

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080719\
 Data File : VX011365.D
 Acq On : 07 Aug 2019 16:07
 Operator : JC/SP
 Sample : K4220-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB_080719

Quant Time: Aug 08 07:05:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122787	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	96586	56.92	ug/l	0.00
Spiked Amount			Recovery	=	113.84%	
35) Dibromofluoromethane	5.49	113	88871	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	8.71	98	332491	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	117695	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

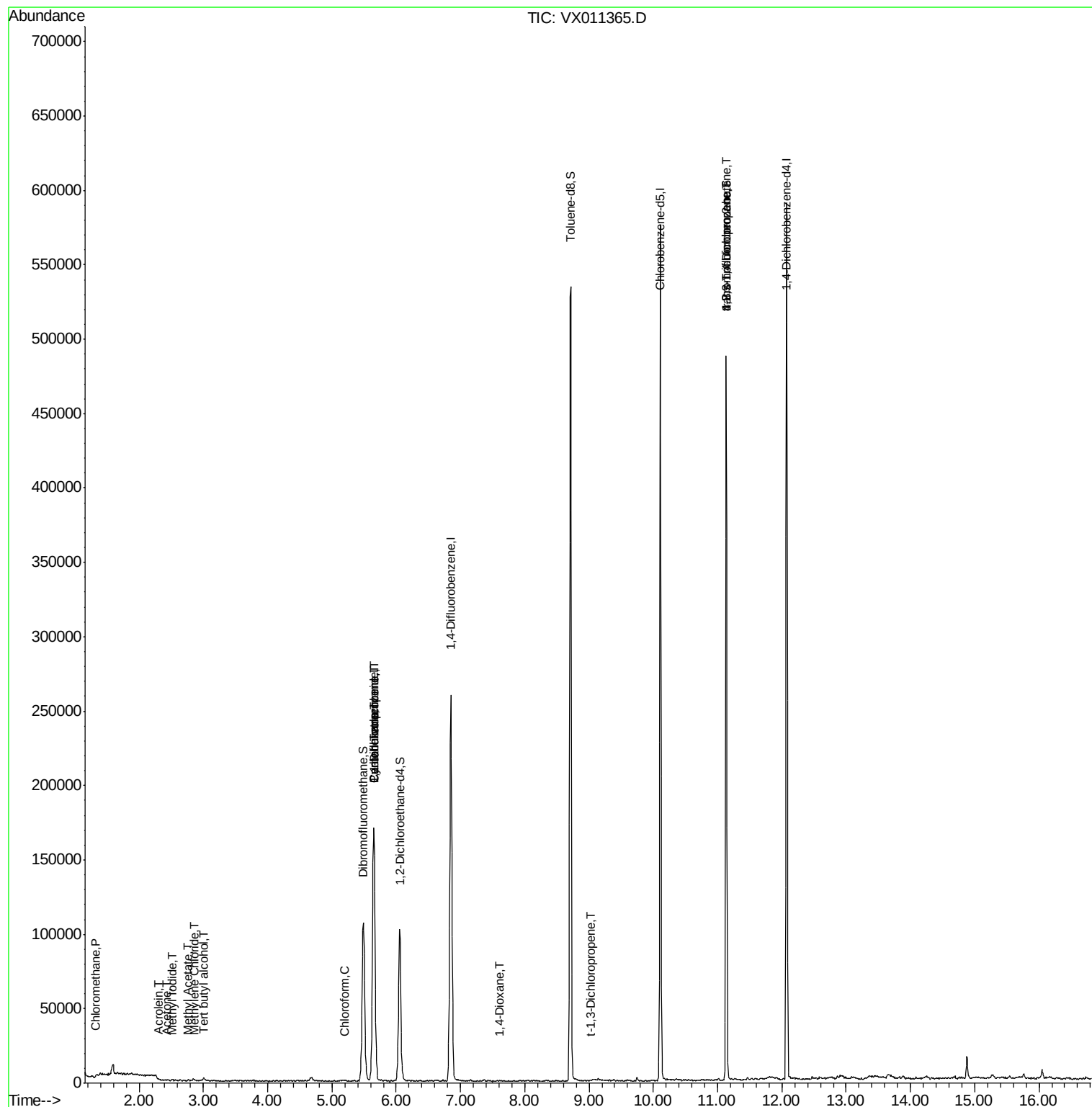
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	379	0.259	ug/l #	46
6) Chloroethane	1.70	64	187	Below Cal	#	51
10) Methyl Iodide	2.51	142	543	0.278	ug/l #	77
11) Tert butyl alcohol	3.01	59	1136	3.380	ug/l #	82
13) Acrolein	2.31	56	139	0.239	ug/l #	58
16) Acetone	2.43	43	464	0.574	ug/l #	40
18) Methyl Acetate	2.77	43	567	0.307	ug/l #	64
20) Methylene Chloride	2.85	84	444	0.251	ug/l #	90
30) Chloroform	5.20	83	582	0.202	ug/l	96
31) Cyclohexane	5.65	56	3323	1.521	ug/l #	22
36) 1,1-Dichloropropene	5.65	75	11472	4.806	ug/l #	50
38) Carbon Tetrachloride	5.65	117	15816	6.586	ug/l #	14
49) 1,4-Dioxane	7.62	88	19	0.364	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	30	2.849	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59236	26.491	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	59236	68.860	ug/l #	10

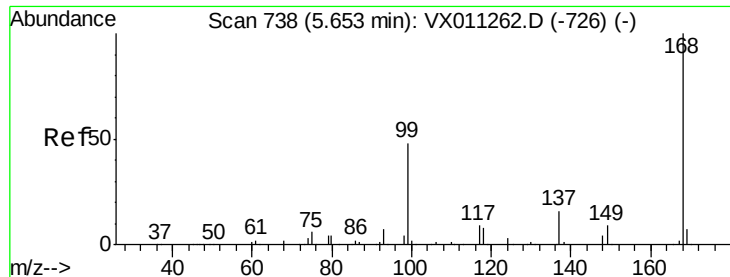
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 07:05:07 2019
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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

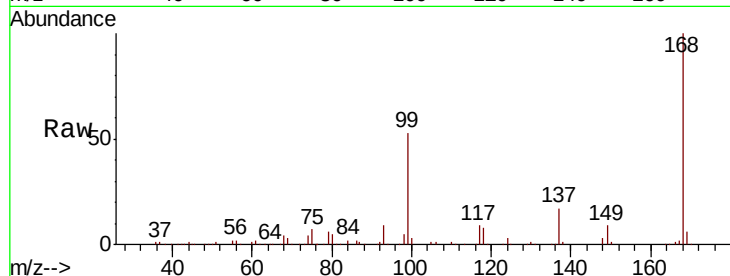
TB_080719

Tgt Ion:168 Resp: 168498

Ion Ratio Lower Upper

168 100

99 53.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011262.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX011262.D (-726) (-)

5.65

60000

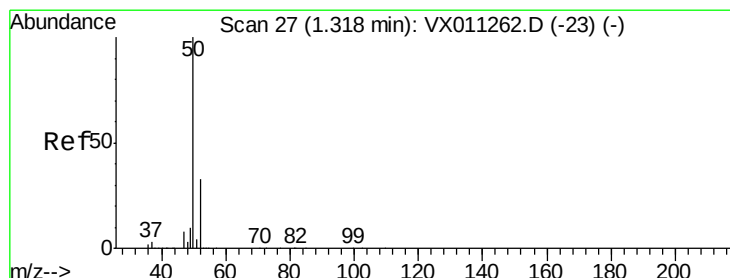
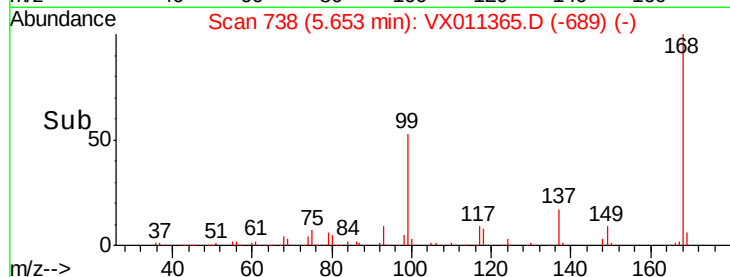
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011365.D

