

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009349.D
 Acq On : 06 May 2019 14:41
 Operator : JC/SP
 Sample : K2663-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST007MW053-190429

Quant Time: May 07 06:35:35 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	189017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306042	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115862	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	125108	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	5.50	113	93376	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.71	98	381144	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	125984	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

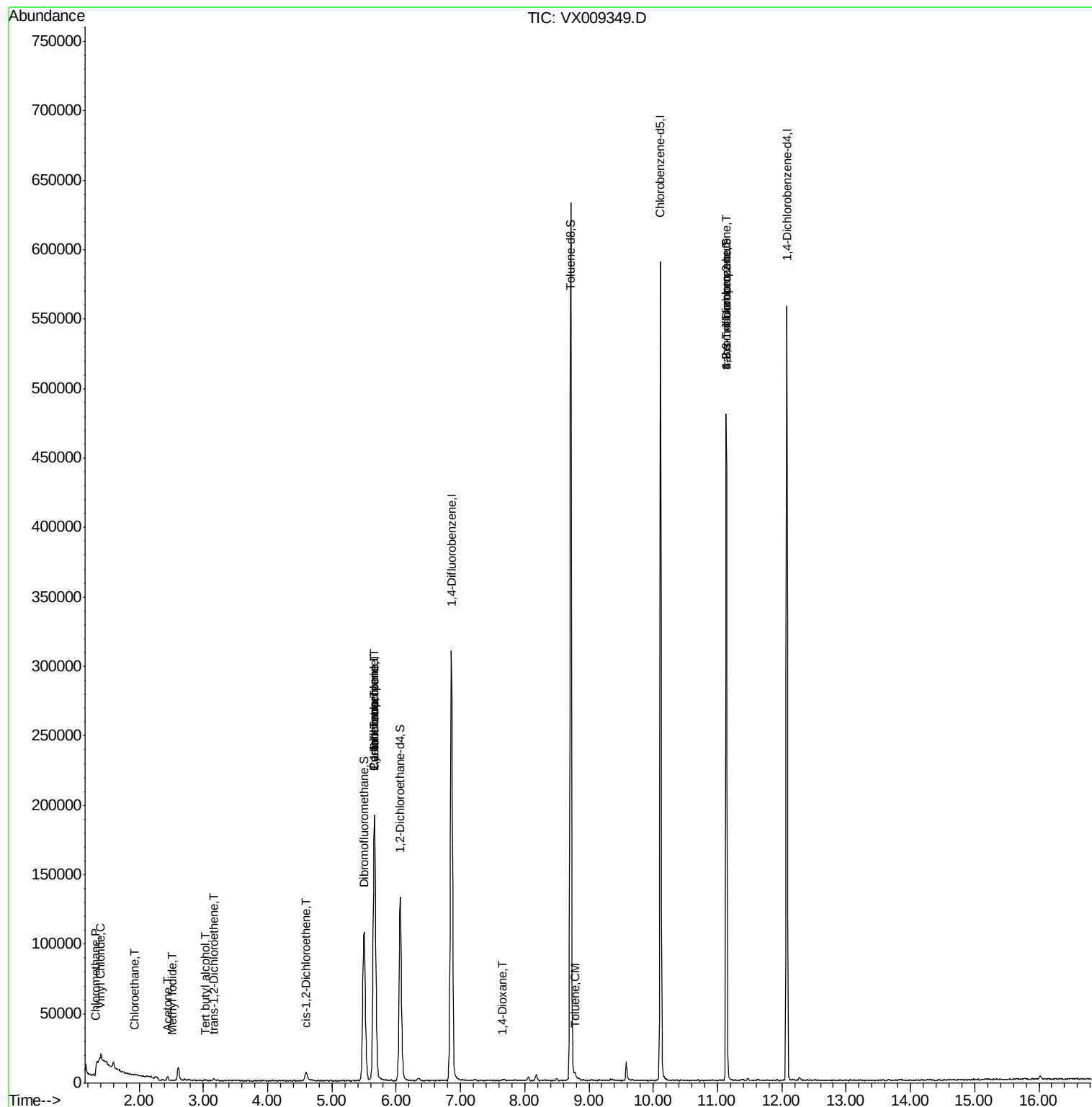
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1018	0.428	ug/l #	83
4) Vinyl Chloride	1.40	62	3392	1.463	ug/l #	80
6) Chloroethane	1.92	64	398	0.267	ug/l #	79
10) Methyl Iodide	2.52	142	19	4.602	ug/l #	42
11) Tert butyl alcohol	3.04	59	835	1.398	ug/l #	79
16) Acetone	2.45	43	3631	2.621	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	502	0.261	ug/l #	27
27) cis-1,2-Dichloroethene	4.60	96	4011	1.747	ug/l	85
28) Bromochloromethane	5.03	49	22	Below Cal	#	20
31) Cyclohexane	5.67	56	4244	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14419	5.070	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17717	6.856	ug/l #	15
49) 1,4-Dioxane	7.65	88	23	0.361	ug/l #	1
52) Toluene	8.79	92	1080	0.202	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	63347	23.570	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63347	60.308	ug/l #	10

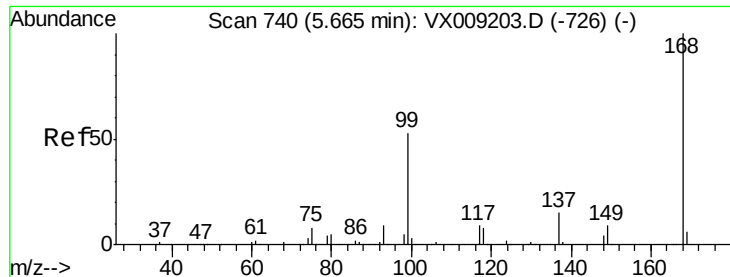
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050619\
Data File : VX009349.D
Acq On : 06 May 2019 14:41
Operator : JC/SP
Sample : K2663-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST007MW053-190429

Quant Time: May 07 06:35:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
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: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

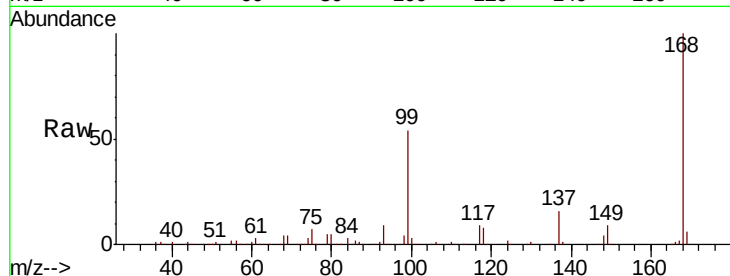
ST007MW053-190429

Tot Ion:168 Resp: 189017

Ion Ratio Lower Upper

168 100

99 53.7 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

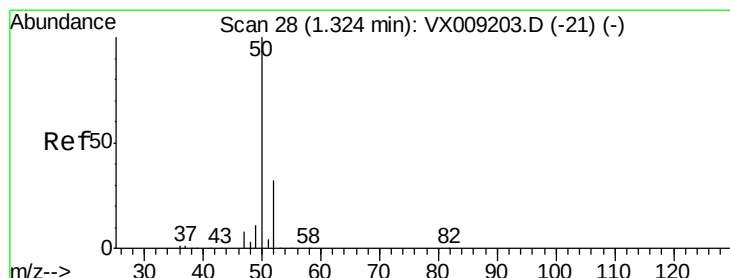
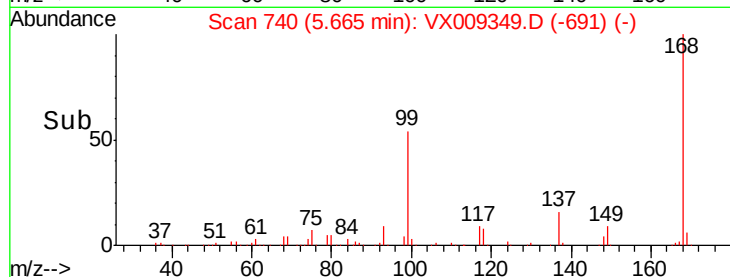
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.428 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009349.D

