

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007393.D
 Acq On : 06 Feb 2019 12:25
 Operator : JC/SP
 Sample : K1383-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-02-05-19

Quant Time: Feb 07 00:00:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

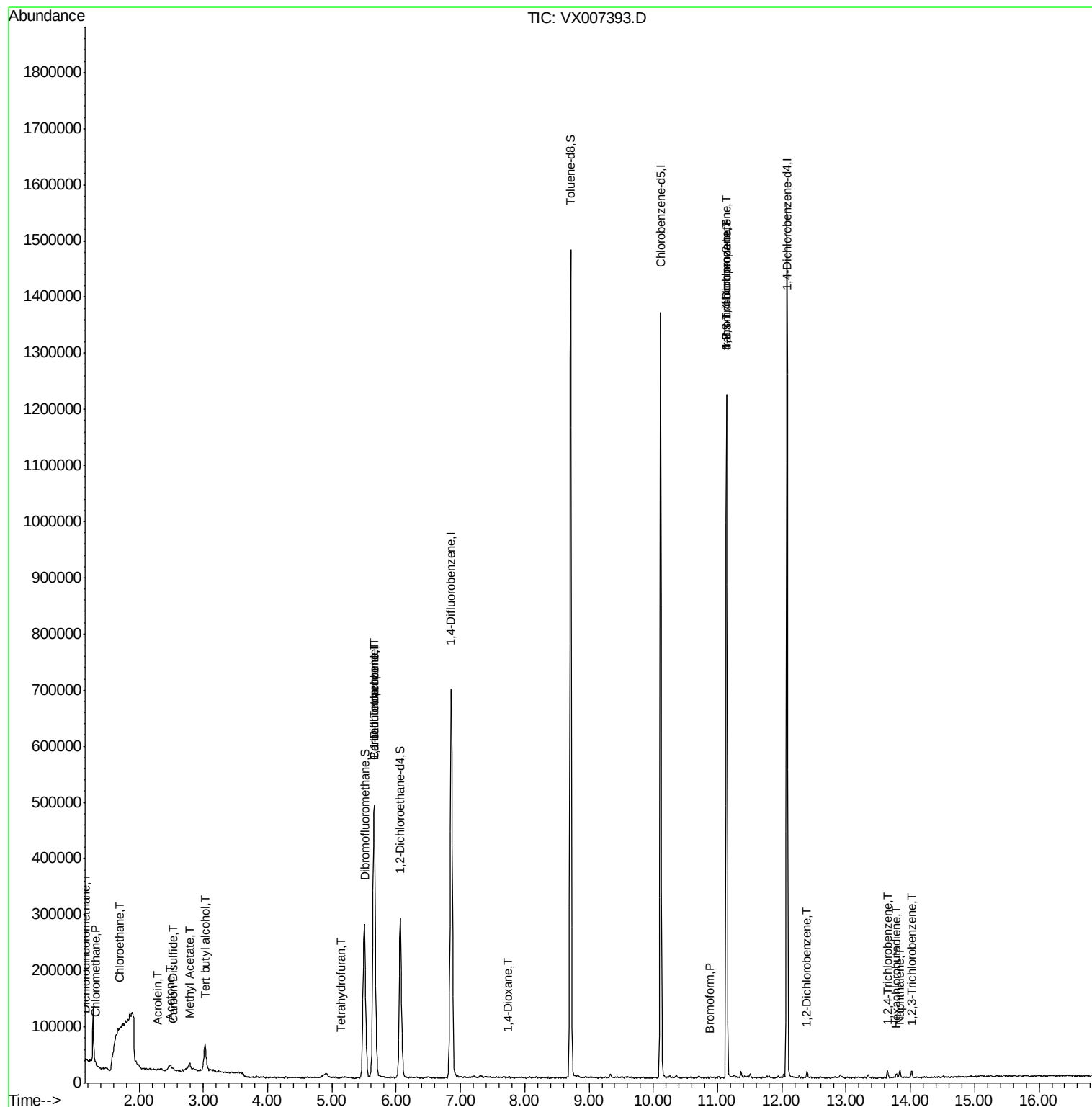
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	504853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	753528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	675831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	332160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	262792	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	5.50	113	232288	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	8.71	98	878975	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.14	95	304744	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	342	0.232	ug/l #	43
3) Chloromethane	1.32	50	1910	0.336	ug/l	99
6) Chloroethane	1.70	64	1558	0.432	ug/l #	43
11) Tert butyl alcohol	3.03	59	35229	31.767	ug/l #	77
13) Acrolein	2.28	56	386	0.742	ug/l	83
16) Acetone	2.49	43	10947	4.460	ug/l	99
17) Carbon Disulfide	2.54	76	2257	2.293	ug/l #	93
18) Methyl Acetate	2.79	43	9452	2.054	ug/l #	67
20) Methylene Chloride	2.85	84	1777	Below Cal	#	77
29) Tetrahydrofuran	5.15	42	559	0.254	ug/l #	47
36) 1,1-Dichloropropene	5.66	75	30451	4.504	ug/l #	50
38) Carbon Tetrachloride	5.65	117	44702	6.815	ug/l #	16
49) 1,4-Dioxane	7.74	88	145	8.079	ug/l #	4
71) Bromoform	10.87	173	217	4.075	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	142506	22.057	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	142506	66.638	ug/l #	9
91) 1,2-Dichlorobenzene	12.40	146	2494	0.220	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	3442	0.449	ug/l	96
94) Hexachlorobutadiene	13.78	225	1106	0.297	ug/l	83
95) Naphthalene	13.83	128	8414	0.376	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.02	180	3425	0.444	ug/l	89

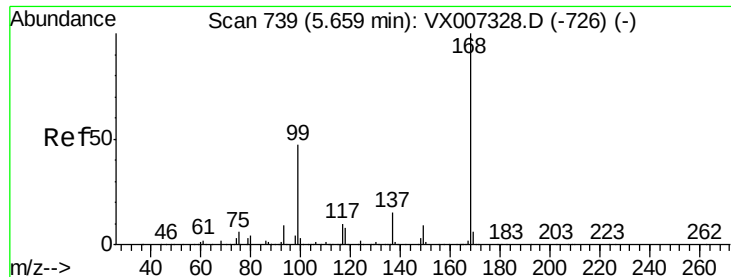
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

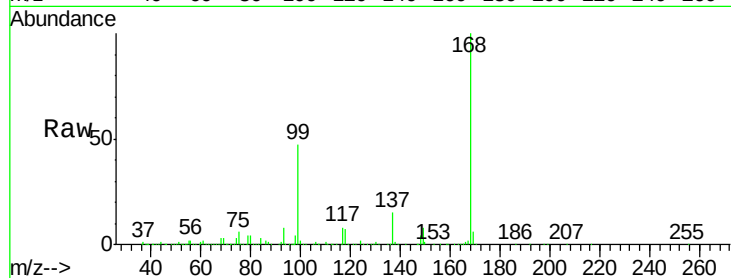
FB-02-05-19

Tot Ion:168 Resp: 504853

Ion Ratio Lower Upper

168 100

99 46.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

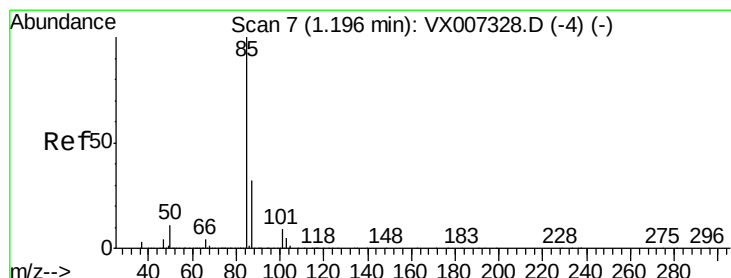
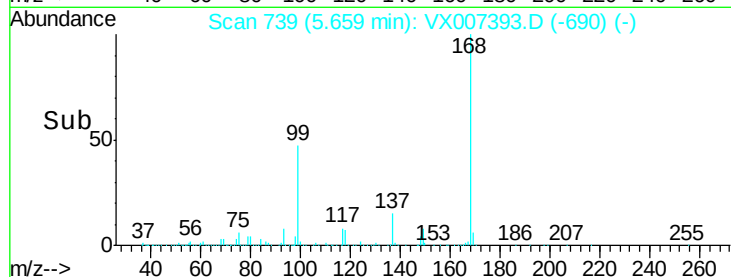
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.232 ug/l

