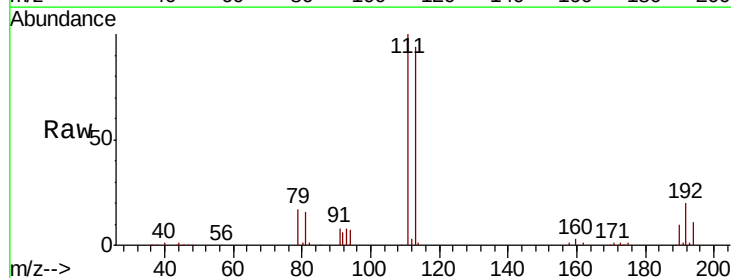


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

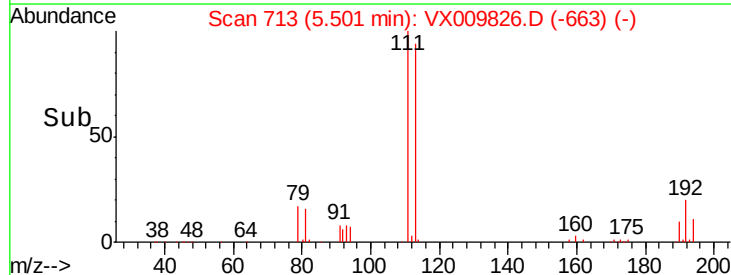
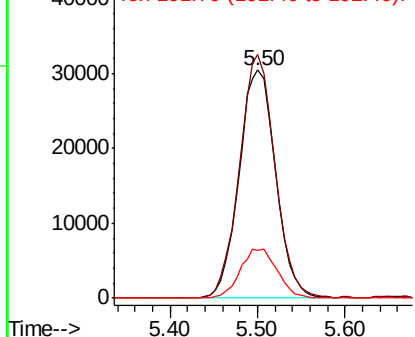


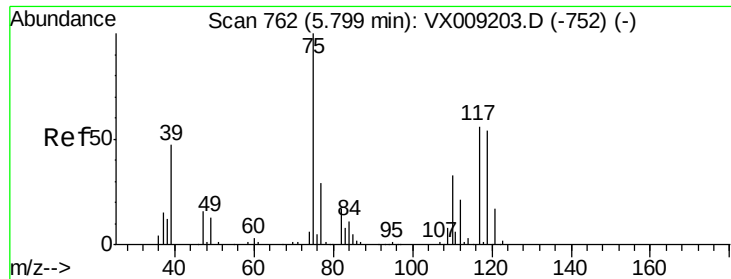
#35
 Dibromofluoromethane
 Concen: 48.275 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009826.D
 Acq: 23 May 2019 00:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.8	124.2
192	22.0	17.0	25.6



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

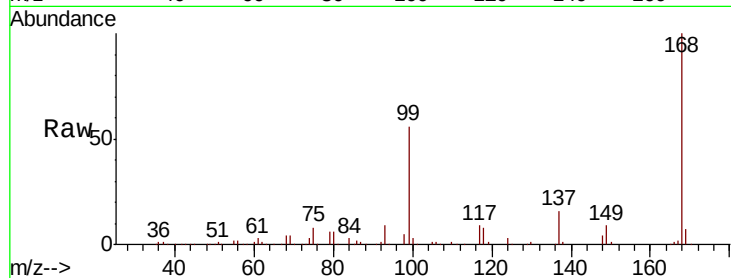




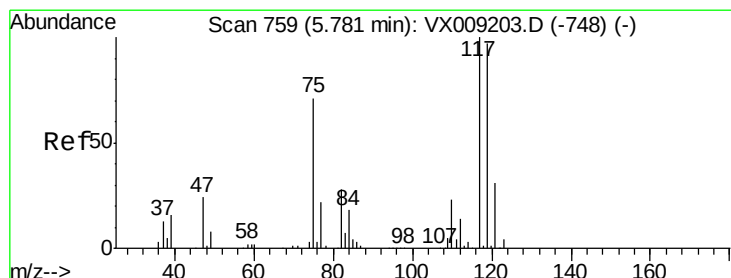
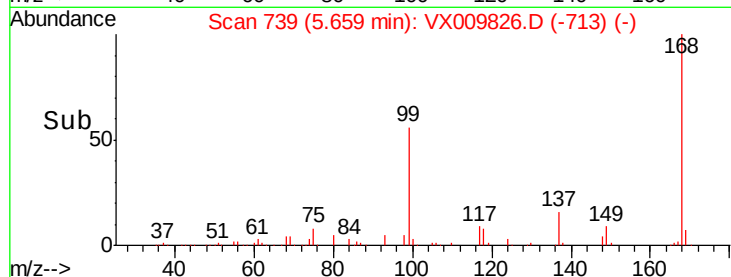
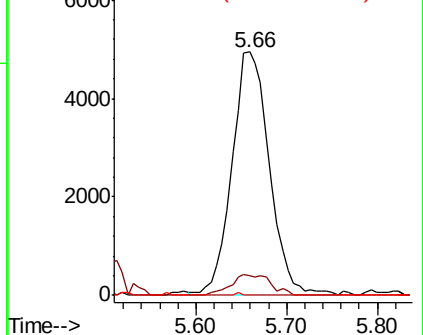
#36
 1,1-Dichloropropene
 Concen: 5.216 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009826.D
 Acq: 23 May 2019 00:54

Instrument :
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Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.9	50.6#
77	0.1	24.8	37.2#

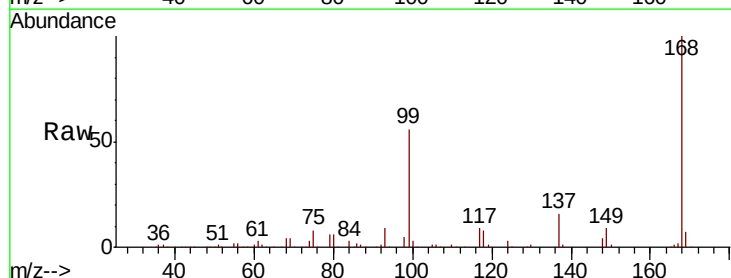


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

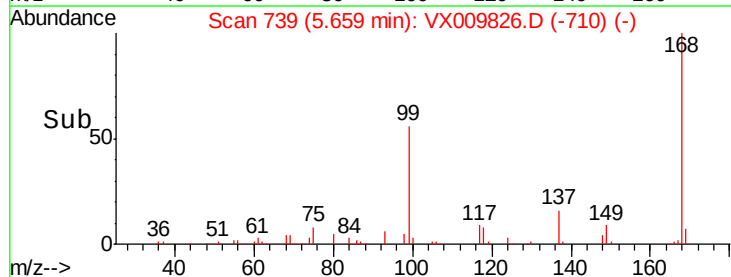
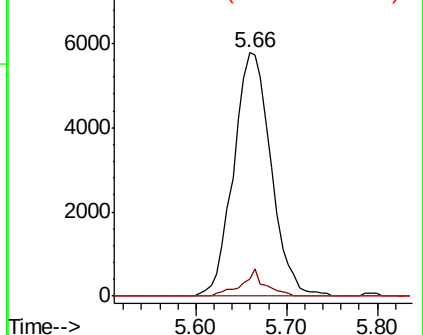


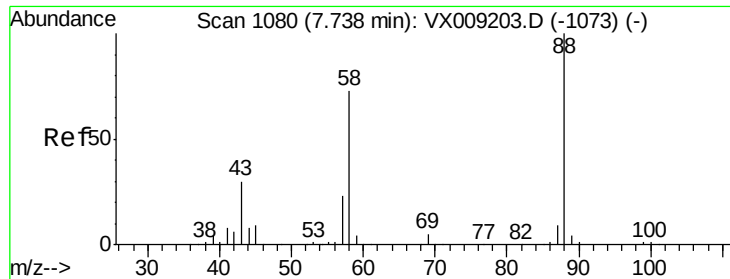
#38
 Carbon Tetrachloride
 Concen: 6.712 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009826.D
 Acq: 23 May 2019 00:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	77.5	116.3#
121	0.0	24.7	37.1#



