

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009352.D
 Acq On : 06 May 2019 15:52
 Operator : JC/SP
 Sample : K2697-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-20190502

Quant Time: May 07 06:36:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	189243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115058	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	124465	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	5.50	113	93202	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	377429	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.13	95	125877	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	

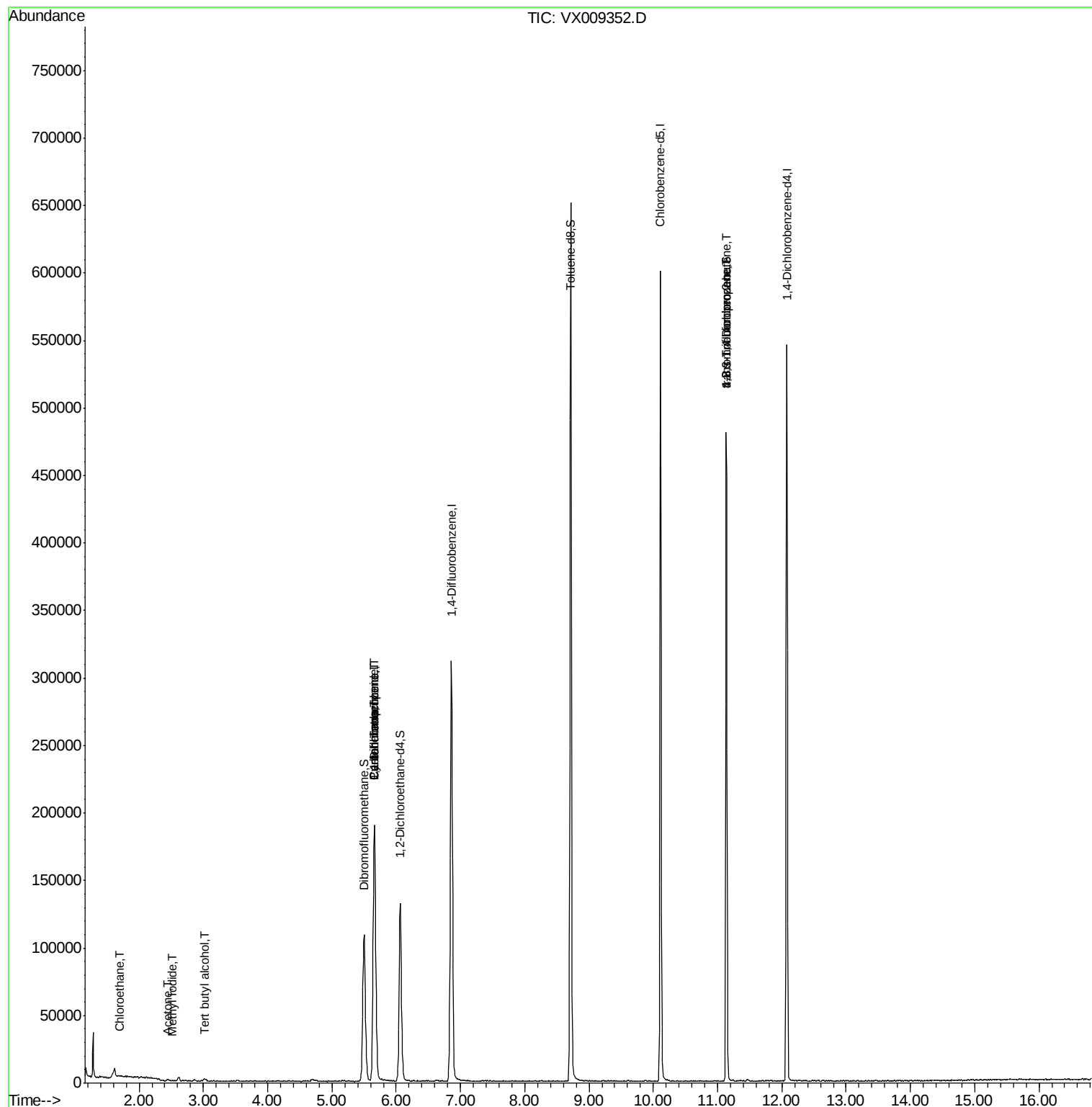
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	2911	1.953	ug/l #	43
10) Methyl Iodide	2.52	142	43	4.613	ug/l #	81
11) Tert butyl alcohol	3.02	59	1322	2.211	ug/l #	73
16) Acetone	2.44	43	1466	1.057	ug/l #	82
28) Bromochloromethane	5.01	49	54	Below Cal	#	20
31) Cyclohexane	5.66	56	3967	1.039	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14364	5.089	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17535	6.838	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	64031	23.991	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64031	61.385	ug/l #	10

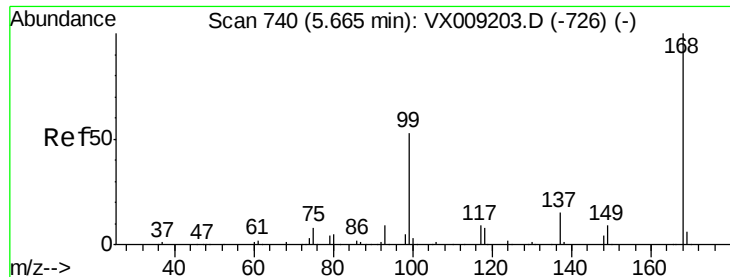
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009352.D