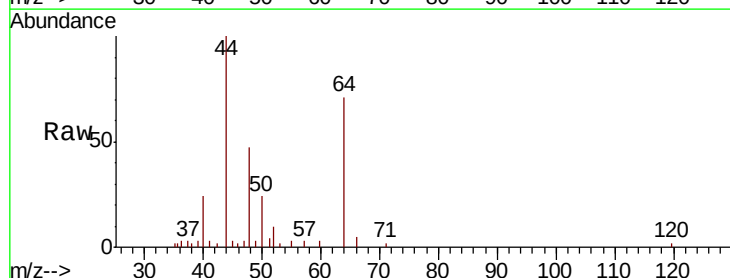
Acq: 06 May 2019 14:41

Tgt Ion: 50 Resp: 1018

Ion Ratio Lower Upper

50 100

52 42.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

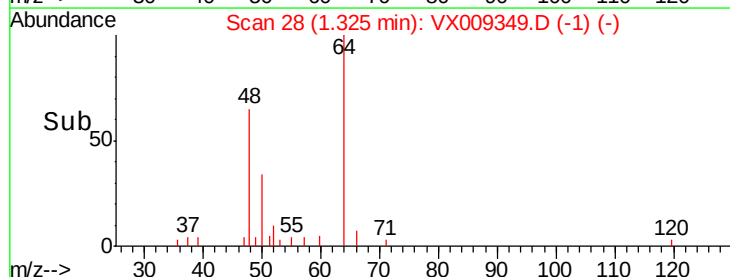
600

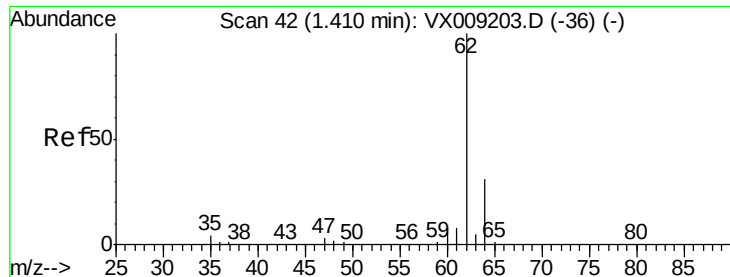
400

200

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 1.463 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

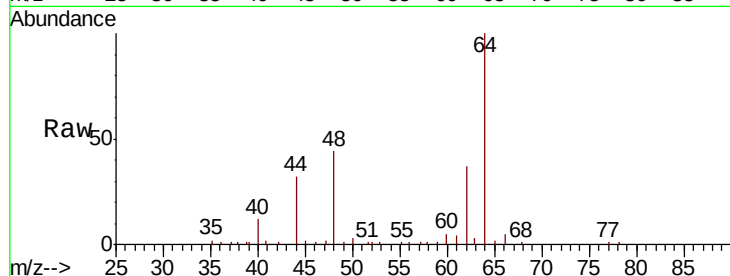
ST007MW053-190429

Tot Ion: 62 Resp: 3392

Ion Ratio Lower Upper

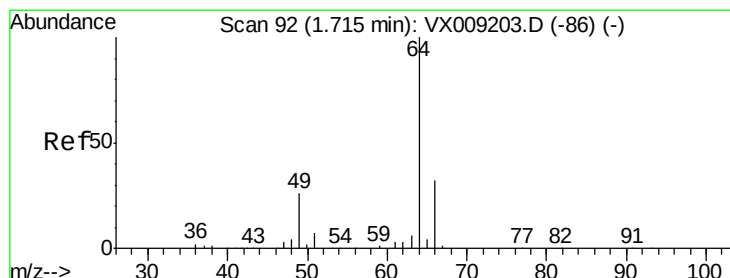
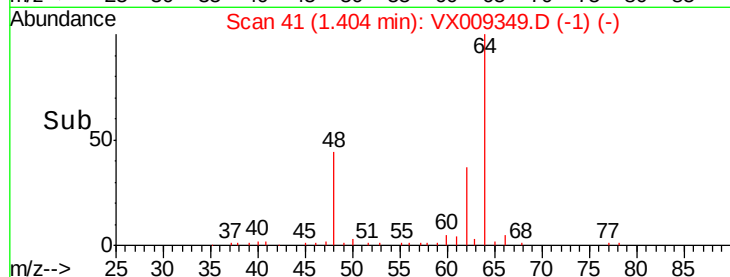
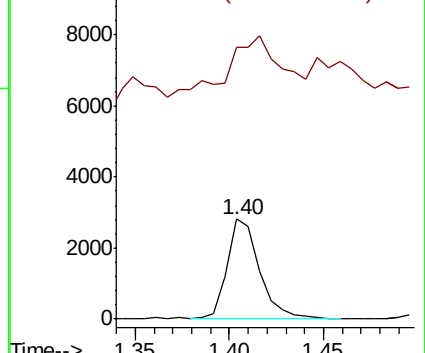
62 100

64 41.5 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.267 ug/l

RT: 1.92 min Scan# 125

Delta R.T. 0.20 min

Lab File: VX009349.D

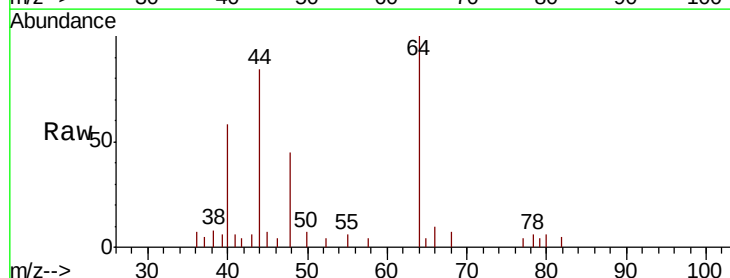
Acq: 06 May 2019 14:41

Tgt Ion: 64 Resp: 398

Ion Ratio Lower Upper

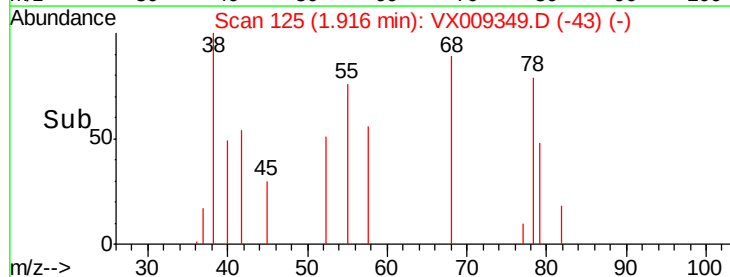
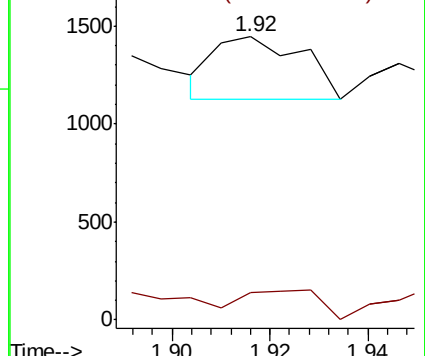
64 100

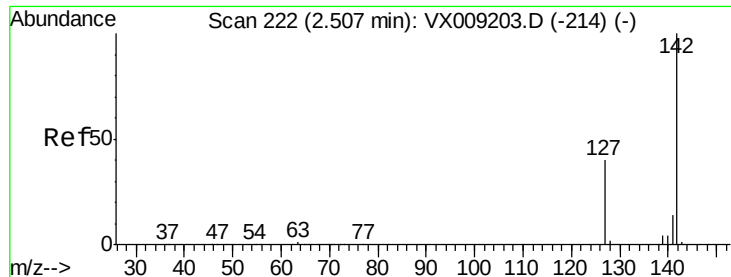
66 43.4 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