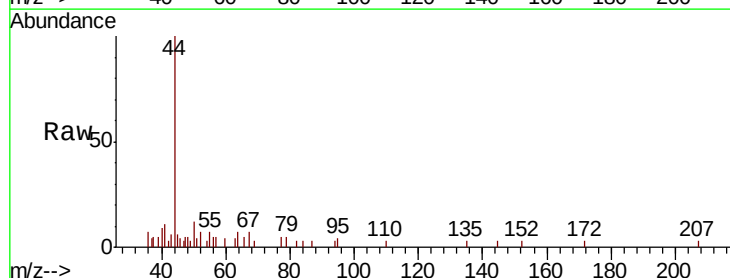
Acq: 07 Aug 2019 16:07

Tgt Ion: 50 Resp: 379

Ion Ratio Lower Upper

50 100

52 63.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX011262.D (-23) (-)

Ion 51.90 (51.60 to 52.60): VX011262.D (-23) (-)

1.32

250

200

150

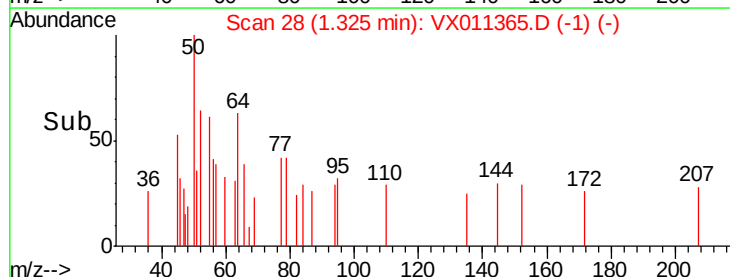
100

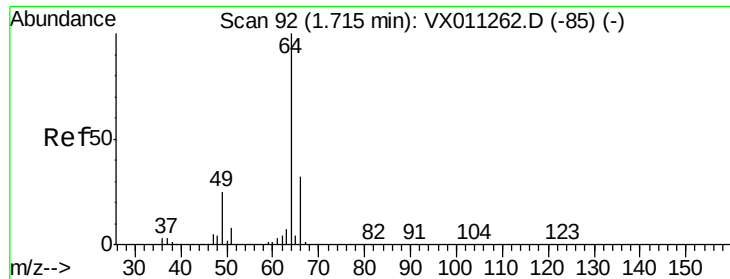
50

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

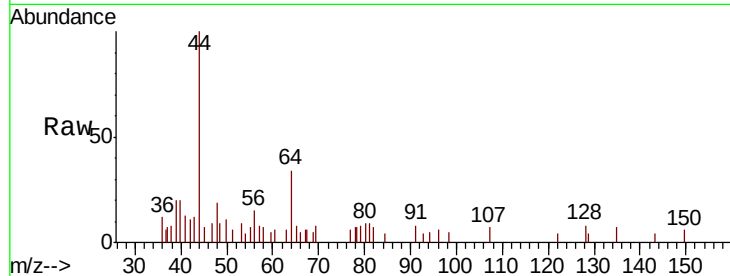
TB_080719

Tgt Ion: 64 Resp: 187

Ion Ratio Lower Upper

64 100

66 4.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

400

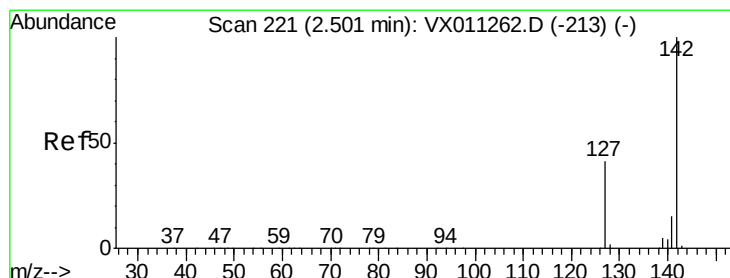
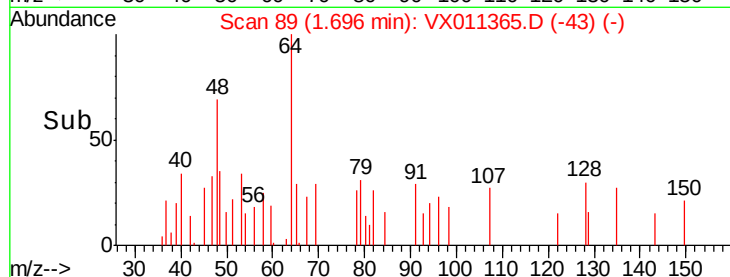
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 0.278 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

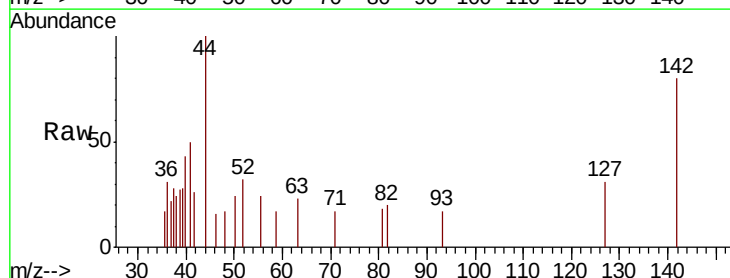
Tgt Ion: 142 Resp: 543

Ion Ratio Lower Upper

142 100

127 30.6 33.8 50.8#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

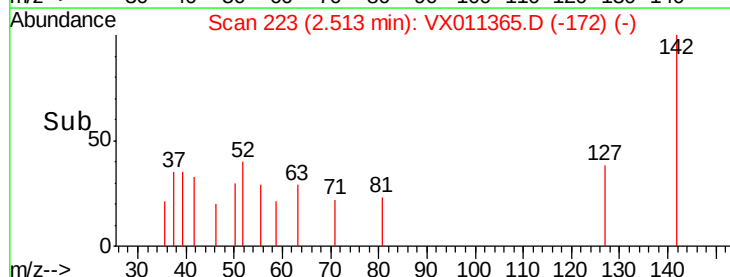
300

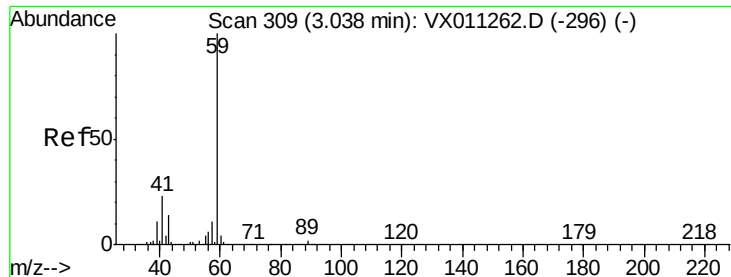
200

100

0

Time-->

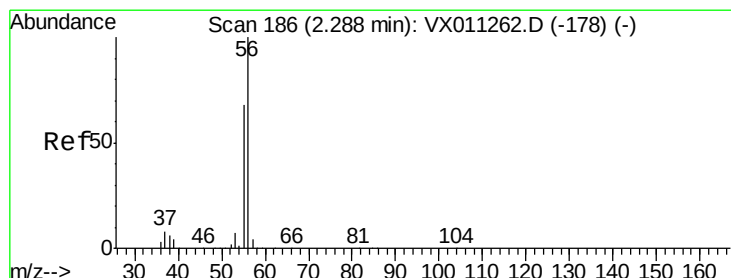
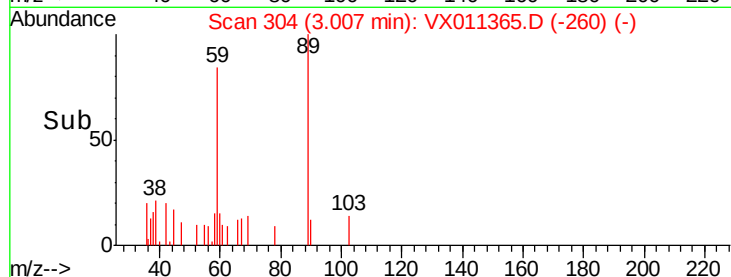
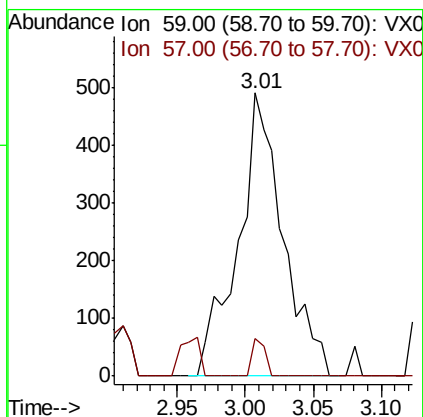
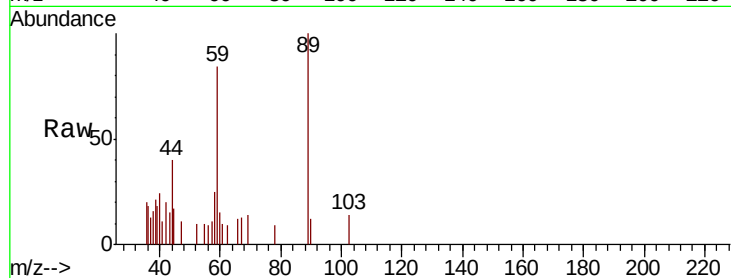