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

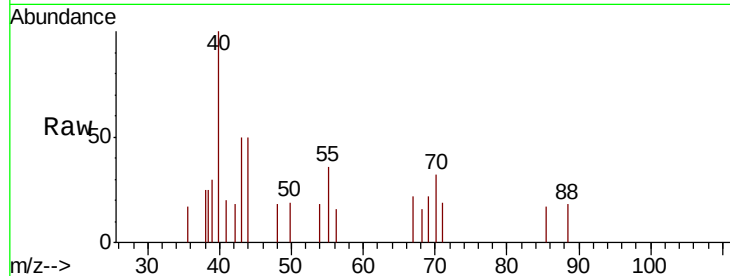




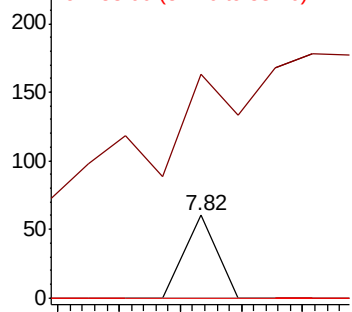
#49
1,4-Dioxane
Concen: 0.361 ug/l
RT: 7.82 min Scan# 1094
Delta R.T. 0.09 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

Instrument :
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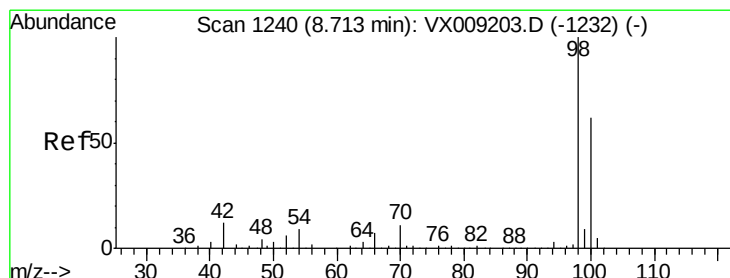
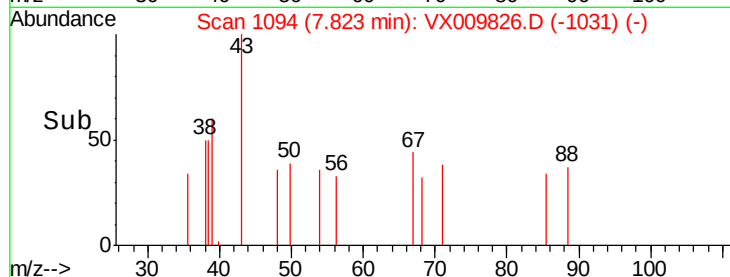
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

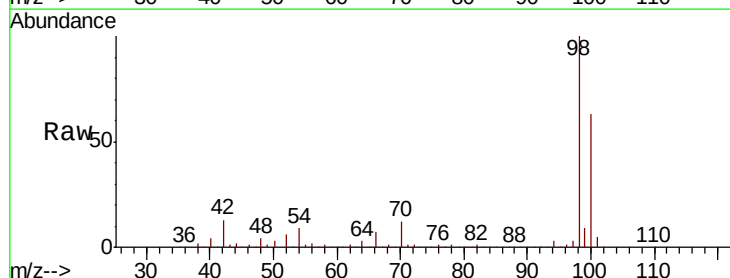


Time--> 7.80 7.81 7.82 7.83 7.84

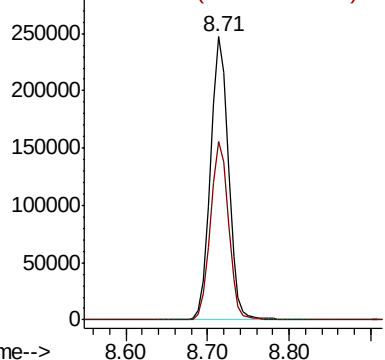


#50
Toluene-d8
Concen: 50.621 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

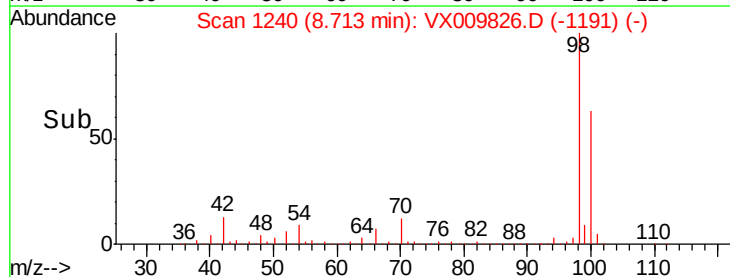
Tgt Ion: 98 Resp: 375310
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8

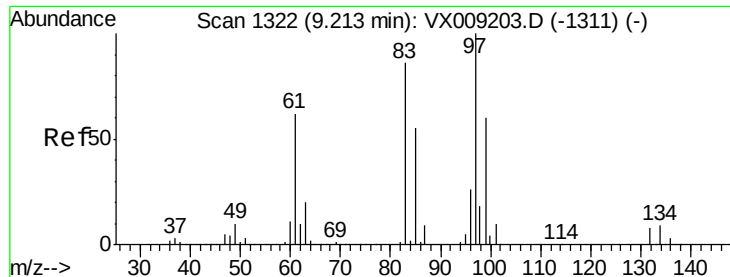


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80





#55

1,1,2-Trichloroethane

Concen: 2.225 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-E-6R(14-17)

Tot Ion: 97 Resp: 4637

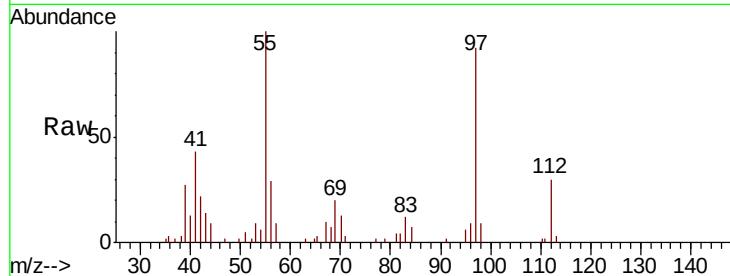
Ion Ratio Lower Upper

97 100

83 12.7 68.9 103.3#

85 0.0 43.8 65.6#

99 0.0 48.2 72.2#

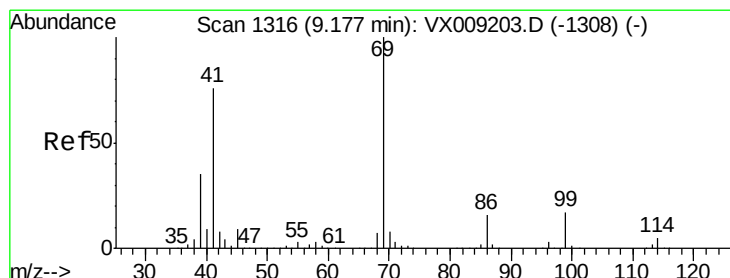
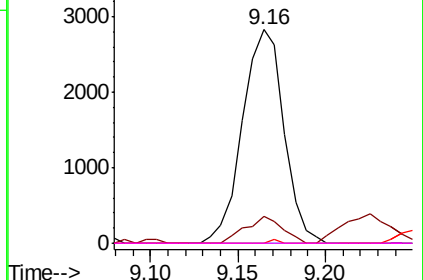
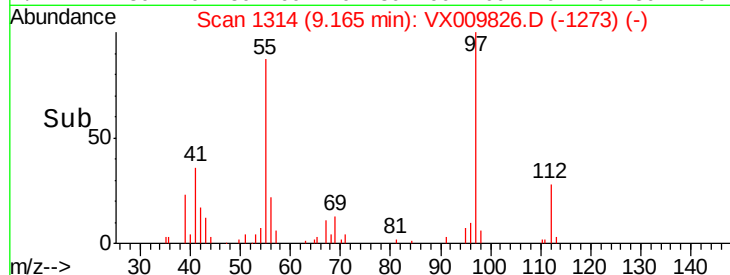


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 0.309 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

