

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010665.D
 Acq On : 04 Jul 2019 04:21
 Operator : JC/SP
 Sample : K3664-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-TB-2019-2

Quant Time: Jul 04 05:40:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	230822	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	356783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149840	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	115401	53.32	ug/l	0.00
Spiked Amount						
			Recovery	=	106.64%	
35) Dibromofluoromethane	5.49	113	110050	50.41	ug/l	0.00
Spiked Amount						
			Recovery	=	100.82%	
50) Toluene-d8	8.71	98	424531	50.83	ug/l	0.00
Spiked Amount						
			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	143867	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	

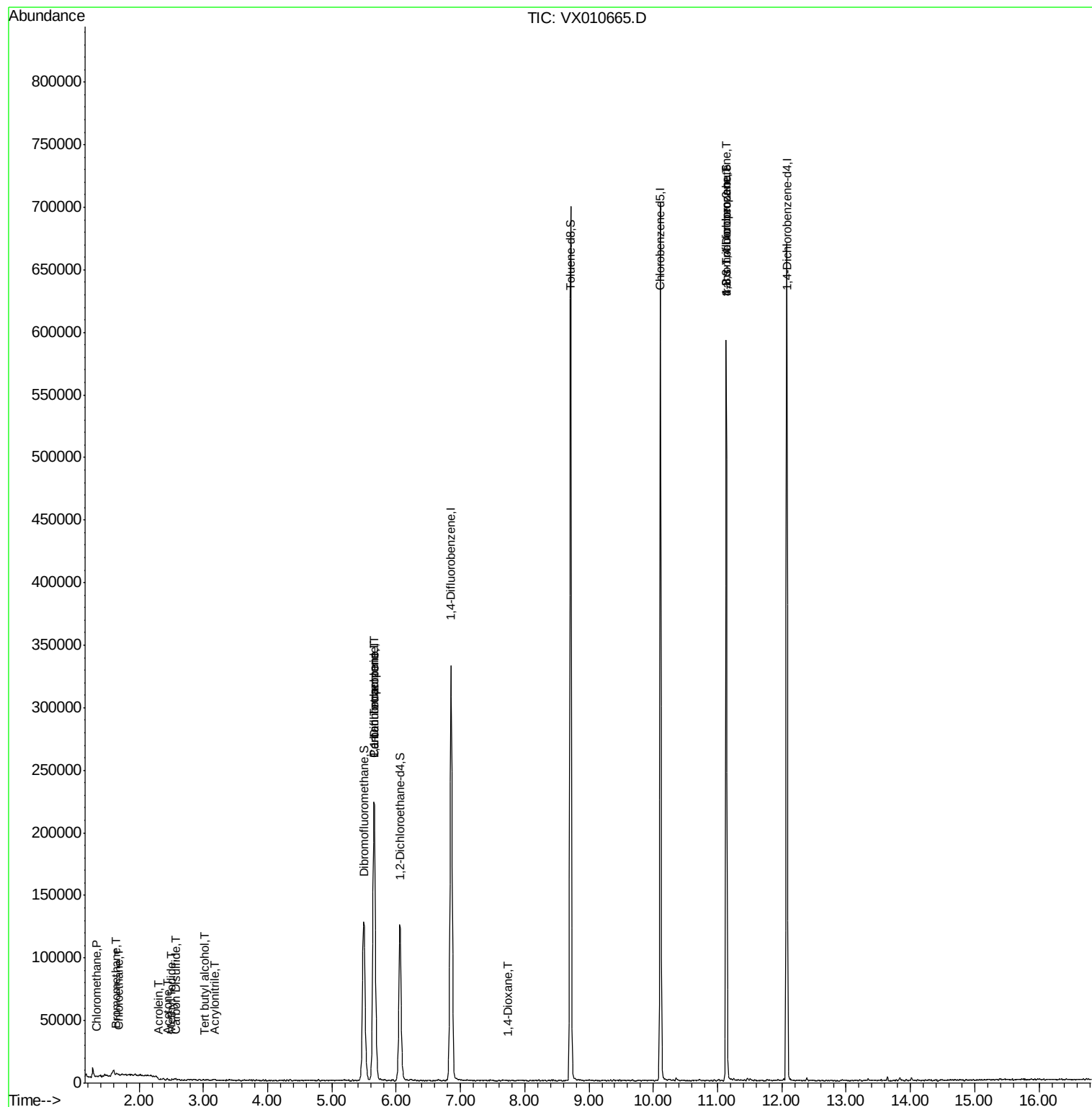
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	519	0.278	ug/l #	61
5) Bromomethane	1.65	94	608	0.610	ug/l	95
6) Chloroethane	1.70	64	685	0.567	ug/l #	87
10) Methyl Iodide	2.51	142	1088	0.388	ug/l #	91
11) Tert butyl alcohol	3.02	59	226	0.399	ug/l #	20
13) Acrolein	2.30	56	404	1.075	ug/l #	77
15) Acrylonitrile	3.17	53	620	0.553	ug/l #	61
16) Acetone	2.43	43	721	0.665	ug/l	92
17) Carbon Disulfide	2.57	76	1546	0.288	ug/l	95
36) 1,1-Dichloropropene	5.66	75	15053	5.309	ug/l #	48
38) Carbon Tetrachloride	5.65	117	21029	6.850	ug/l #	15
49) 1,4-Dioxane	7.73	88	29	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70695	25.891	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70695	60.401	ug/l #	16

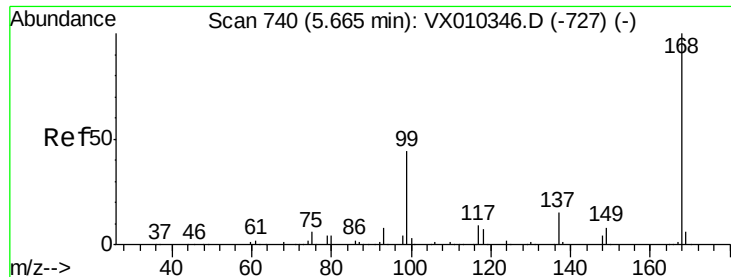
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010665.D

Acq: 04 Jul 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

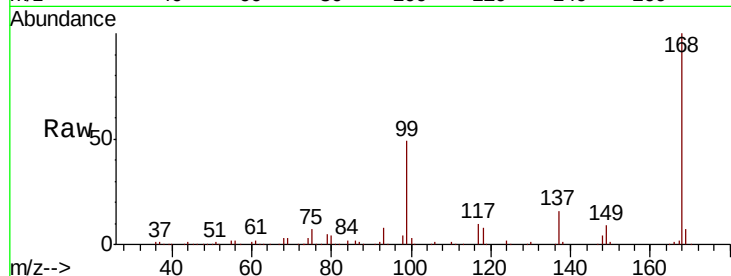
FL-TB-2019-2

Tot Ion:168 Resp: 230822

Ion Ratio Lower Upper

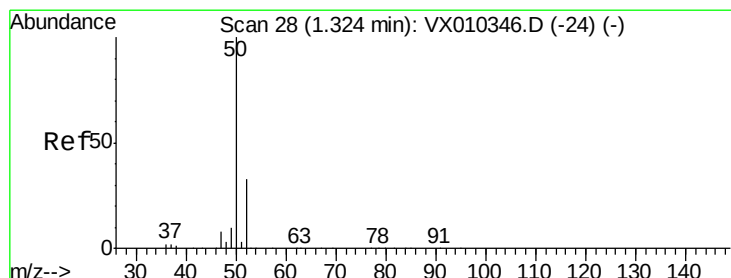
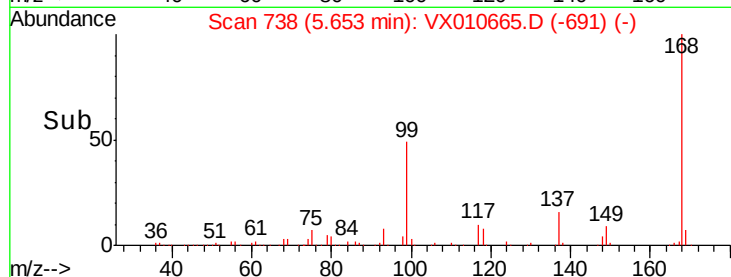
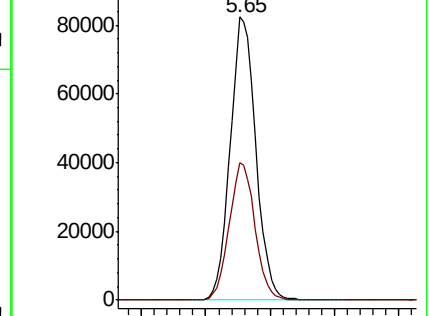
168 100