RT: 1.18 min Scan# 4

Delta R.T. -0.02 min

Lab File: VX007393.D

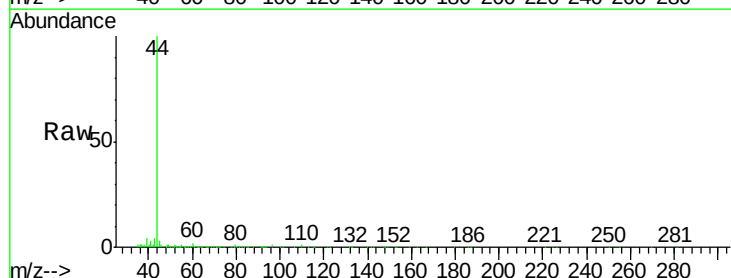
Acq: 06 Feb 2019 12:25

Tgt Ion: 85 Resp: 342

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

200

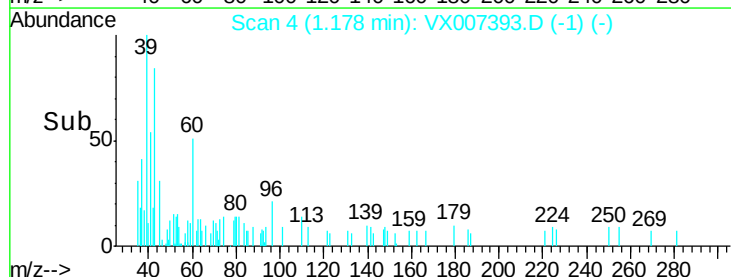
150

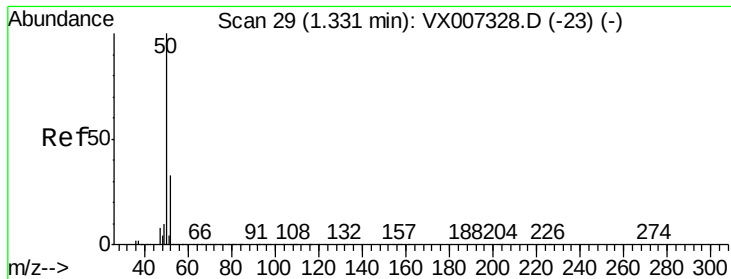
100

50

0

Time-->





#3

Chloromethane

Concen: 0.336 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

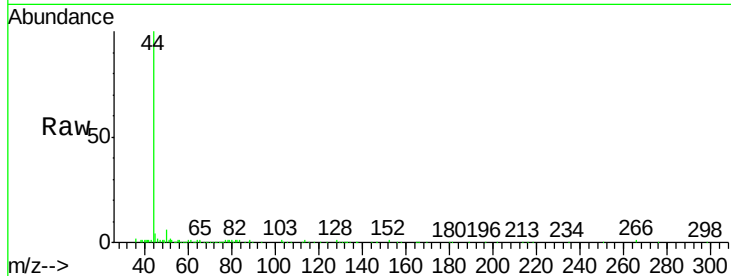
FB-02-05-19

Tot Ion: 50 Resp: 1910

Ion Ratio Lower Upper

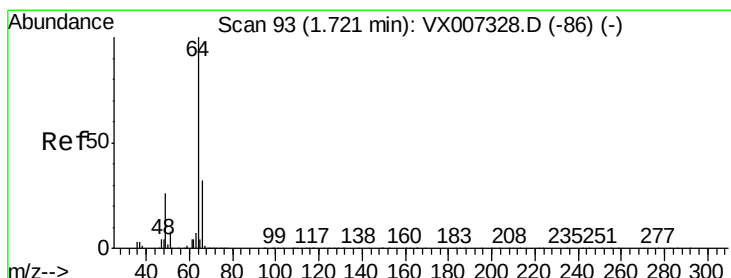
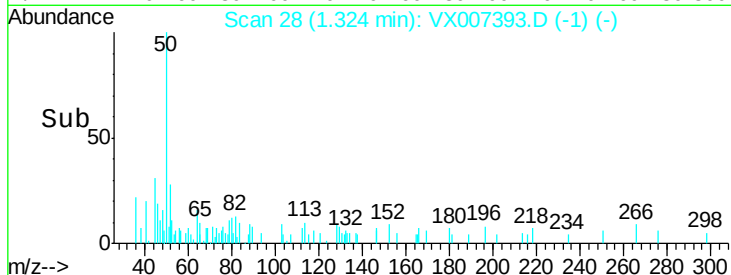
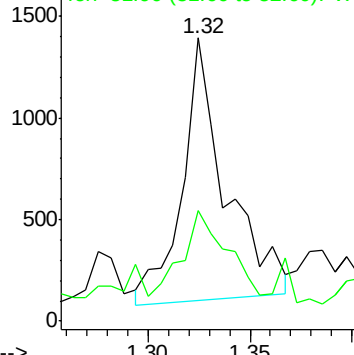
50 100

52 33.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#6

Chloroethane

Concen: 0.432 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX007393.D

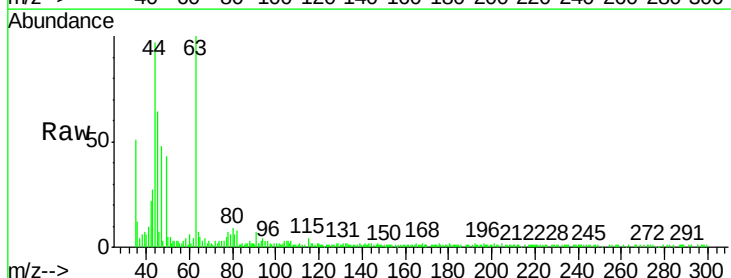
Acq: 06 Feb 2019 12:25

Tgt Ion: 64 Resp: 1558

Ion Ratio Lower Upper

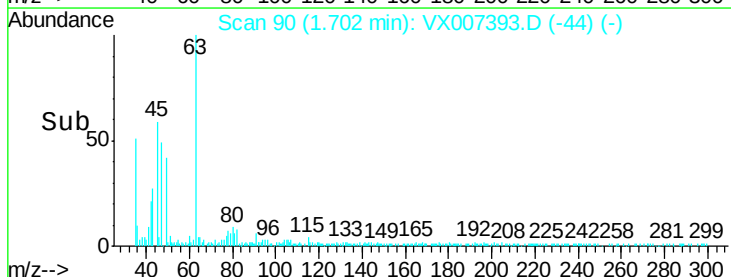
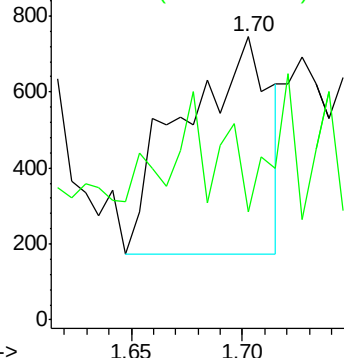
64 100

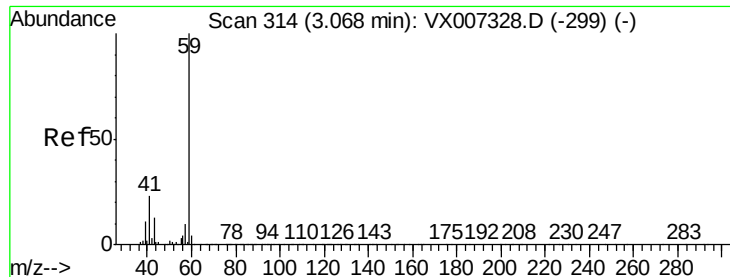
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



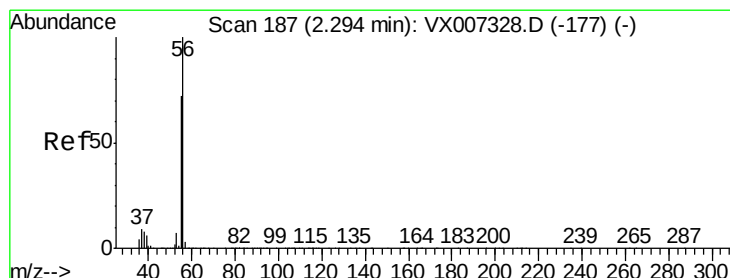
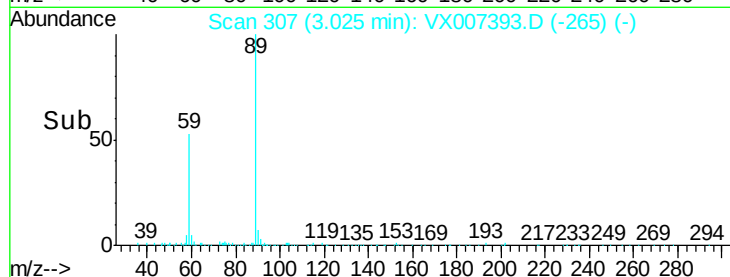
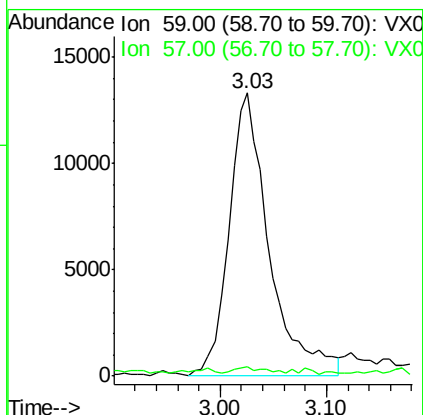
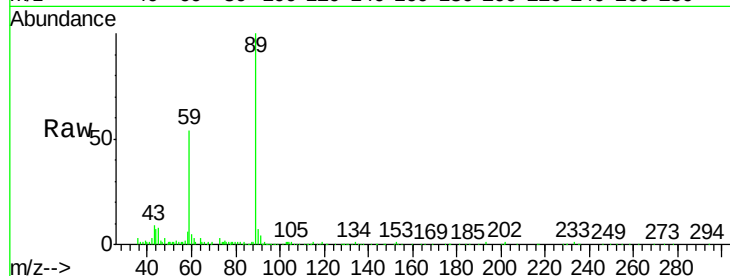


#11

Tert butyl alcohol
Concen: 31.767 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.04 min
Lab File: VX007393.D
Acq: 06 Feb 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
FB-02-05-19

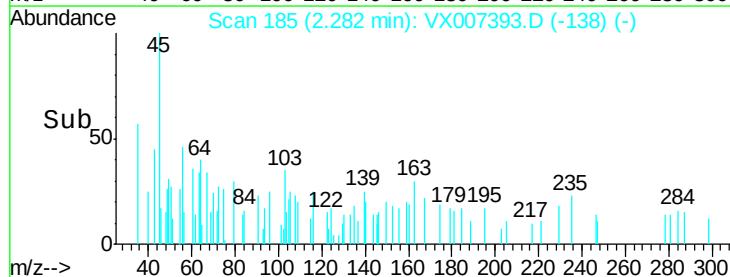
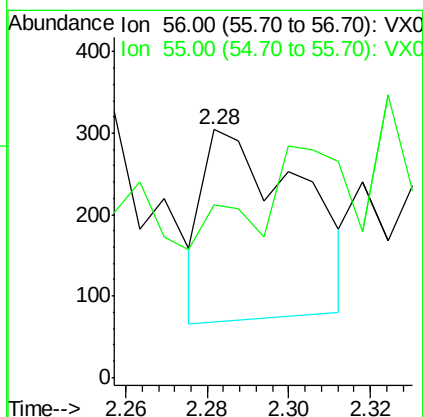
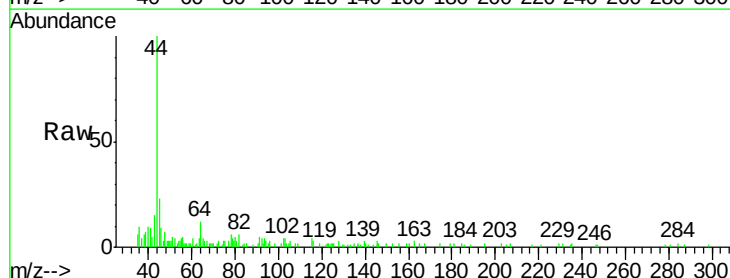
Tot Ion: 59 Resp: 35229
Ion Ratio Lower Upper
59 100
57 1.5 8.1 12.1#