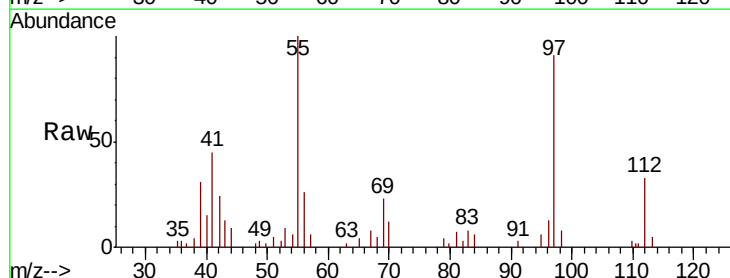
Tgt Ion: 69 Resp: 1150

Ion Ratio Lower Upper

69 100

41 173.9 60.6 90.8#

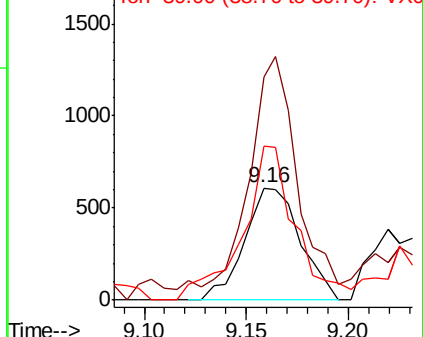
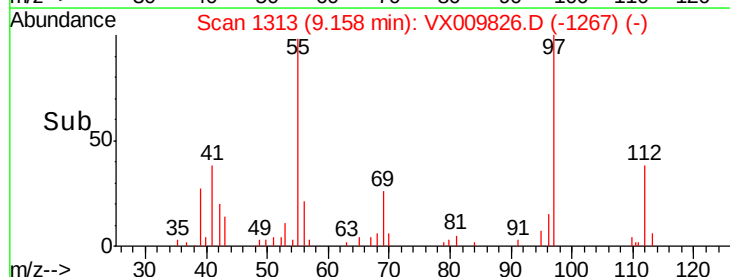
39 131.6 28.2 42.4#

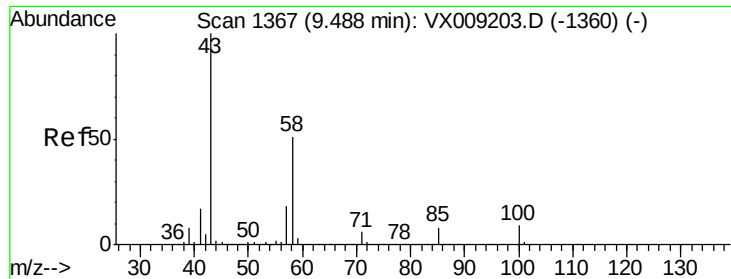


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

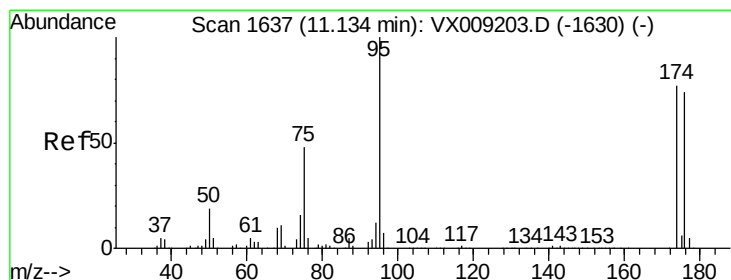
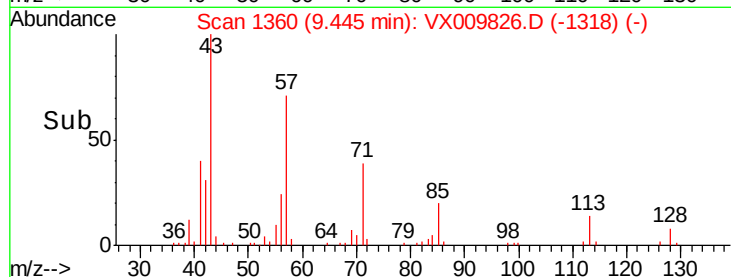
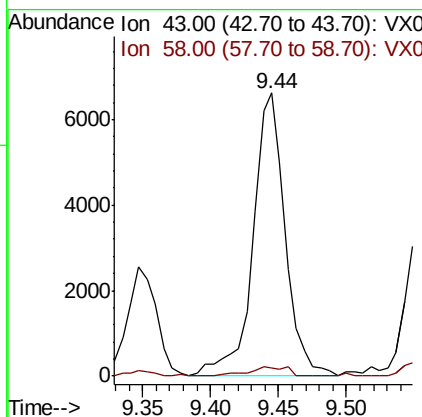
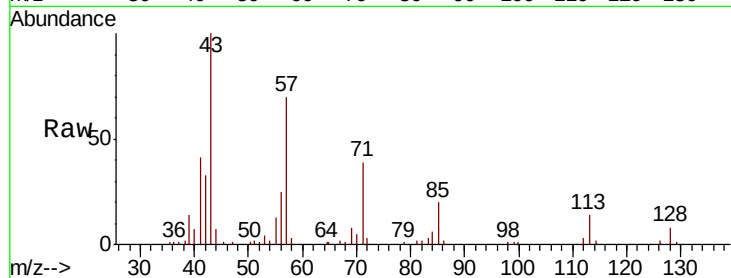




#59
2-Hexanone
Concen: 3.550 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

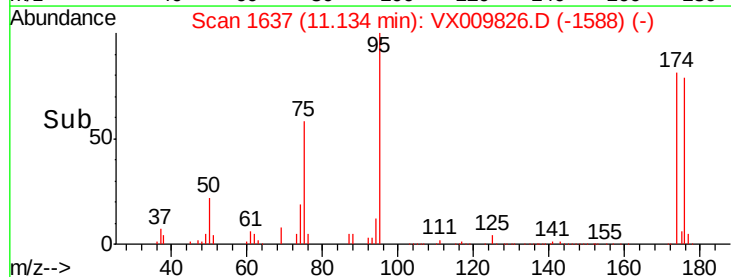
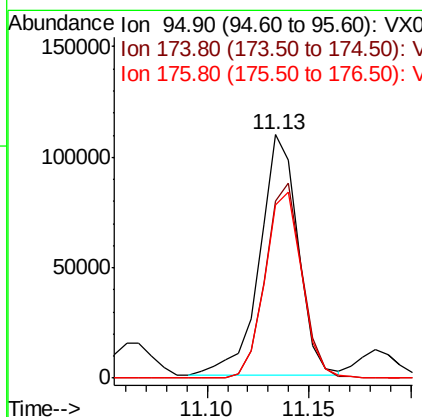
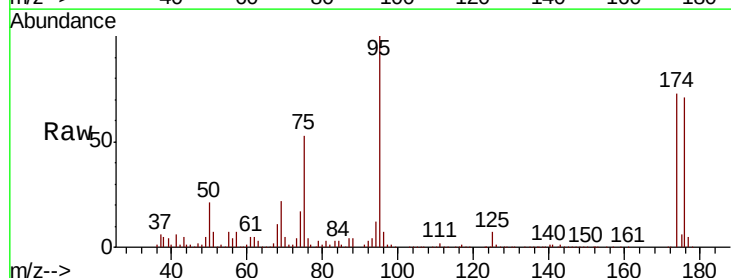
Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-E-6R(14-17)

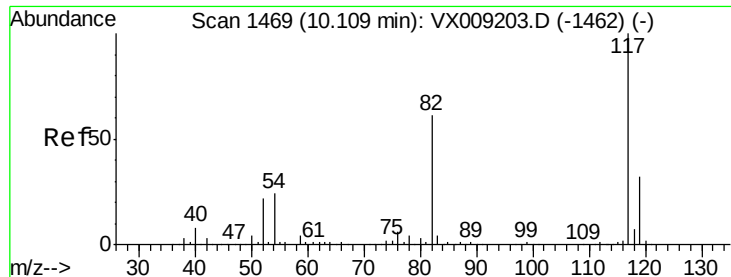
Tot Ion: 43 Resp: 11026
Ion Ratio Lower Upper
43 100
58 3.9 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 52.943 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

Tgt Ion: 95 Resp: 142628
Ion Ratio Lower Upper
95 100
174 77.3 0.0 161.6
176 74.9 0.0 159.2