99 48.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.278 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010665.D

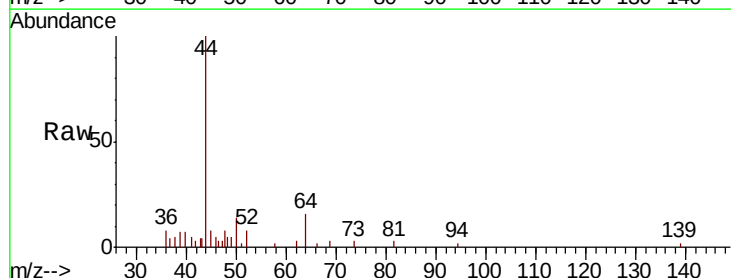
Acq: 04 Jul 2019 04:21

Tgt Ion: 50 Resp: 519

Ion Ratio Lower Upper

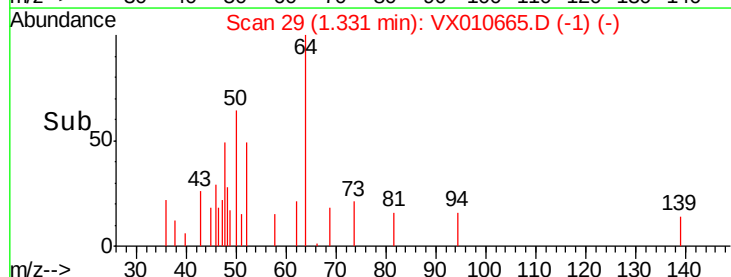
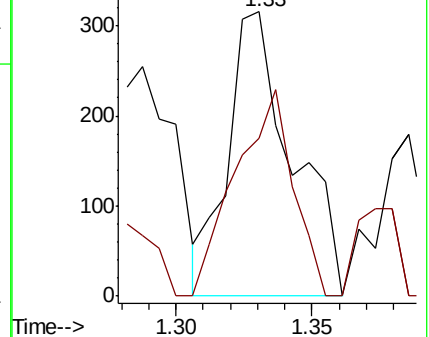
50 100

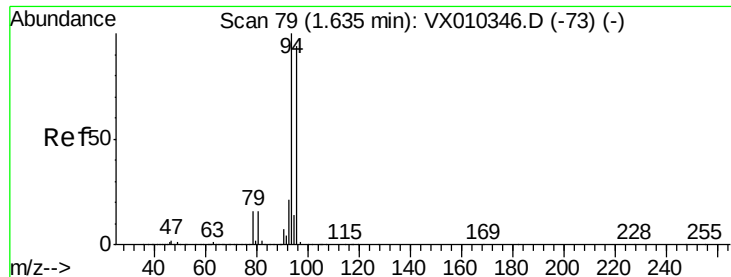
52 55.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.610 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010665.D

Acq: 04 Jul 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

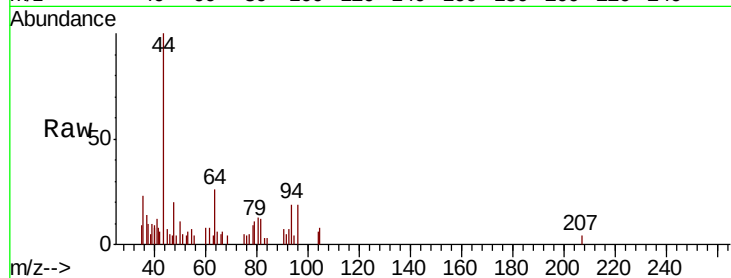
FL-TB-2019-2

Tot Ion: 94 Resp: 608

Ion Ratio Lower Upper

94 100

96 99.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

300

200

100

0

1.60

1.65

1.70

1.75

1.80

1.85

1.90

1.95

2.00

2.05

2.10

2.15

2.20

2.25

2.30

2.35

2.40

2.45

2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.85

3.90

3.95

4.00

4.05

4.10

4.15

4.20

4.25

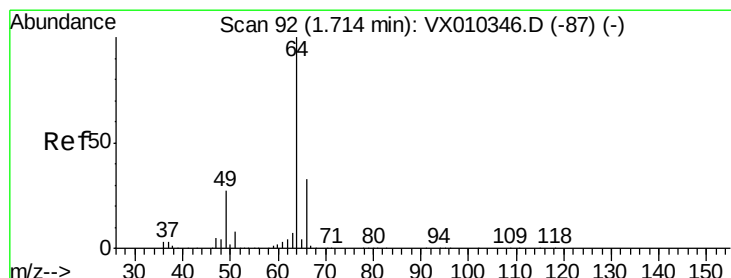
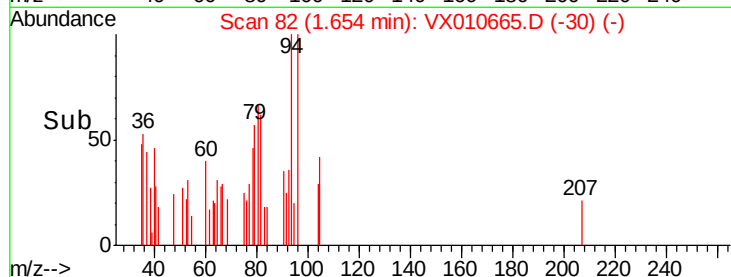
4.30