#11
Tert butyl alcohol
Concen: 3.380 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

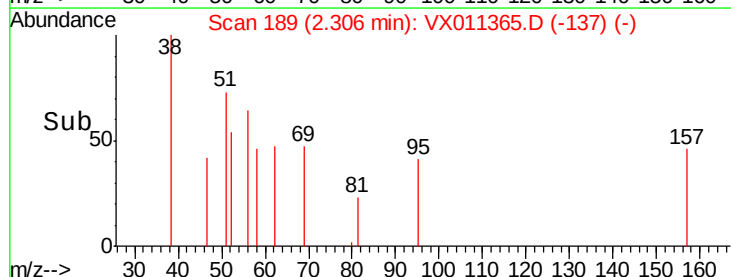
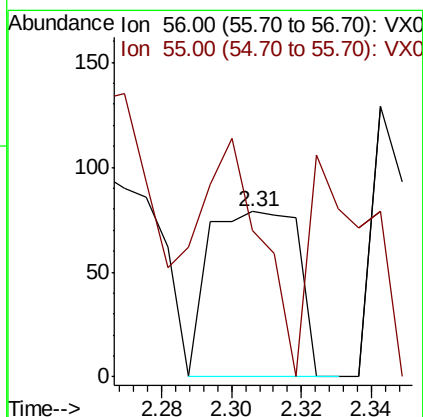
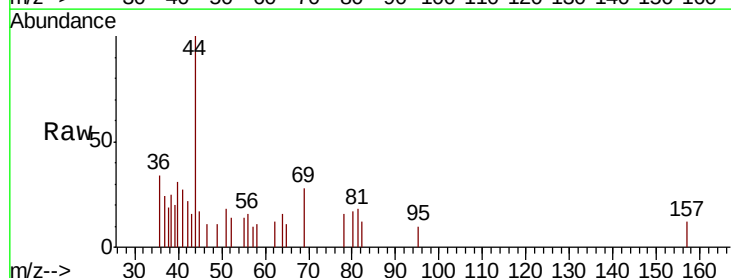
Instrument :
MSVOA_X
ClientSampled :
TB_080719

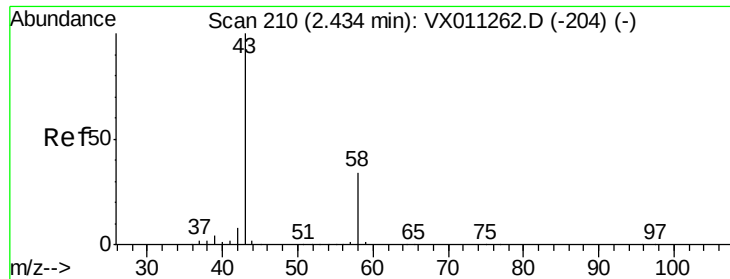
Tgt Ion: 59 Resp: 1136
Ion Ratio Lower Upper
59 100
57 3.7 8.3 12.5#



#13
Acrolein
Concen: 0.239 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.02 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 104.3 56.0 84.0#





#16

Acetone

Concen: 0.574 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

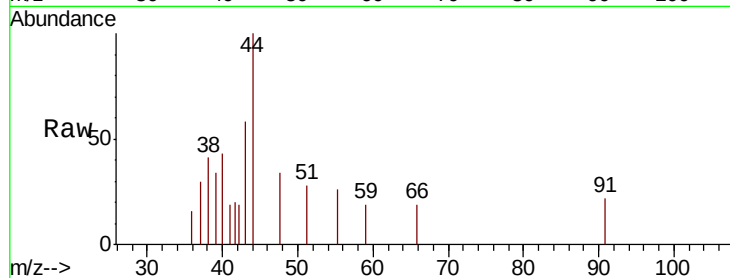
TB_080719

Tgt Ion: 43 Resp: 464

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

200

150

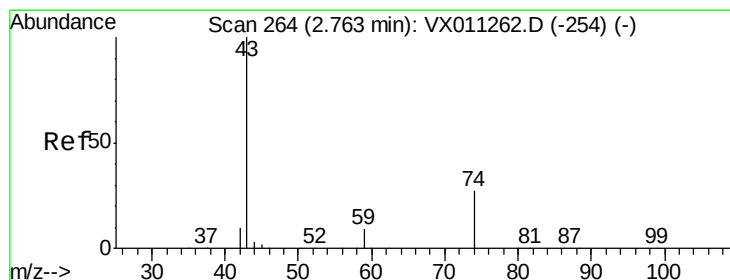
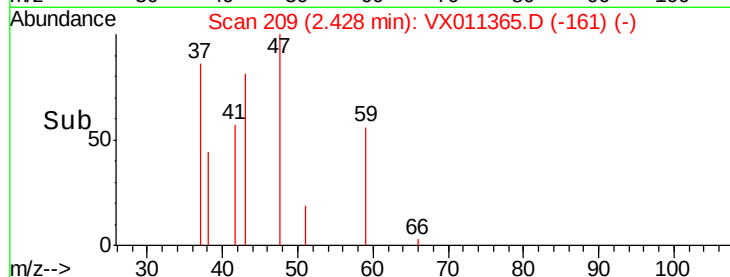
100

