

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
 Data File : VX011843.D
 Acq On : 27 Aug 2019 12:32
 Operator : JC/SP
 Sample : K4524-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190823

Quant Time: Aug 28 02:20:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	423845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	585415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	519196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	252024	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	214031	50.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.54%	
35) Dibromofluoromethane	5.49	113	182653	48.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.50%	
50) Toluene-d8	8.71	98	673606	51.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.13	95	243389	46.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.28%	

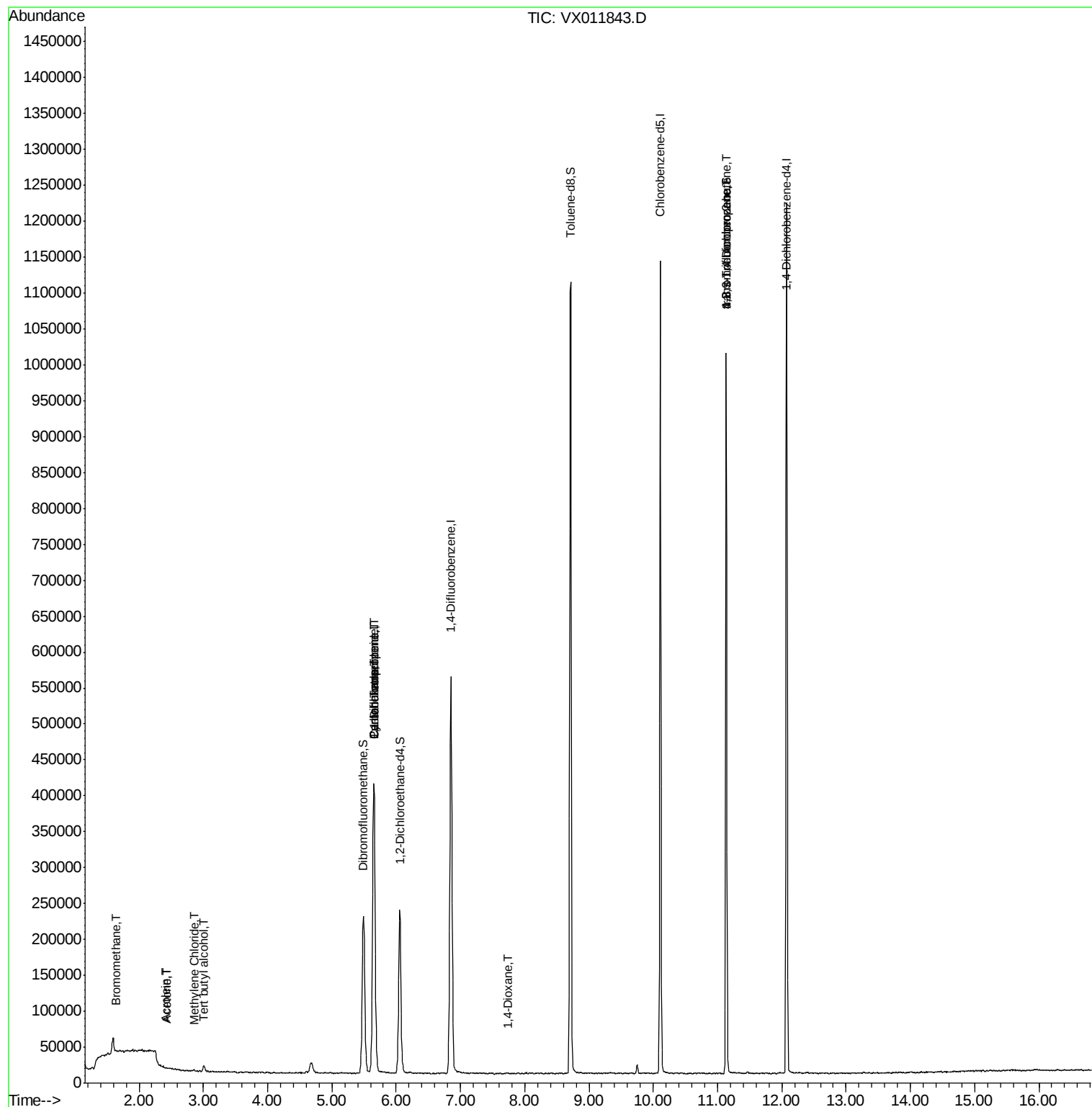
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	586	0.307	ug/l #	61
11) Tert butyl alcohol	3.01	59	4805	5.711	ug/l #	85
13) Acrolein	2.40	56	135	0.415	ug/l #	16
16) Acetone	2.43	43	497	0.268	ug/l #	60
20) Methylene Chloride	2.85	84	996	0.263	ug/l	94
31) Cyclohexane	5.65	56	7312	1.397	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	26176	5.702	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37435	7.195	ug/l #	15
49) 1,4-Dioxane	7.73	88	23	0.212	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	122968	27.807	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	122968	83.860	ug/l #	11

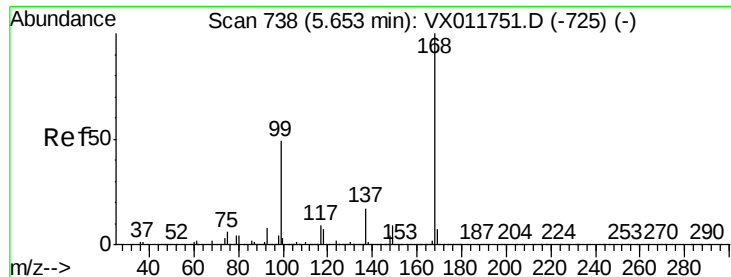
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
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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: VX011843.D

Acq: 27 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

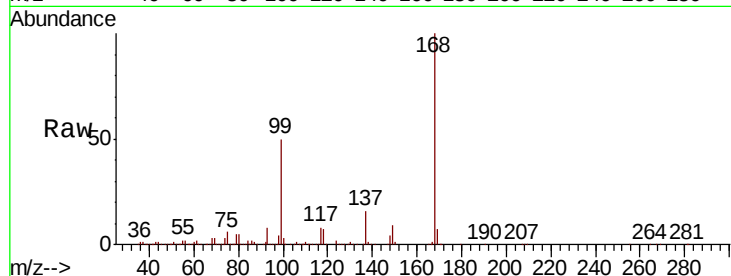
TT-TB-20190823

Tgt Ion:168 Resp: 423845

Ion Ratio Lower Upper

168 100

99 49.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

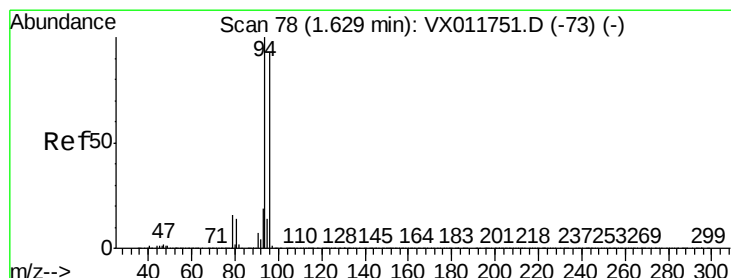
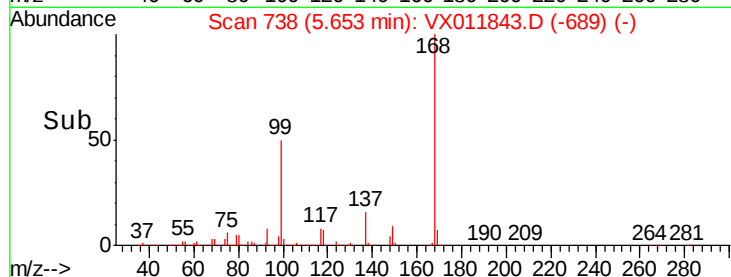
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.307 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011843.D