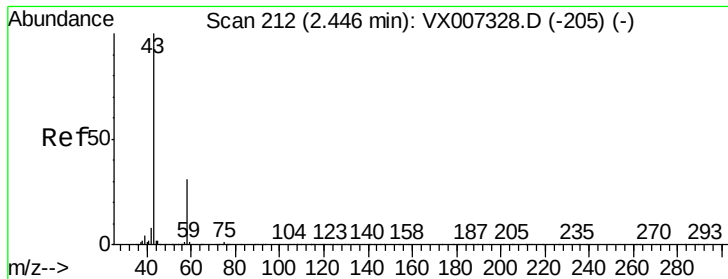


#13

Acrolein
Concen: 0.742 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX007393.D
Acq: 06 Feb 2019 12:25

Tgt Ion: 56 Resp: 386
Ion Ratio Lower Upper
56 100
55 57.0 56.9 85.3





#16

Acetone

Concen: 4.460 ug/l

RT: 2.49 min Scan# 219

Delta R.T. 0.04 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

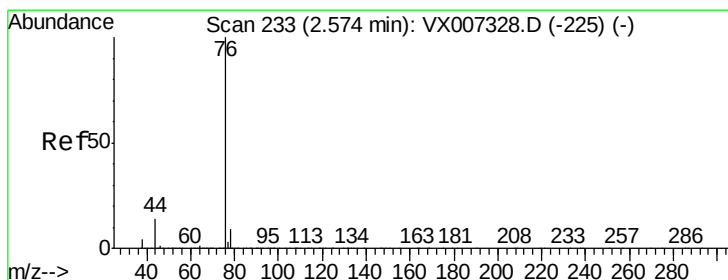
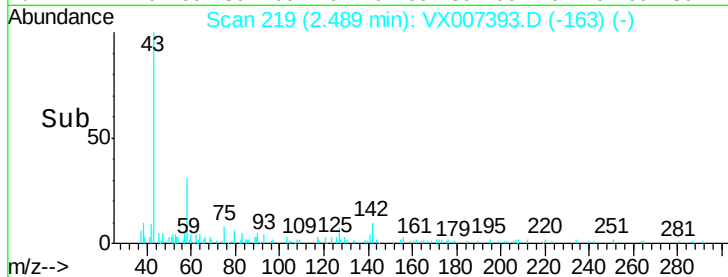
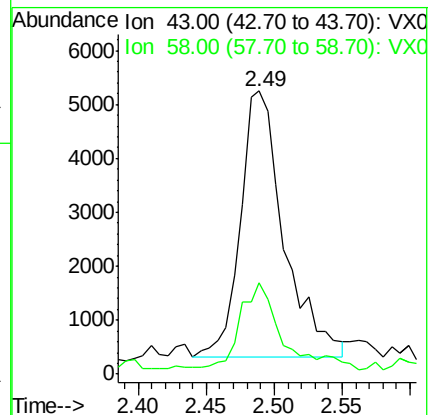
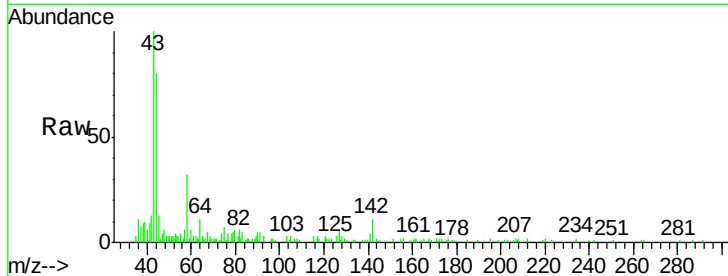
FB-02-05-19

Tot Ion: 43 Resp: 10947

Ion Ratio Lower Upper

43 100

58 31.7 24.9 37.3



#17

Carbon Disulfide

Concen: 2.293 ug/l

RT: 2.54 min Scan# 227

Delta R.T. -0.04 min

Lab File: VX007393.D

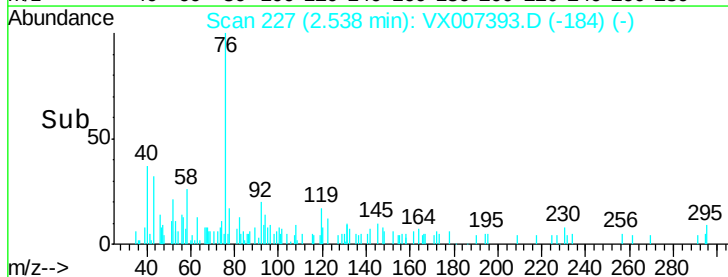
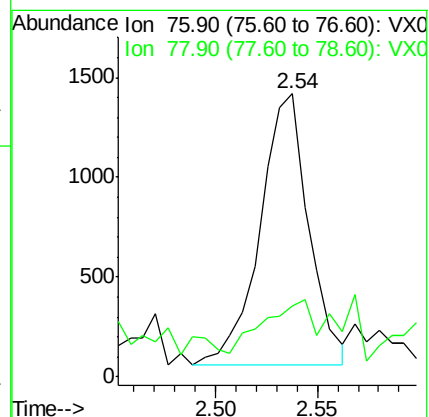
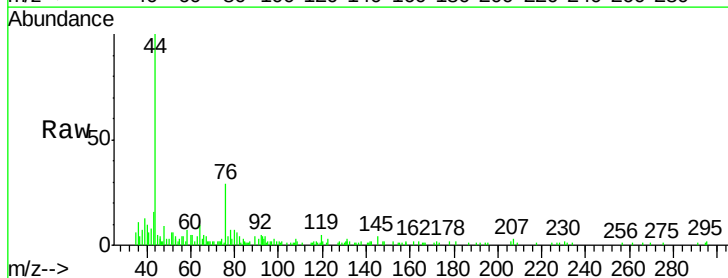
Acq: 06 Feb 2019 12:25

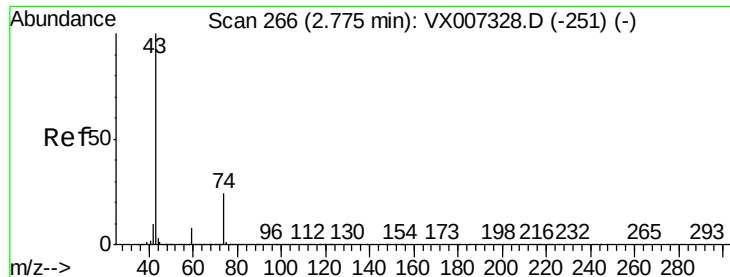
Tgt Ion: 76 Resp: 2257

Ion Ratio Lower Upper

76 100

78 11.3 7.1 10.7#





#18

Methyl Acetate

Concen: 2.054 ug/l

RT: 2.79 min Scan# 269

Delta R.T. 0.02 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

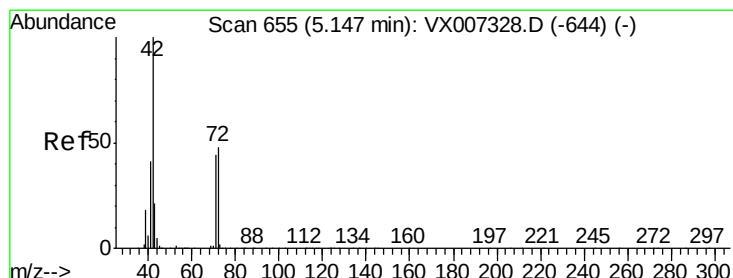
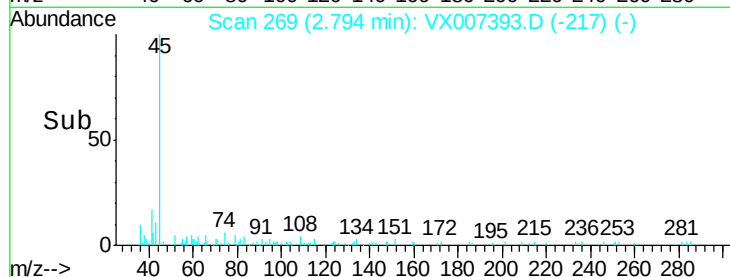
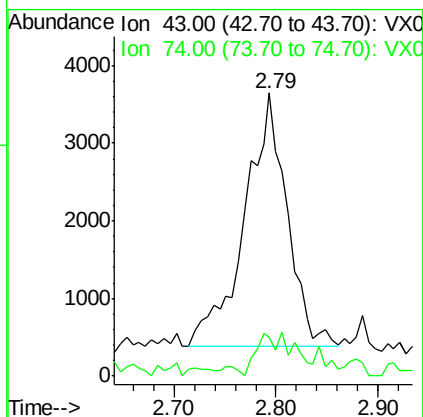
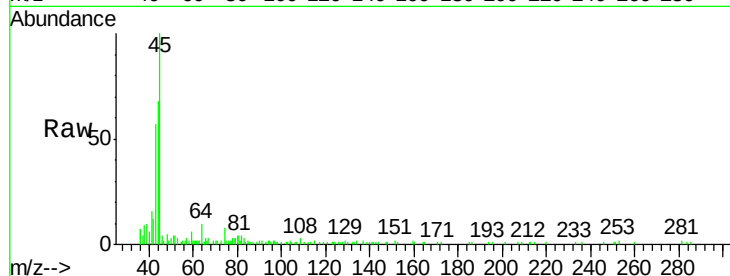
FB-02-05-19