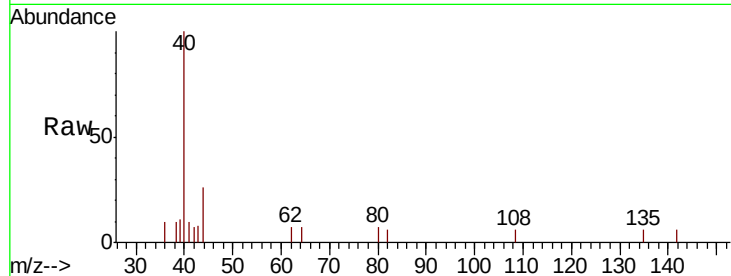




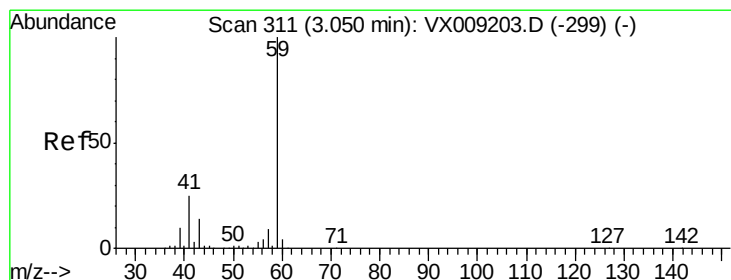
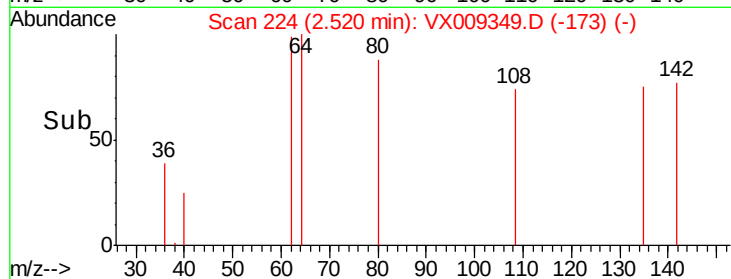
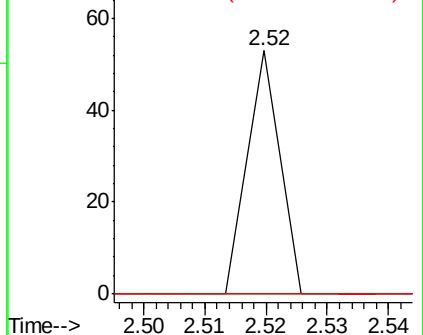
#10
Methyl Iodide
Concen: 4.602 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009349.D
Acq: 06 May 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
ST007MW053-190429

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

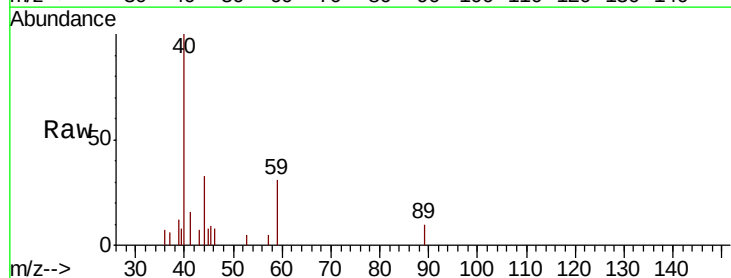


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

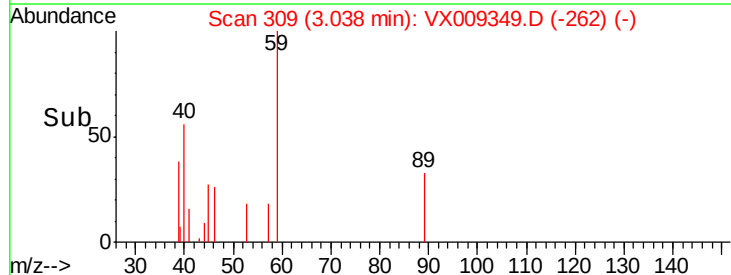
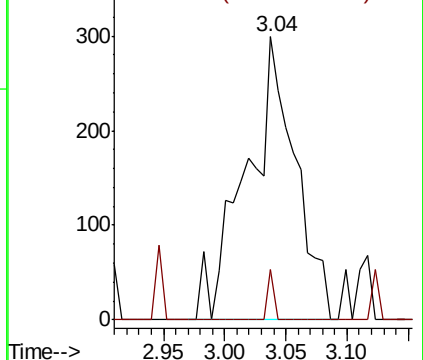


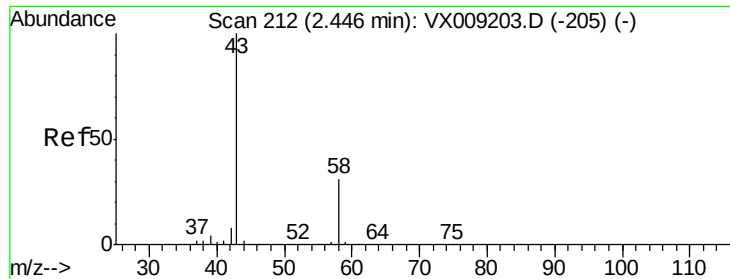
#11
Tert butyl alcohol
Concen: 1.398 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009349.D
Acq: 06 May 2019 14:41

Tgt Ion: 59 Resp: 835
Ion Ratio Lower Upper
59 100
57 2.3 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: 2.621 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

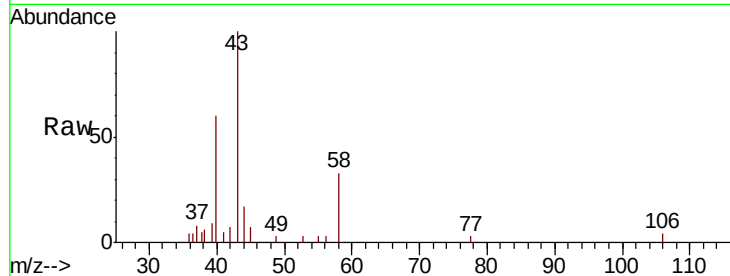
ST007MW053-190429

Tot Ion: 43 Resp: 3631

Ion Ratio Lower Upper

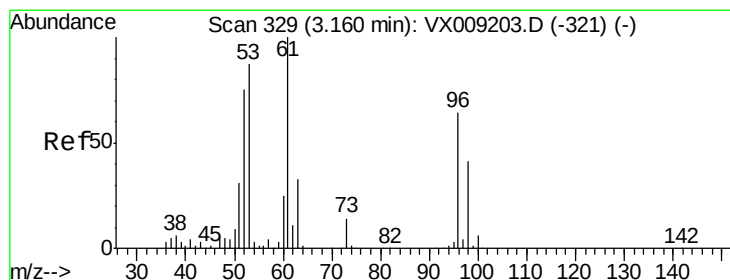
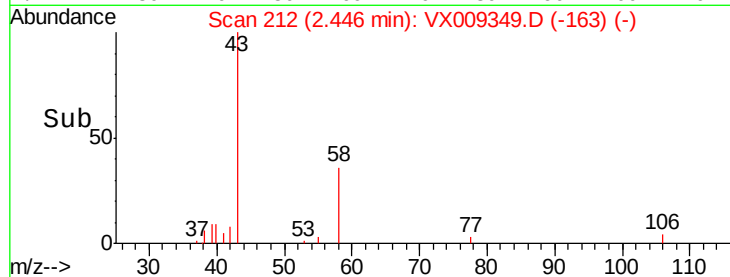
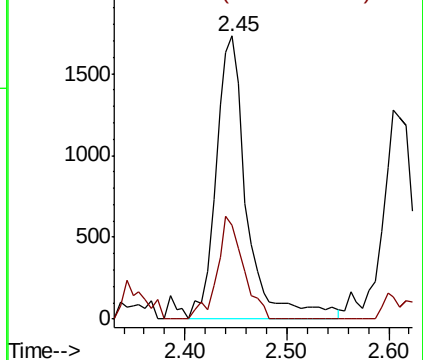
43 100

58 33.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.261 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