Acq: 06 May 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

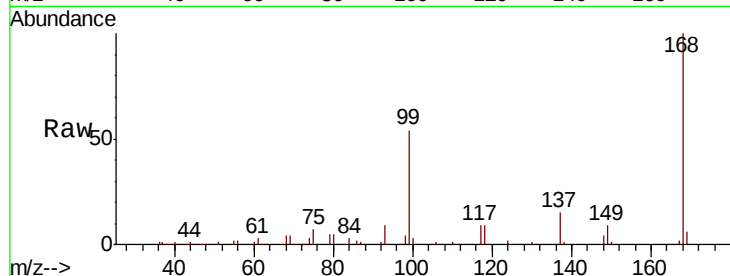
EB-20190502

Tot Ion:168 Resp: 189243

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

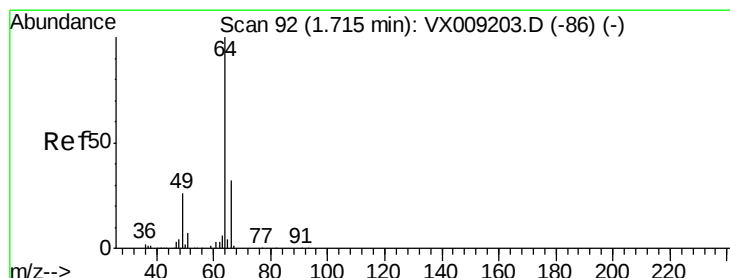
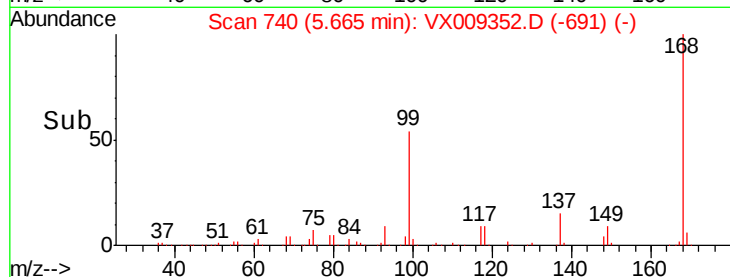
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.953 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX009352.D

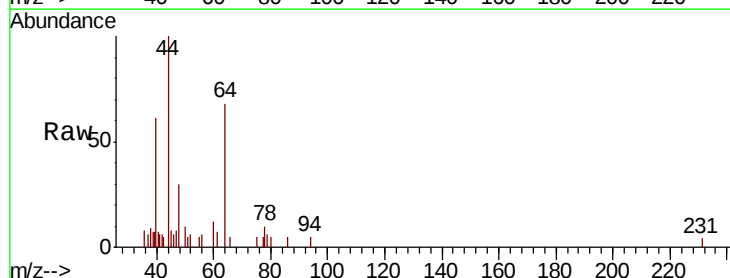
Acq: 06 May 2019 15:52

Tgt Ion: 64 Resp: 2911

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

1200

1000

800

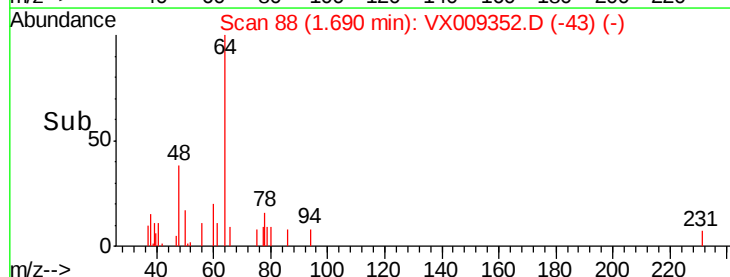
600

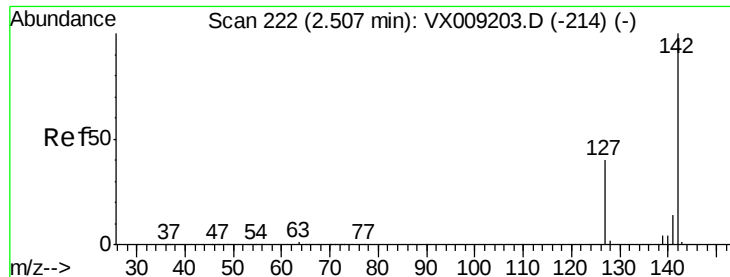
400

200

0

Time--> 1.50 1.60 1.70

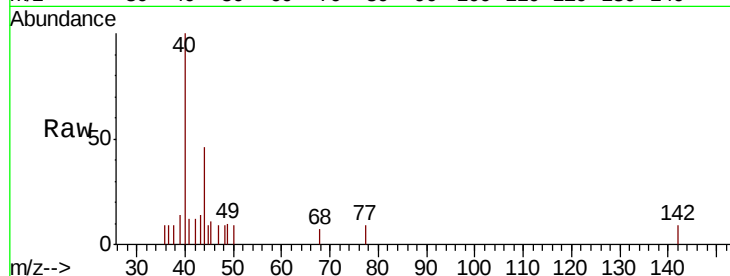




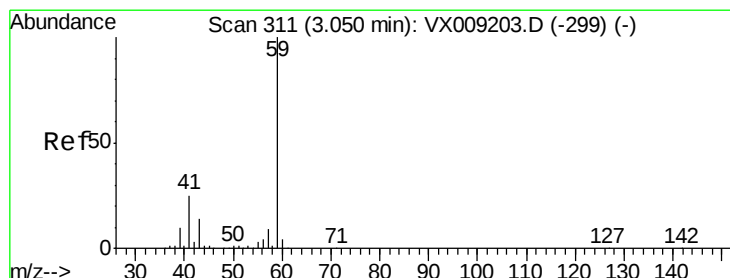
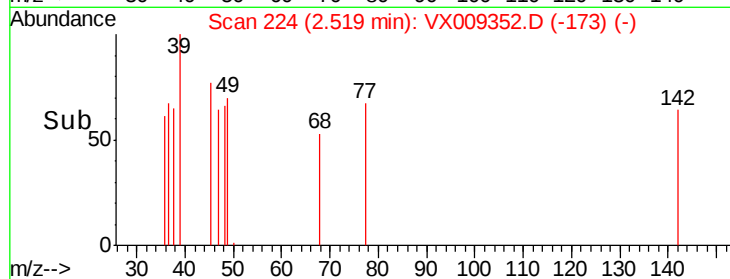
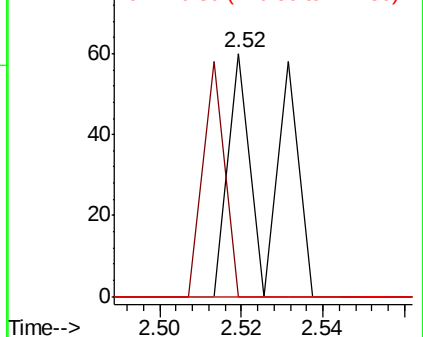
#10
Methvl Iodide
Concen: 4.613 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

Instrument :
MSVOA_X
ClientSampleId :
EB-20190502

Tot Ion:142 Resp: 43
Ion Ratio Lower Upper
142 100
127 48.8 32.7 49.1
141 0.0 11.5 17.3#