Tot Ion: 43 Resp: 9452

Ion Ratio Lower Upper

43 100

74 7.7 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

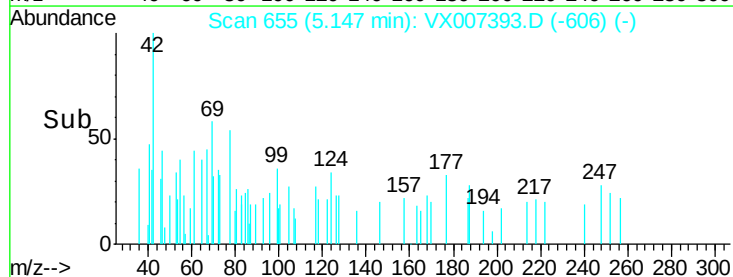
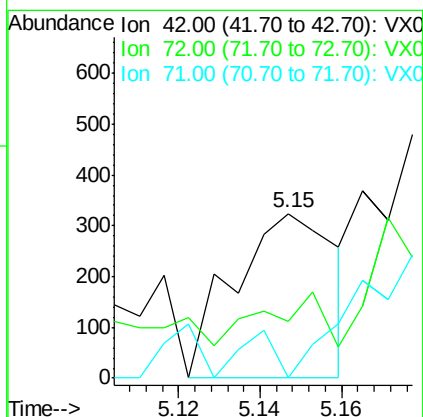
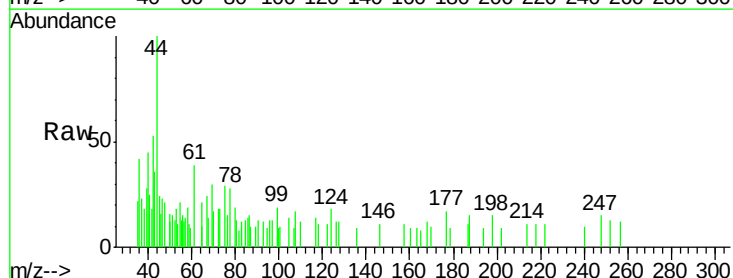
Tgt Ion: 42 Resp: 559

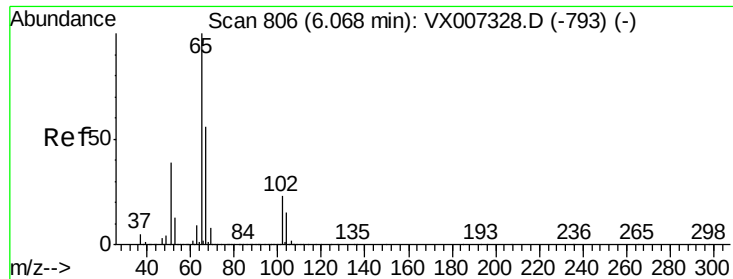
Ion Ratio Lower Upper

42 100

72 11.4 37.6 56.4#

71 9.8 34.6 51.8#

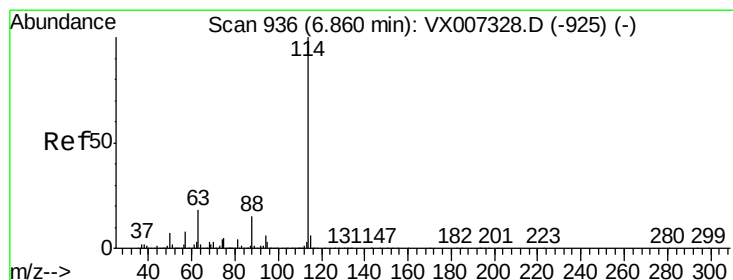
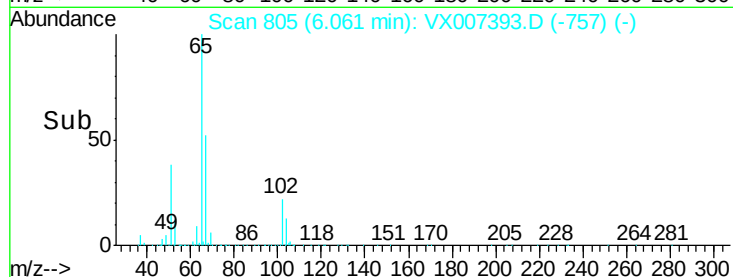
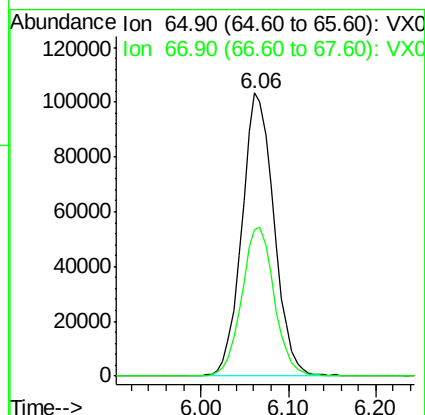
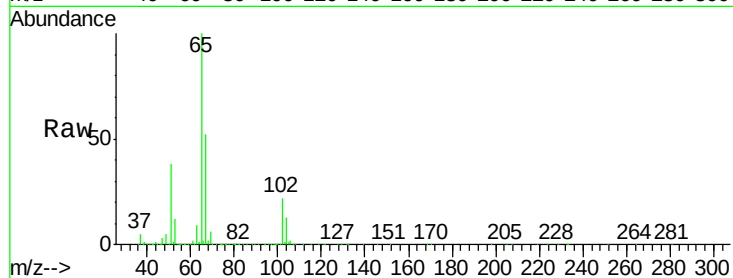




#33
 1,2-Dichloroethane-d4
 Concen: 49.041 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007393.D
 Acq: 06 Feb 2019 12:25

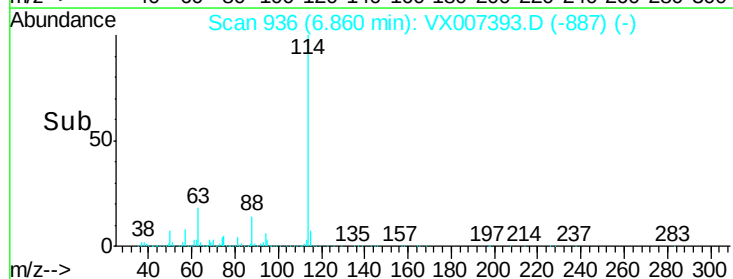
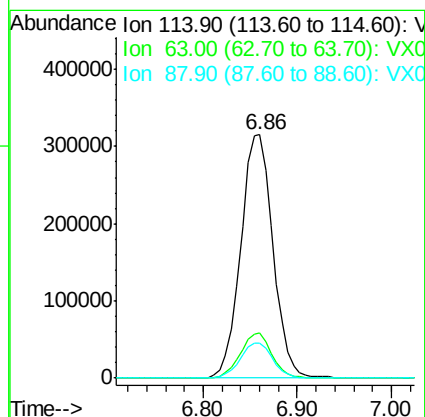
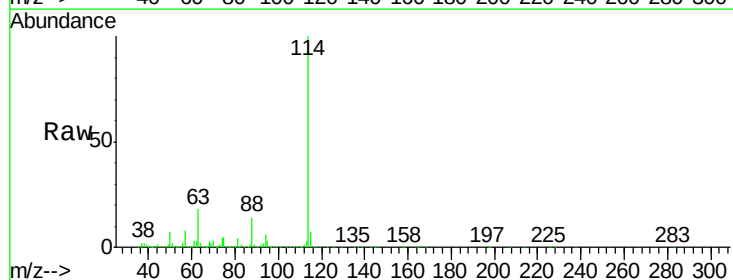
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-02-05-19

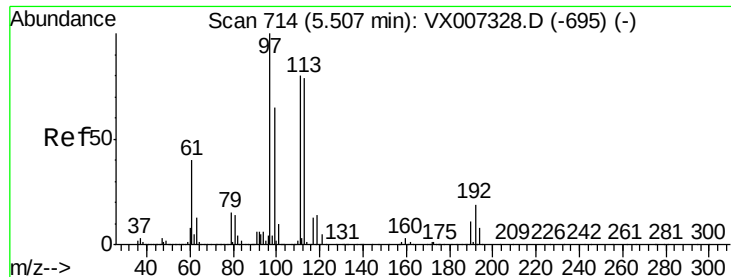
Tot Ion: 65 Resp: 262792
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007393.D
 Acq: 06 Feb 2019 12:25

Tgt Ion: 114 Resp: 753528
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 14.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.377 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

FB-02-05-19

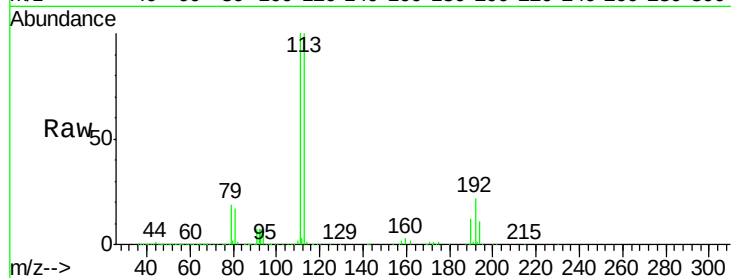
Tot Ion:113 Resp: 232288

Ion Ratio Lower Upper

113 100

111 100.5 81.8 122.8

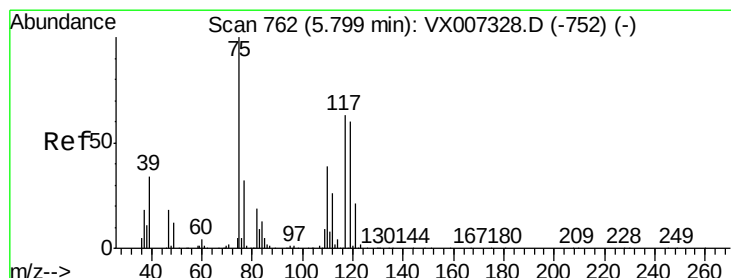
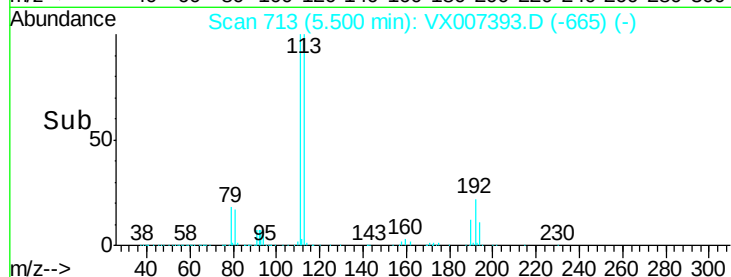
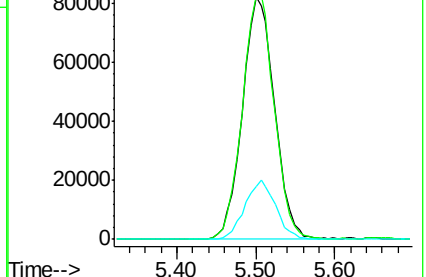
192 23.5 18.5 27.7