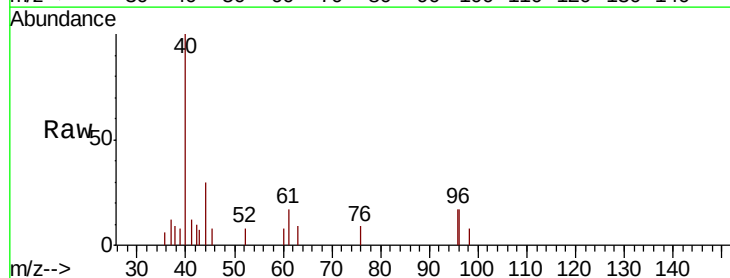
Tgt Ion: 96 Resp: 502

Ion Ratio Lower Upper

96 100

61 49.8 124.5 186.7#

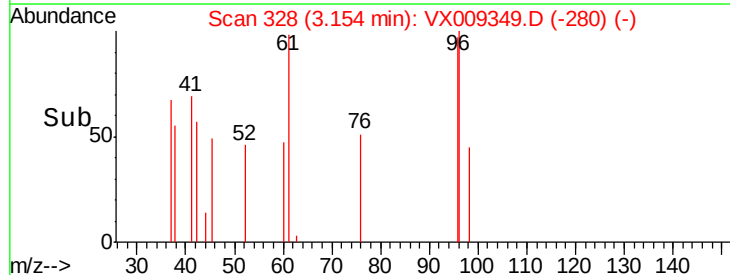
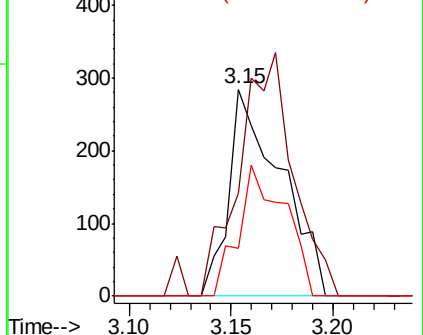
98 22.8 50.4 75.6#

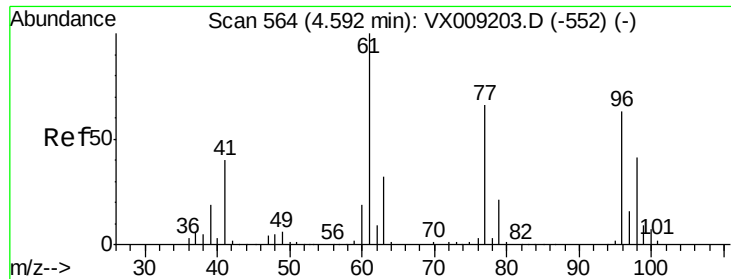


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



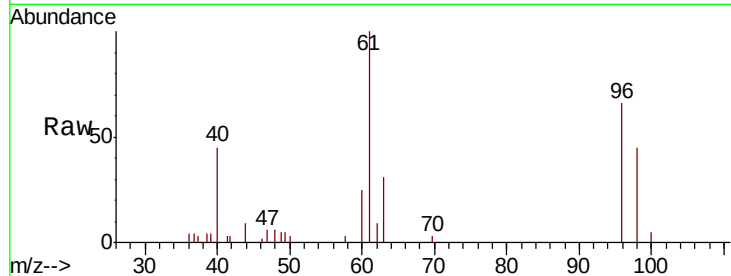


#27

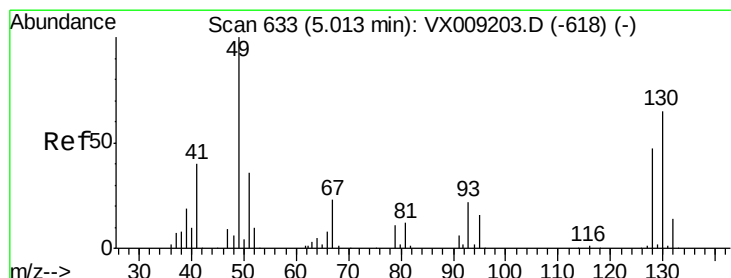
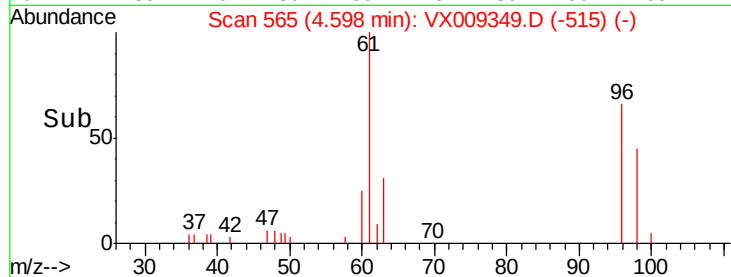
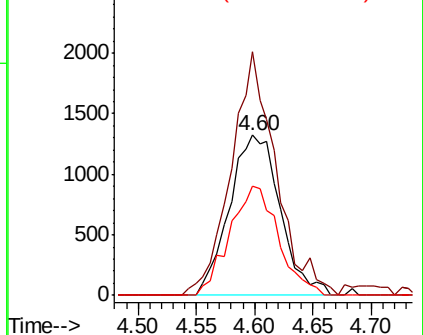
cis-1,2-Dichloroethene
 Concen: 1.747 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009349.D
 Acq: 06 May 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 ST007MW053-190429

Tot Ion: 96 Resp: 4011
 Ion Ratio Lower Upper
 96 100
 61 134.7 0.0 324.0
 98 65.2 0.0 130.4



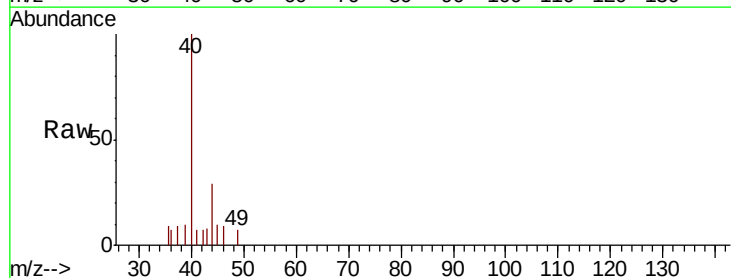
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



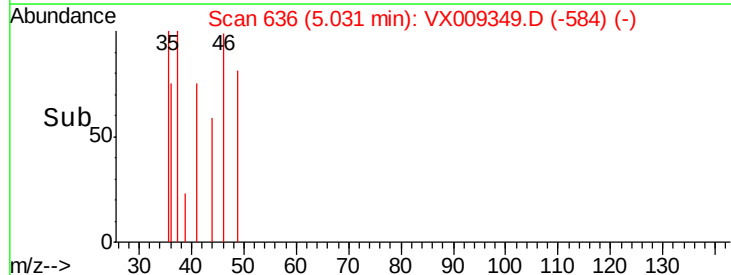
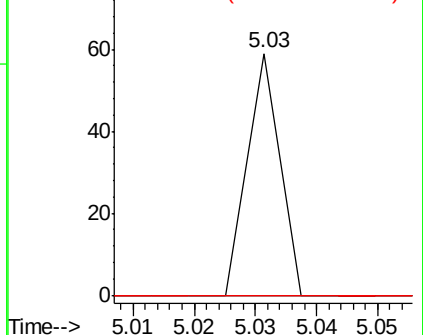
#28

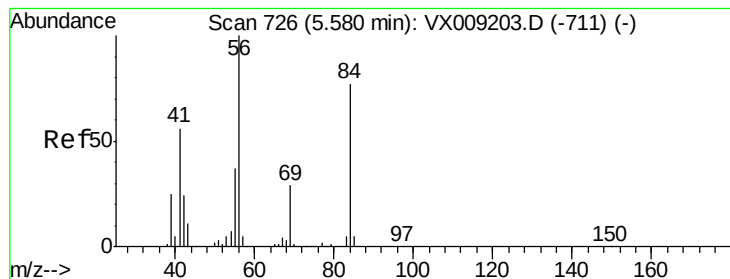
Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 636
 Delta R.T. 0.02 min
 Lab File: VX009349.D
 Acq: 06 May 2019 14:41