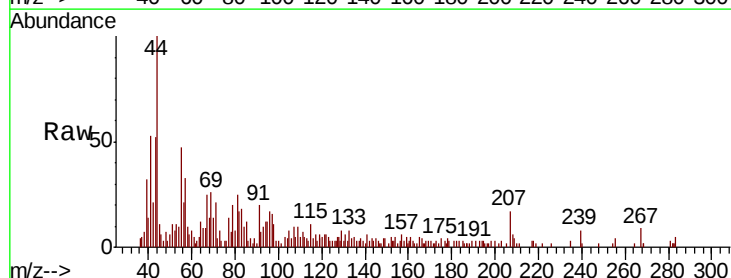
Acq: 27 Aug 2019 12:32

Tgt Ion: 94 Resp: 586

Ion Ratio Lower Upper

94 100

96 55.7 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

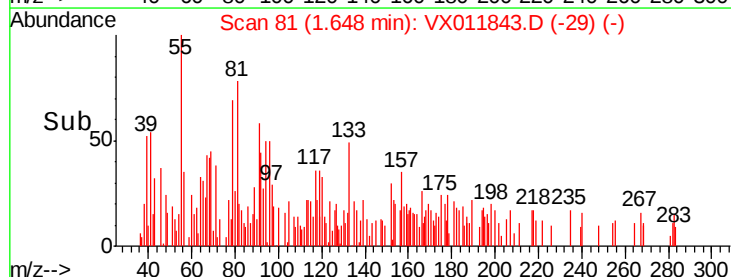
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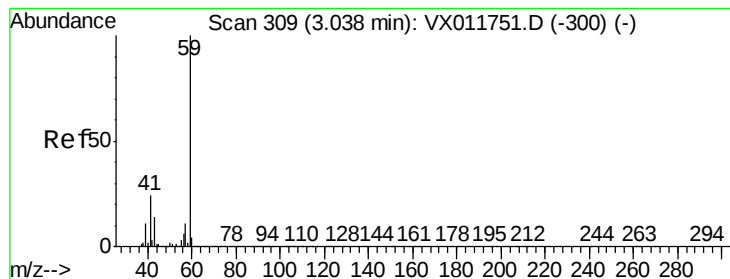
200

0

1.60 1.65 1.70

Time-->



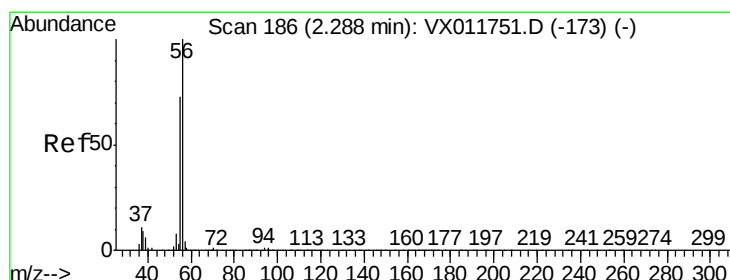
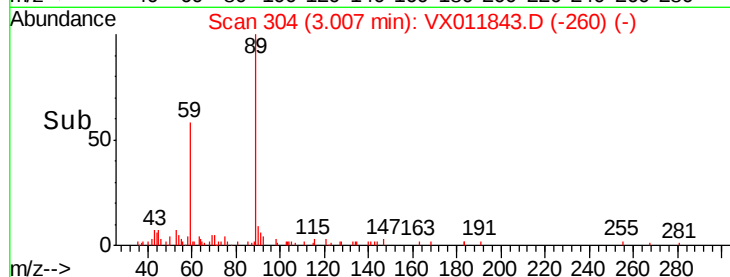
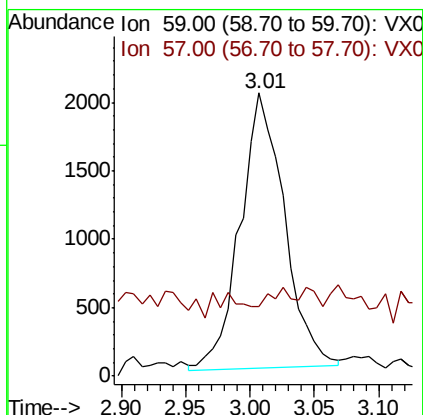
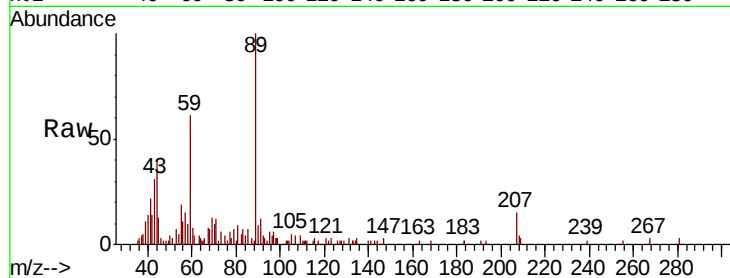


#11

Tert butyl alcohol
Concen: 5.711 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190823

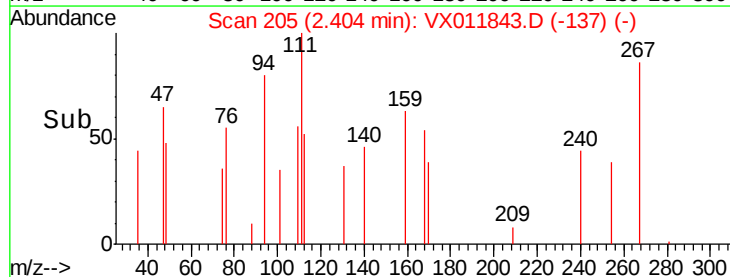
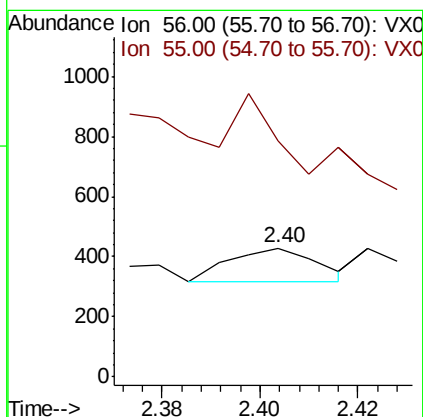
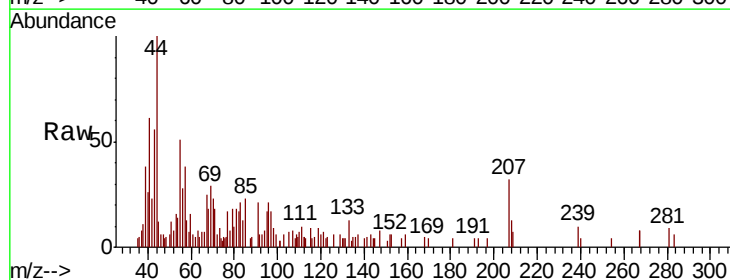
Tgt Ion: 59 Resp: 4805
Ion Ratio Lower Upper
59 100
57 5.0 8.4 12.6#