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: 4.504 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

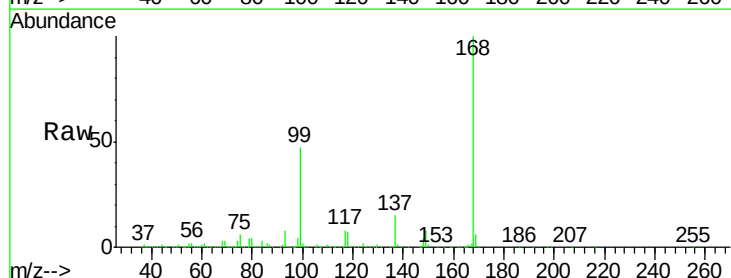
Tgt Ion: 75 Resp: 30451

Ion Ratio Lower Upper

75 100

110 11.0 20.0 59.9#

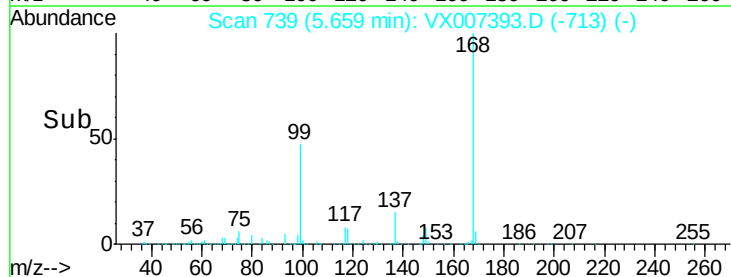
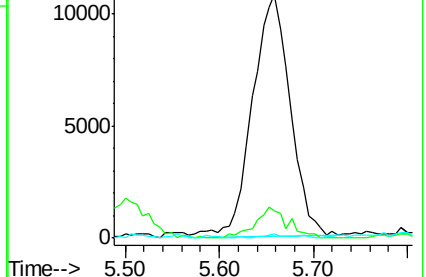
77 0.9 24.7 37.1#

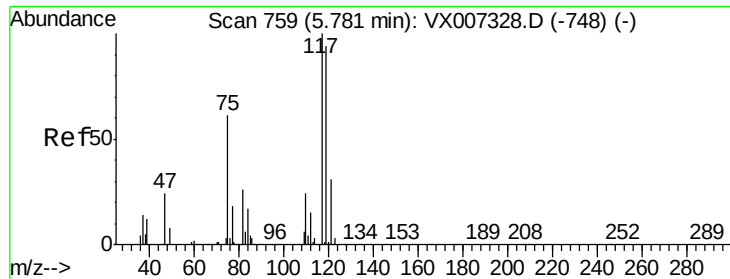


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.815 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

FB-02-05-19

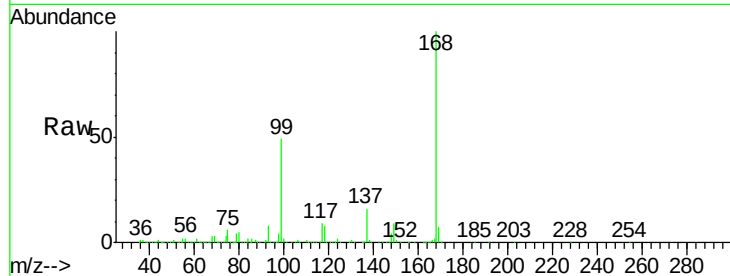
Tot Ion:117 Resp: 44702

Ion Ratio Lower Upper

117 100

119 4.2 75.3 112.9#

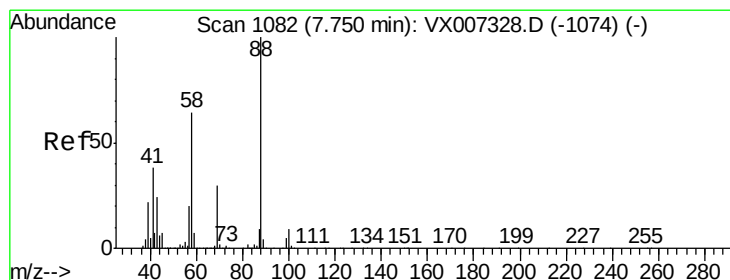
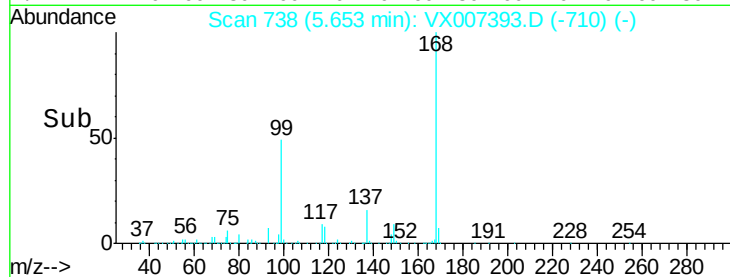
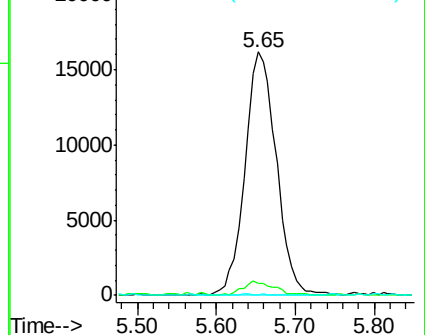
121 0.4 25.0 37.4#



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: 8.079 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

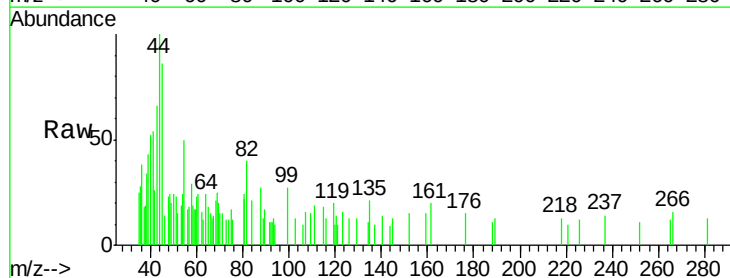
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

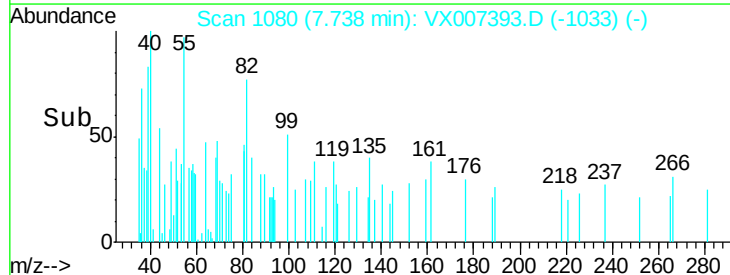
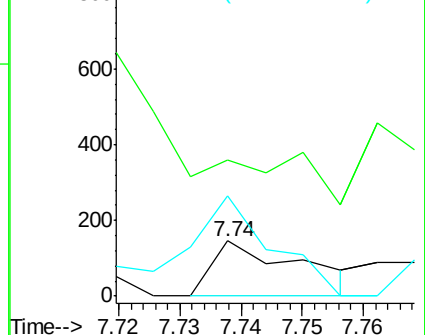
58 157.9 53.0 79.4#

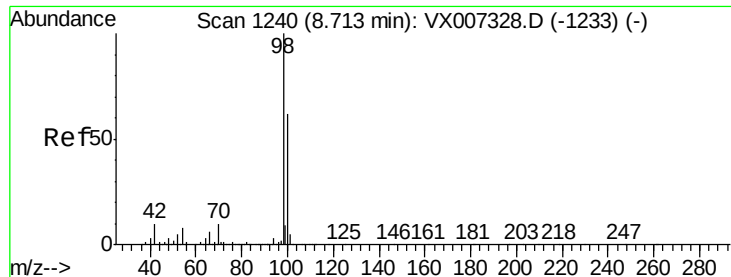


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.320 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