50

0

2.35 2.40 2.45

Time-->



#18

Methyl Acetate

Concen: 0.307 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011365.D

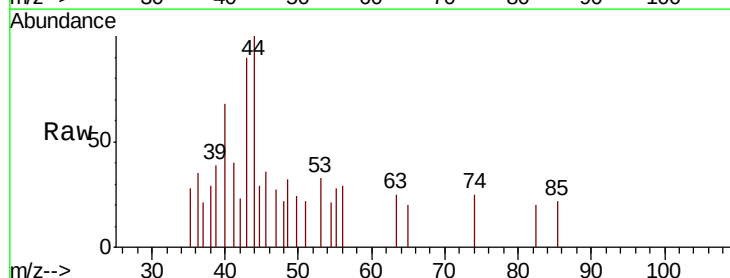
Acq: 07 Aug 2019 16:07

Tgt Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

74 7.8 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

250

200

150

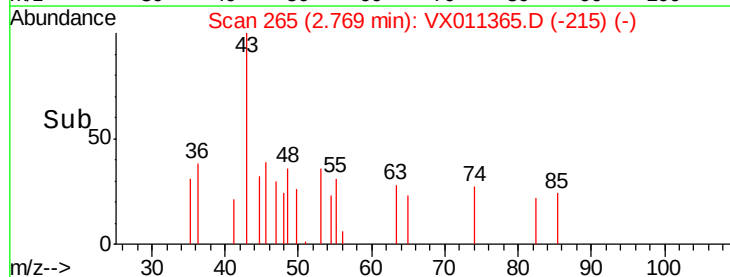
100

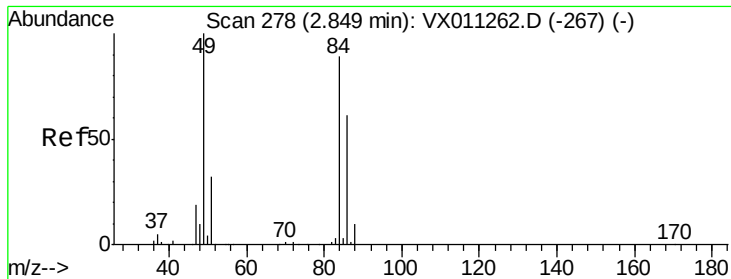
50

0

2.70 2.75 2.80

Time-->

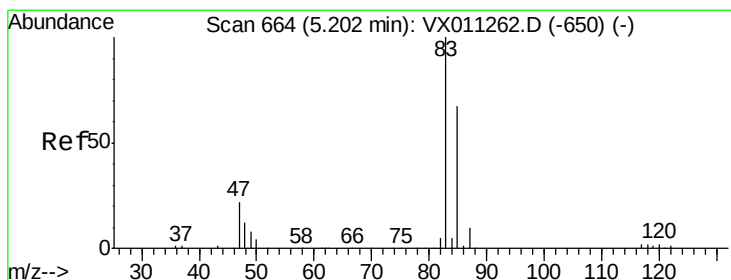
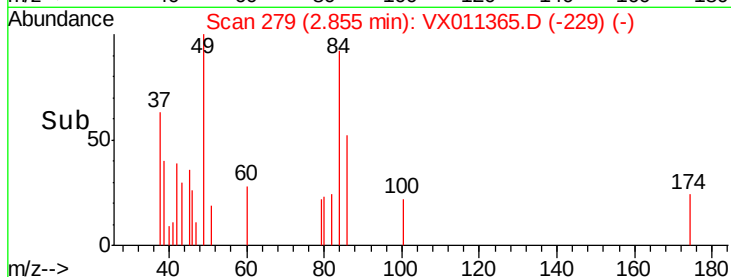
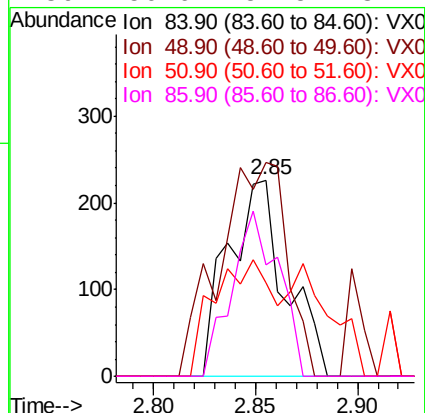
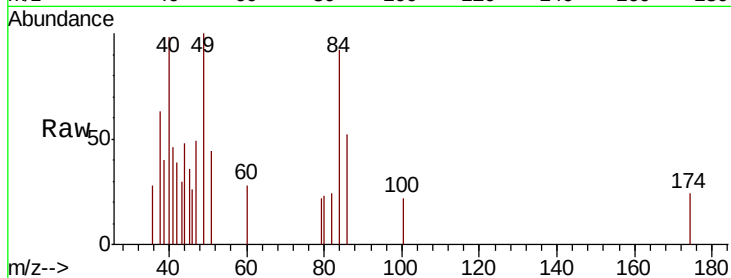




#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

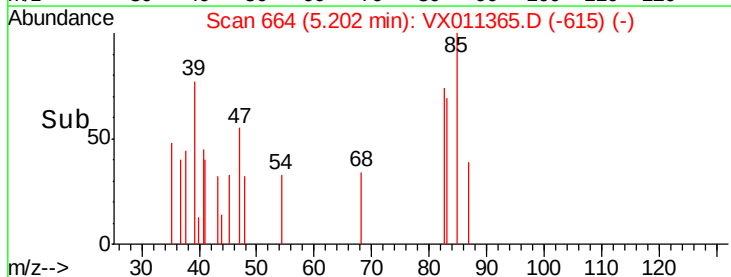
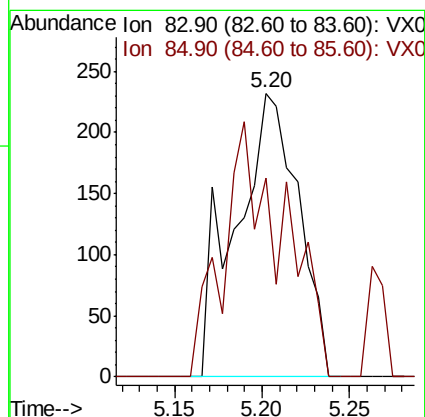
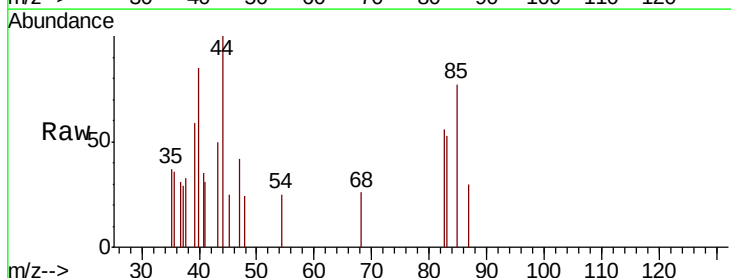
Instrument :
MSVOA_X
ClientSampled :
TB_080719

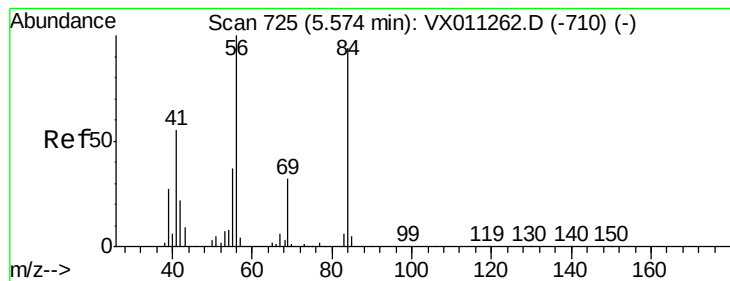
Tgt Ion: 84 Resp: 444
Ion Ratio Lower Upper
84 100
49 108.8 89.3 133.9
51 21.7 28.3 42.5#
86 56.6 54.5 81.7



#30
Chloroform
Concen: 0.202 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

Tgt Ion: 83 Resp: 582
Ion Ratio Lower Upper
83 100
85 70.3 53.4 80.0





#31

Cyclohexane

Concen: 1.521 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

TB_080719

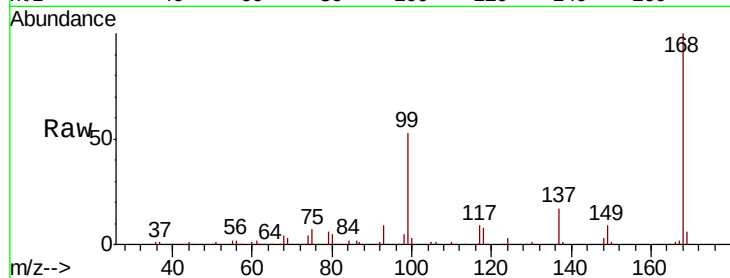
Tgt Ion: 56 Resp: 3323

Ion Ratio Lower Upper

56 100

69 161.0 25.5 38.3#

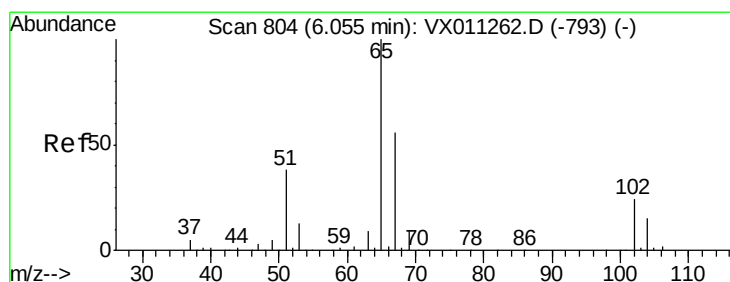
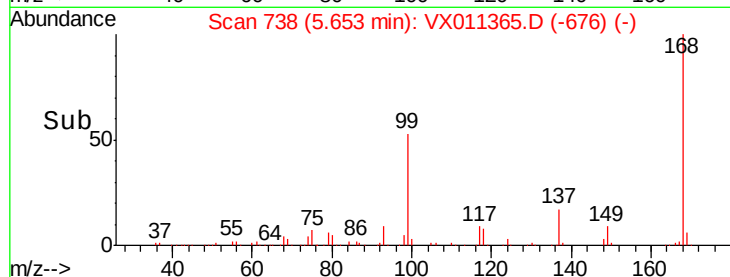
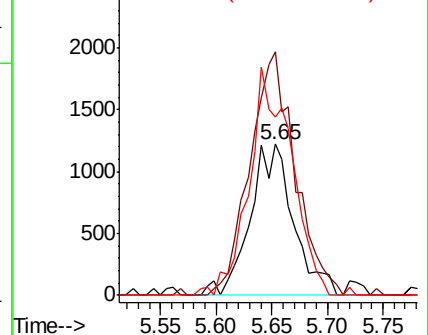
84 118.3 75.0 112.4#



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: 56.920 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011365.D