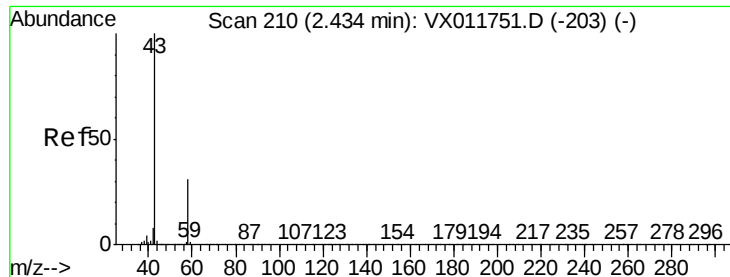


#13

Acrolein
Concen: 0.415 ug/l
RT: 2.40 min Scan# 205
Delta R.T. 0.12 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 0.268 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011843.D

Acq: 27 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

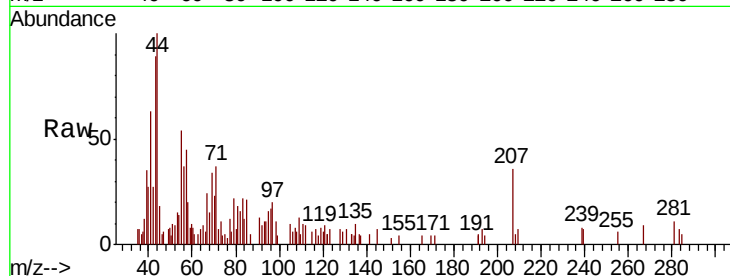
TT-TB-20190823

Tgt Ion: 43 Resp: 497

Ion Ratio Lower Upper

43 100

58 8.6 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

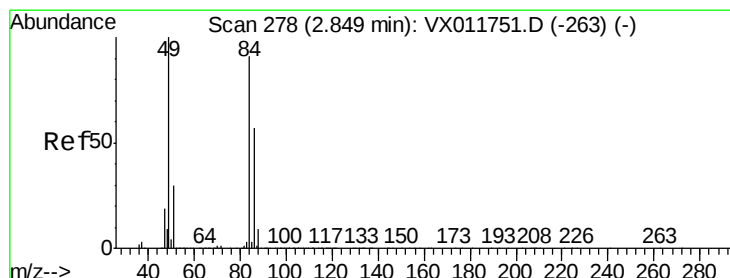
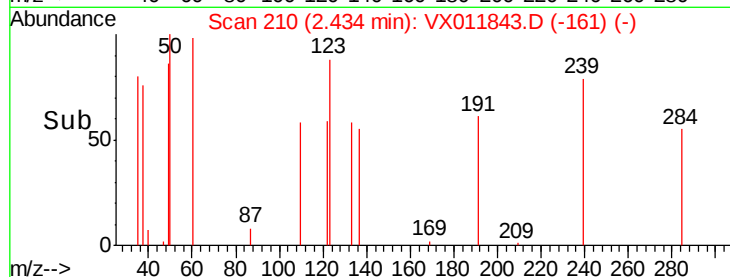
1000