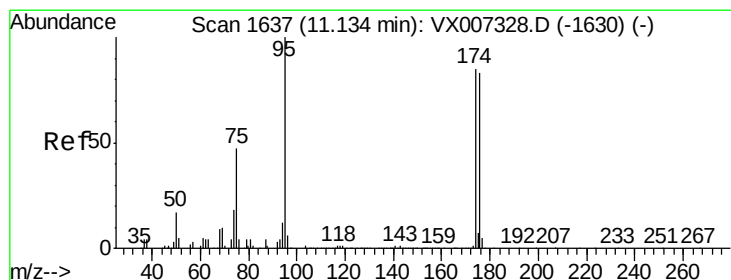
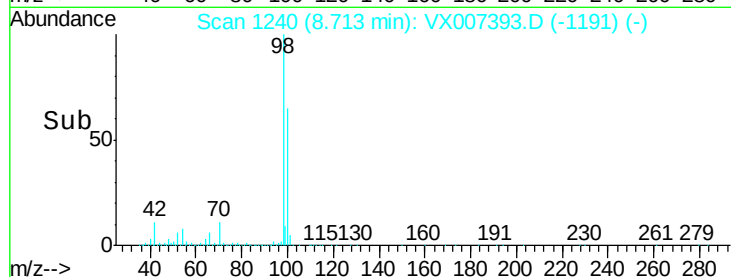
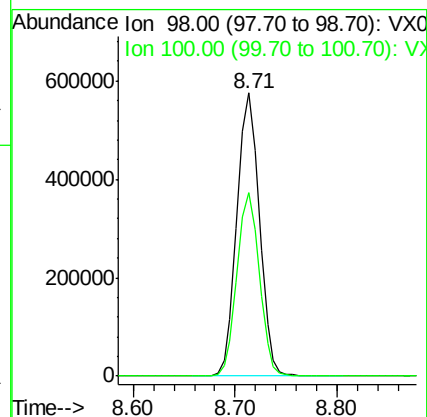
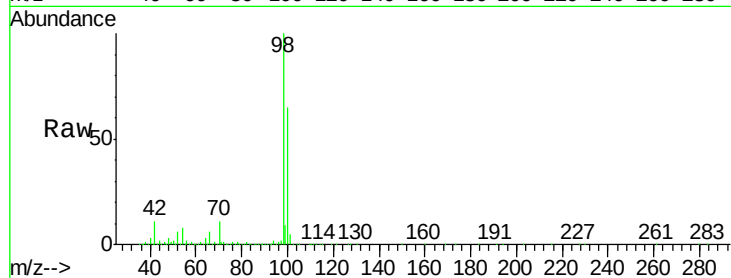
FB-02-05-19

Tot Ion: 98 Resp: 878975

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 45.885 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

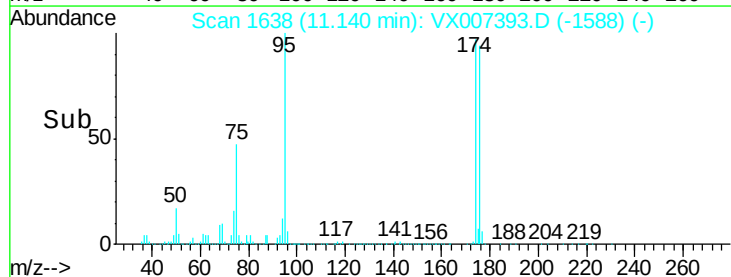
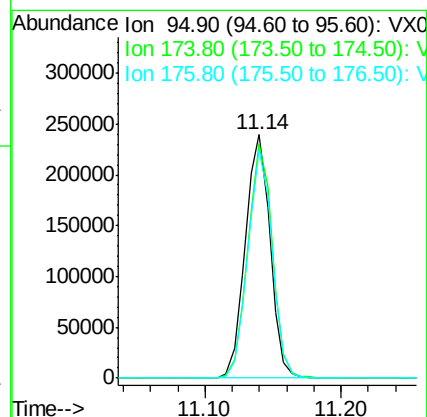
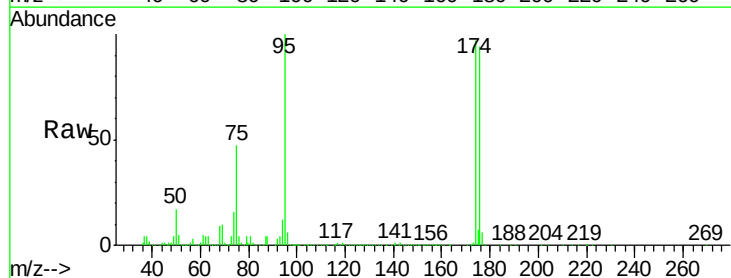
Tgt Ion: 95 Resp: 304744

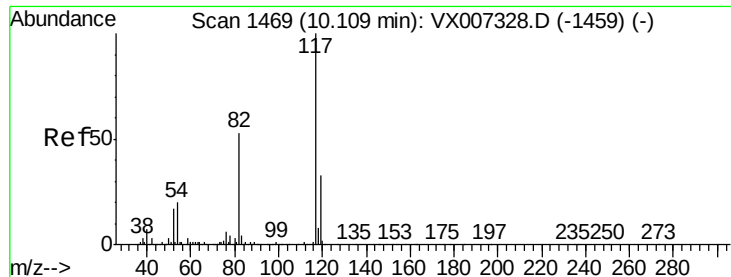
Ion Ratio Lower Upper

95 100

174 95.6 0.0 189.2

176 92.4 0.0 186.2

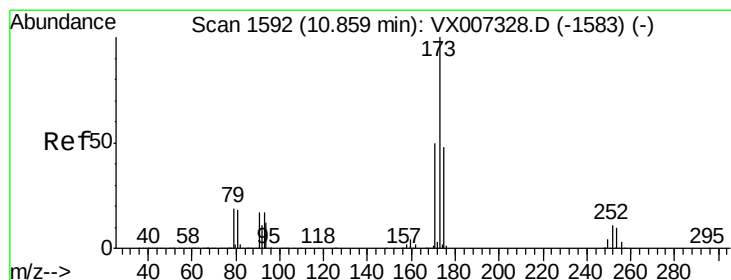
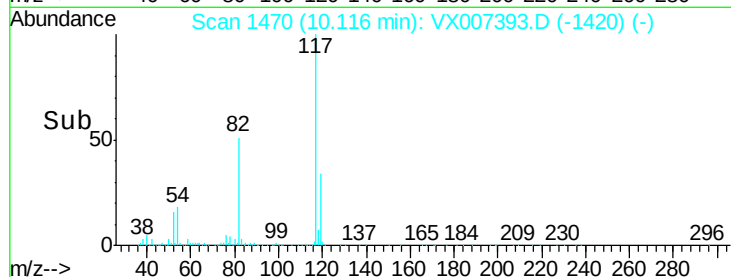
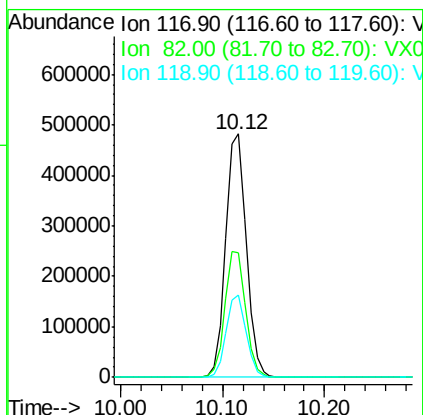
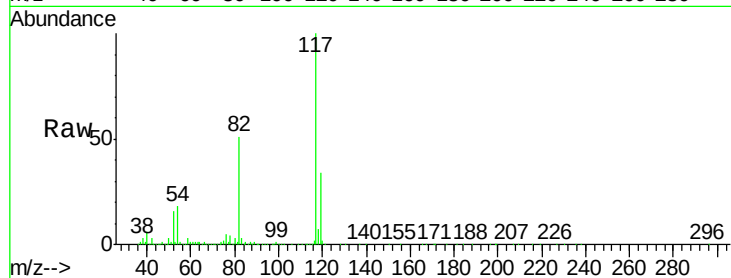




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007393.D
Acq: 06 Feb 2019 12:25

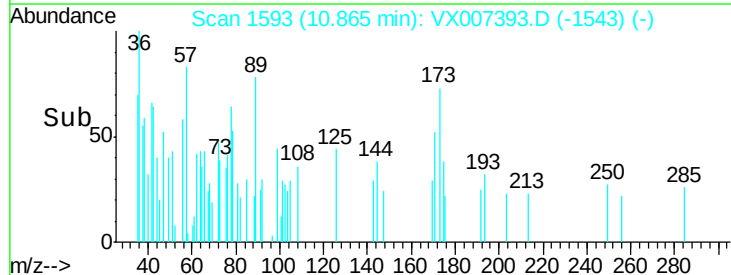
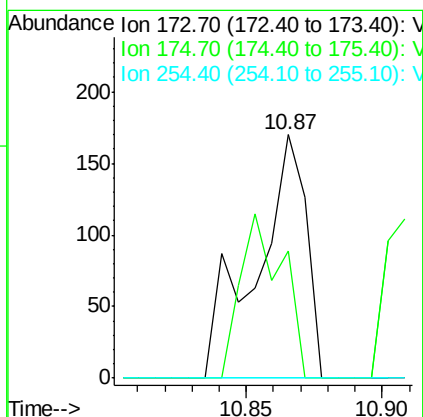
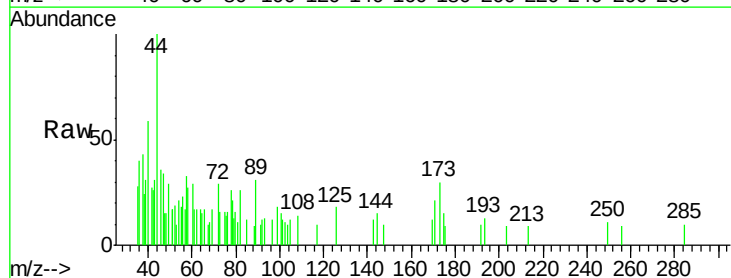
Instrument :
MSVOA_X
ClientSampled :
FB-02-05-19

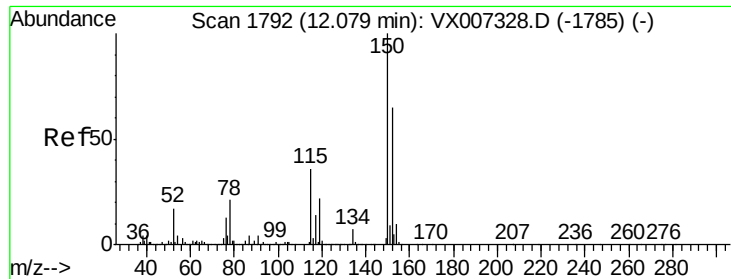
Tot Ion:117 Resp: 675831
Ion Ratio Lower Upper
117 100
82 51.0 42.1 63.1
119 33.7 26.5 39.7