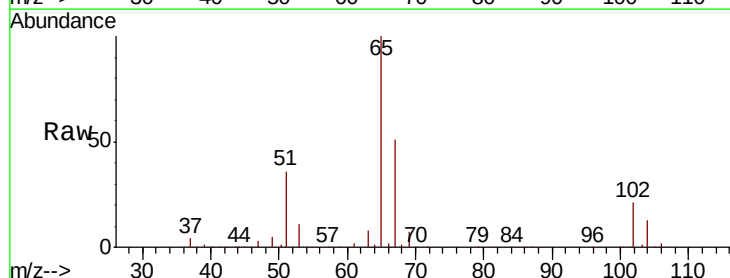
Acq: 07 Aug 2019 16:07

Tgt Ion: 65 Resp: 96586

Ion Ratio Lower Upper

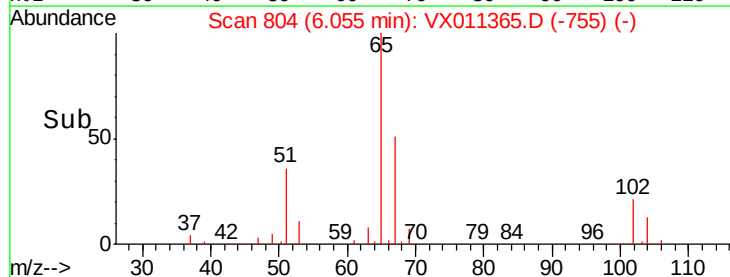
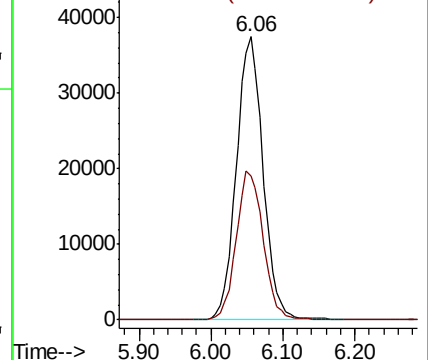
65 100

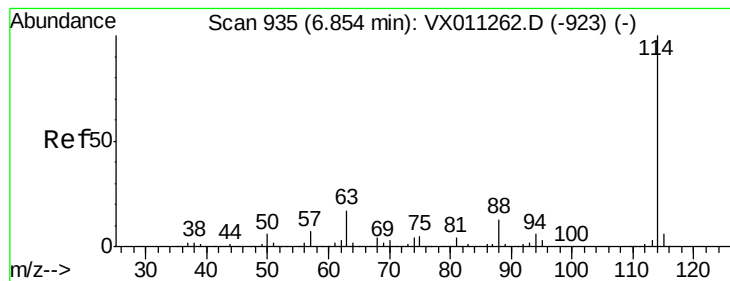
67 53.0 0.0 110.6



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. 0.00 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

TB_080719

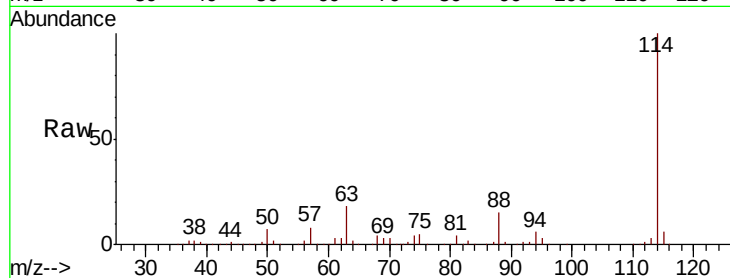
Tgt Ion:114 Resp: 273402

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

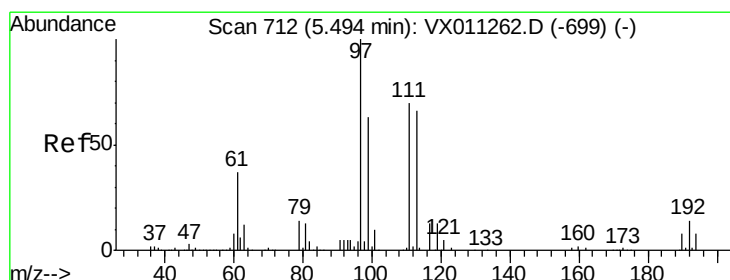
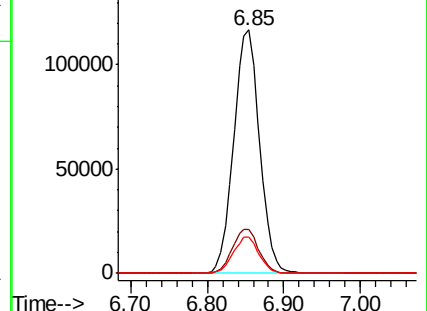
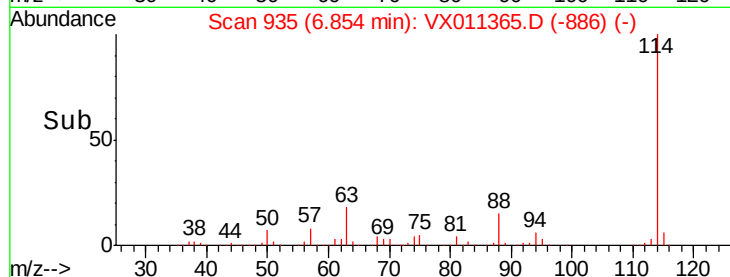
88 15.1 0.0 26.4



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: 49.788 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

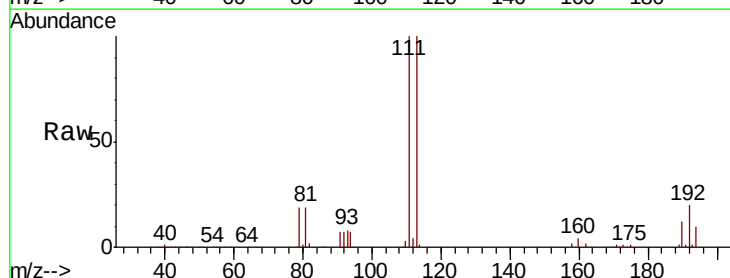
Tgt Ion:113 Resp: 88871

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

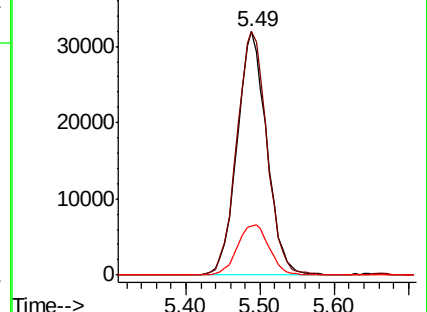
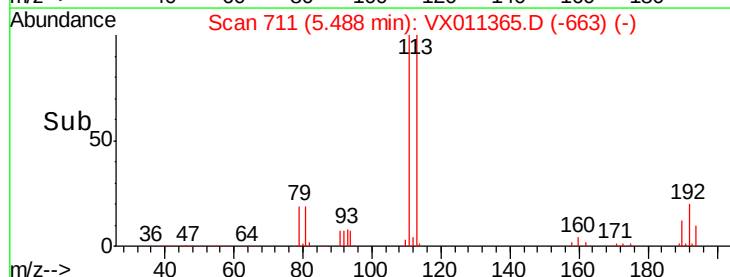
192 22.3 17.8 26.8