500

0

2.40 2.42 2.44 2.46

Time-->



#20

Methylene Chloride

Concen: 0.263 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011843.D

Acq: 27 Aug 2019 12:32

Tgt Ion: 84 Resp: 996

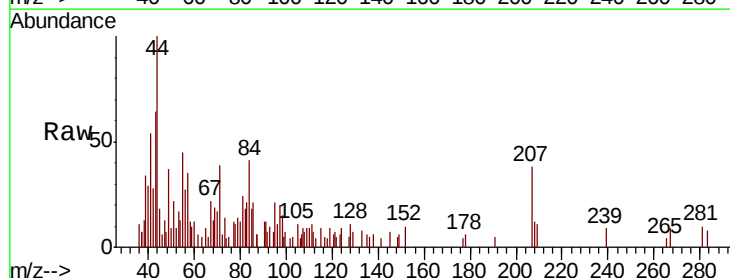
Ion Ratio Lower Upper

84 100

49 104.9 88.3 132.5

51 37.0 26.2 39.2

86 67.4 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

600

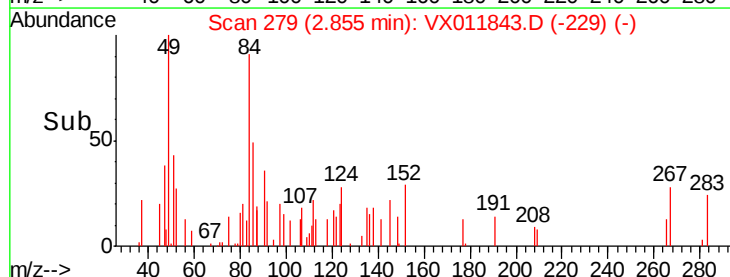
400

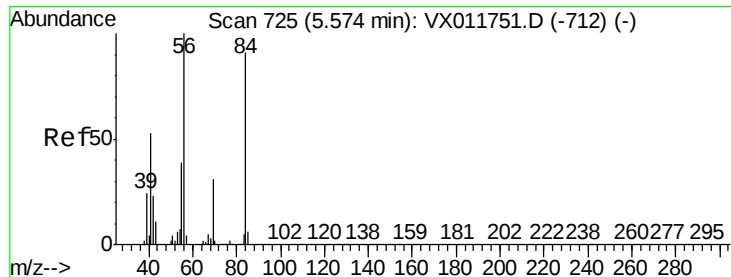
200

0

2.80 2.85 2.90

Time-->

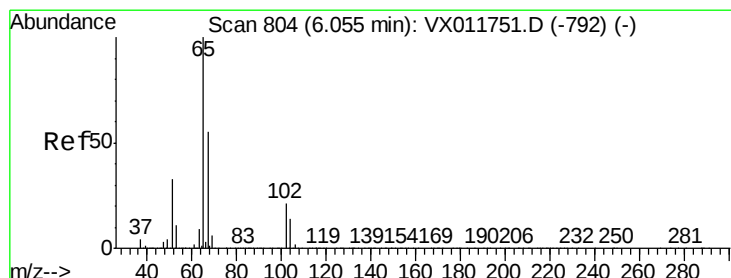
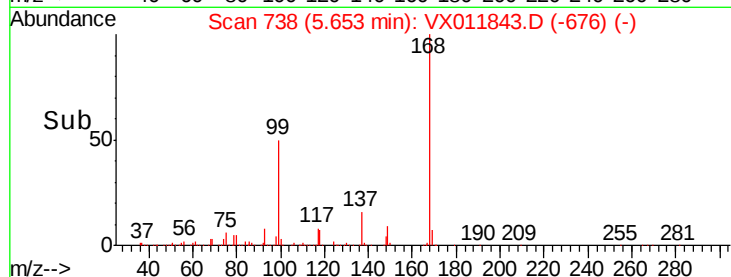
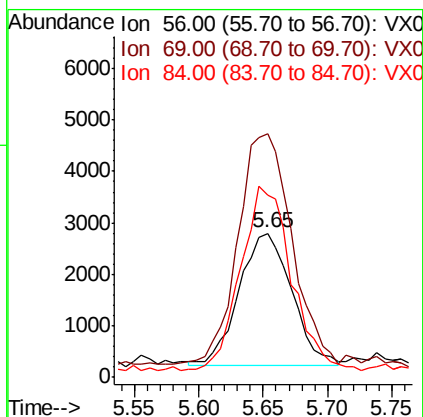
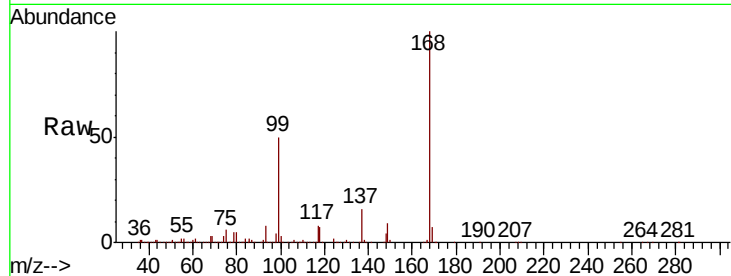




#31
Cyclohexane
Concen: 1.397 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

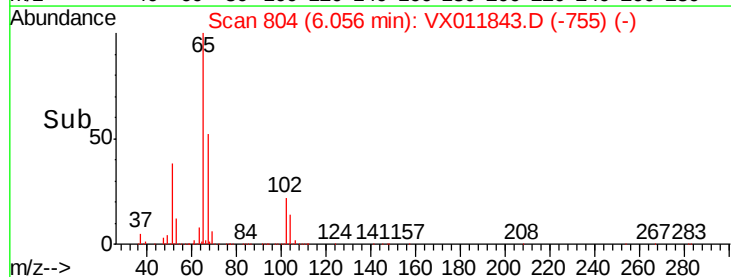
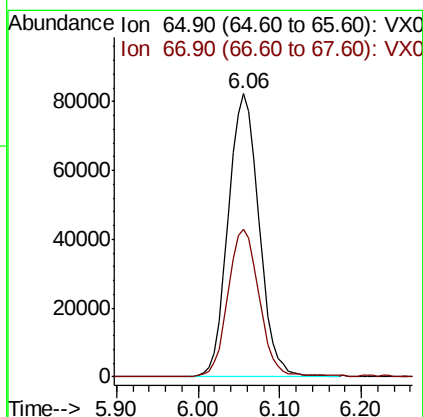
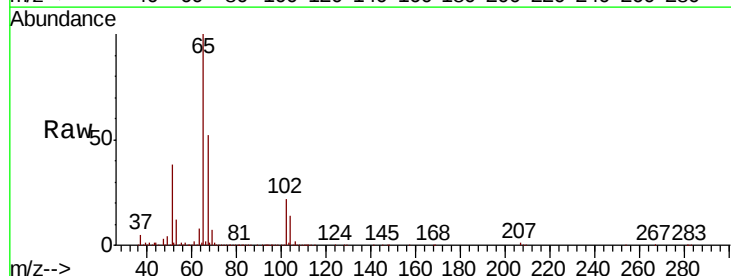
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190823

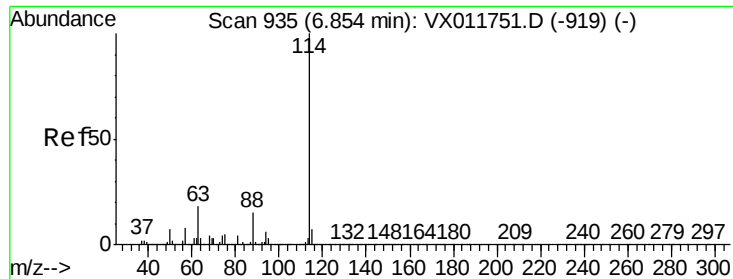
Tgt Ion: 56 Resp: 7312
Ion Ratio Lower Upper
56 100
69 179.3 24.5 36.7#
84 135.8 72.7 109.1#



#33
1,2-Dichloroethane-d4
Concen: 50.268 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

Tgt Ion: 65 Resp: 214031
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011843.D

Acq: 27 Aug 2019 12:32

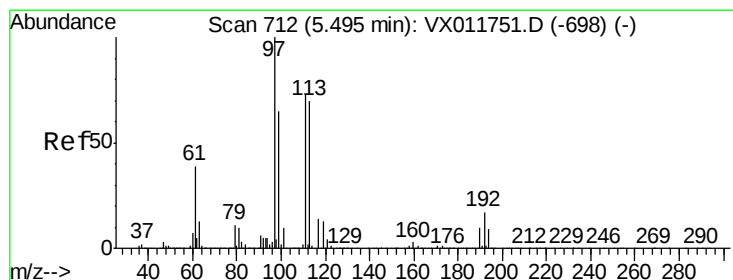
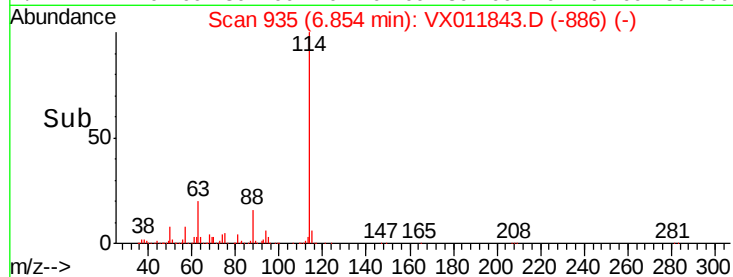
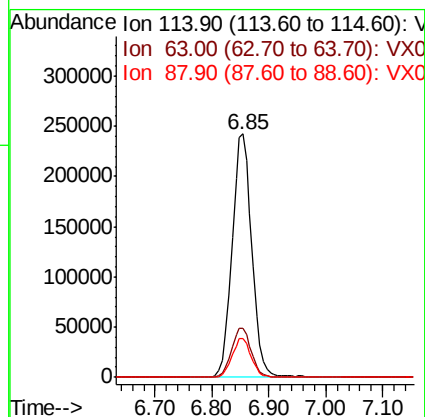
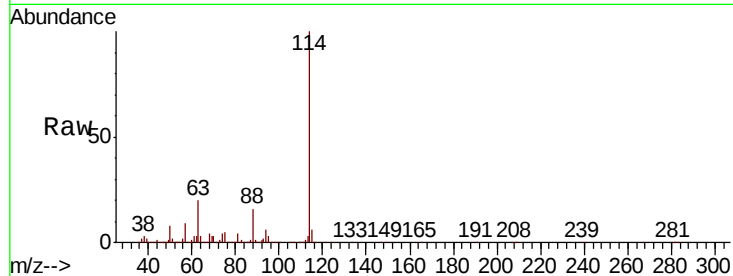
Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190823