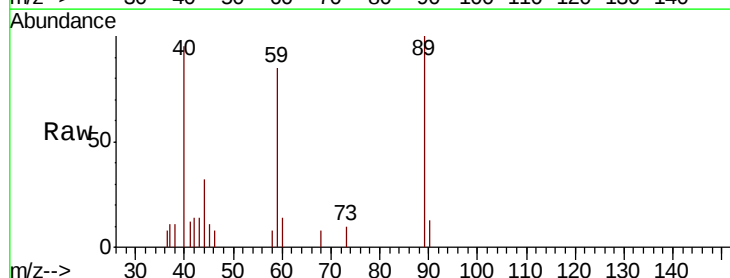


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

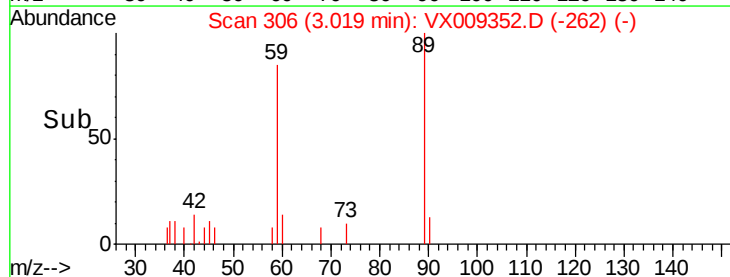
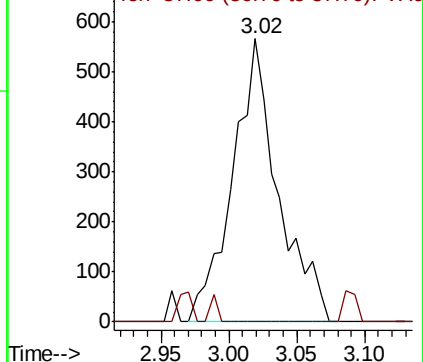


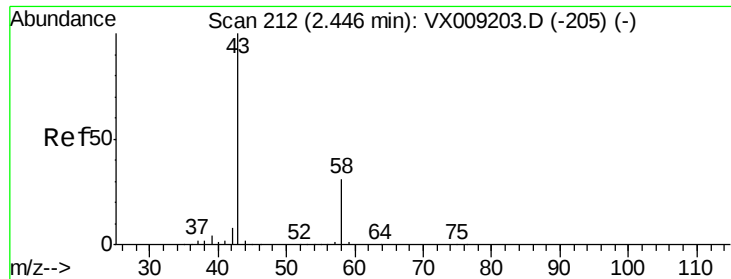
#11
Tert butyl alcohol
Concen: 2.211 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

Tgt Ion: 59 Resp: 1322
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



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





#16

Acetone

Concen: 1.057 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009352.D

Acq: 06 May 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

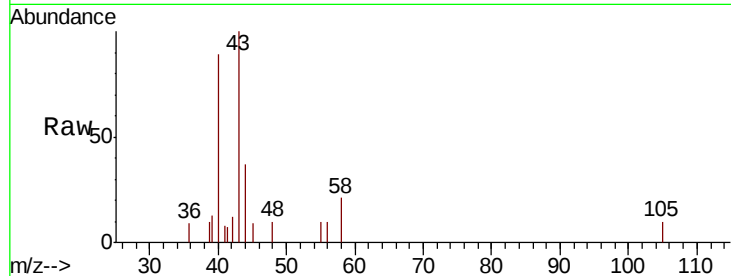
EB-20190502

Tot Ion: 43 Resp: 1466

Ion Ratio Lower Upper

43 100

58 21.4 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

800

600

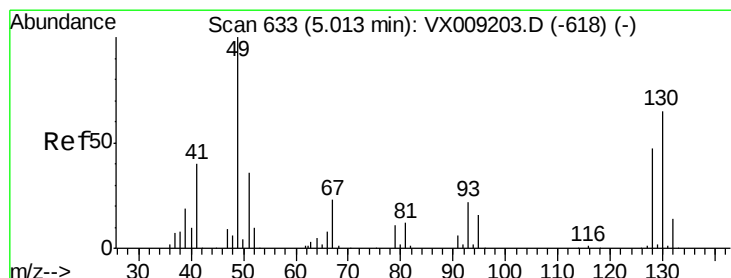
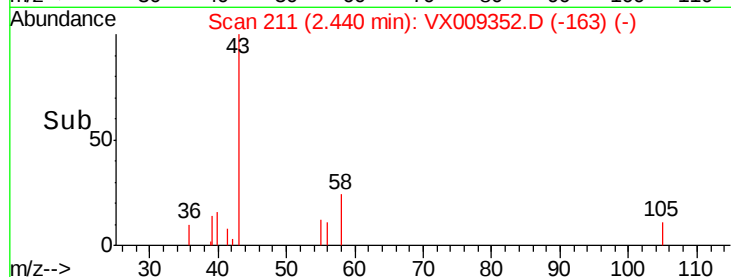
400