4.35

4.40

4.45

4.50



#6

Chloroethane

Concen: 0.567 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010665.D

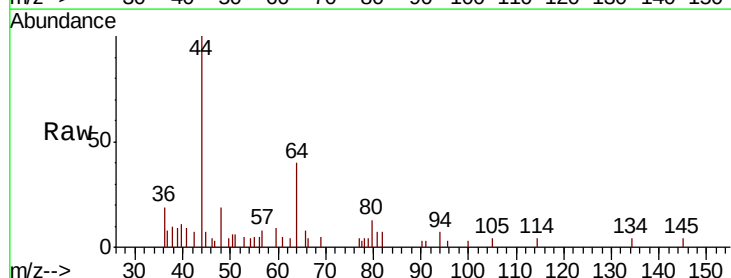
Acq: 04 Jul 2019 04:21

Tgt Ion: 64 Resp: 685

Ion Ratio Lower Upper

64 100

66 41.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

600

400

200

0

1.64

1.66

1.68

1.70

1.72

1.74

1.76

1.78

1.80

1.82

1.84

1.86

1.88

1.90

1.92

1.94

1.96

1.98

2.00

2.02

2.04

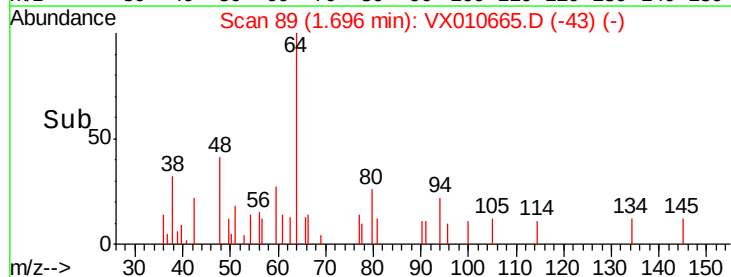
2.06

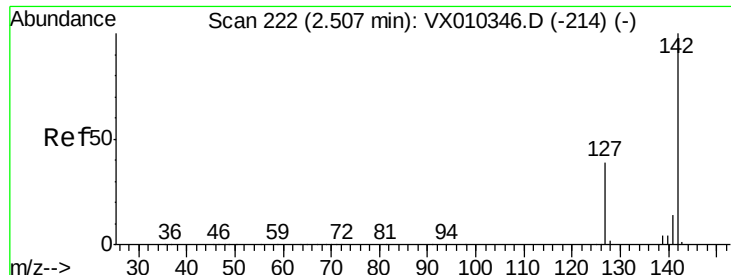
2.08

2.10

2.12

2.14

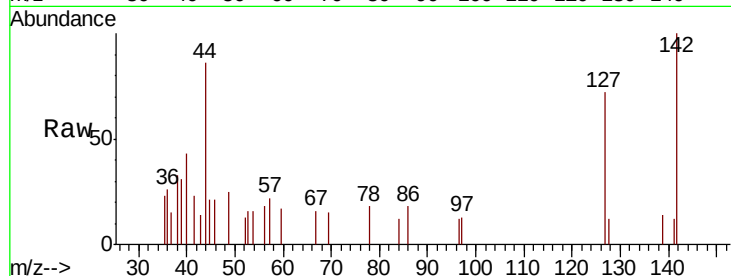




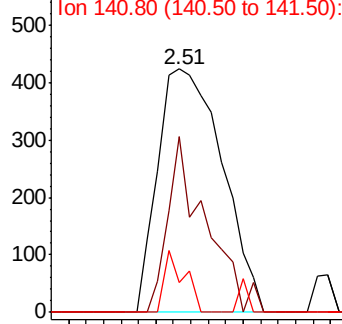
#10
Methvl Iodide
Concen: 0.388 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2019-2

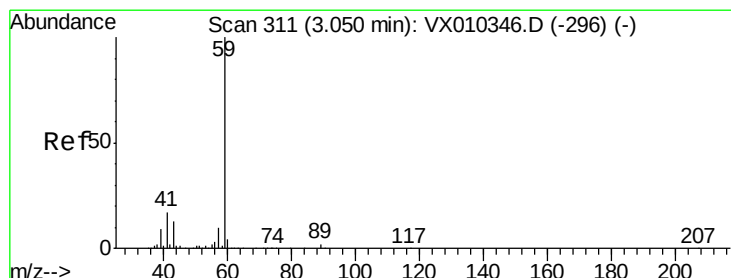
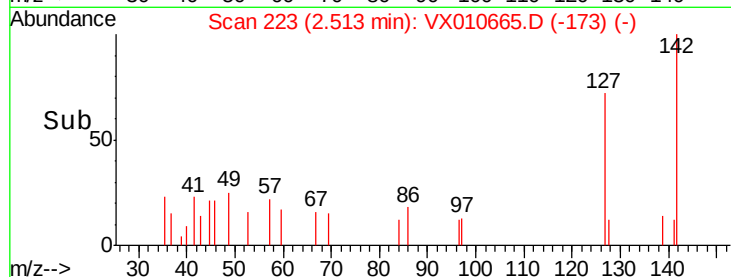
Tot Ion:142 Resp: 1088
Ion Ratio Lower Upper
142 100
127 42.9 31.1 46.7
141 7.7 11.2 16.8#



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

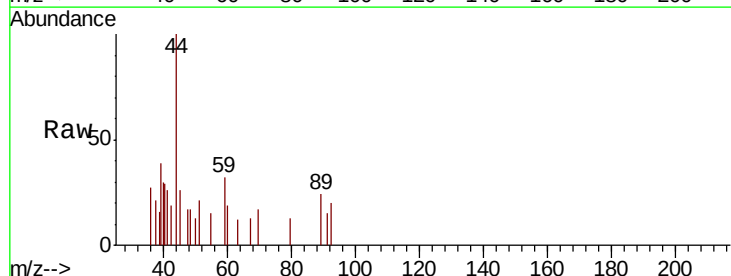


Time--> 2.45 2.50 2.55

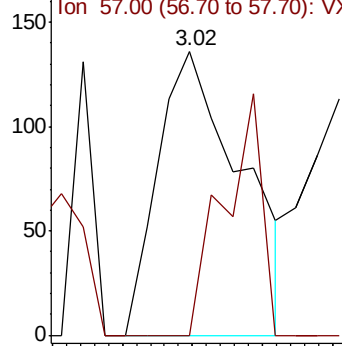


#11
Tert butyl alcohol
Concen: 0.399 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

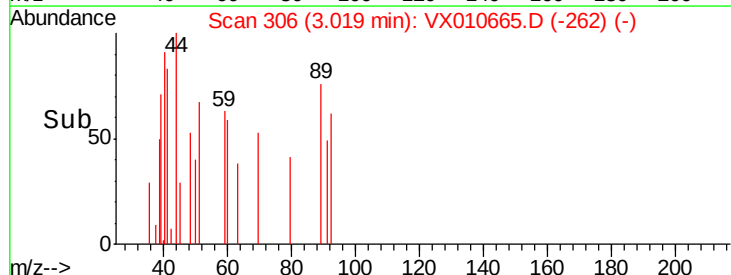
Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 38.9 7.7 11.5#

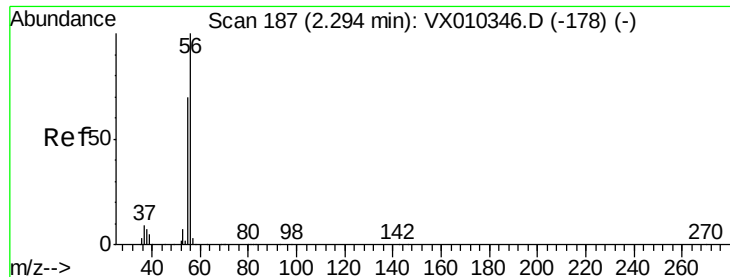


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time--> 2.98 3.00 3.02 3.04





#13

Acrolein

Concen: 1.075 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010665.D

Acq: 04 Jul 2019 04:21

Instrument :

MSVOA_X

ClientSampled :

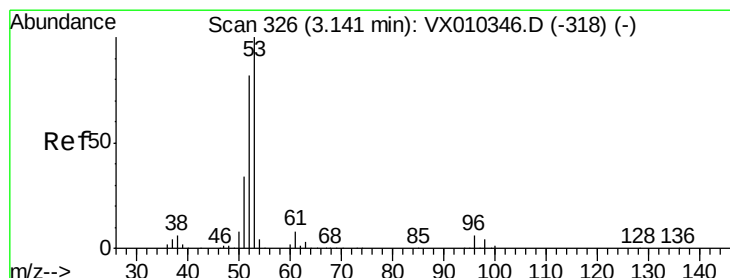
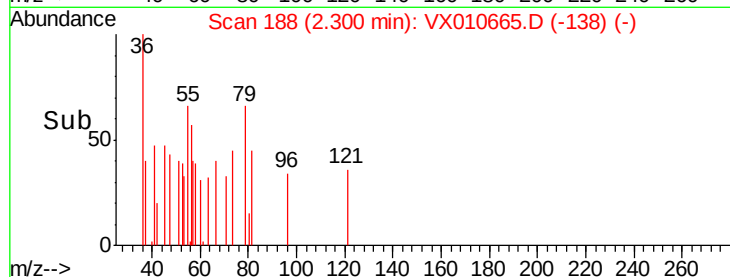
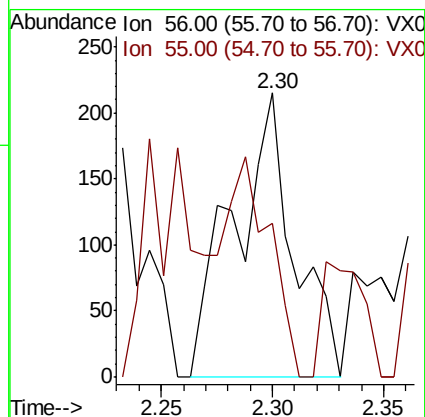
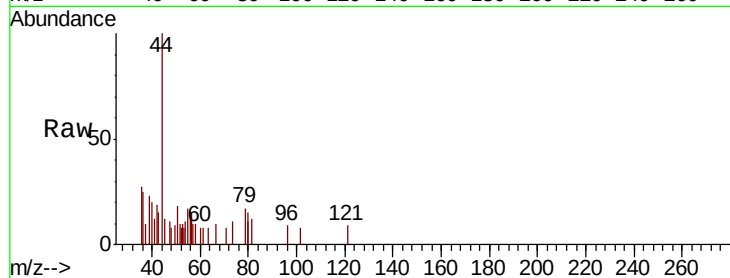
FL-TB-2019-2