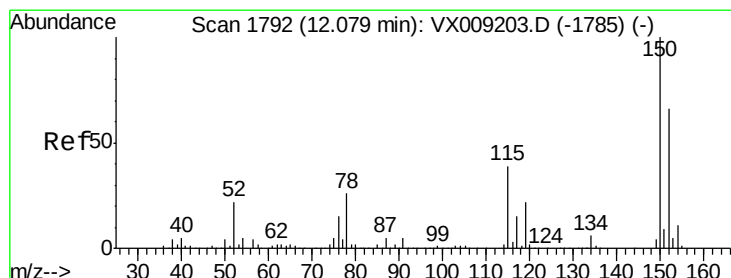
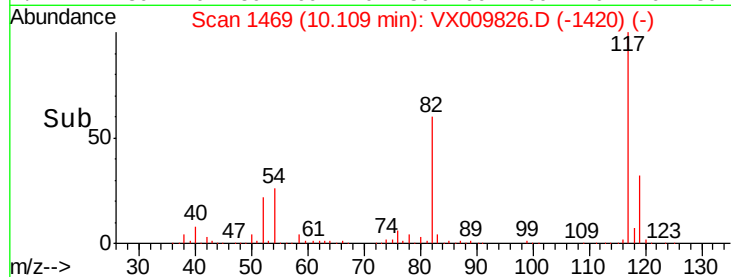
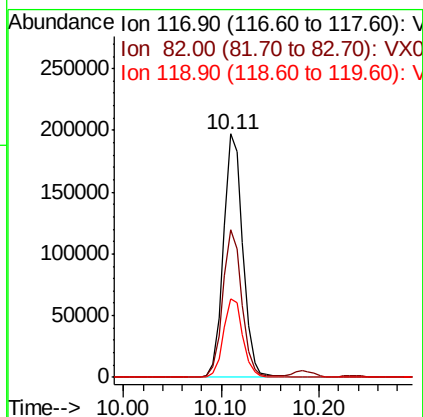
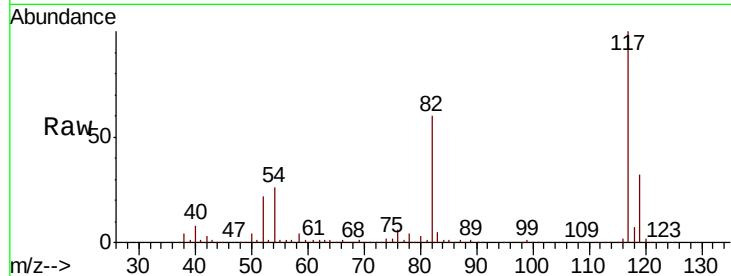




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

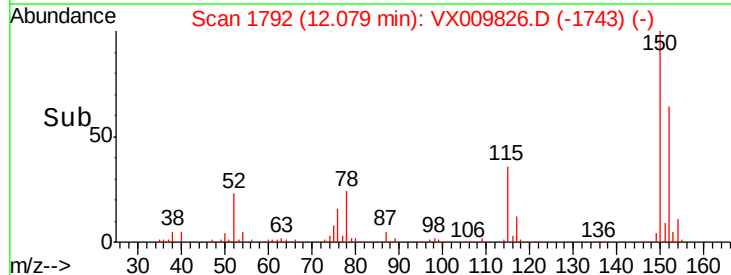
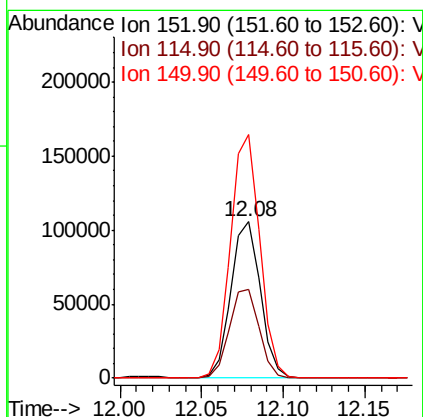
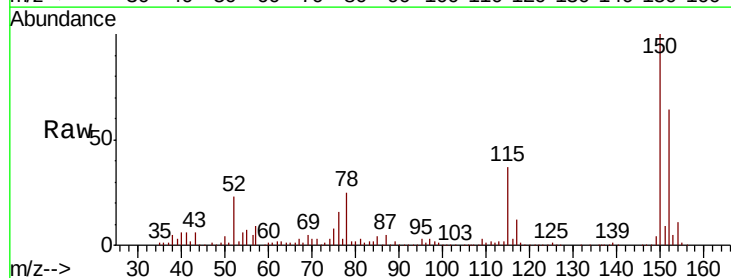
Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-E-6R(14-17)

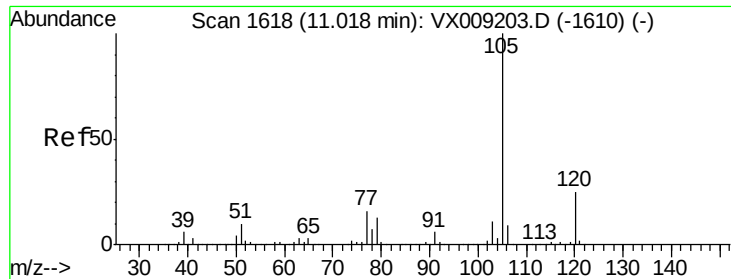
Tot Ion:117 Resp: 270079
Ion Ratio Lower Upper
117 100
82 60.2 48.8 73.2
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009826.D
Acq: 23 May 2019 00:54

Tgt Ion:152 Resp: 132256
Ion Ratio Lower Upper
152 100
115 58.0 41.2 123.6
150 155.6 0.0 346.4





#73

Isopropylbenzene

Concen: 7.591 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

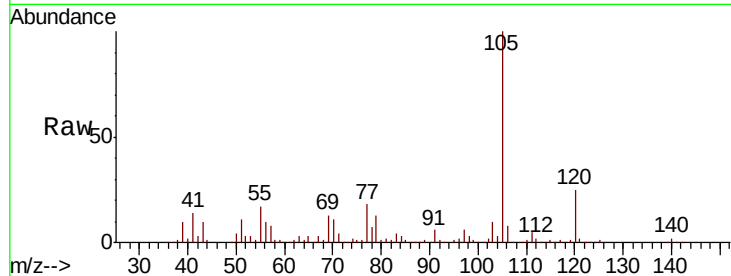
EP1-SB-E-6R(14-17)

Tot Ion:105 Resp: 73002

Ion Ratio Lower Upper

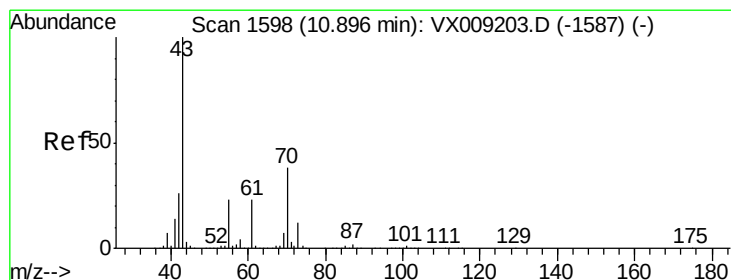
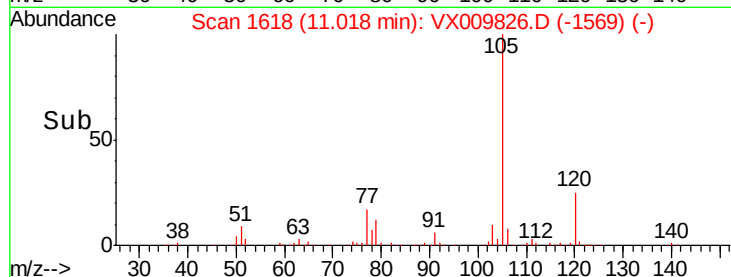
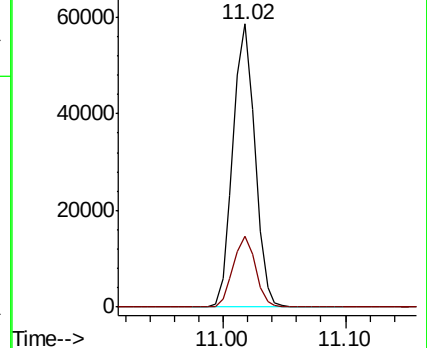
105 100

120 25.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 13.794 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Tgt Ion: 43 Resp: 77345