200

0

2.40 2.45 2.50

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009352.D

Acq: 06 May 2019 15:52

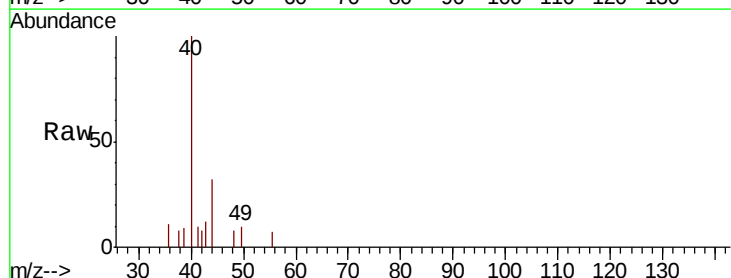
Tgt Ion: 49 Resp: 54

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

100

80

60

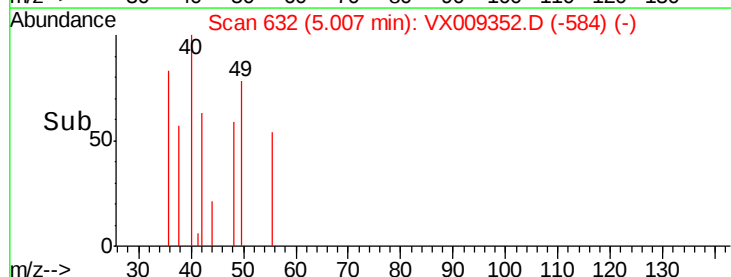
40

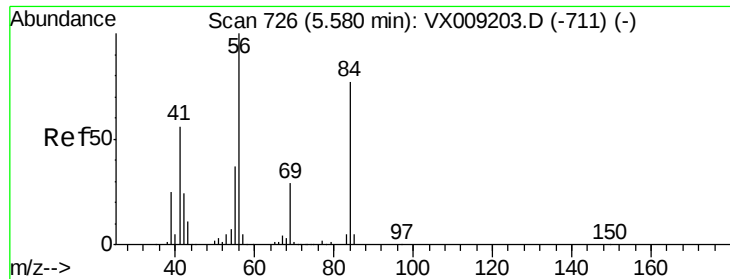
20

0

4.98 5.00 5.02

Time-->

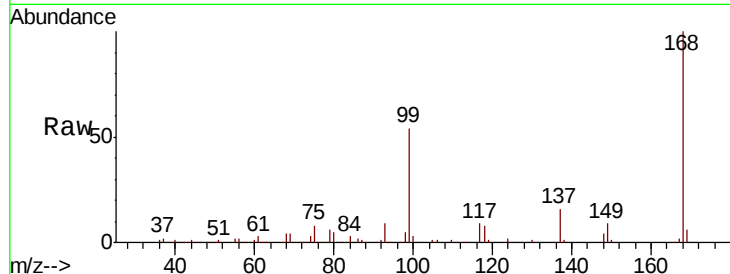




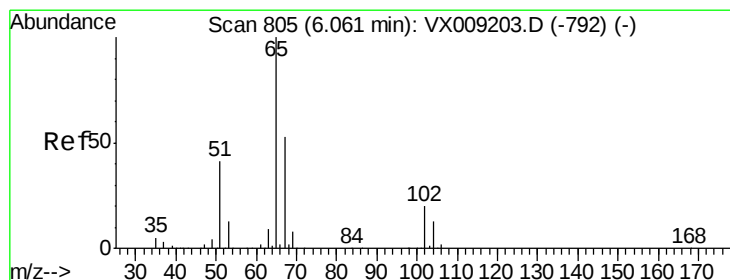
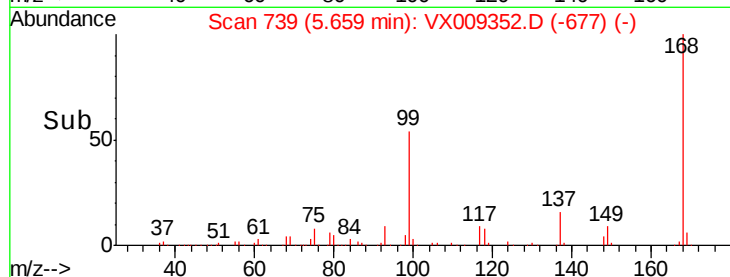
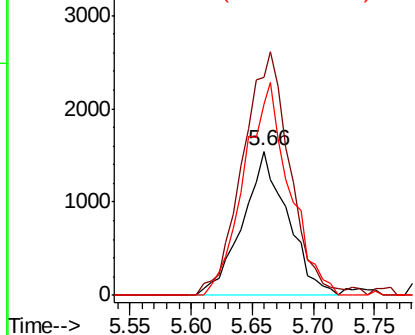
#31
Cyclohexane
Concen: 1.039 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

Instrument :
MSVOA_X
ClientSampleId :
EB-20190502

Tot Ion	56	Resp	3967
Ion Ratio	Lower	Upper	
56	100		
69	151.2	23.4	35.0#
84	132.5	61.9	92.9#

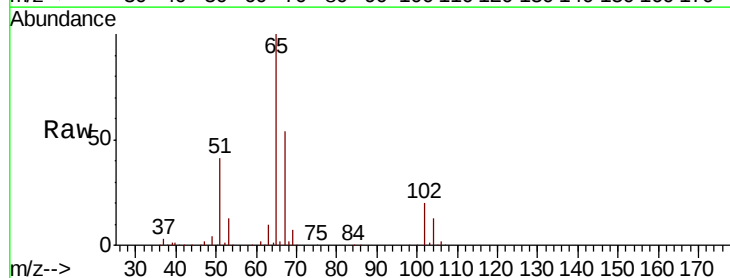


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

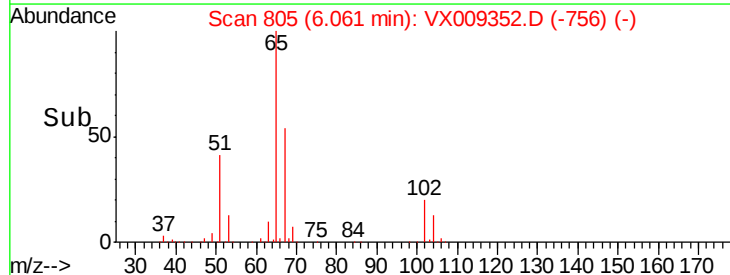
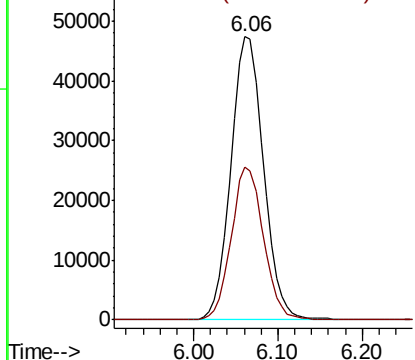


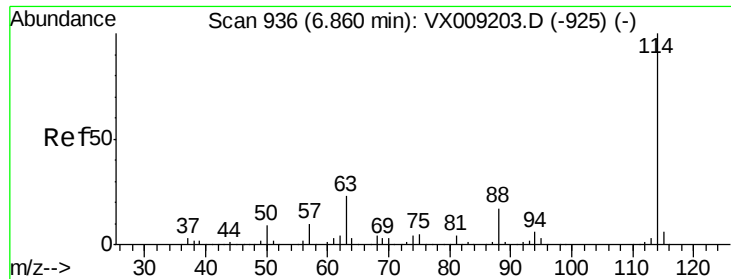
#33
1,2-Dichloroethane-d4
Concen: 48.179 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

Tgt Ion	65	Resp	124465
Ion Ratio	Lower	Upper	
65	100		
67	53.3	0.0	106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