Tgt Ion:	114	Resp:	585415
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	36.8
88	15.8	0.0	30.2



#35

Dibromofluoromethane

Concen: 48.250 ug/l

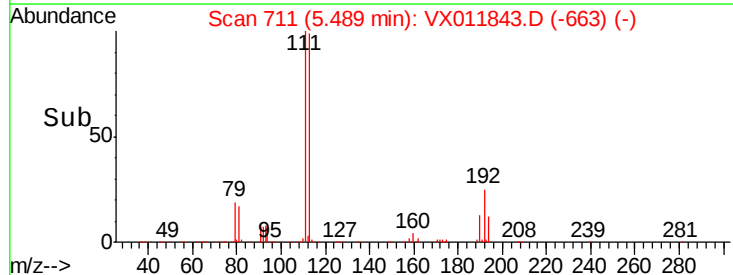
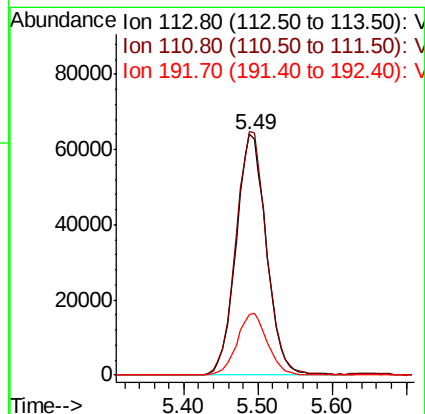
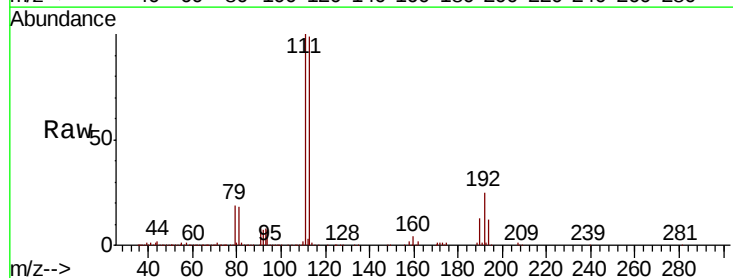
RT: 5.49 min Scan# 711

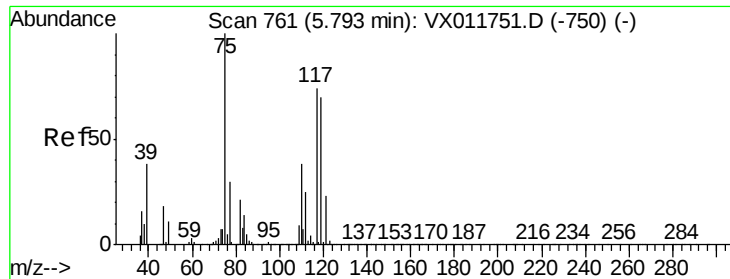
Delta R.T. -0.01 min

Lab File: VX011843.D

Acq: 27 Aug 2019 12:32

Tgt Ion:	113	Resp:	182653
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	25.7	19.9	29.9

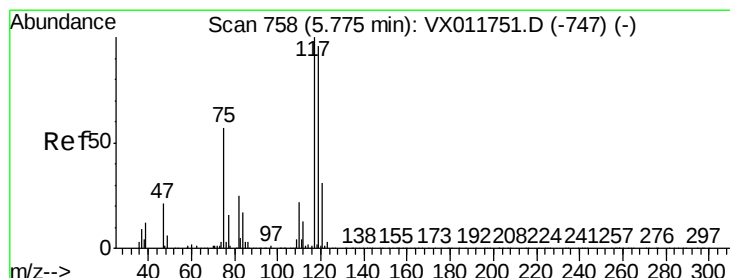
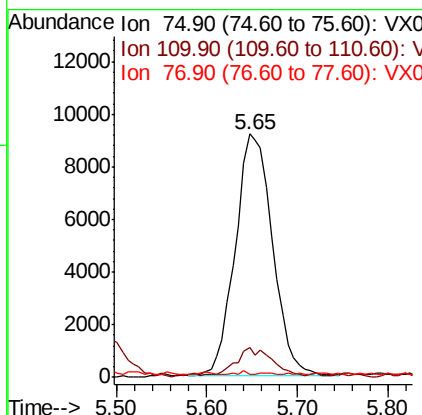
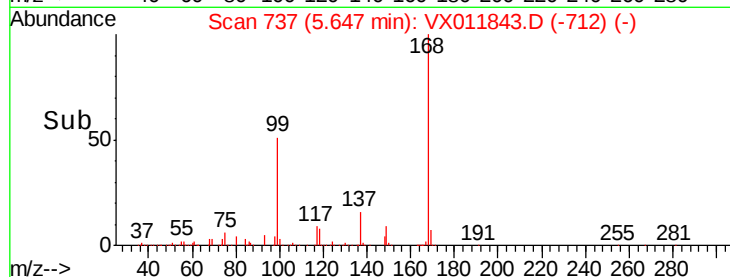
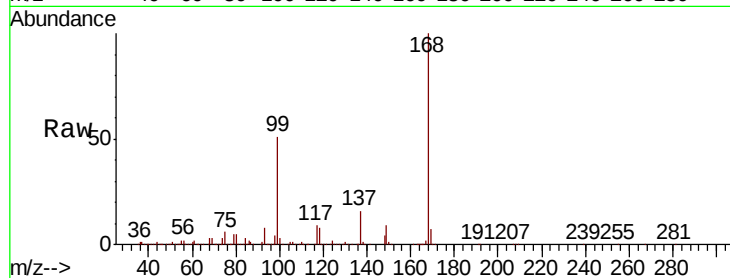




#36
 1,1-Dichloropropene
 Concen: 5.702 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011843.D
 Acq: 27 Aug 2019 12:32