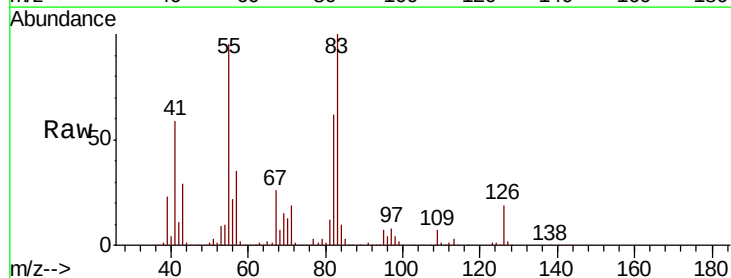
Ion Ratio Lower Upper

43 100

70 60.4 30.0 45.0#

55 286.7 17.9 26.9#

61 0.0 18.4 27.6#

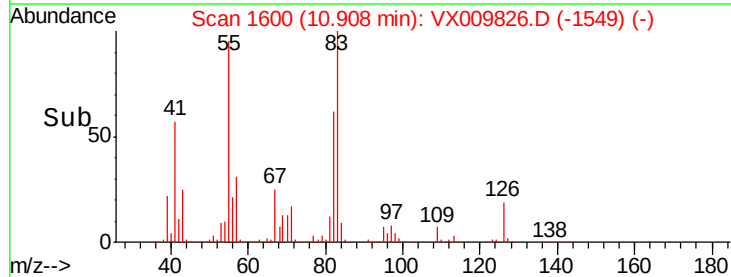
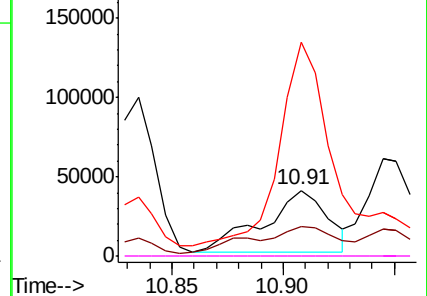


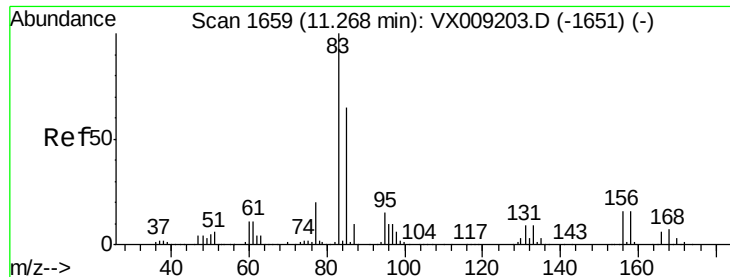
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 9.778 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-E-6R(14-17)

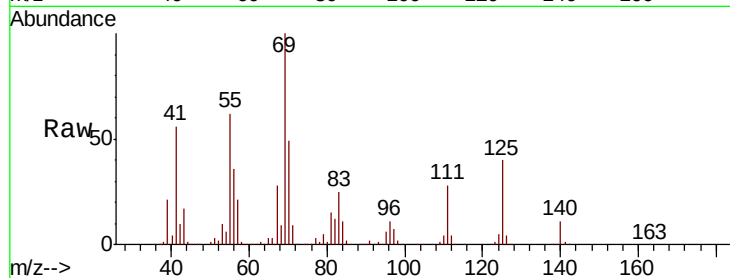
Tot Ion: 83 Resp: 35057

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

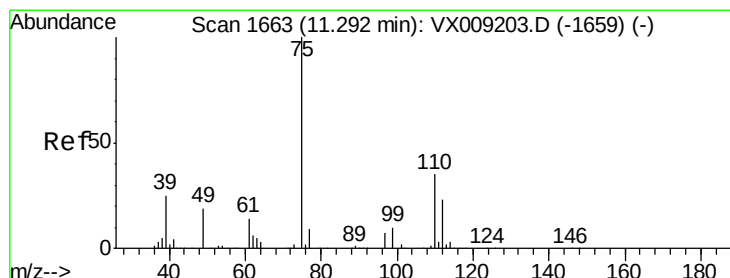
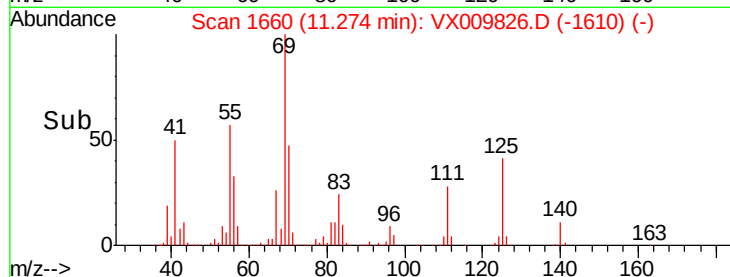
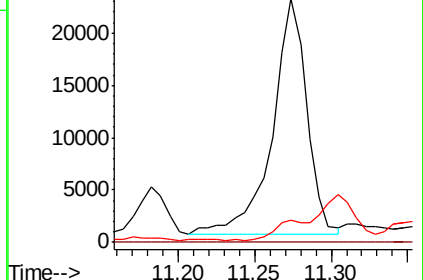
85 8.4 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.027 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009826.D

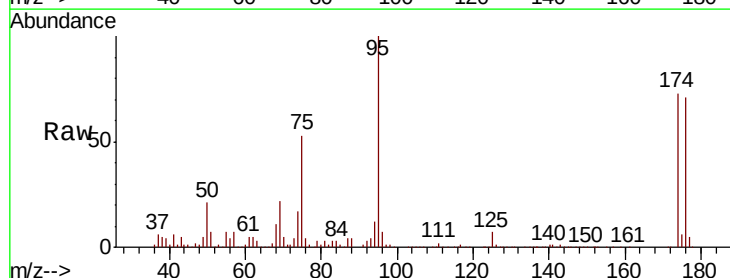
Acq: 23 May 2019 00:54

Tgt Ion: 75 Resp: 70643

Ion Ratio Lower Upper

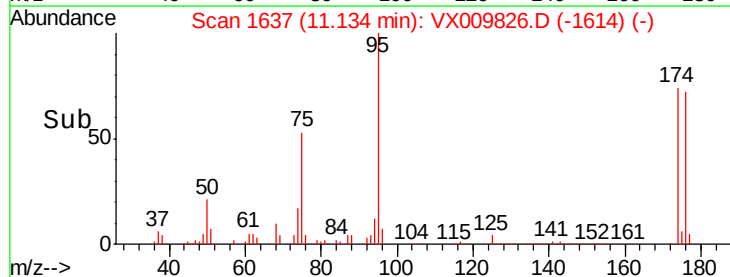
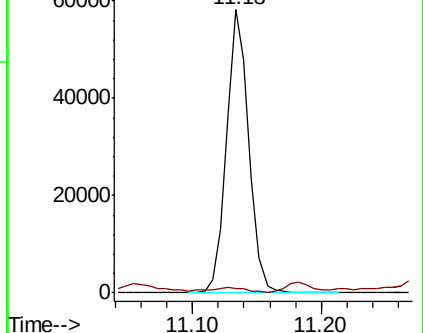
75 100

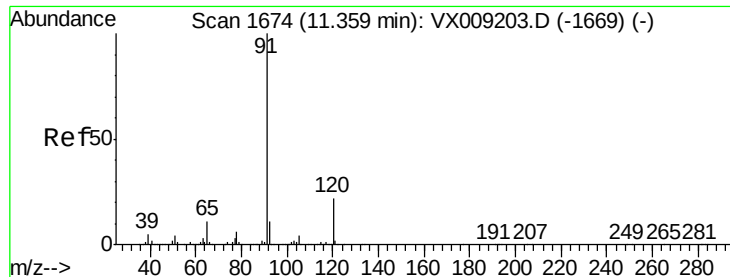
77 2.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 18.666 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