Tgt Ion: 49 Resp: 22
 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





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

ST007MW053-190429

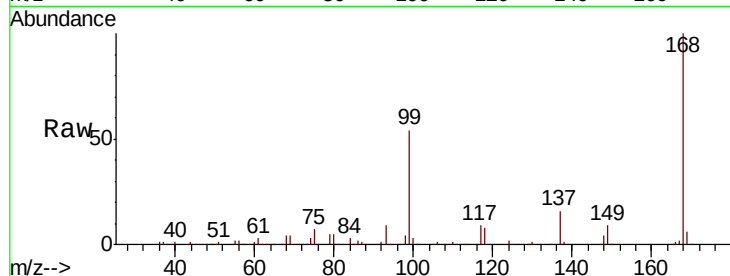
Tot Ion: 56 Resp: 4244

Ion Ratio Lower Upper

56 100

69 177.4 23.4 35.0#

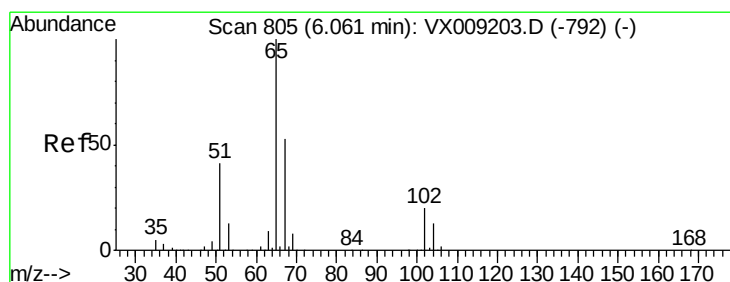
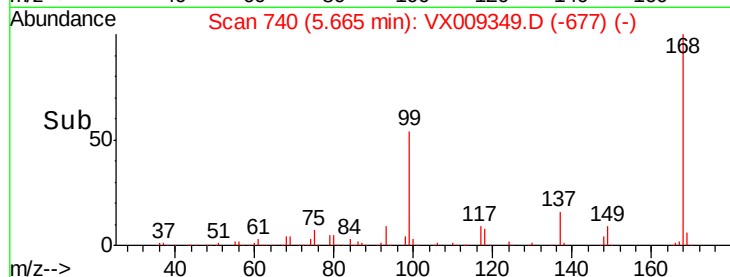
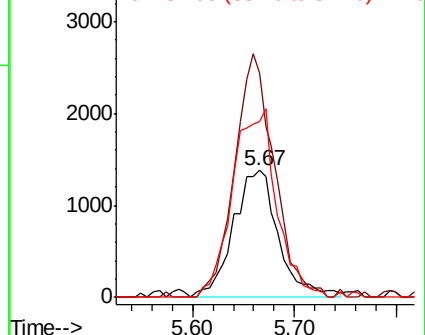
84 138.5 61.9 92.9#



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: 48.486 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009349.D

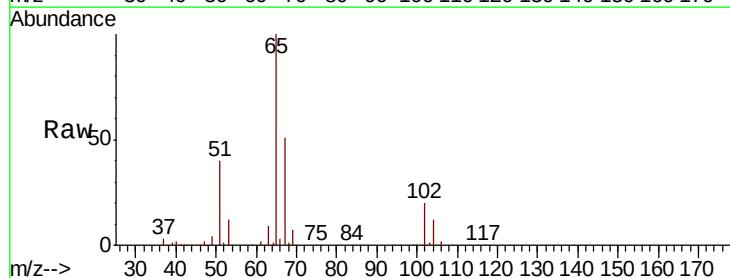
Acq: 06 May 2019 14:41

Tgt Ion: 65 Resp: 125108

Ion Ratio Lower Upper

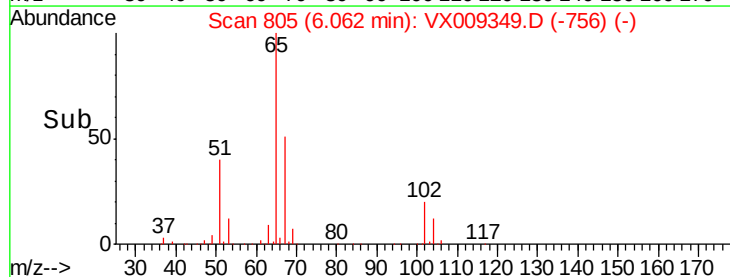
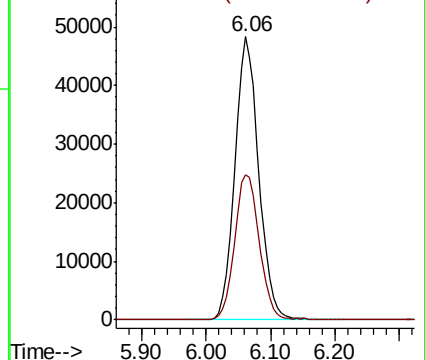
65 100

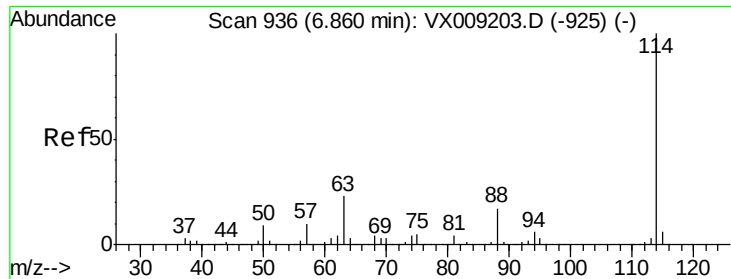
67 53.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

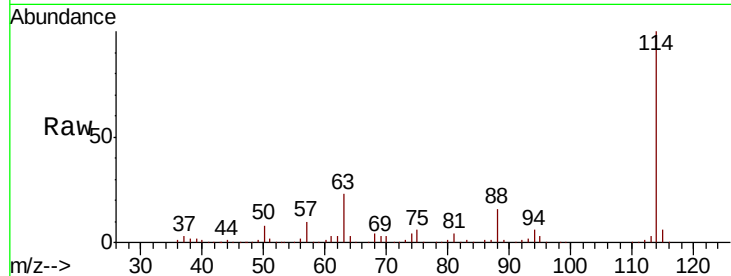




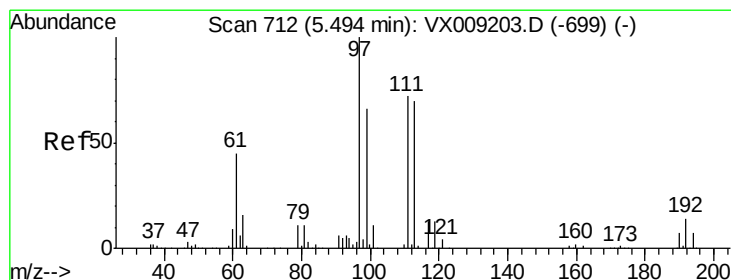
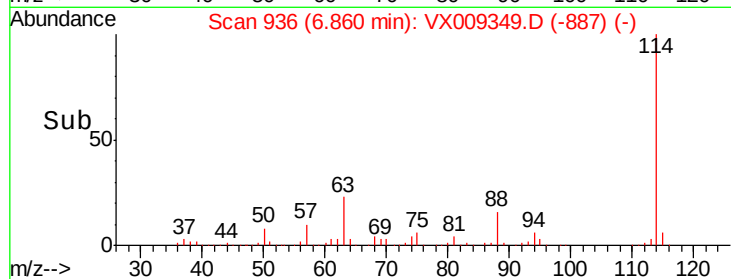
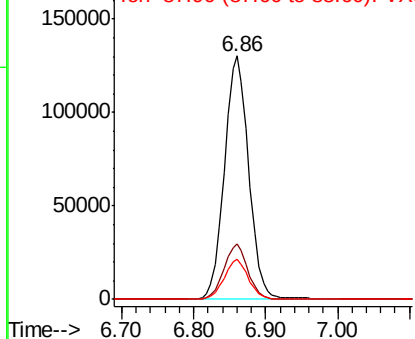
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009349.D
 Acq: 06 May 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 ST007MW053-190429