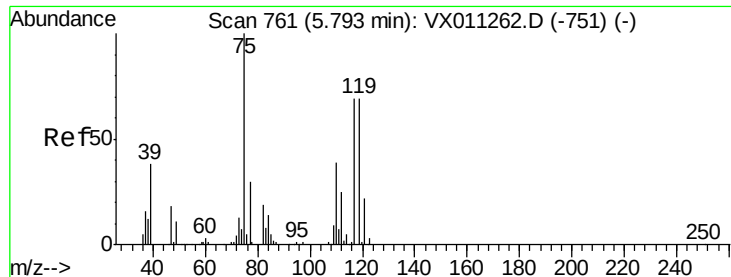


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

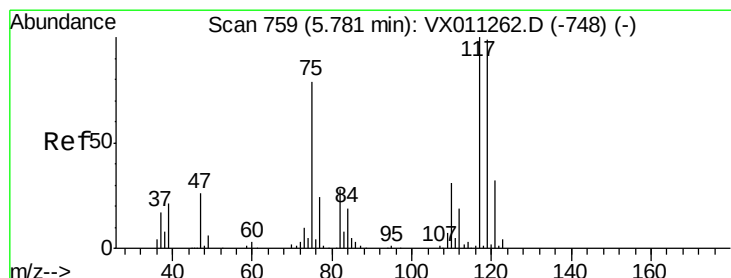
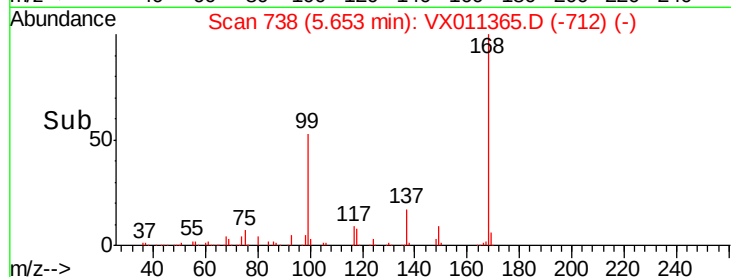
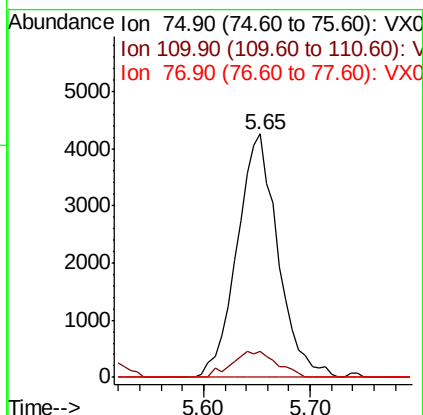
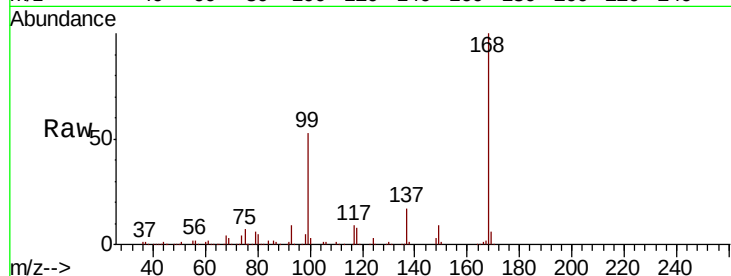




#36
 1,1-Dichloropropene
 Concen: 4.806 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011365.D
 Acq: 07 Aug 2019 16:07

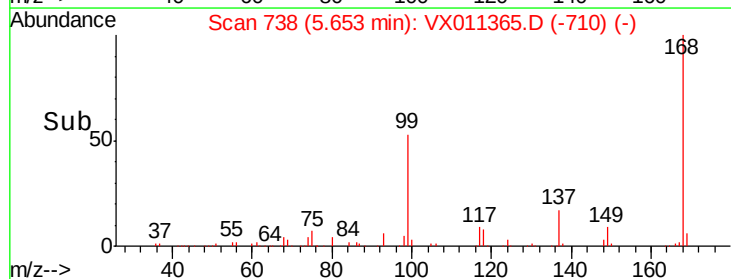
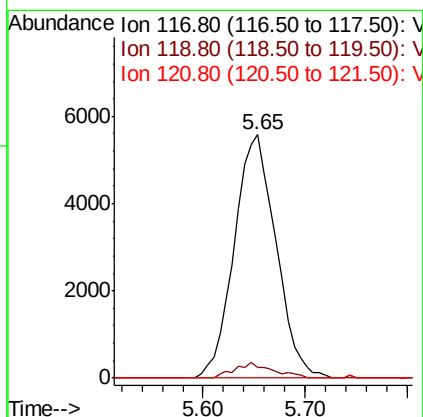
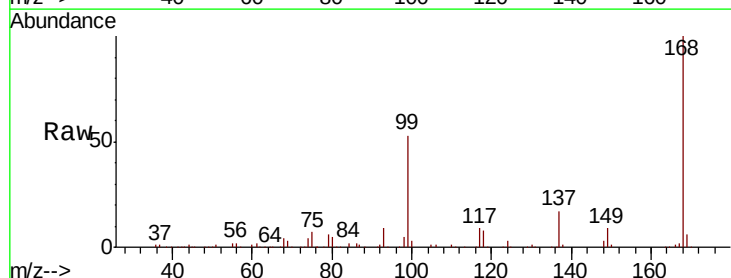
Instrument :
 MSVOA_X
 ClientSampled :
 TB_080719

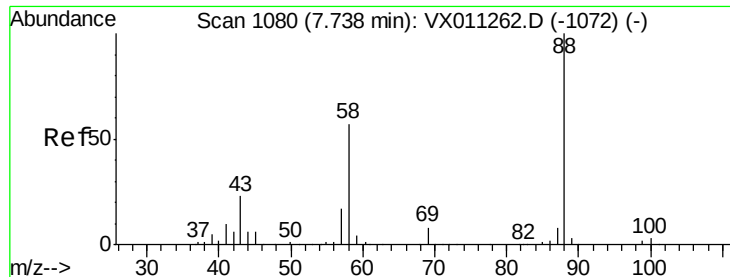
Tgt Ion: 75 Resp: 11472
 Ion Ratio Lower Upper
 75 100
 110 11.6 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.586 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011365.D
 Acq: 07 Aug 2019 16:07

Tgt Ion: 117 Resp: 15816
 Ion Ratio Lower Upper
 117 100
 119 4.1 79.0 118.4#
 121 0.0 25.9 38.9#

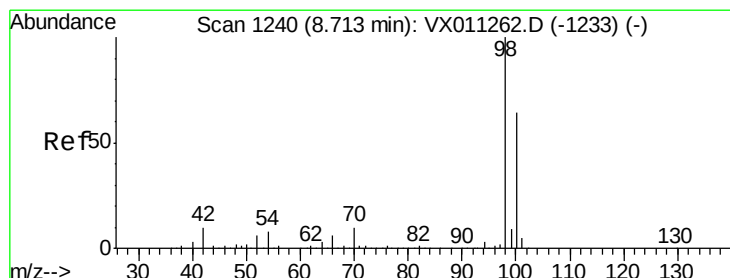
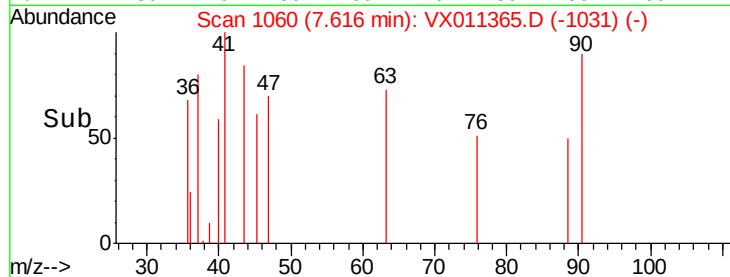
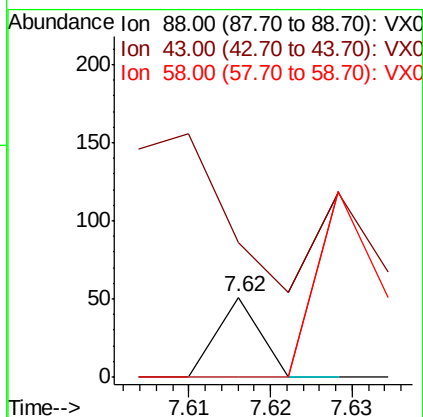
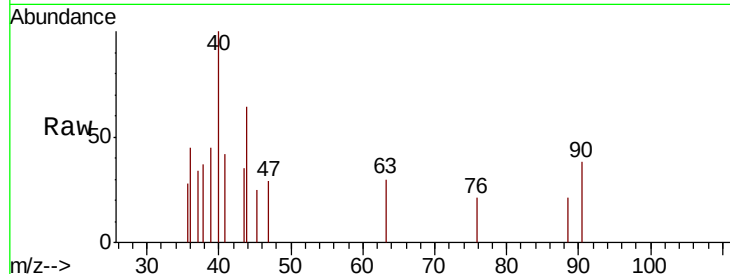




#49
1,4-Dioxane
Concen: 0.364 ug/l
RT: 7.62 min Scan# 1060
Delta R.T. -0.12 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