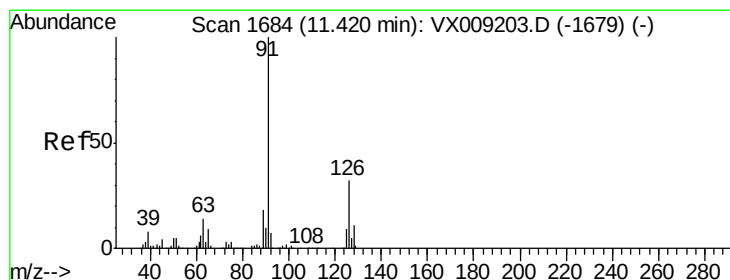
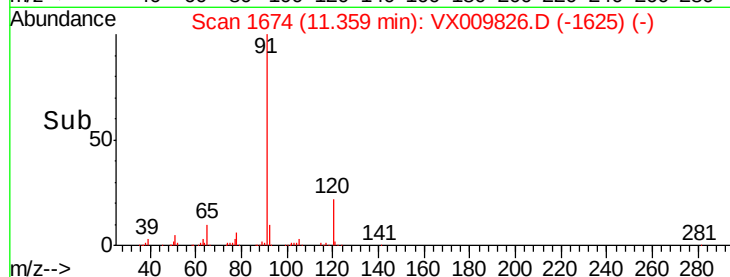
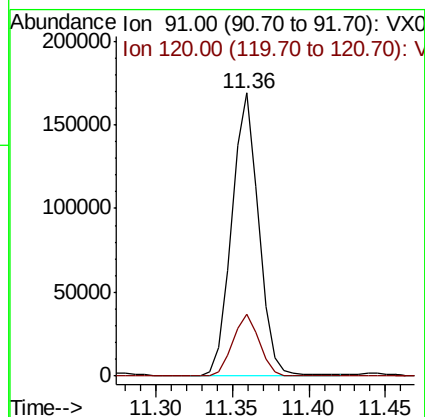
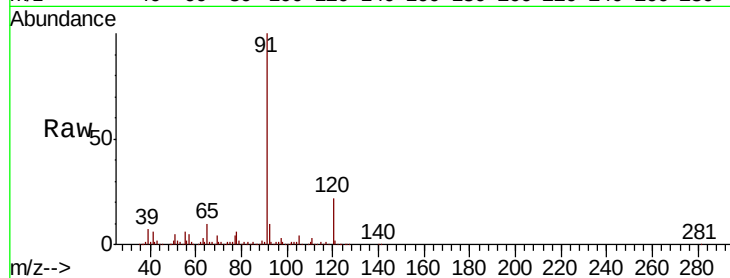
EP1-SB-E-6R(14-17)

Tot Ion: 91 Resp: 205025

Ion Ratio Lower Upper

91 100

120 21.5 11.0 33.0



#79

2-Chlorotoluene

Concen: 30.256 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX009826.D

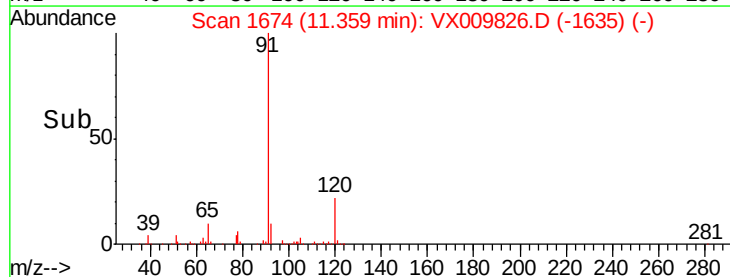
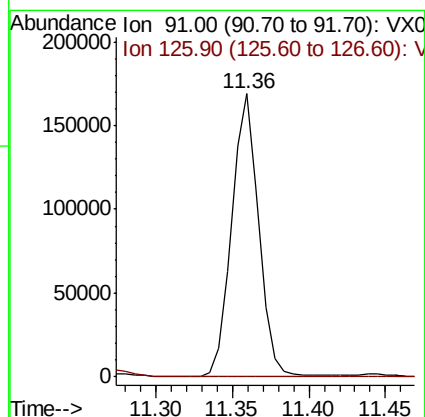
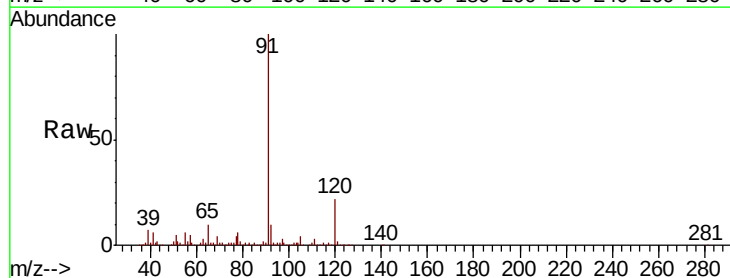
Acq: 23 May 2019 00:54

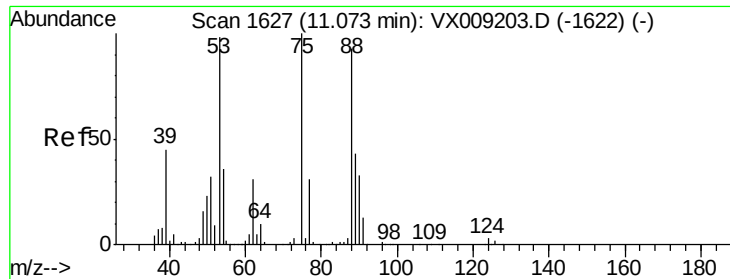
Tgt Ion: 91 Resp: 205025

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.9#





#81

trans-1,4-Dichloro-2-butene

Concen: 58.917 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-E-6R(14-17)

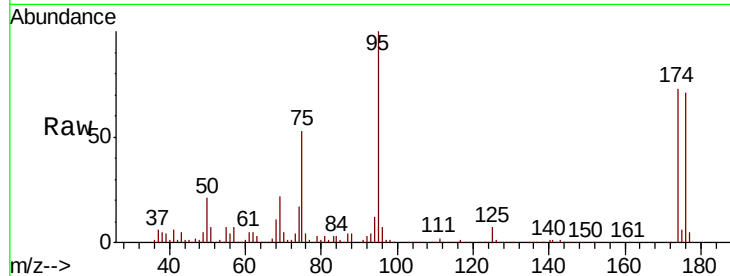
Tot Ion: 75 Resp: 70643

Ion Ratio Lower Upper

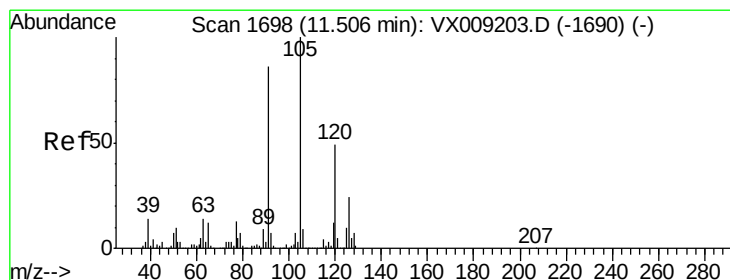
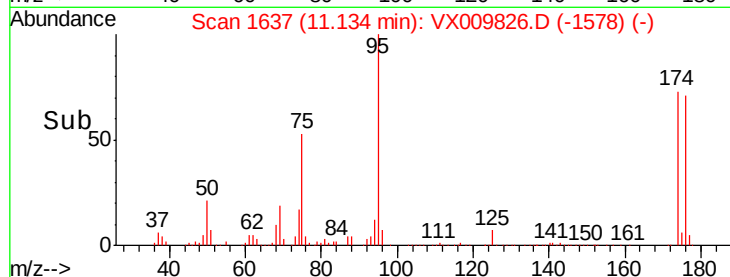
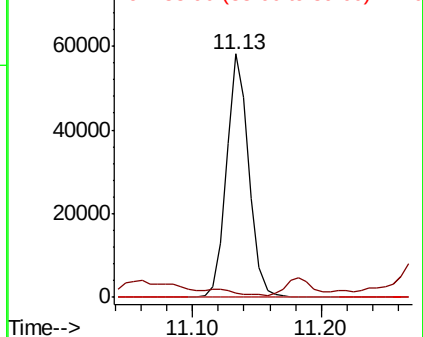
75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