Tot Ion: 56 Resp: 404

Ion Ratio Lower Upper

56 100

55 52.5 56.9 85.3#



#15

Acrylonitrile

Concen: 0.553 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX010665.D

Acq: 04 Jul 2019 04:21

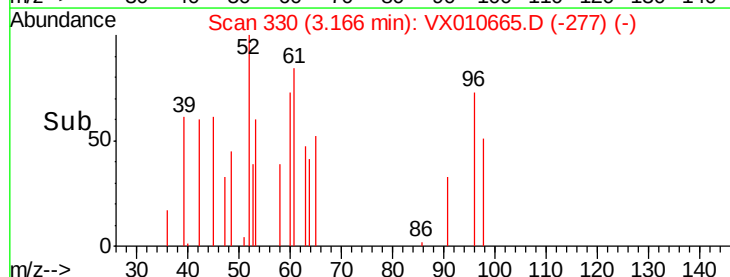
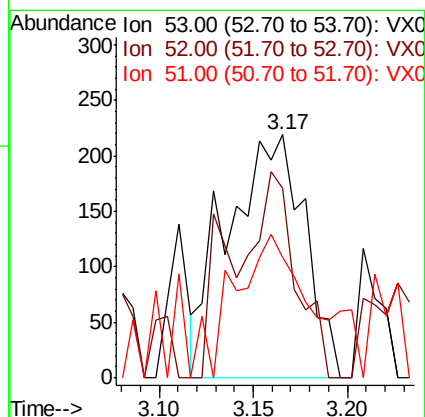
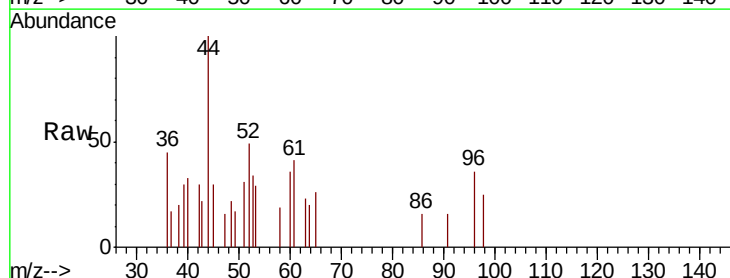
Tgt Ion: 53 Resp: 620

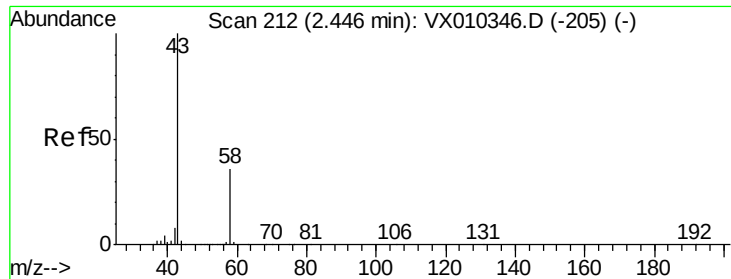
Ion Ratio Lower Upper

53 100

52 47.3 65.5 98.3#

51 58.2 28.2 42.4#





#16

Acetone

Concen: 0.665 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010665.D

Acq: 04 Jul 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

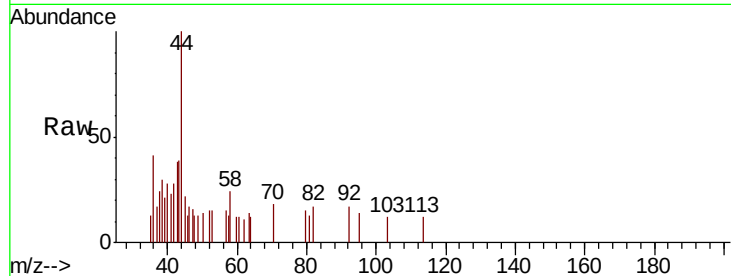
FL-TB-2019-2

Tot Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

58 31.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

300

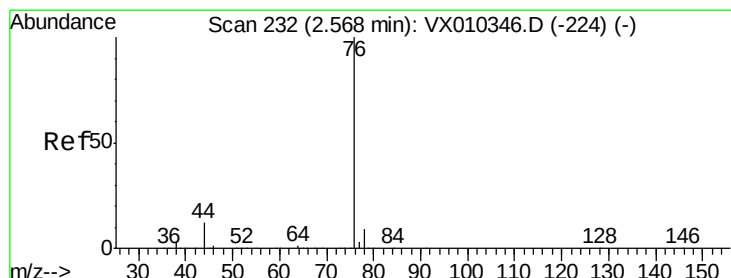
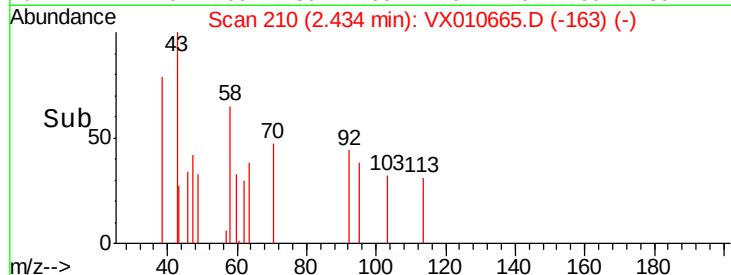
200