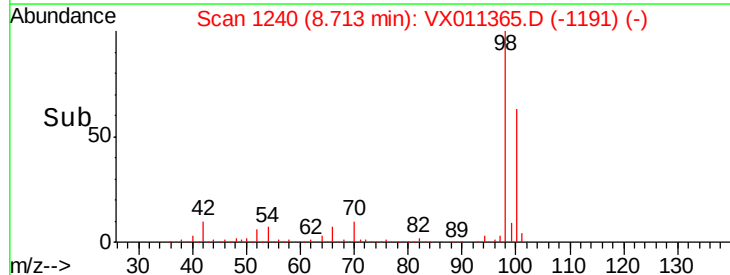
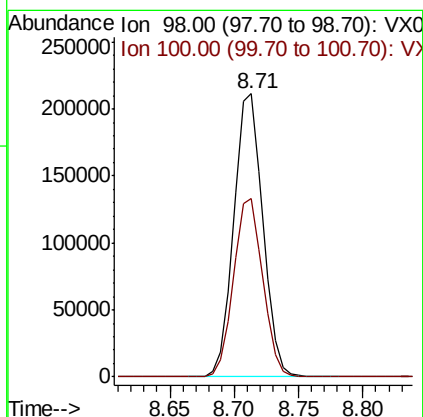
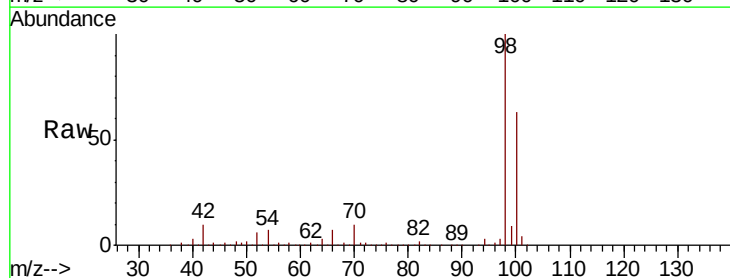
Instrument :
MSVOA_X
ClientSampled :
TB_080719

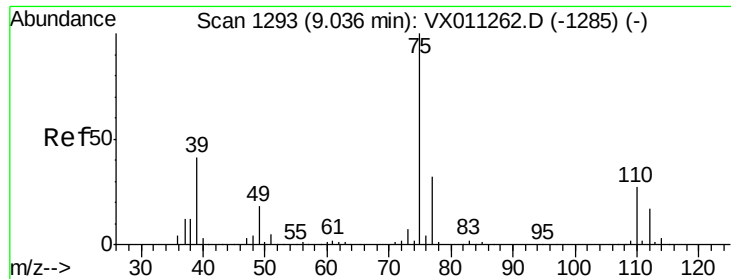
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 852.6 22.2 33.2#
58 457.9 47.8 71.8#



#50
Toluene-d8
Concen: 49.347 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

Tgt Ion: 98 Resp: 332491
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

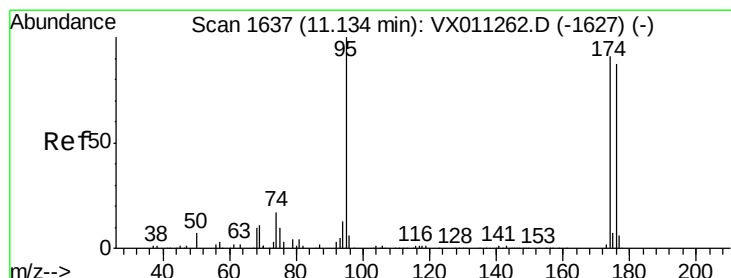
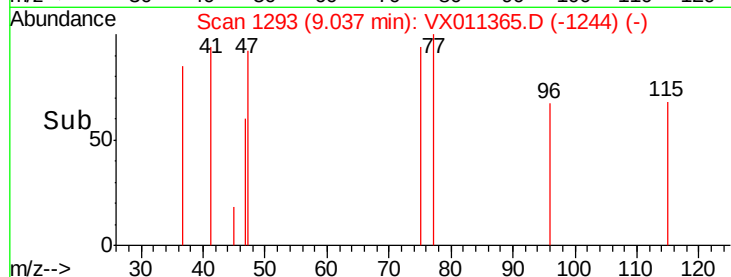
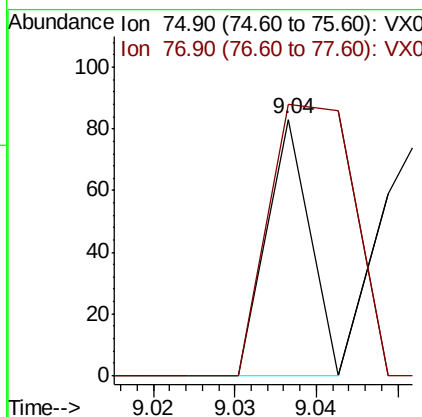
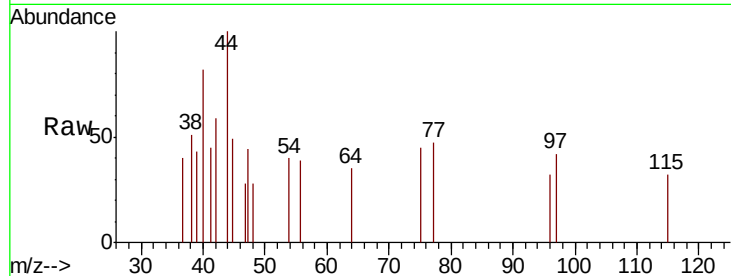




#53
t-1,3-Dichloropropene
Concen: 2.849 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

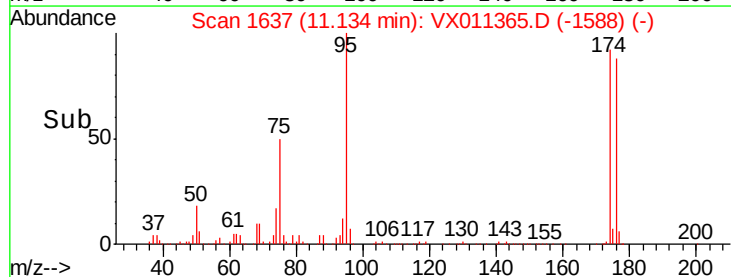
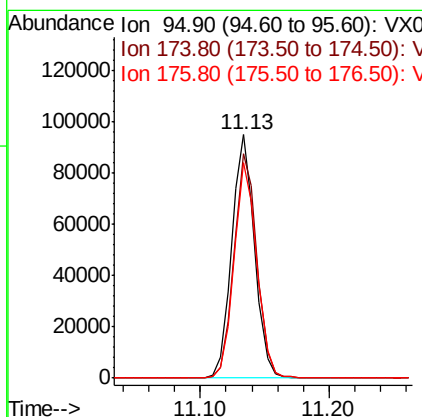
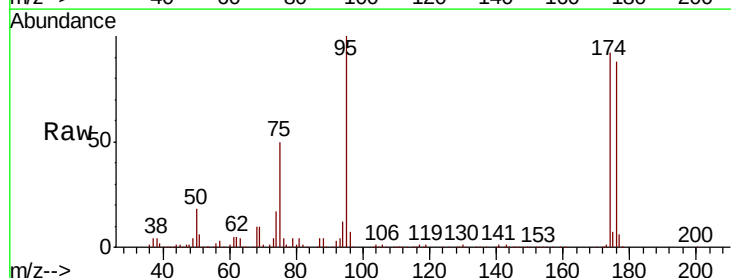
Instrument :
MSVOA_X
ClientSampleId :
TB_080719

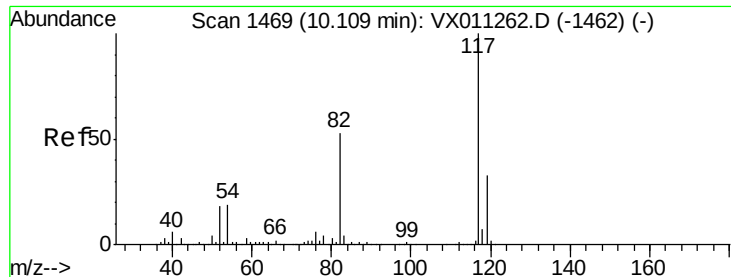
Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 106.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 48.926 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

Tgt Ion: 95 Resp: 117695
Ion Ratio Lower Upper
95 100
174 92.6 0.0 191.2
176 88.3 0.0 184.8