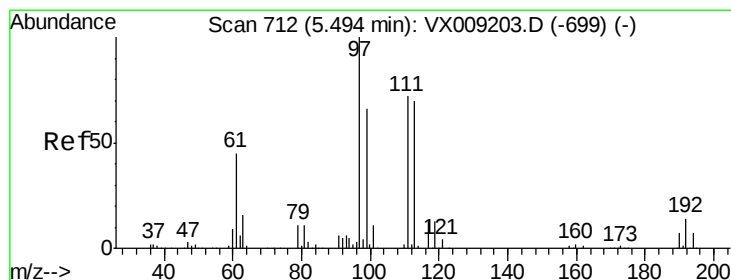
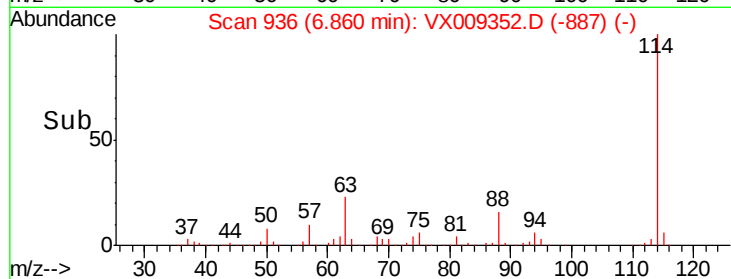
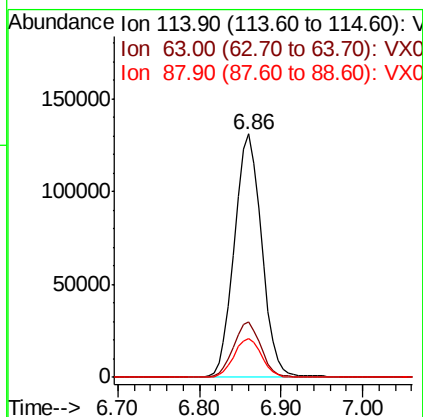
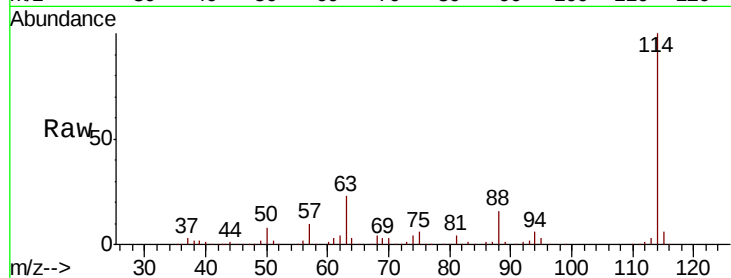




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009352.D
 Acq: 06 May 2019 15:52

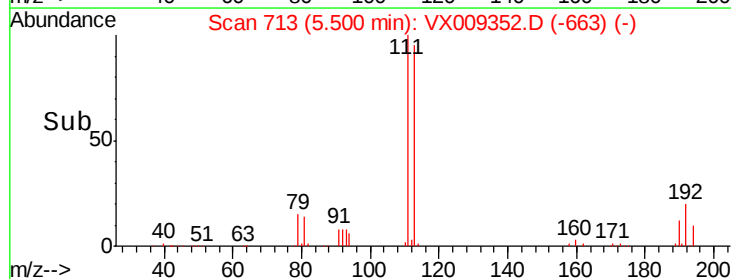
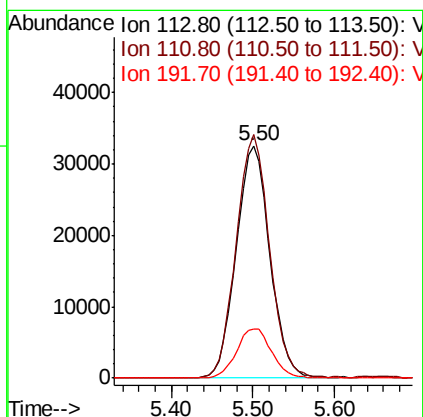
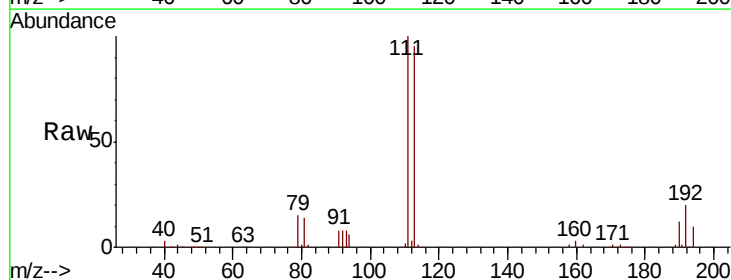
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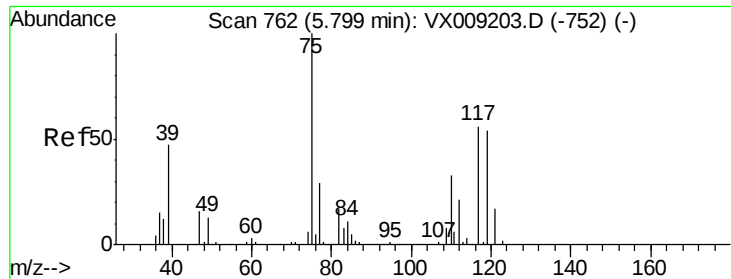
Tot Ion:114 Resp: 303728
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.1 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.813 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009352.D
 Acq: 06 May 2019 15:52

Tgt Ion:113 Resp: 93202
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.8 124.2
 192 21.9 17.0 25.6