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



#82

4-Chlorotoluene

Concen: 26.782 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX009826.D

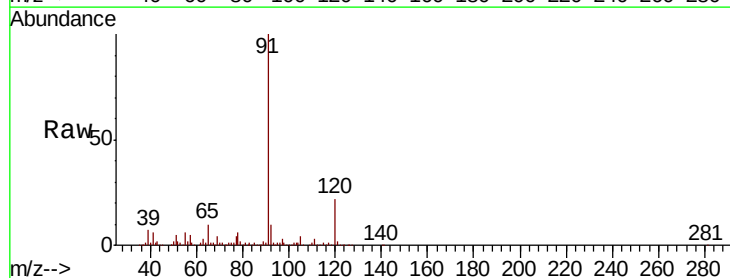
Acq: 23 May 2019 00:54

Tgt Ion: 91 Resp: 205025

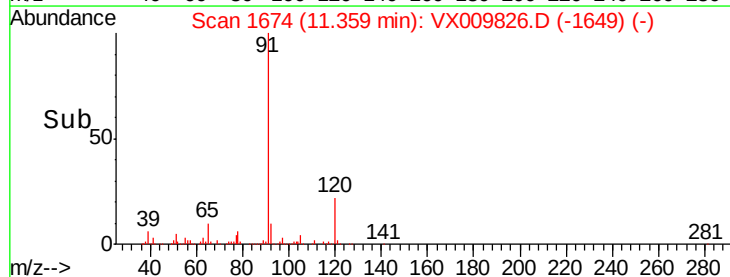
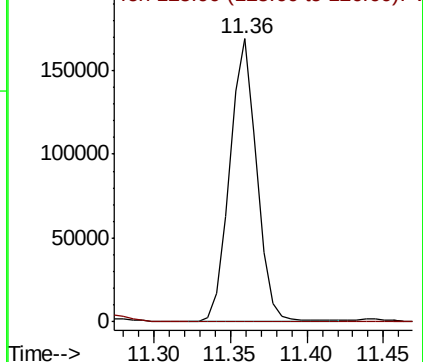
Ion Ratio Lower Upper

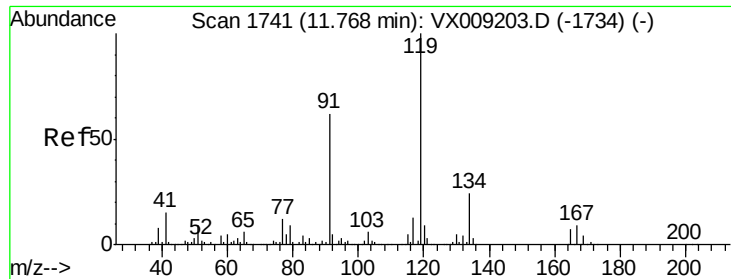
91 100

126 0.0 14.5 43.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

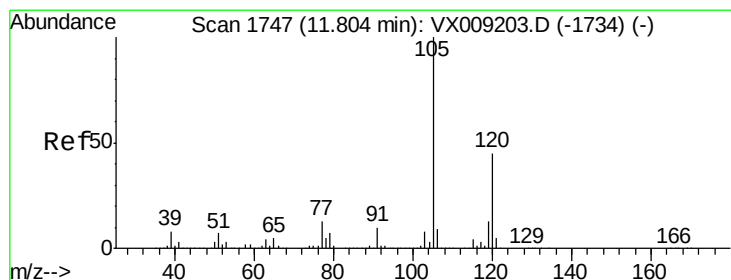
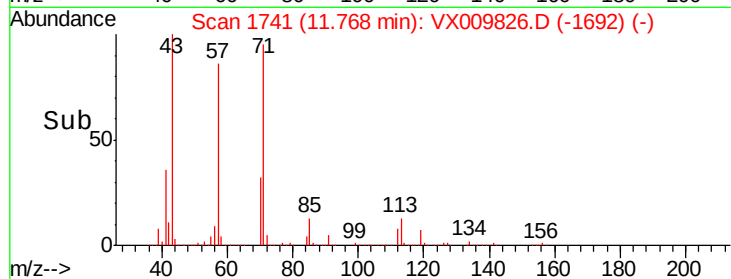
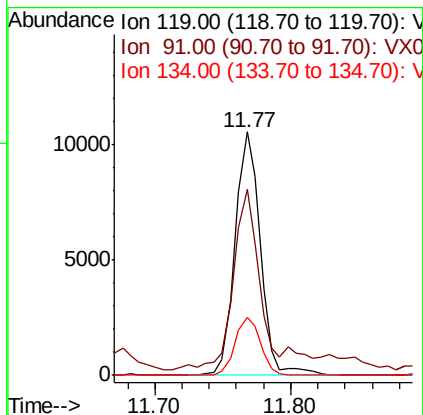
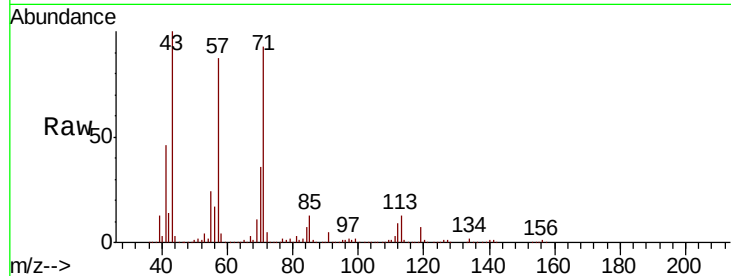




#83
 tert-Butylbenzene
 Concen: 1.733 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009826.D
 Acq: 23 May 2019 00:54

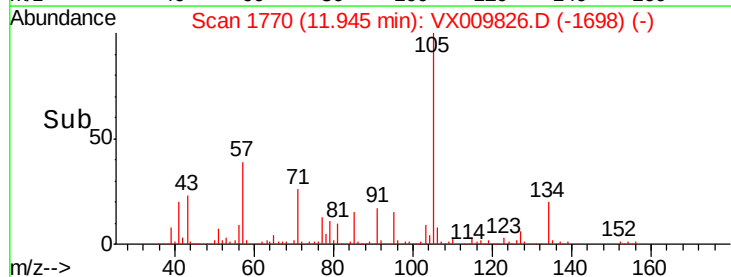
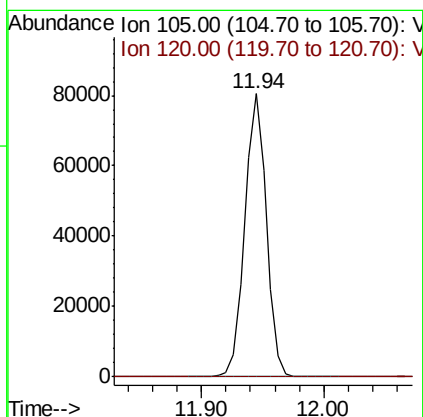
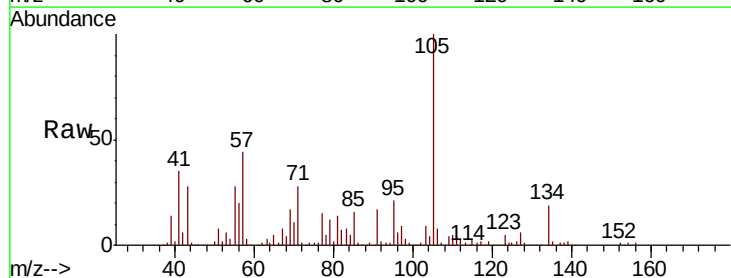
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-E-6R(14-17)

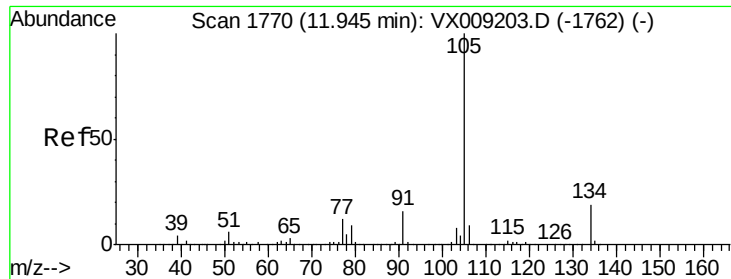
Tot Ion	Ratio	Lower	Upper
119	100		
91	75.8	29.5	88.5
134	23.9	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 12.058 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.14 min
 Lab File: VX009826.D
 Acq: 23 May 2019 00:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.1	22.0	66.0#