100

0

2.40 2.45

Time-->



#17

Carbon Disulfide

Concen: 0.288 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010665.D

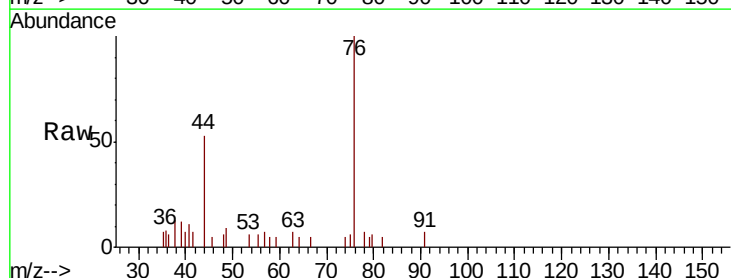
Acq: 04 Jul 2019 04:21

Tgt Ion: 76 Resp: 1546

Ion Ratio Lower Upper

76 100

78 7.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1200

1000

800

600

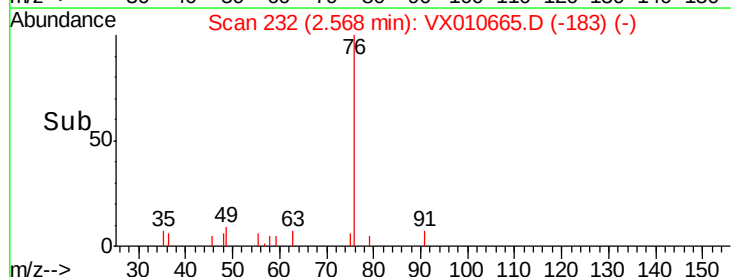
400

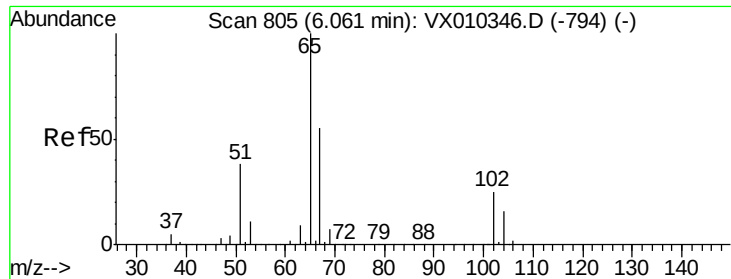
200

0

2.55 2.60

Time-->

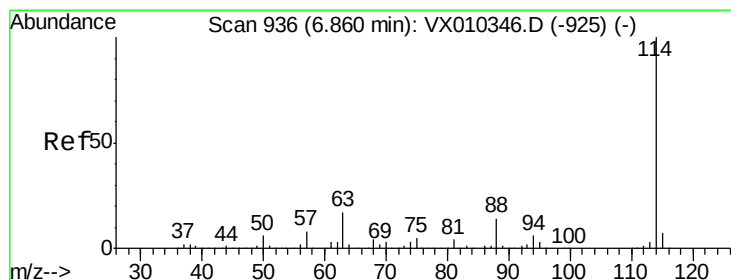
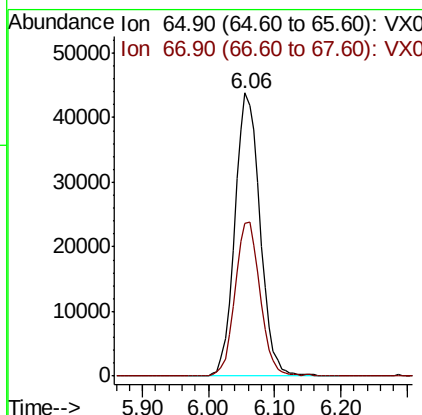
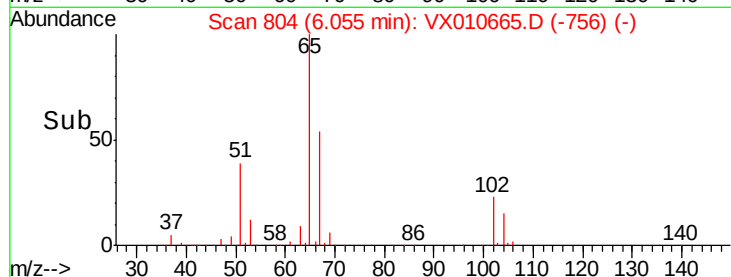
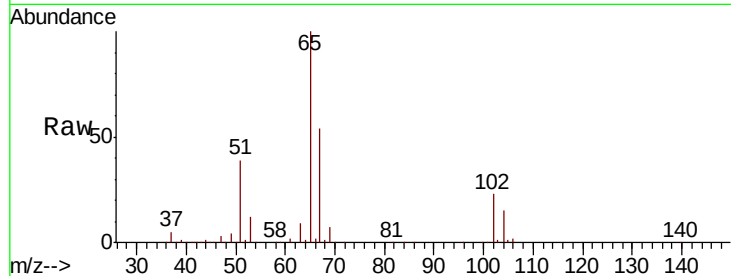




#33
 1,2-Dichloroethane-d4
 Concen: 53.323 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010665.D
 Acq: 04 Jul 2019 04:21

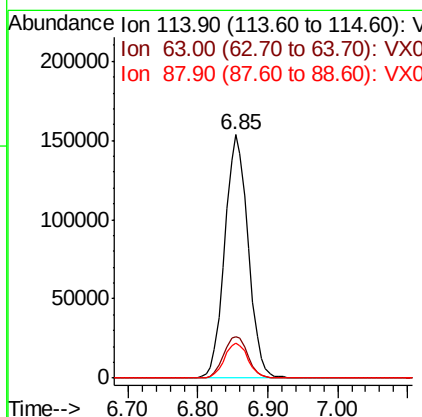
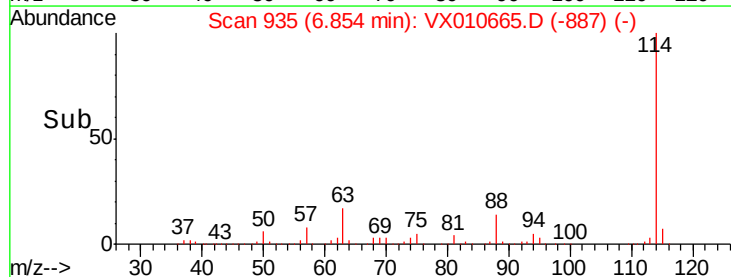
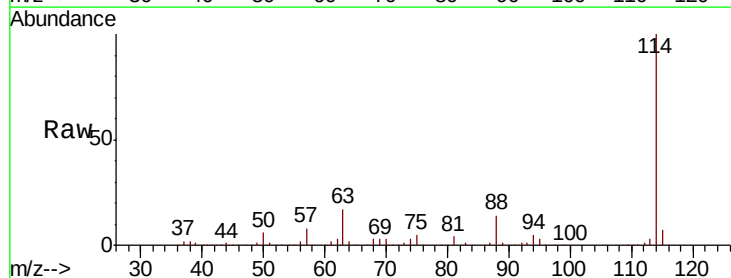
Instrument :
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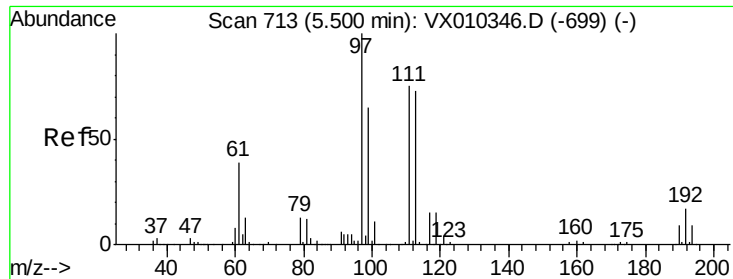
Tot Ion: 65 Resp: 115401
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010665.D
 Acq: 04 Jul 2019 04:21

Tgt Ion: 114 Resp: 356783
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.8
 88 14.2 0.0 27.6

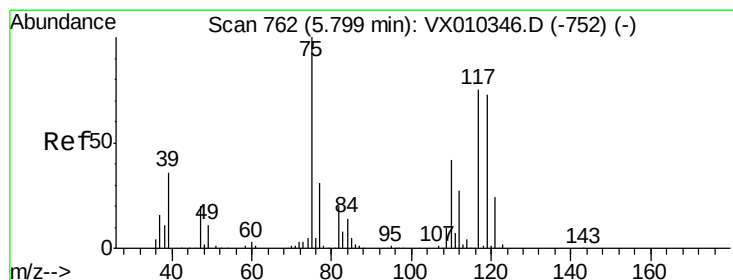
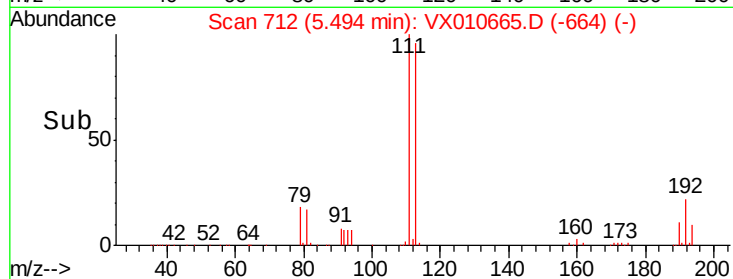
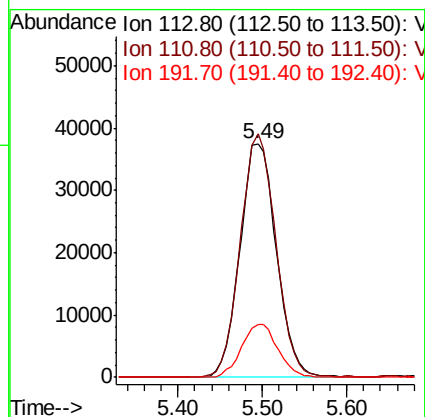
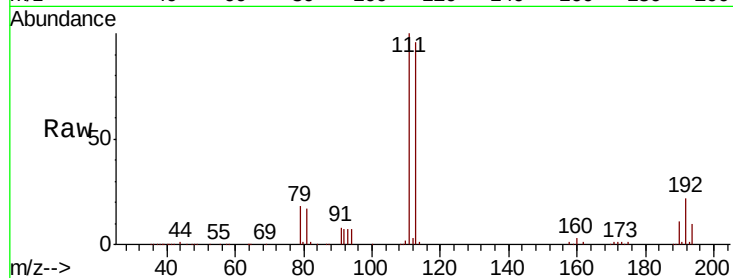