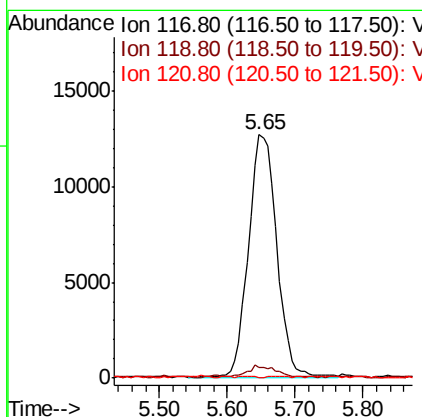
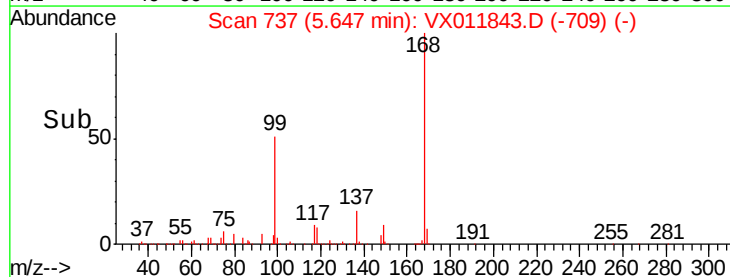
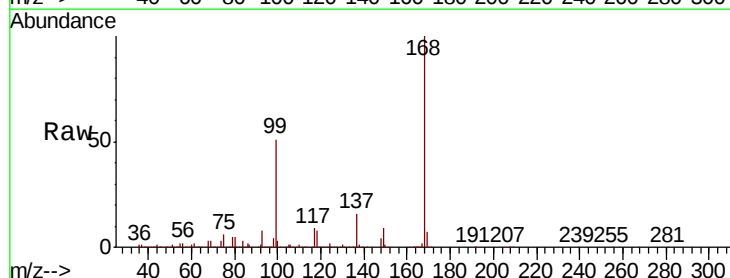
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190823

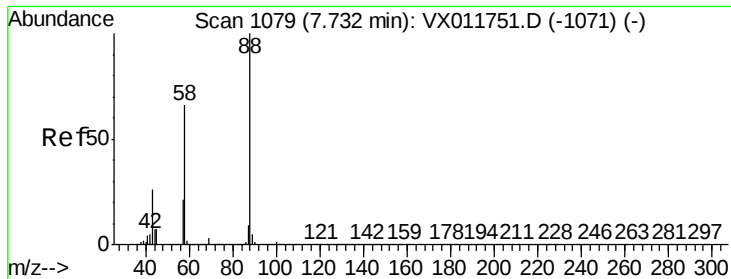
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	19.0	57.0#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.195 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.13 min
 Lab File: VX011843.D
 Acq: 27 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.6	114.8#
121	0.0	25.2	37.8#

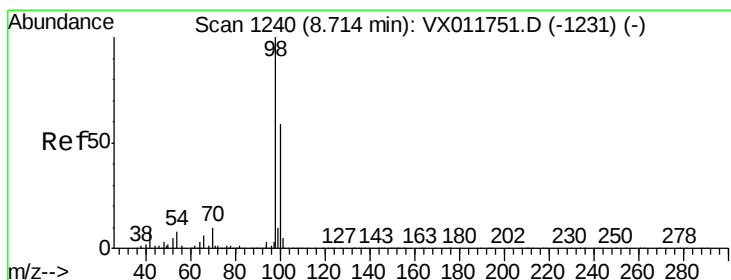
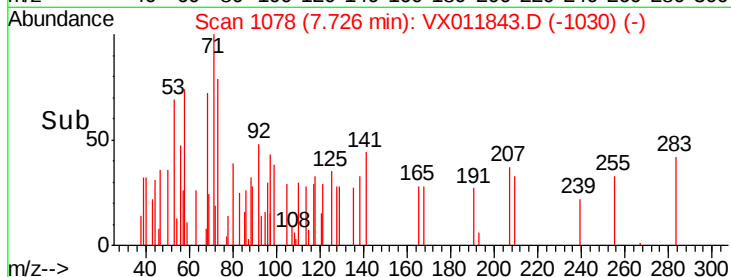
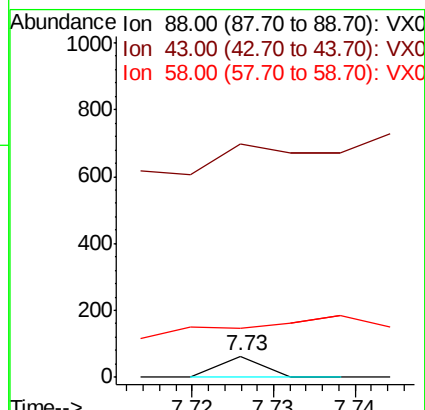
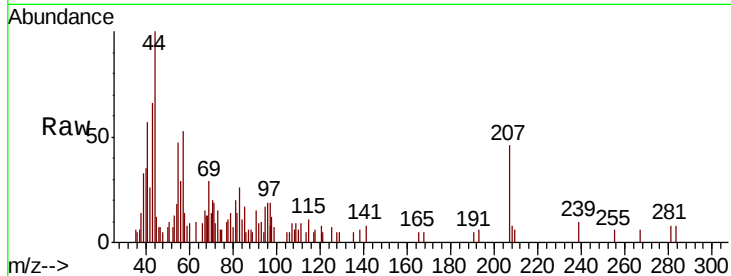




#49
1,4-Dioxane
Concen: 0.212 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

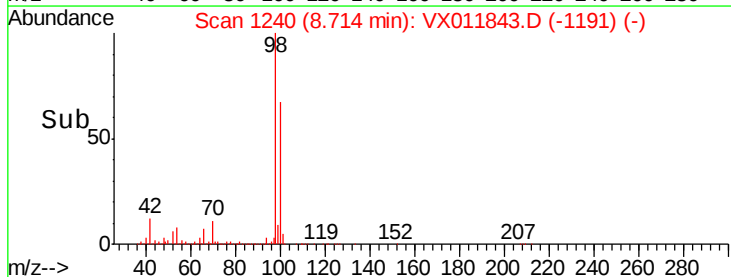
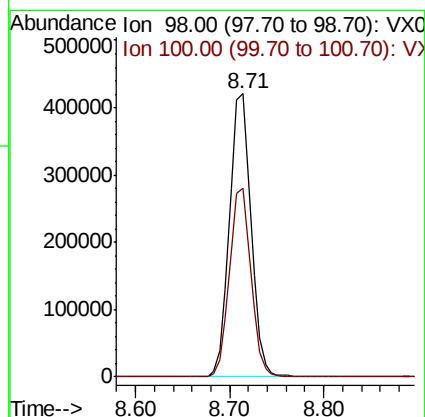
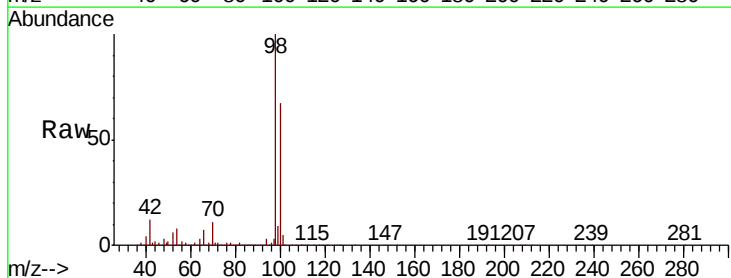
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190823