#71
Bromoform
Concen: 4.075 ug/l
RT: 10.87 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VX007393.D
Acq: 06 Feb 2019 12:25

Tgt Ion:173 Resp: 217
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

FB-02-05-19

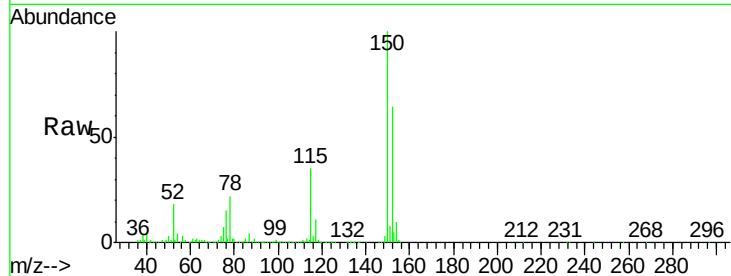
Tot Ion:152 Resp: 332160

Ion Ratio Lower Upper

152 100

115 54.0 38.0 114.0

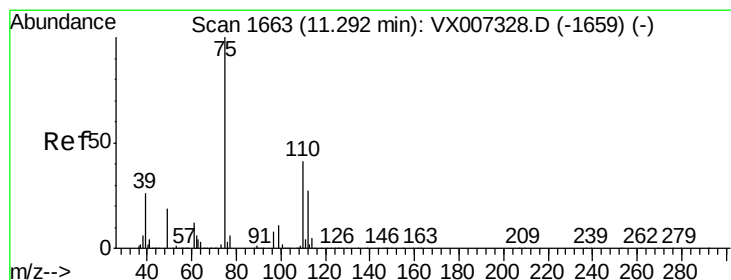
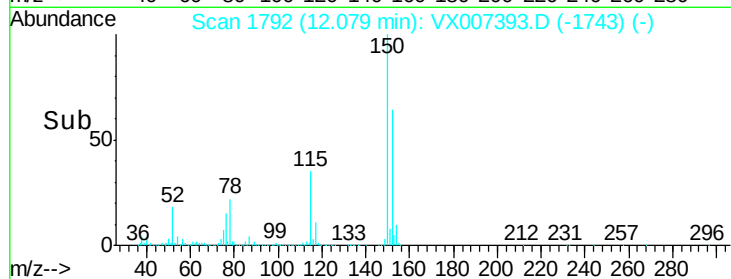
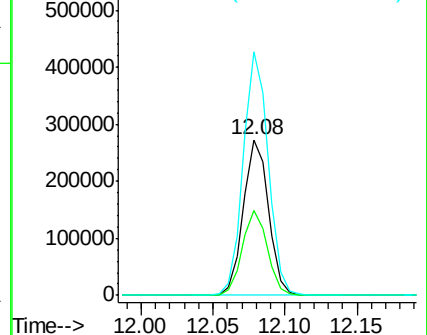
150 155.1 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 22.057 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX007393.D

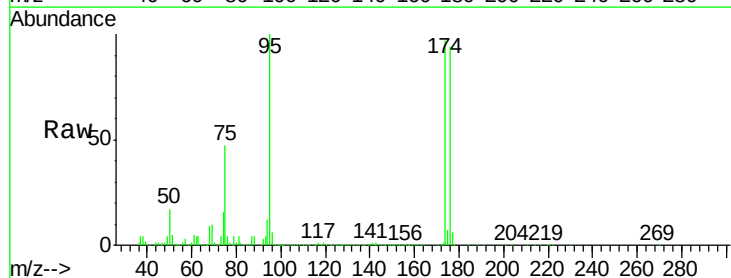
Acq: 06 Feb 2019 12:25

Tgt Ion: 75 Resp: 142506

Ion Ratio Lower Upper

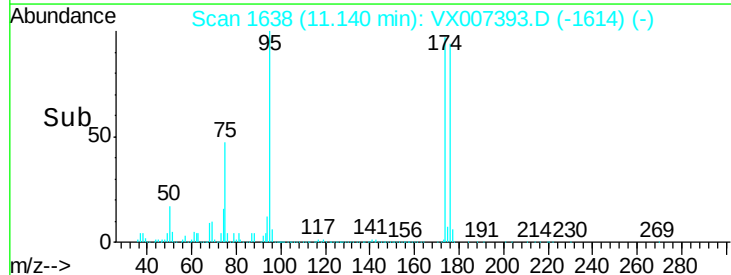
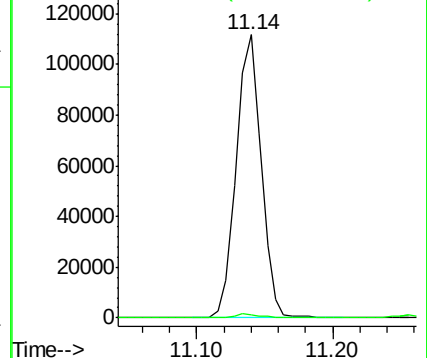
75 100

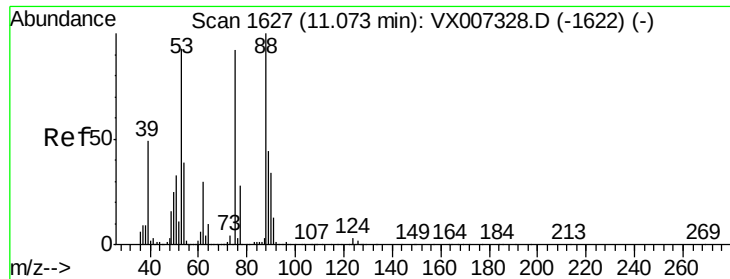
77 1.5 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

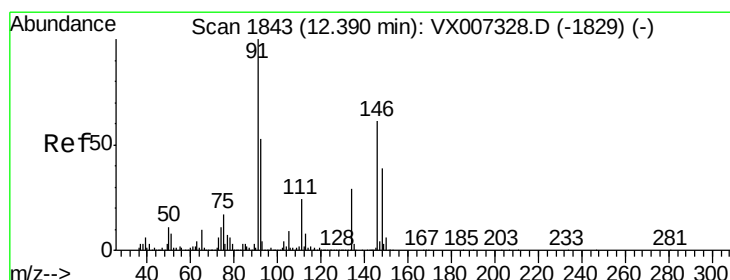
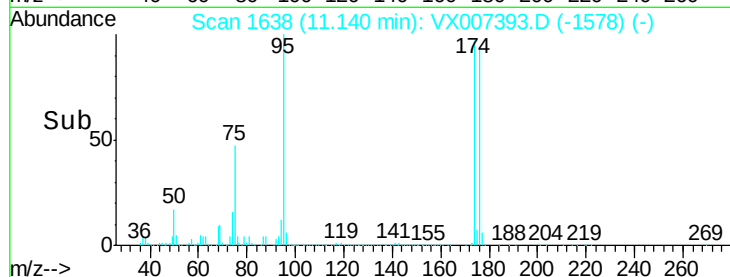
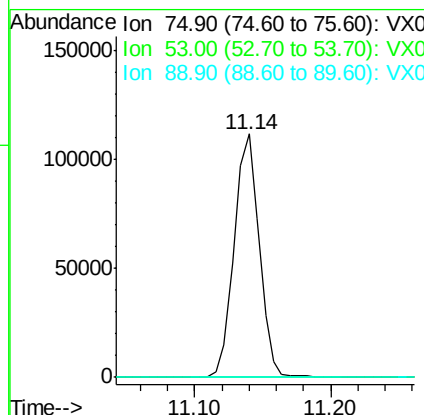
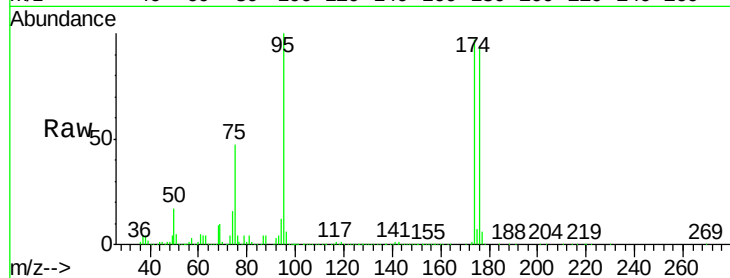




#81
trans-1,4-Dichloro-2-butene
Concen: 66.638 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX007393.D
Acq: 06 Feb 2019 12:25

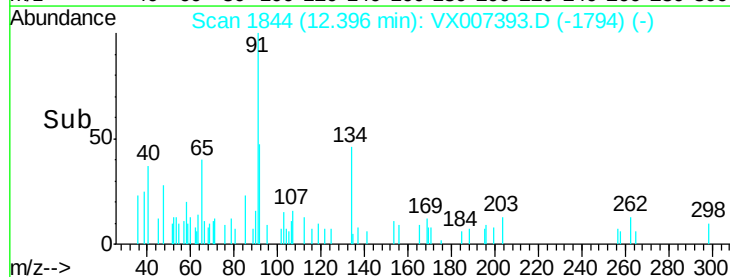
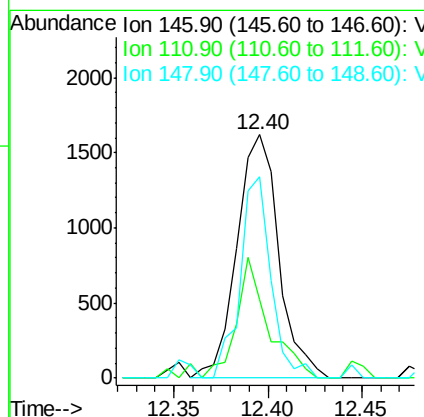
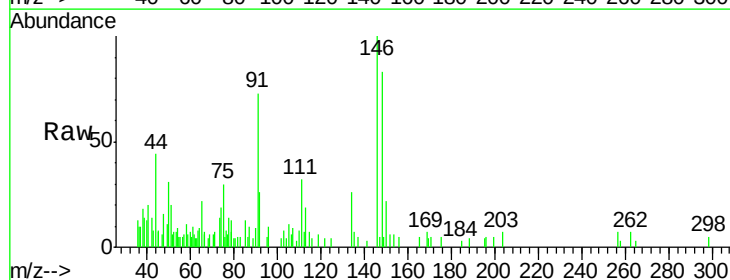
Instrument :
MSVOA_X
ClientSampled :
FB-02-05-19