#35
 Dibromofluoromethane
 Concen: 50.414 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010665.D
 Acq: 04 Jul 2019 04:21

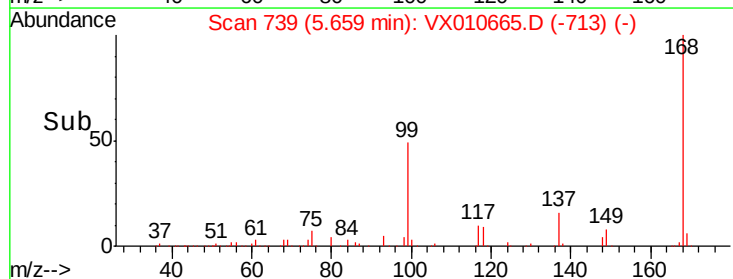
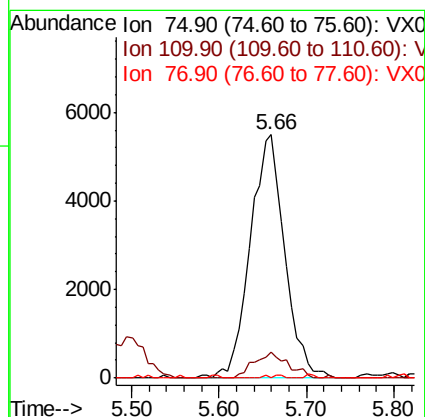
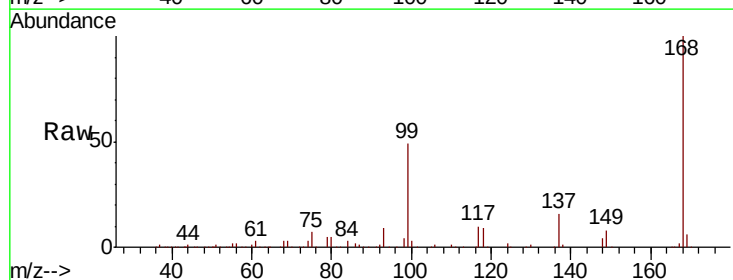
Instrument :
 MSVOA_X
 ClientSampled :
 FL-TB-2019-2

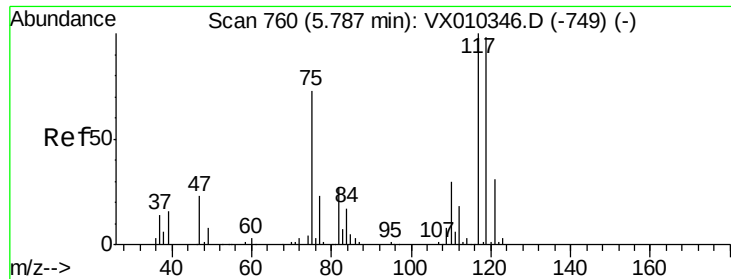
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.2	121.8
192	22.6	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.309 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010665.D
 Acq: 04 Jul 2019 04:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.8	62.2#
77	0.5	25.4	38.0#

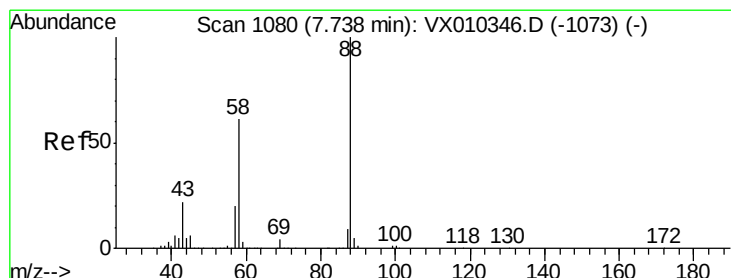
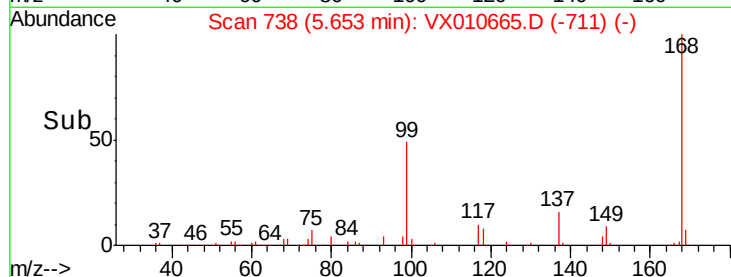
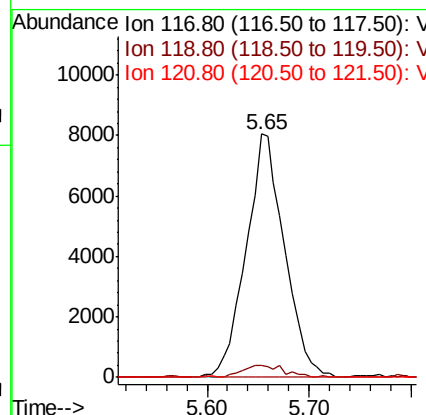
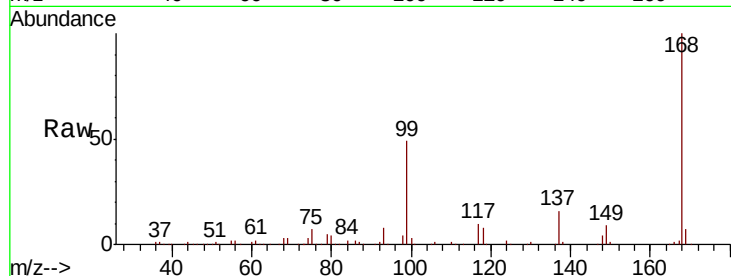




#38
Carbon Tetrachloride
Concen: 6.850 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

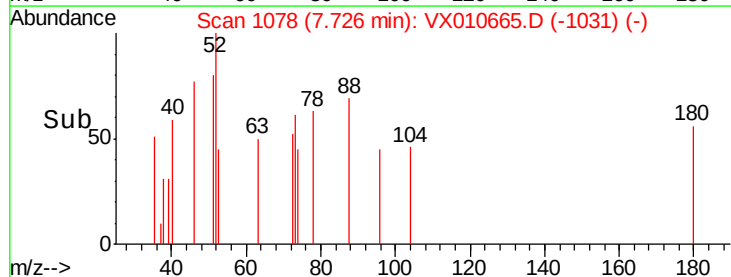
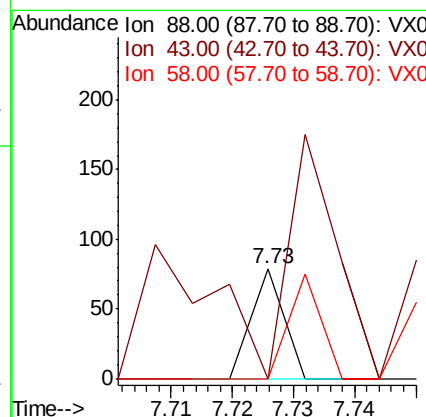
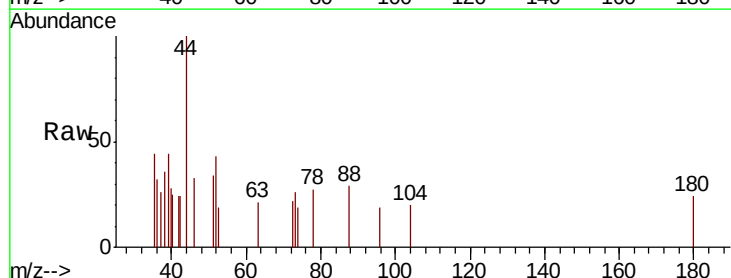
Instrument :
MSVOA_X
ClientSampled :
FL-TB-2019-2