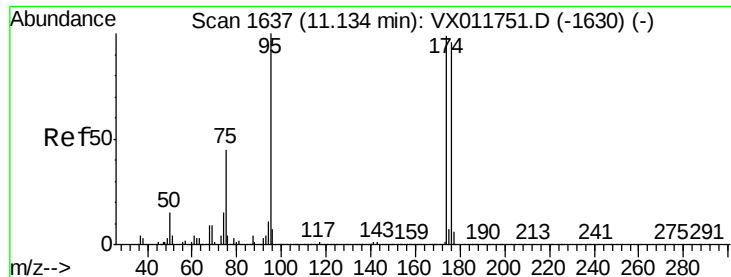
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1508.7 24.6 37.0#
58 660.9 51.4 77.2#



#50
Toluene-d8
Concen: 51.015 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

Tgt Ion: 98 Resp: 673606
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1

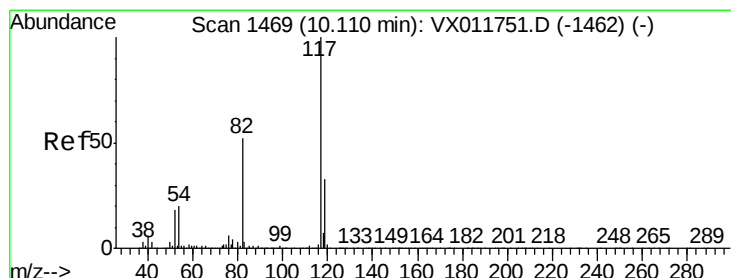
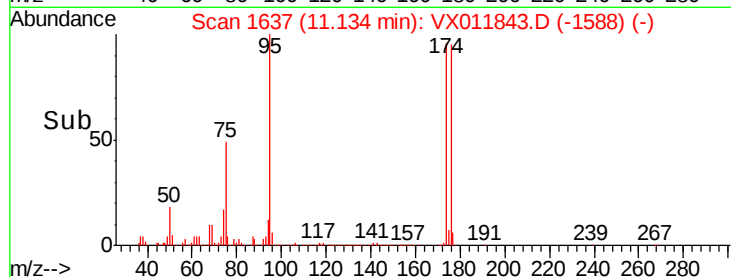
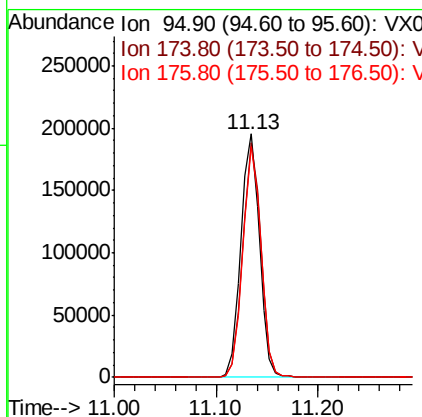
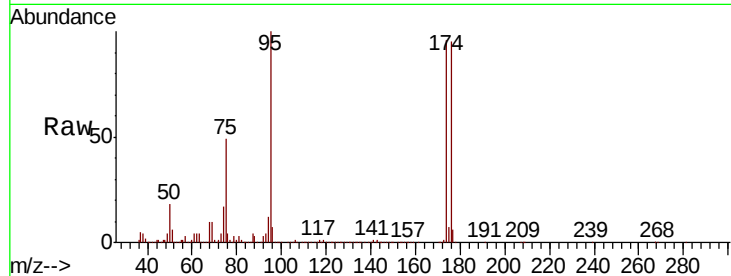




#62
4-Bromofluorobenzene
Concen: 46.635 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

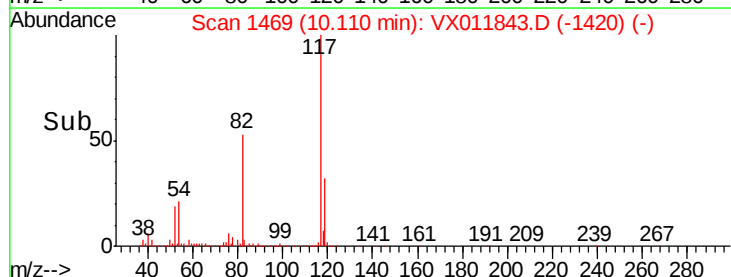
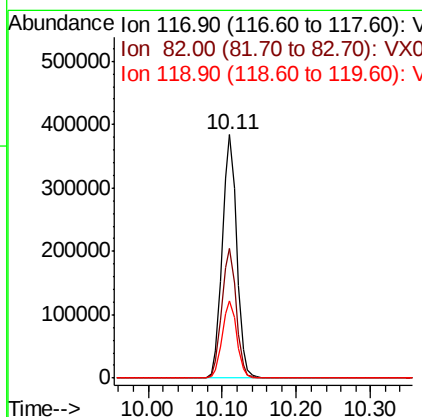
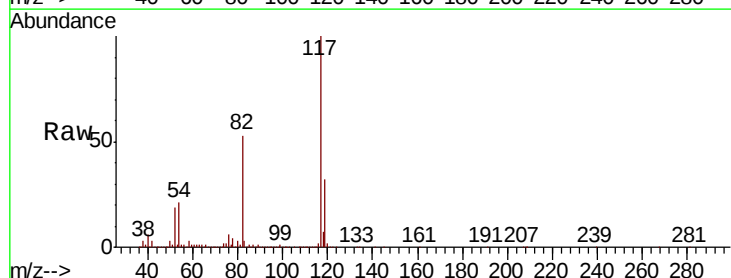
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190823

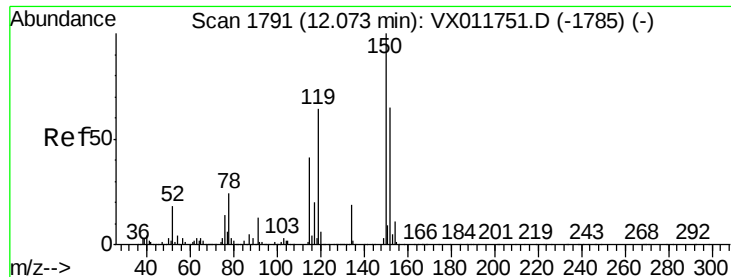
Tgt Ion: 95 Resp: 243389
Ion Ratio Lower Upper
95 100
174 95.0 0.0 197.4
176 93.4 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011843.D
Acq: 27 Aug 2019 12:32

Tgt Ion: 117 Resp: 519196
Ion Ratio Lower Upper
117 100
82 53.1 41.7 62.5
119 31.9 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011843.D