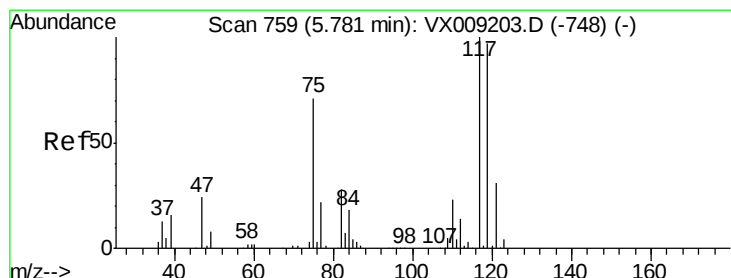
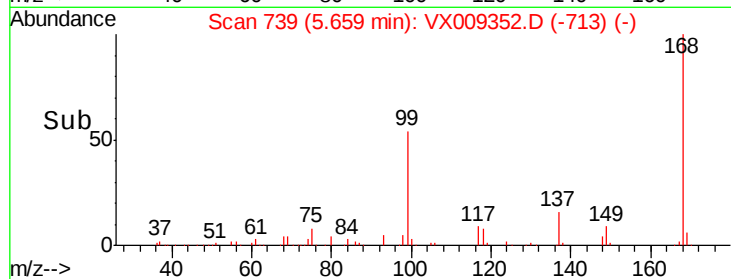
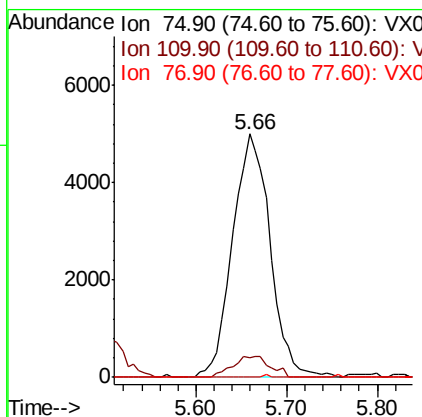
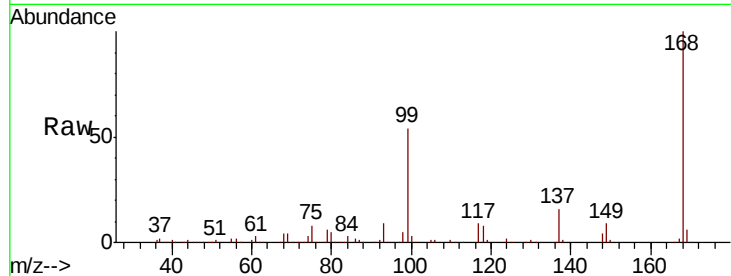




#36
 1,1-Dichloropropene
 Concen: 5.089 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009352.D
 Acq: 06 May 2019 15:52

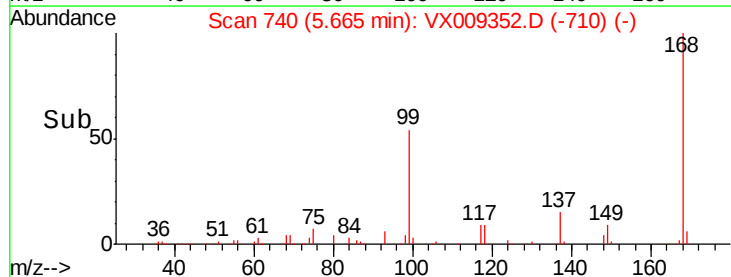
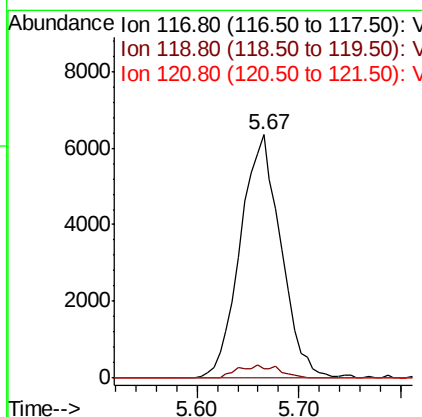
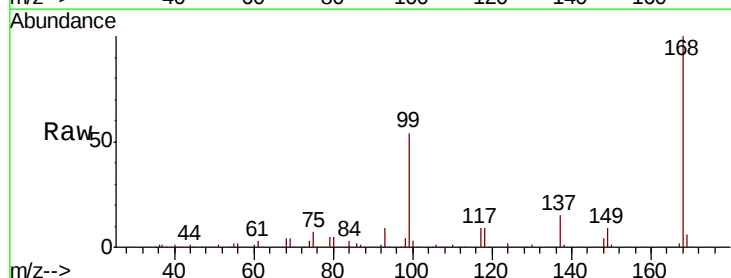
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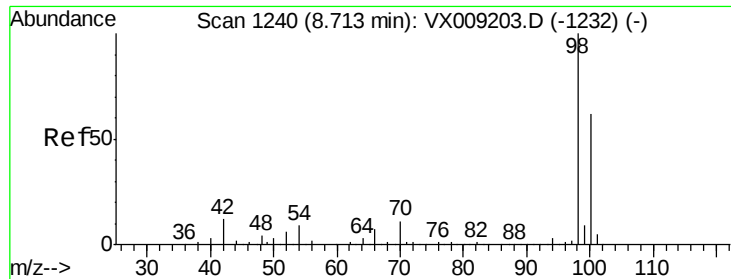
Tot Ion: 75 Resp: 14364
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.838 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009352.D
 Acq: 06 May 2019 15:52

Tgt Ion: 117 Resp: 17535
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.5 116.3#
 121 0.0 24.7 37.1#

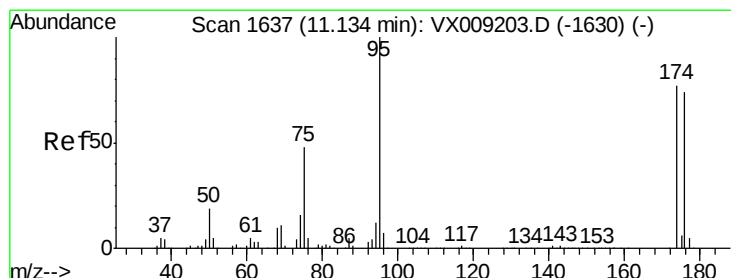
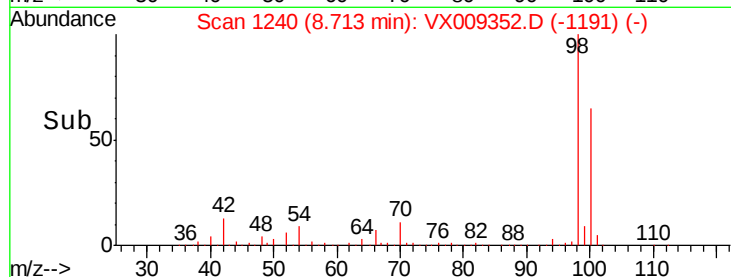
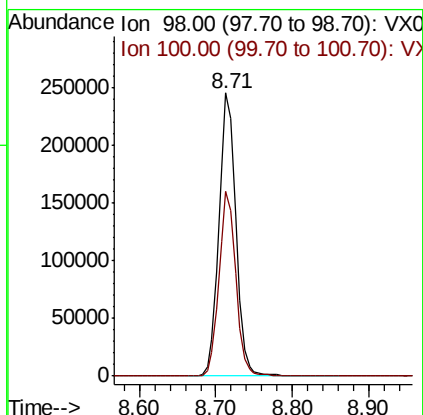
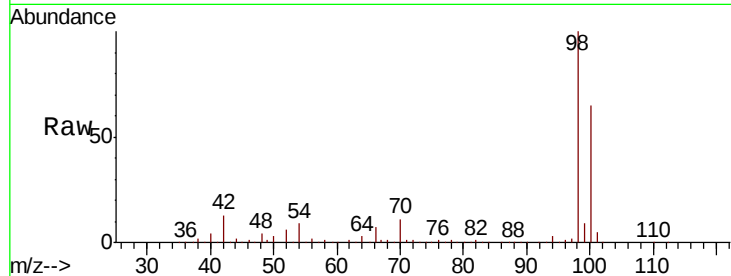