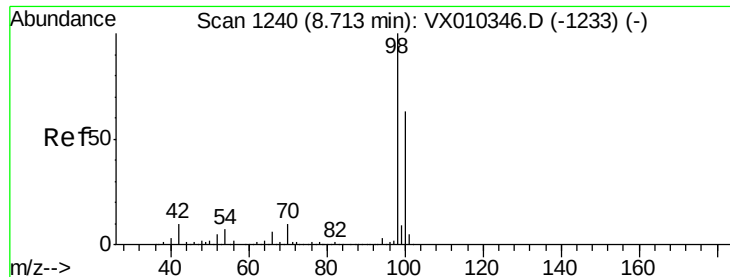
Tot Ion:117 Resp: 21029
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.4#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.449 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 324.1 20.2 30.2#
58 93.1 49.5 74.3#

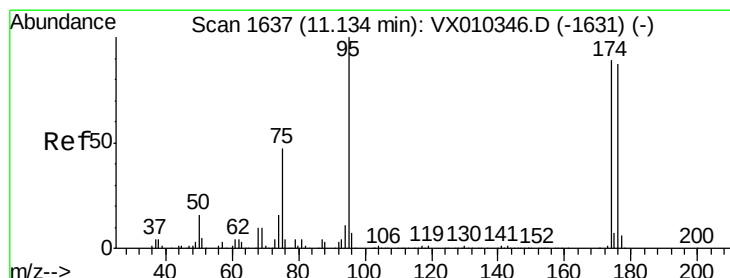
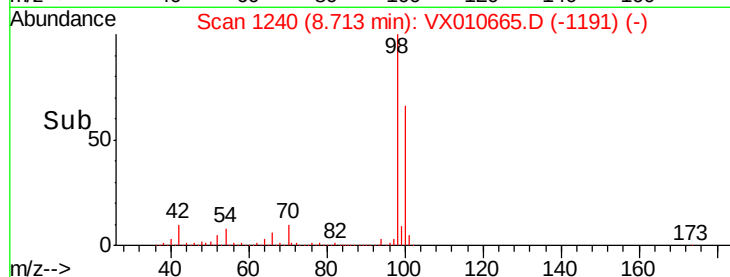
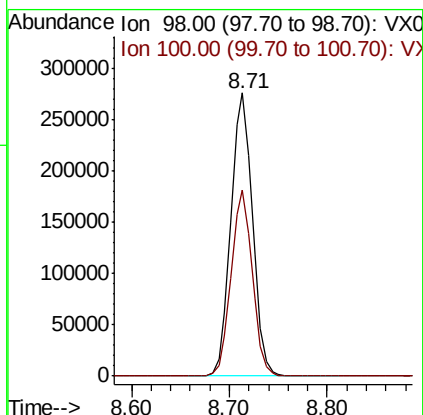
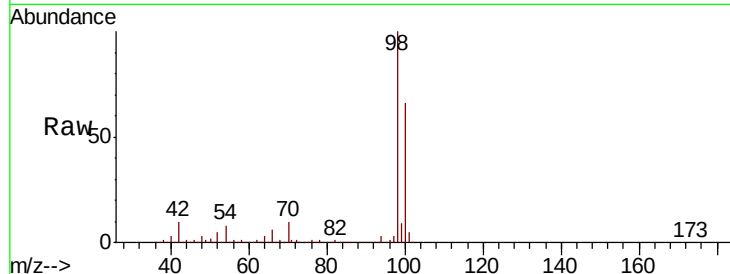




#50
Toluene-d8
Concen: 50.833 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

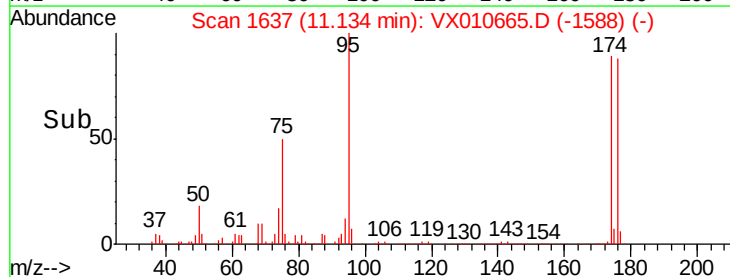
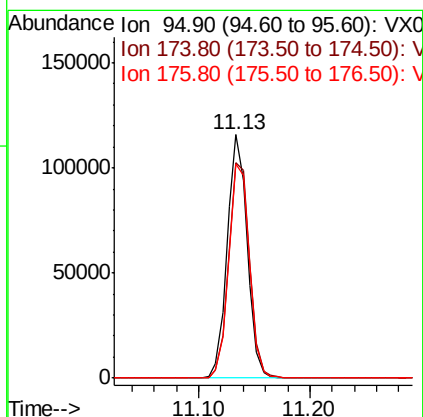
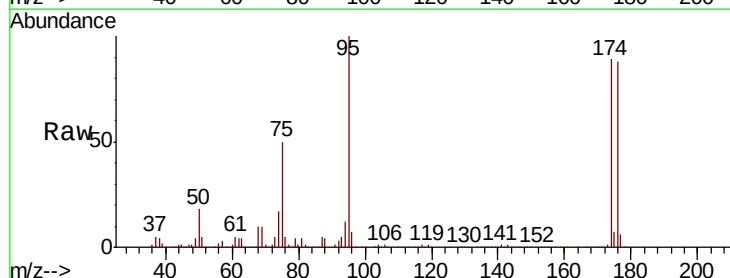
Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2019-2

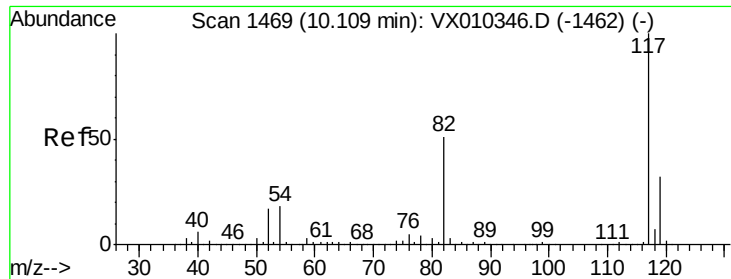
Tot Ion: 98 Resp: 424531
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

Tgt Ion: 95 Resp: 143867
Ion Ratio Lower Upper
95 100
174 92.7 0.0 187.6
176 91.1 0.0 184.0