Acq: 27 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190823

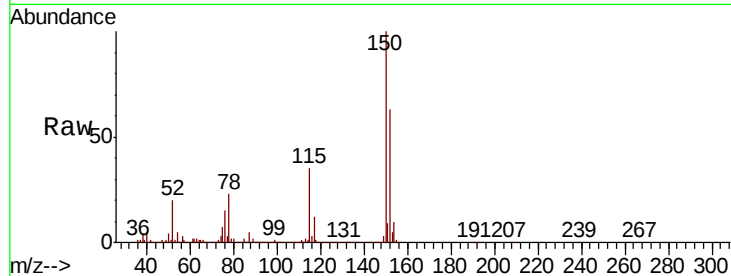
Tgt Ion: 152 Resp: 252024

Ion Ratio Lower Upper

152 100

115 54.5 37.3 111.8

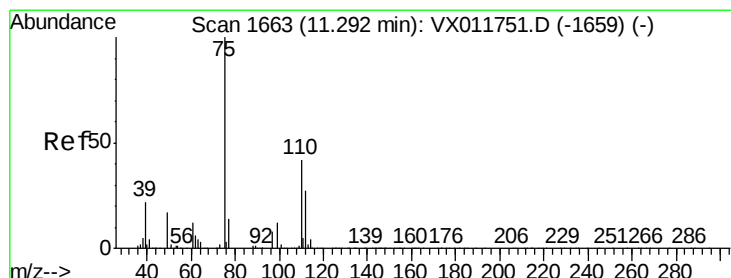
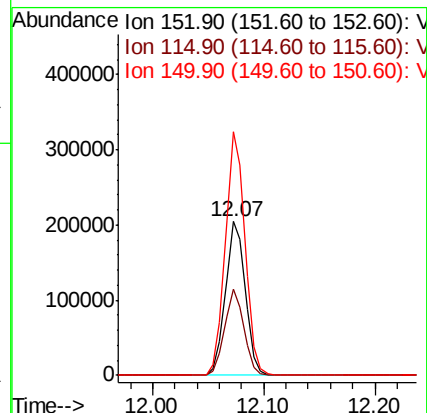
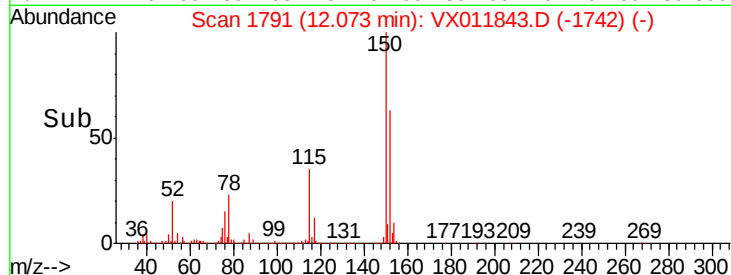
150 156.8 0.0 343.0



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: 27.807 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011843.D

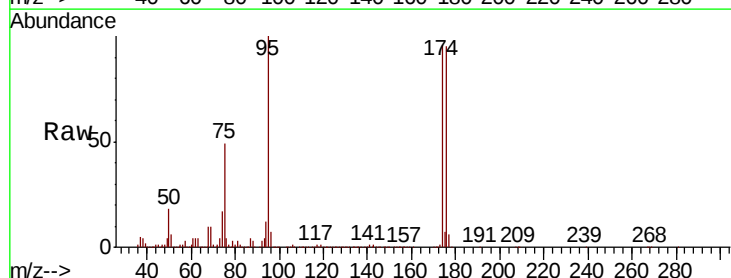
Acq: 27 Aug 2019 12:32

Tgt Ion: 75 Resp: 122968

Ion Ratio Lower Upper

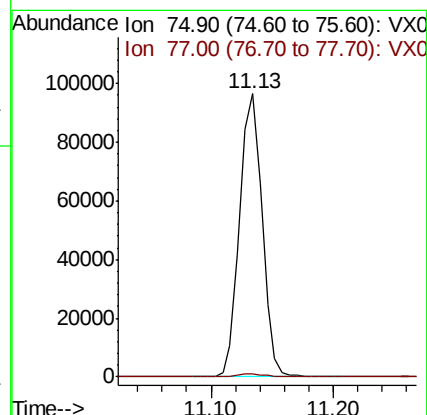
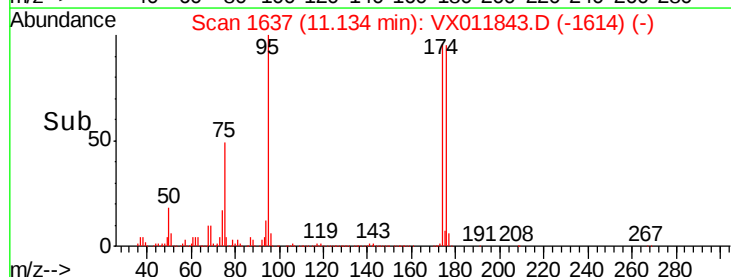
75 100

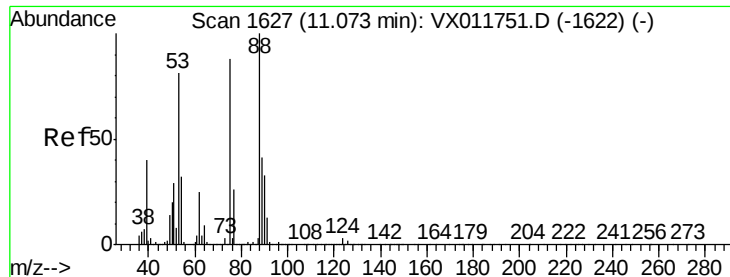
77 1.1 21.1 63.3#



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: 83.860 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011843.D

Acq: 27 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190823

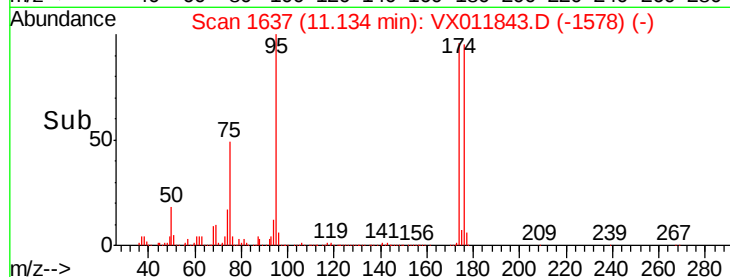
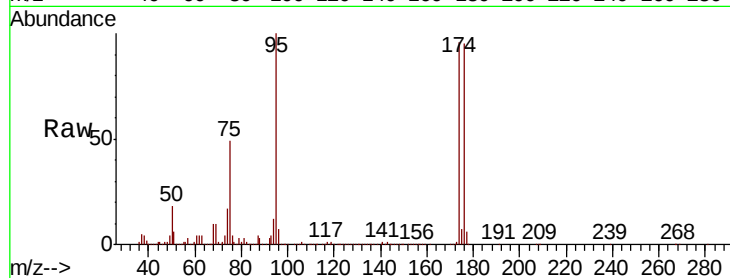
Tgt Ion: 75 Resp: 122968

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.1 38.5 57.7#



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