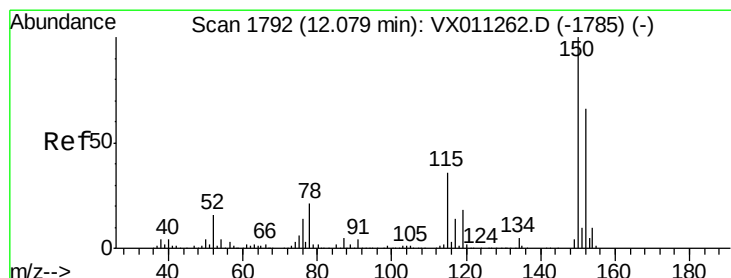
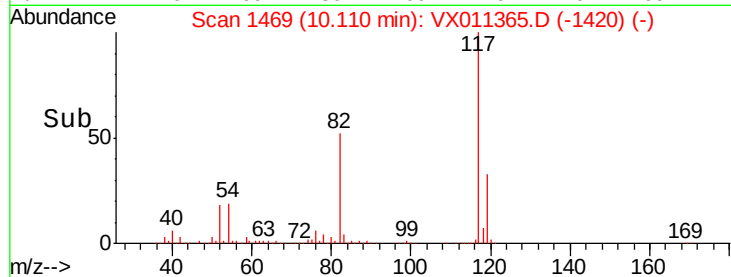
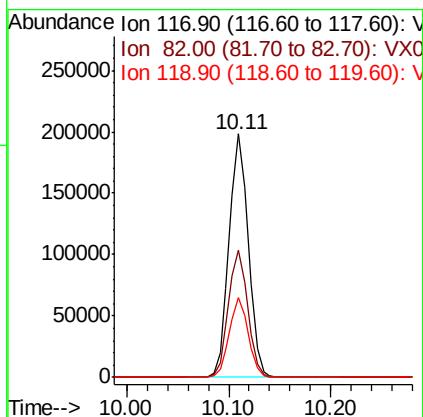
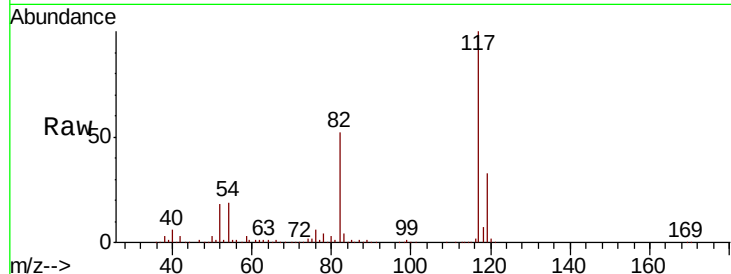




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

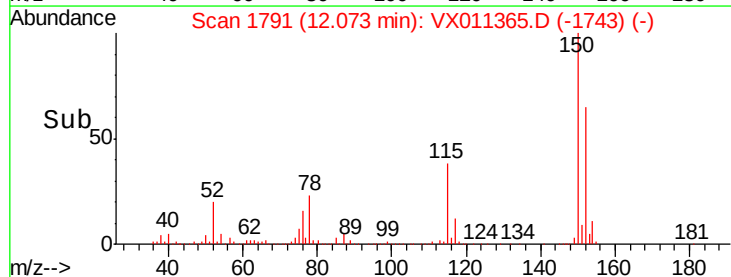
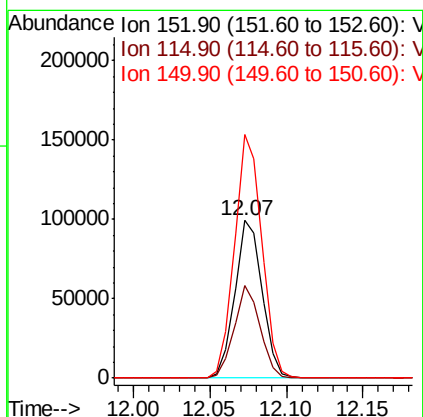
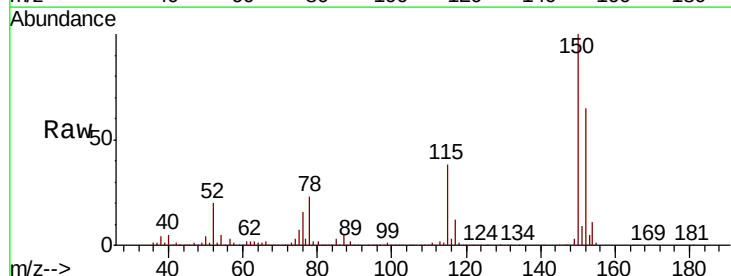
Instrument :
MSVOA_X
ClientSampled :
TB_080719

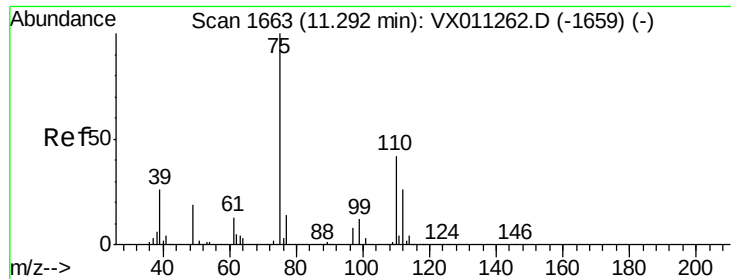
Tgt Ion:117 Resp: 258179
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.2
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011365.D
Acq: 07 Aug 2019 16:07

Tgt Ion:152 Resp: 122787
Ion Ratio Lower Upper
152 100
115 55.8 40.0 119.9
150 154.6 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 26.491 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

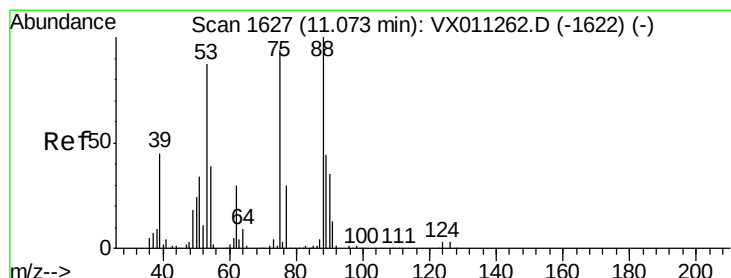
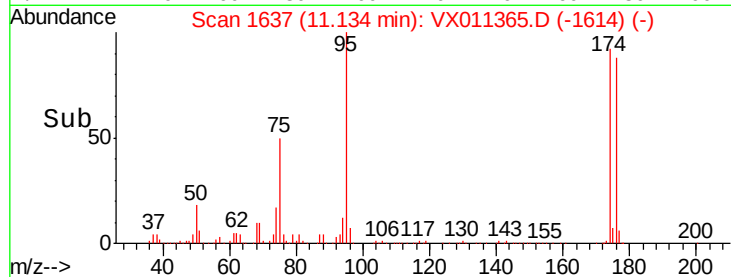
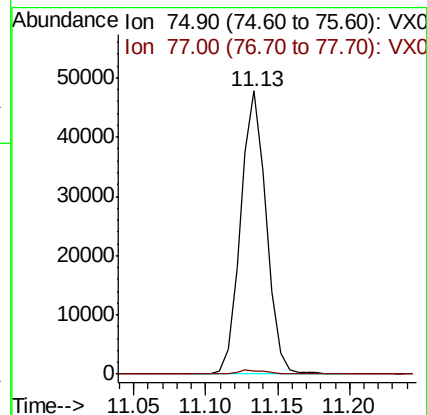
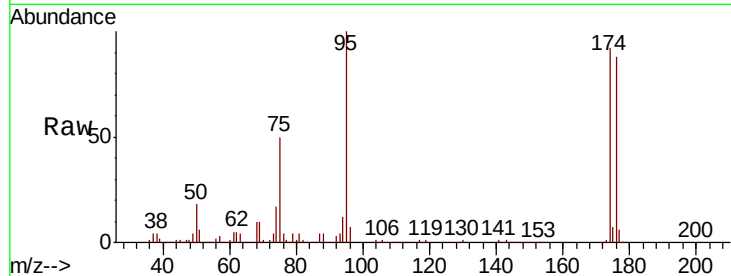
TB_080719

Tgt Ion: 75 Resp: 59236

Ion Ratio Lower Upper

75 100

77 1.6 21.1 63.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.860 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011365.D

Acq: 07 Aug 2019 16:07

Tgt Ion: 75 Resp: 59236

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 37.9 56.9#