Tot Ion:114 Resp: 306042
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.2 0.0 33.2

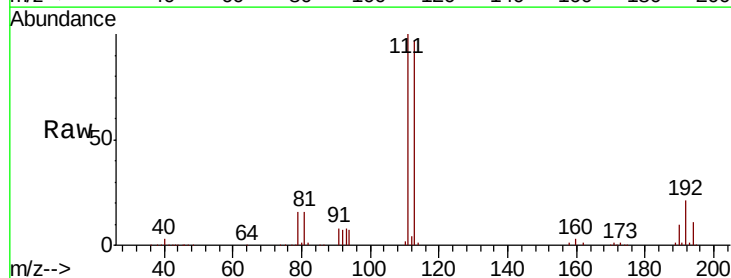


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

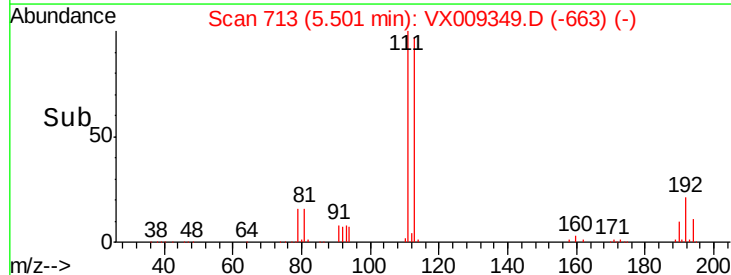
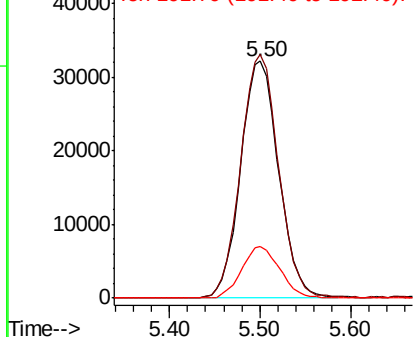


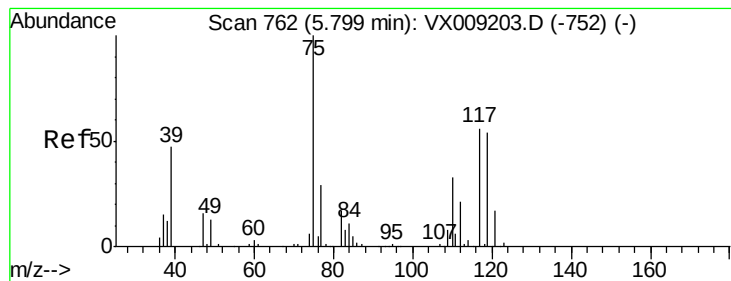
#35
 Dibromofluoromethane
 Concen: 48.535 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009349.D
 Acq: 06 May 2019 14:41

Tgt Ion:113 Resp: 93376
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 21.8 17.0 25.6



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: 5.070 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

ST007MW053-190429

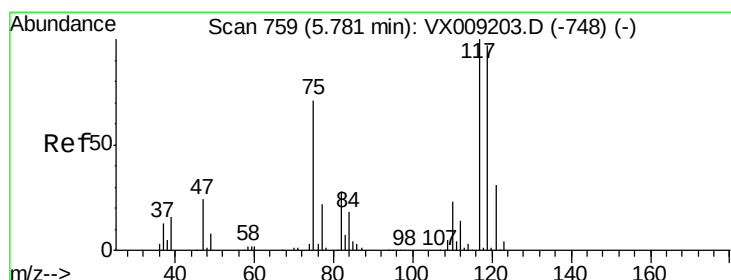
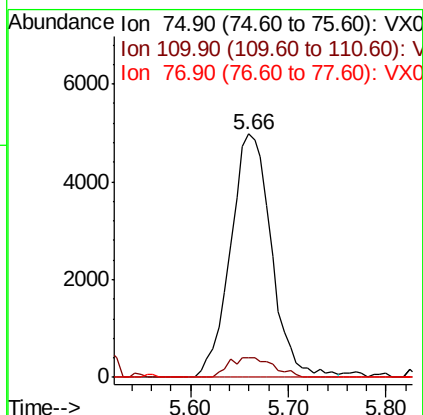
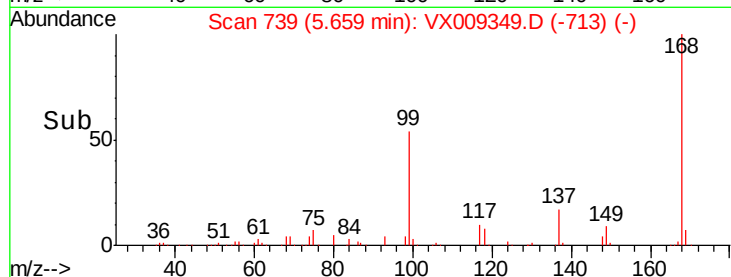
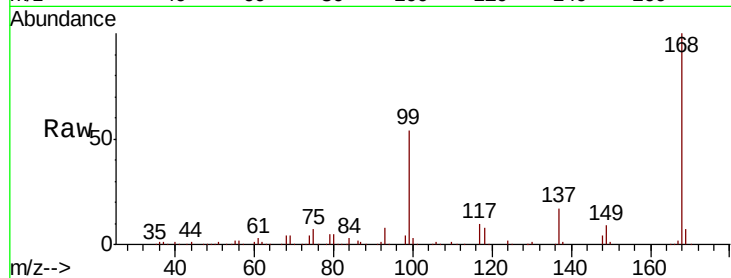
Tot Ion: 75 Resp: 14419

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.856 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

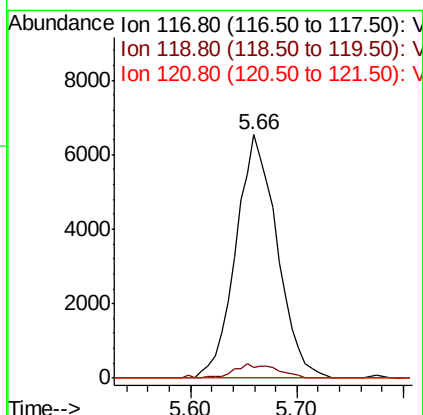
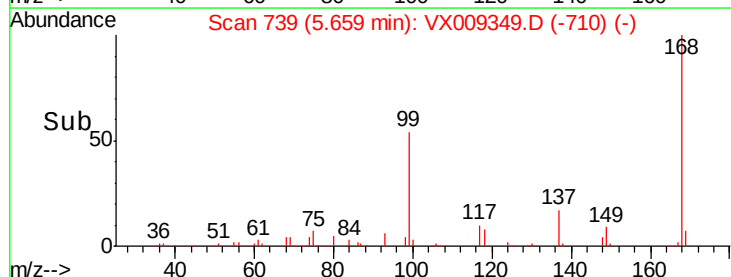
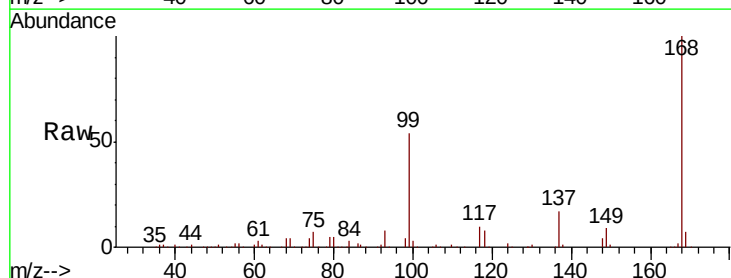
Tgt Ion: 117 Resp: 17717