#50
Toluene-d8
Concen: 48.962 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

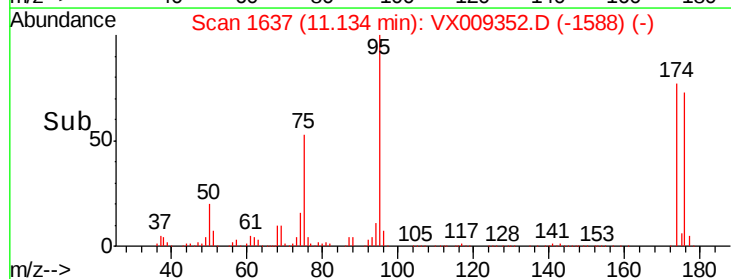
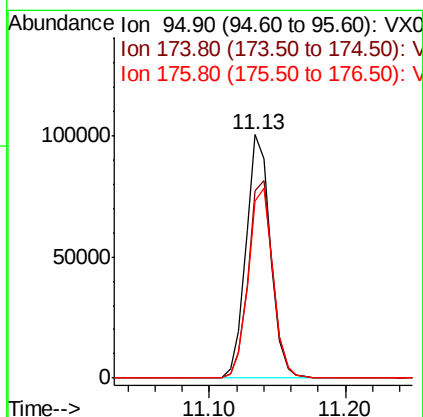
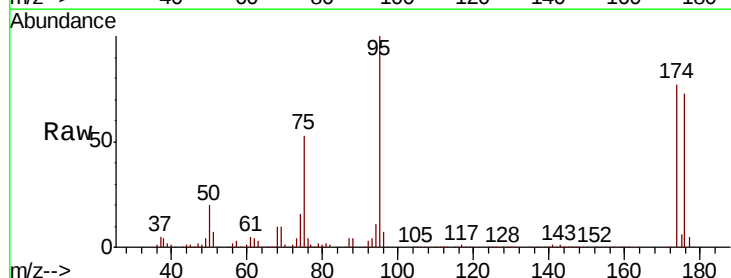
Instrument :
MSVOA_X
ClientSampled :
EB-20190502

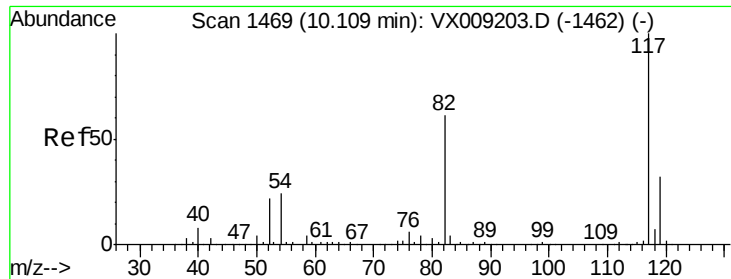
Tot Ion: 98 Resp: 377429
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.940 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

Tgt Ion: 95 Resp: 125877
Ion Ratio Lower Upper
95 100
174 82.3 0.0 161.6
176 79.7 0.0 159.2

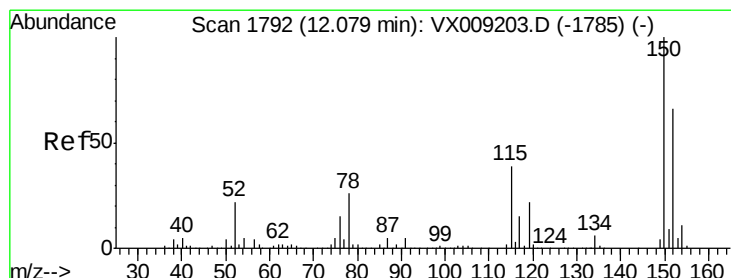
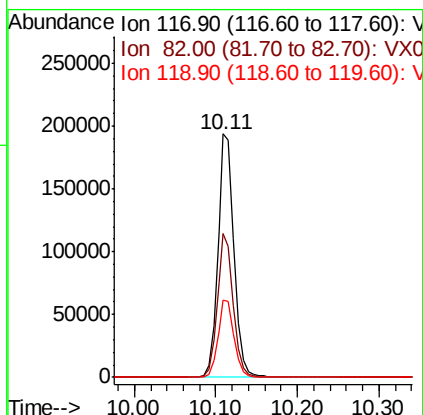
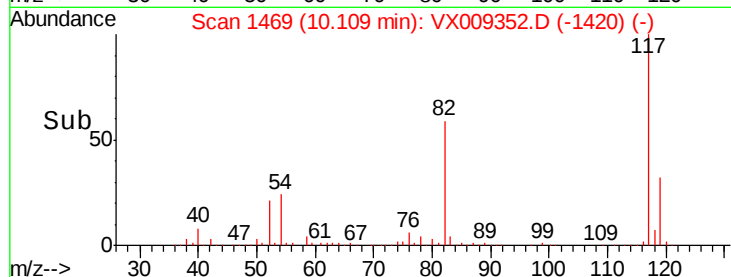
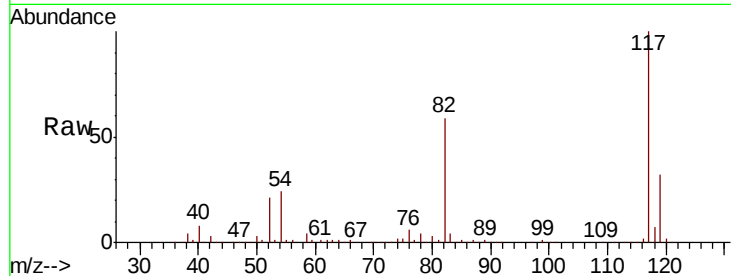