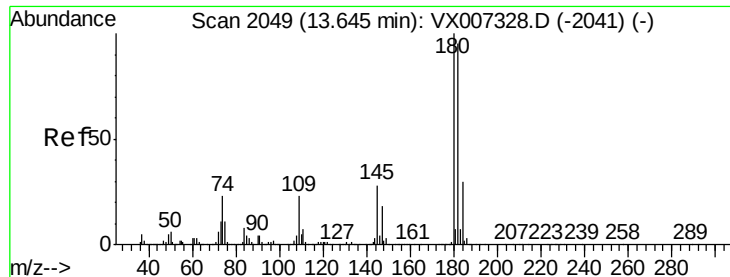
Tot Ion: 75 Resp: 142506
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.6#
89 0.0 41.4 62.0#



#91
1,2-Dichlorobenzene
Concen: 0.220 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX007393.D
Acq: 06 Feb 2019 12:25

Tgt Ion: 146 Resp: 2494
Ion Ratio Lower Upper
146 100
111 40.4 19.1 57.3
148 61.2 32.1 96.3





#93

1,2,4-Trichlorobenzene

Concen: 0.449 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

FB-02-05-19

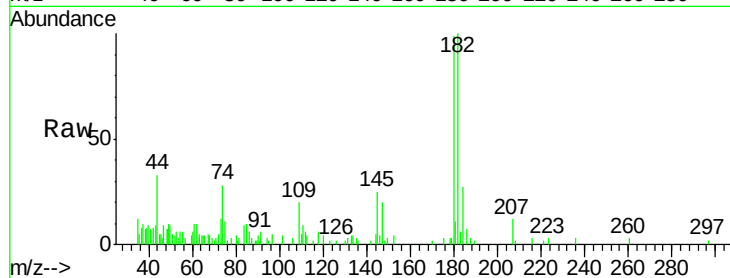
Tot Ion:180 Resp: 3442

Ion Ratio Lower Upper

180 100

182 94.4 47.8 143.3

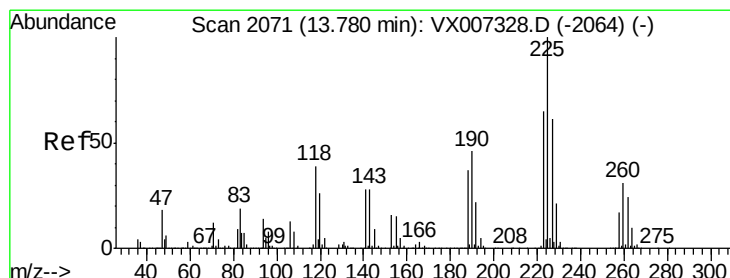
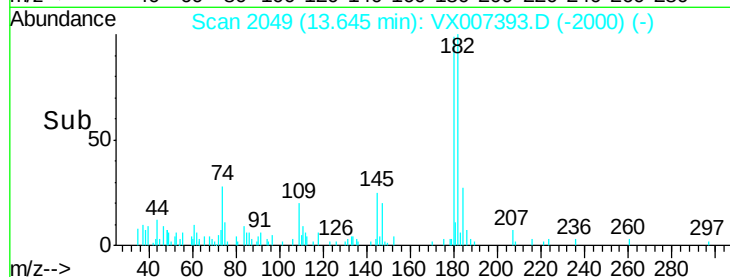
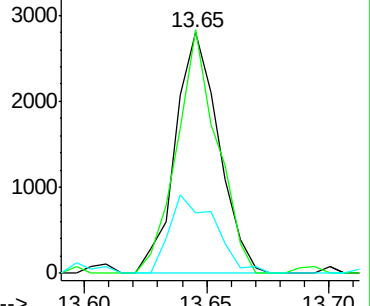
145 34.4 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.297 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

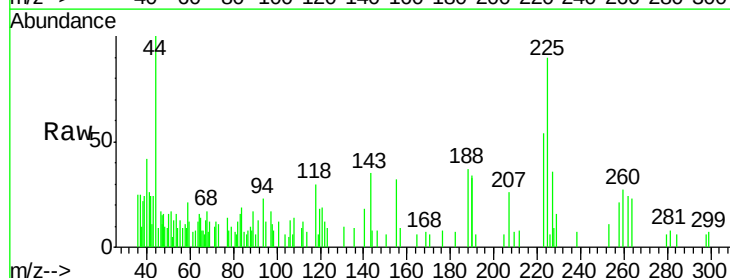
Tgt Ion:225 Resp: 1106

Ion Ratio Lower Upper

225 100

223 59.2 31.6 94.8

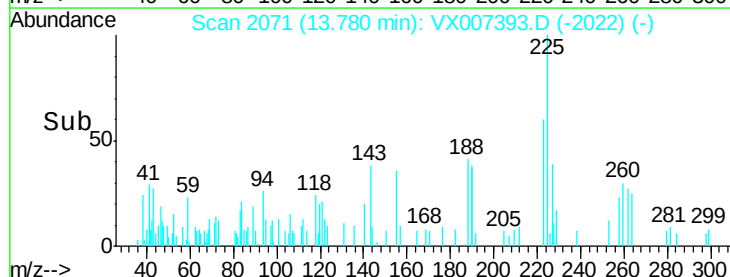
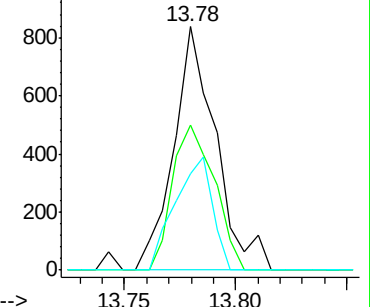
227 41.0 32.1 96.3

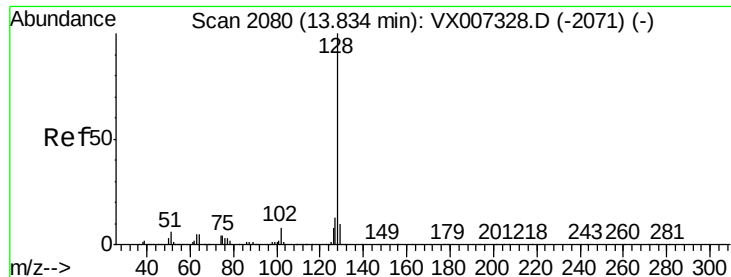


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.376 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

FB-02-05-19

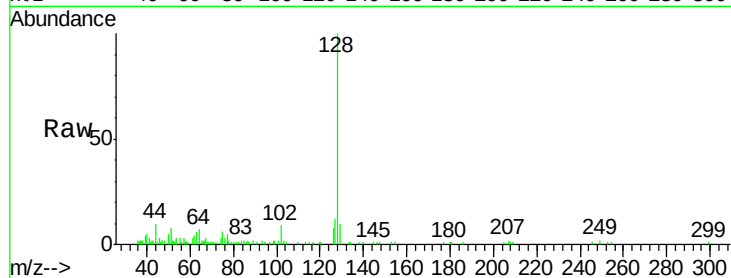
Tot Ion:128 Resp: 8414

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

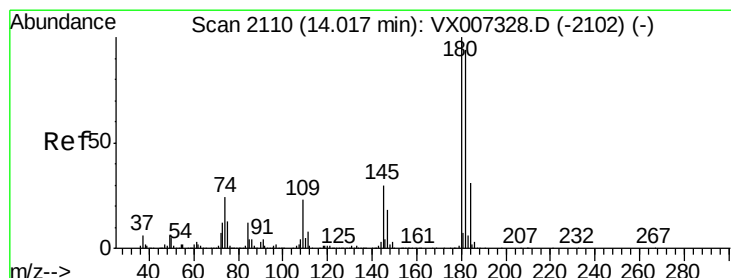
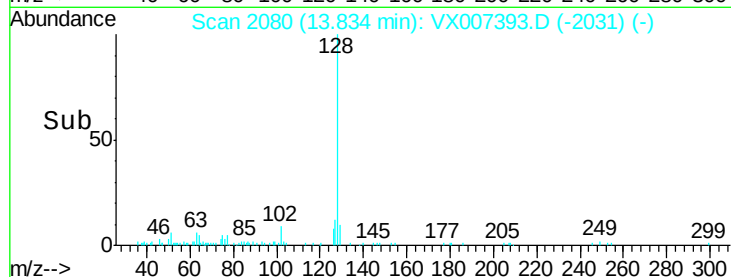
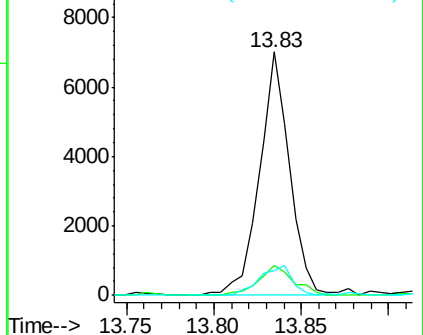
129 13.2 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.444 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007393.D

Acq: 06 Feb 2019 12:25

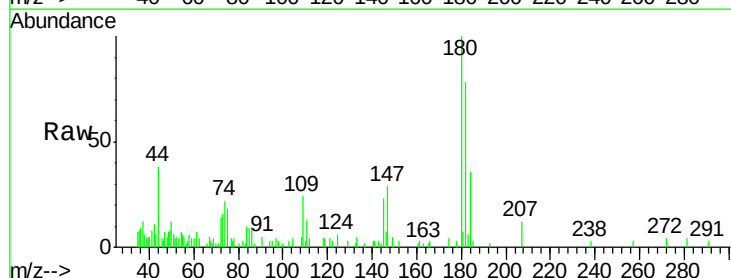
Tgt Ion:180 Resp: 3425

Ion Ratio Lower Upper

180 100

182 82.9 47.5 142.6

145 31.9 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