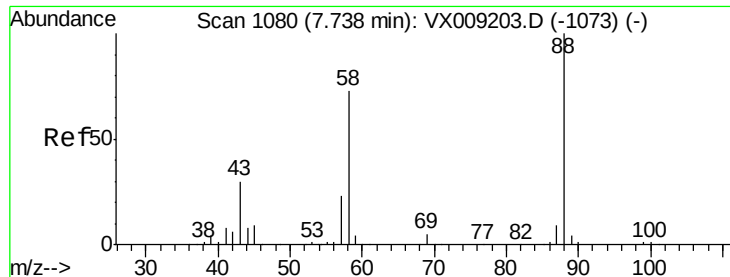
Ion Ratio Lower Upper

117 100

119 4.3 77.5 116.3#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 0.361 ug/l

RT: 7.65 min Scan# 1065

Delta R.T. -0.09 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

ST007MW053-190429

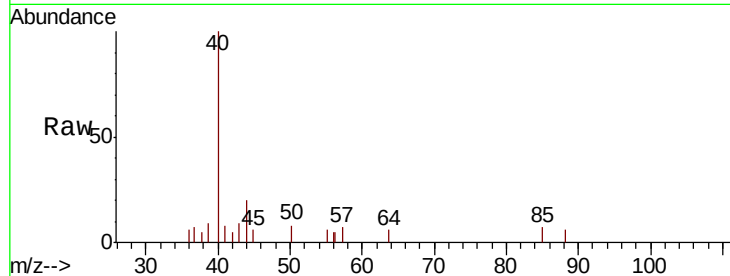
Tot Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

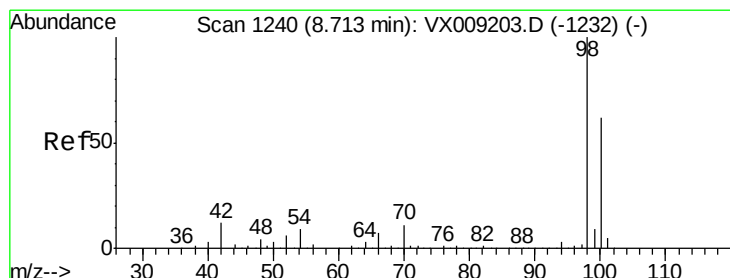
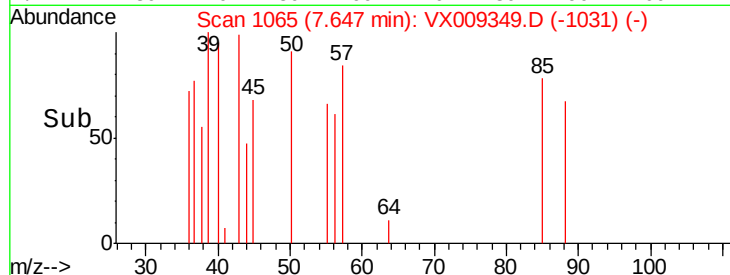
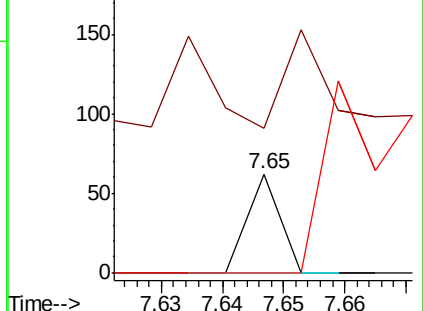
58 960.9 61.7 92.5#



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: 49.071 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009349.D

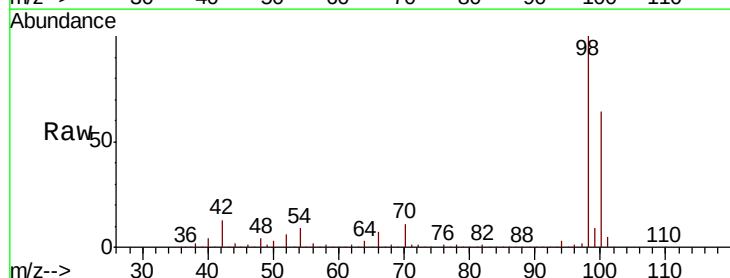
Acq: 06 May 2019 14:41

Tgt Ion: 98 Resp: 381144

Ion Ratio Lower Upper

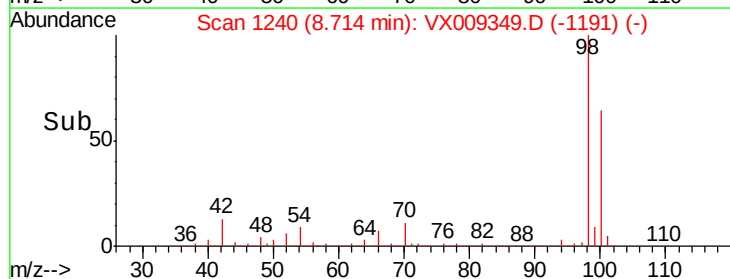
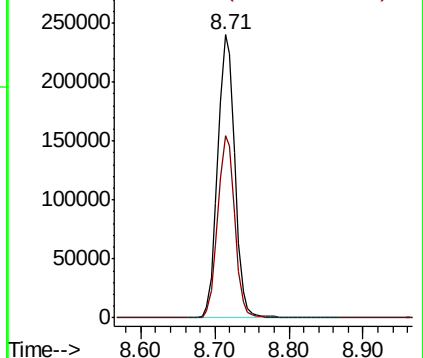
98 100

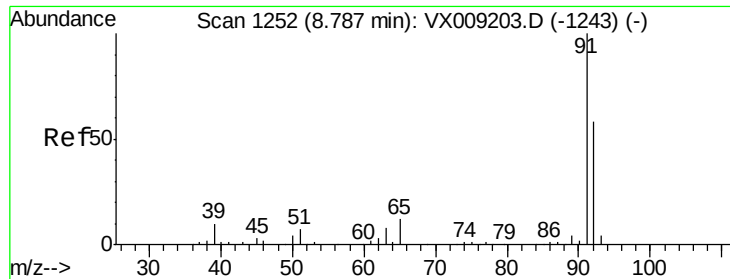
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.202 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

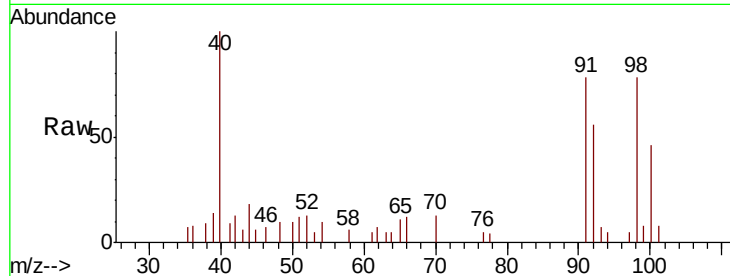
ST007MW053-190429

Tot Ion: 92 Resp: 1080

Ion Ratio Lower Upper

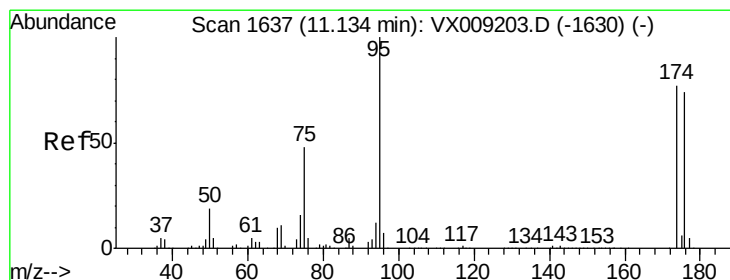
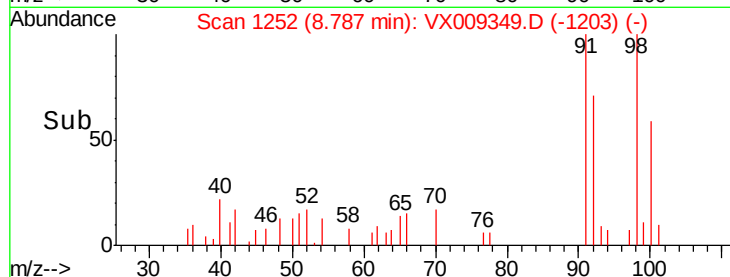
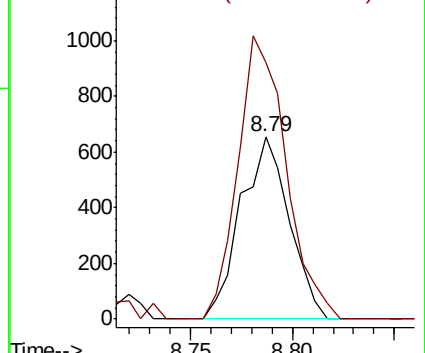
92 100