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

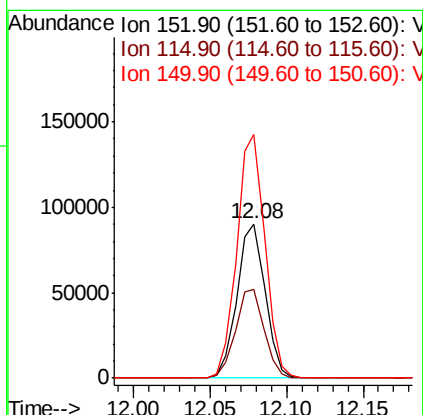
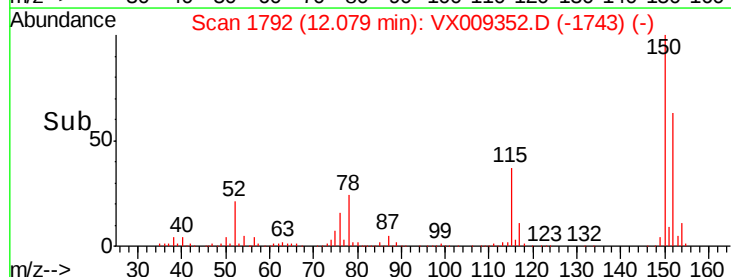
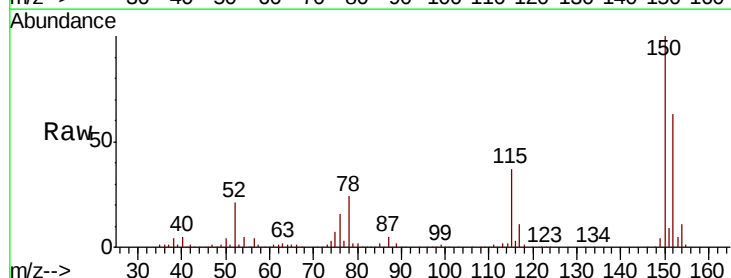
Instrument :
MSVOA_X
ClientSampled :
EB-20190502

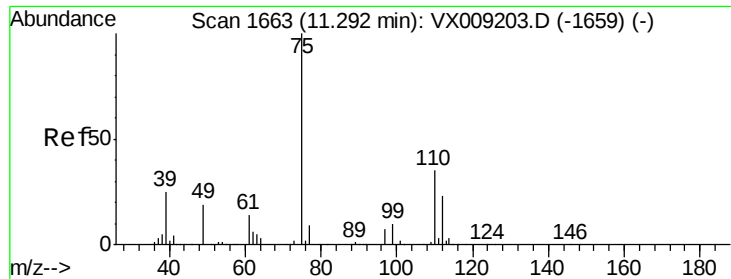
Tot Ion:117 Resp: 268122
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009352.D
Acq: 06 May 2019 15:52

Tgt Ion:152 Resp: 115058
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 157.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.991 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009352.D

Acq: 06 May 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

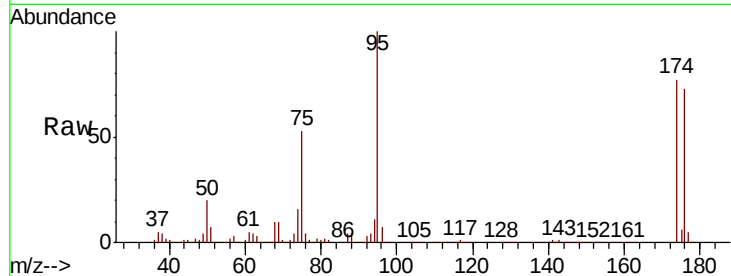
EB-20190502

Tot Ion: 75 Resp: 64031

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

50000

40000

30000

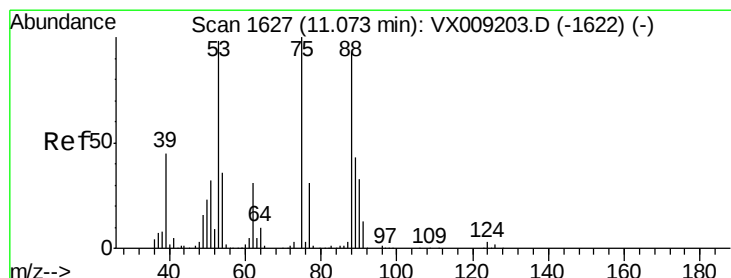
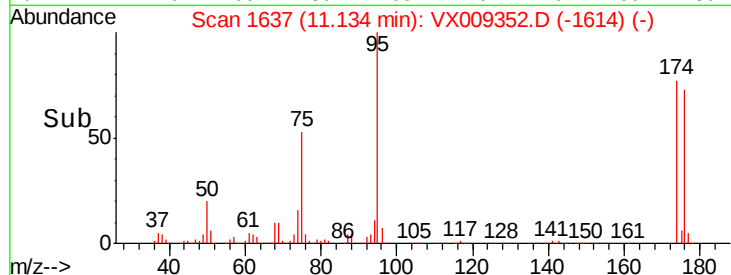
20000

10000

0

Time-->

11.10 11.20 11.30



#81

trans-1,4-Dichloro-2-butene

Concen: 61.385 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009352.D

Acq: 06 May 2019 15:52

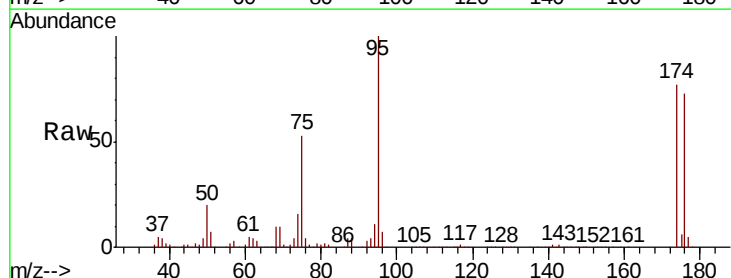
Tgt Ion: 75 Resp: 64031

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

40000

20000

0

Time-->

11.10 11.20 11.30