#85

sec-Butylbenzene

Concen: 10.494 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

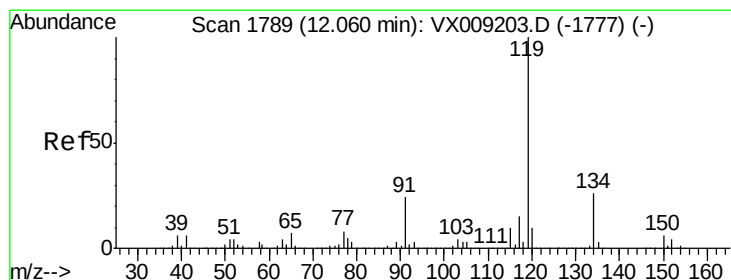
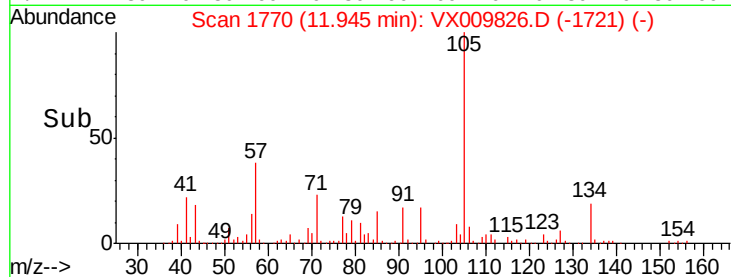
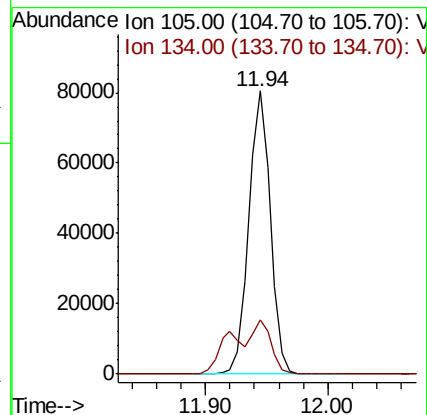
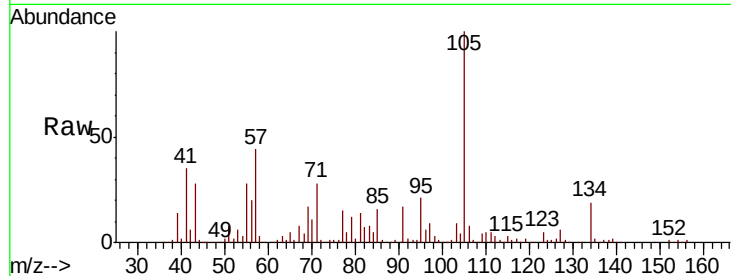
EP1-SB-E-6R(14-17)

Tot Ion:105 Resp: 98007

Ion Ratio Lower Upper

105 100

134 17.4 9.7 28.9



#86

p-Isopropyltoluene

Concen: 3.041 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

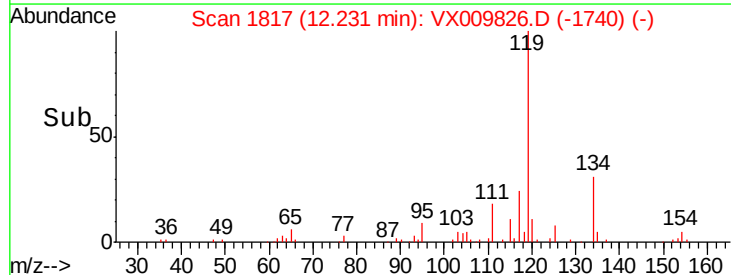
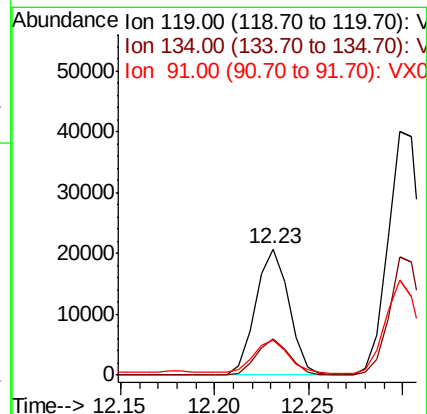
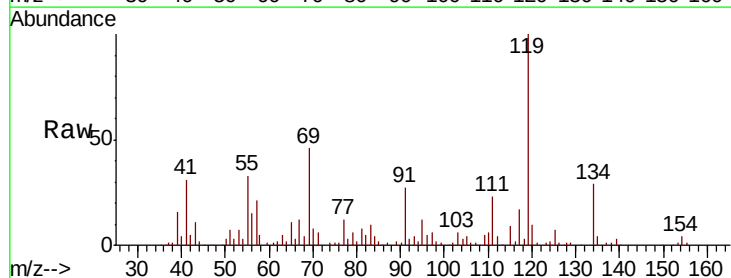
Tgt Ion:119 Resp: 25529

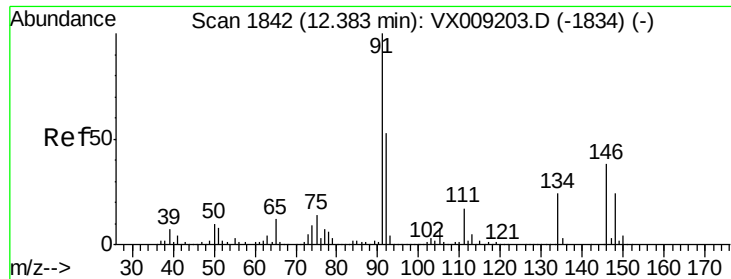
Ion Ratio Lower Upper

119 100

134 28.2 12.9 38.7

91 29.9 11.8 35.4





#89

n-Butylbenzene

Concen: 8.350 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-E-6R(14-17)

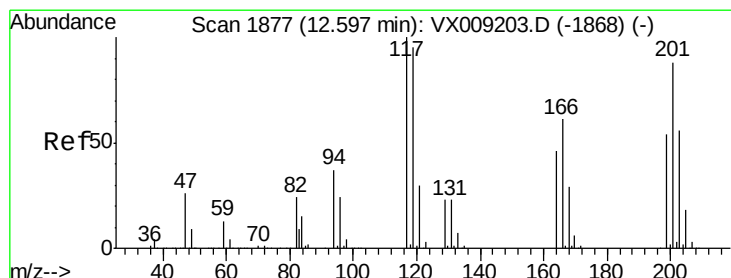
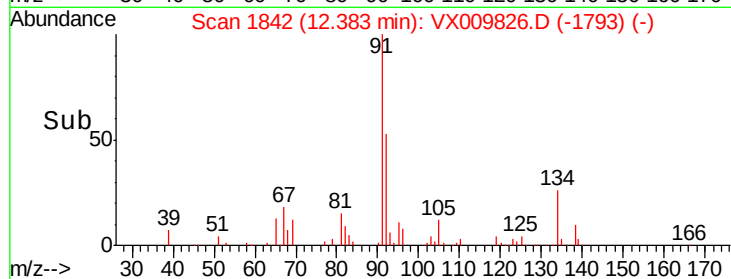
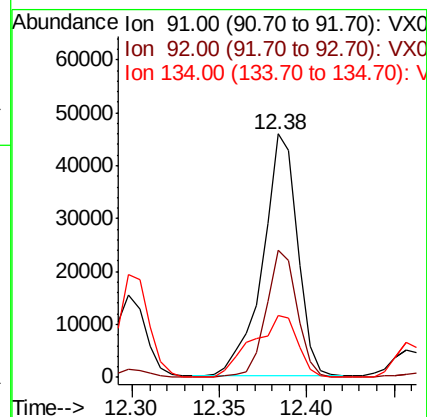
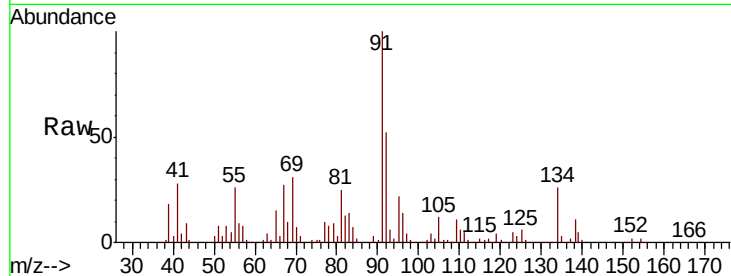
Tot Ion: 91 Resp: 63364

Ion Ratio Lower Upper

91 100

92 46.9 26.5 79.5

134 33.5 12.4 37.2



#90

Hexachloroethane

Concen: 9.706 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX009826.D

Acq: 23 May 2019 00:54

Tgt Ion: 117 Resp: 13884

Ion Ratio Lower Upper

117 100

201 0.0 42.3 126.9#