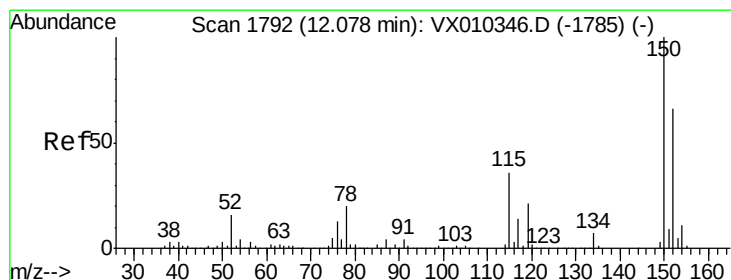
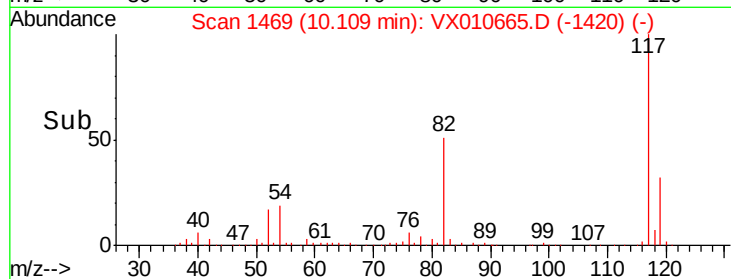
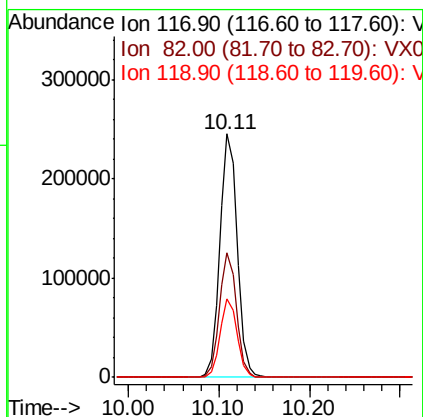
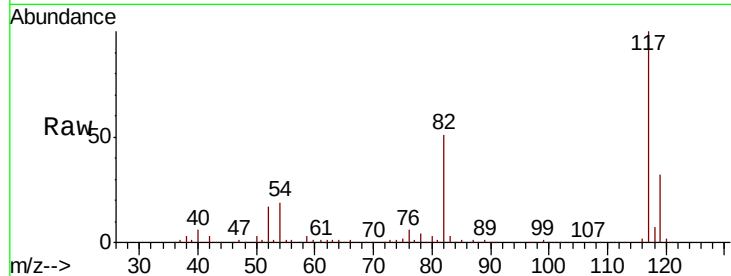




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

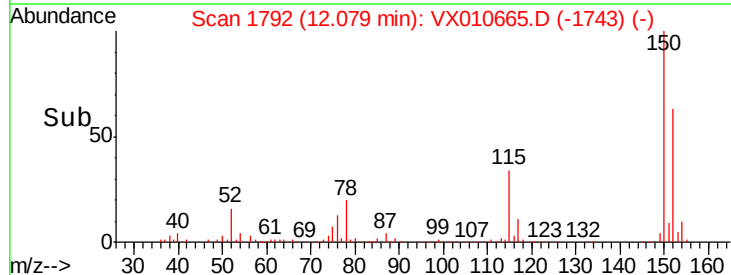
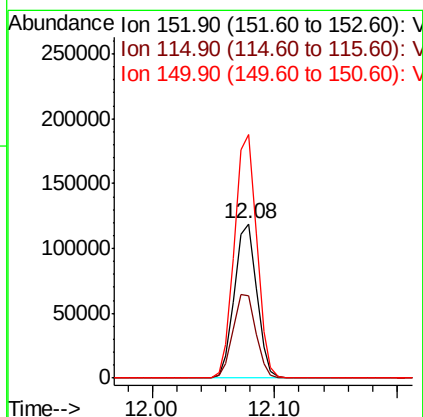
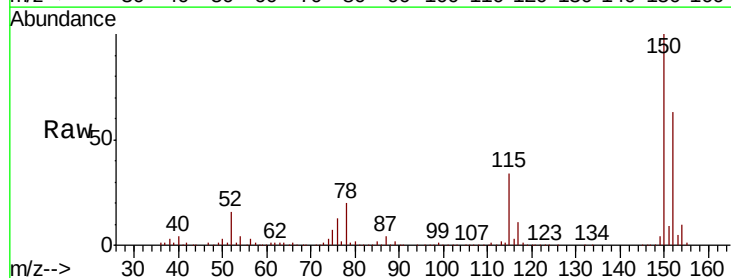
Instrument :
MSVOA_X
ClientSampled :
FL-TB-2019-2

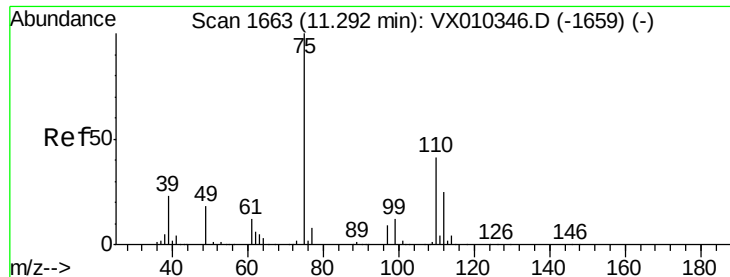
Tot Ion:117 Resp: 327678
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010665.D
Acq: 04 Jul 2019 04:21

Tgt Ion:152 Resp: 149840
Ion Ratio Lower Upper
152 100
115 55.7 38.6 115.7
150 157.6 0.0 347.4

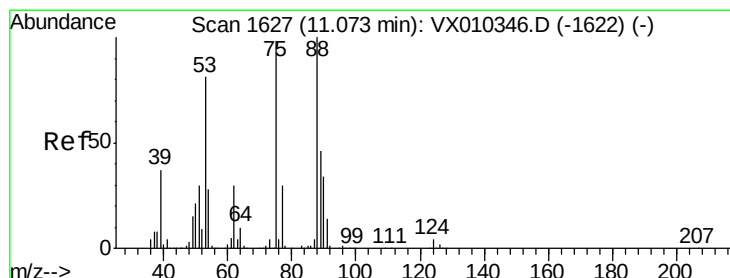
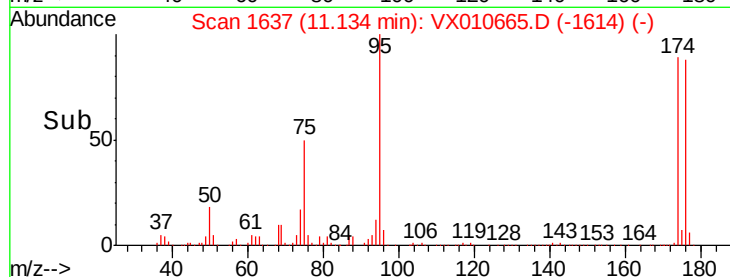
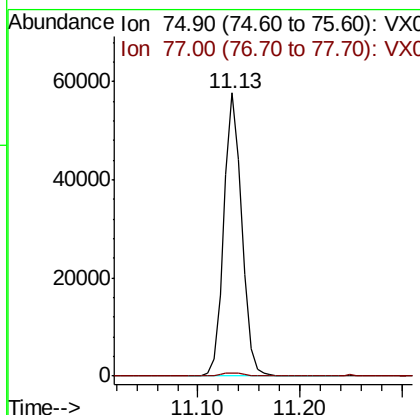
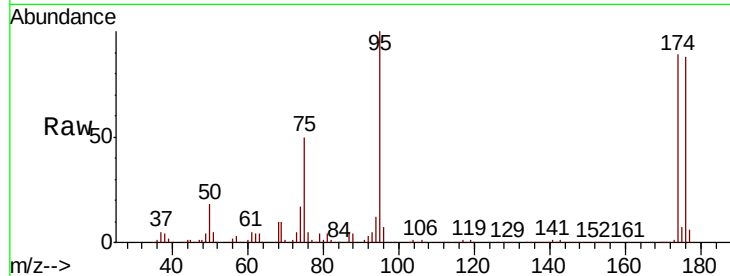




#76
 1,2,3-Trichloropropane
 Concen: 25.891 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010665.D
 Acq: 04 Jul 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-TB-2019-2

Tot Ion: 75 Resp: 70695
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.401 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010665.D
 Acq: 04 Jul 2019 04:21

Tgt Ion: 75 Resp: 70695
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