91 154.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.638 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

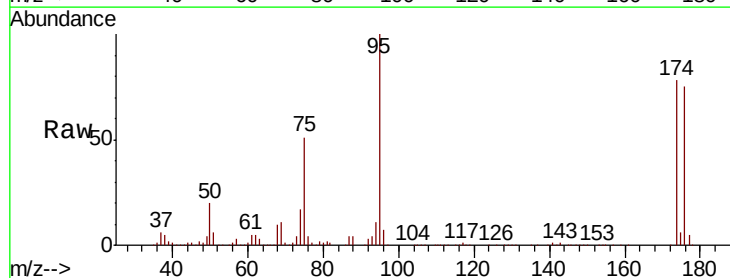
Tgt Ion: 95 Resp: 125984

Ion Ratio Lower Upper

95 100

174 83.1 0.0 161.6

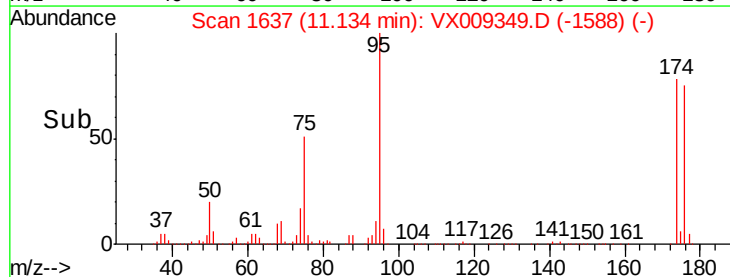
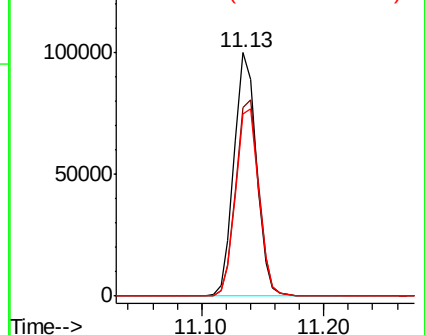
176 79.9 0.0 159.2

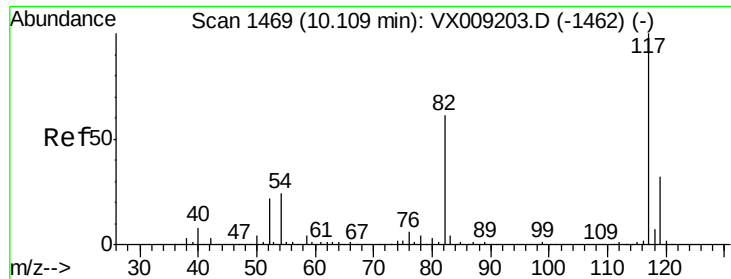


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

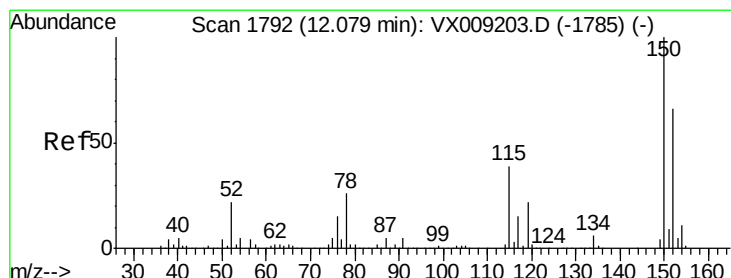
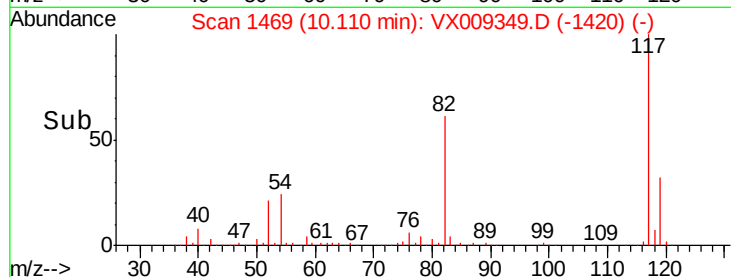
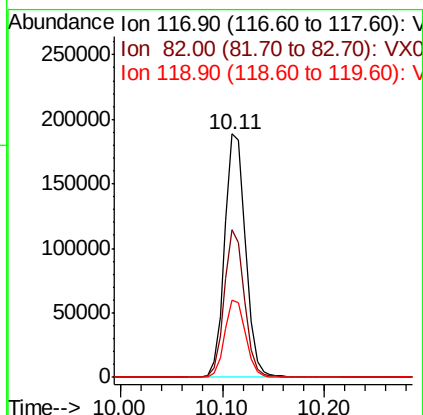
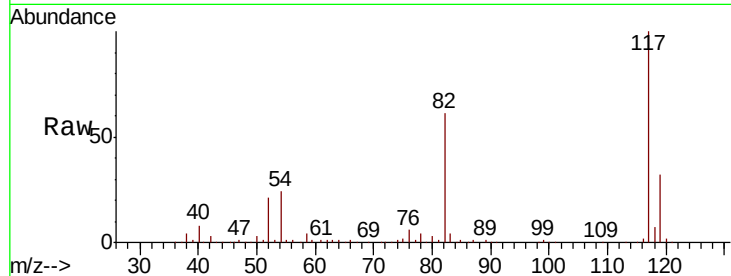




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009349.D
Acq: 06 May 2019 14:41

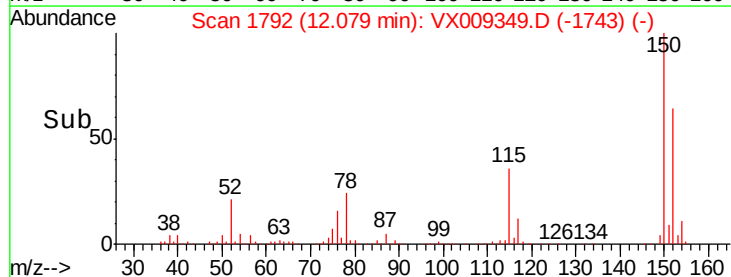
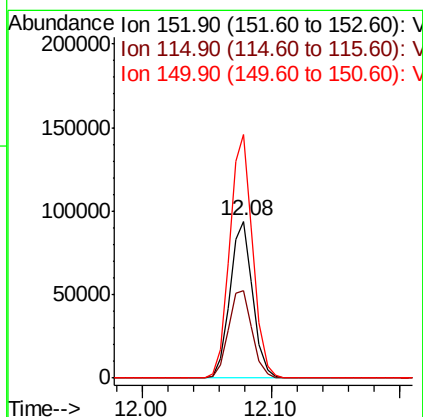
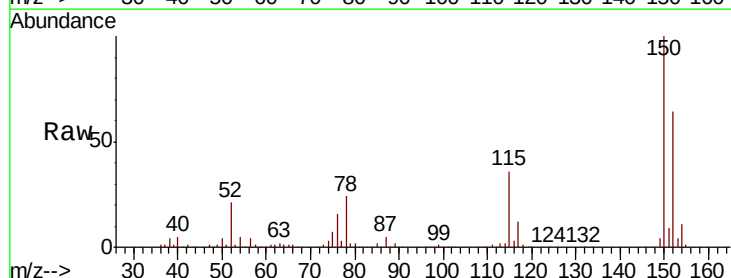
Instrument :
MSVOA_X
ClientSampleId :
ST007MW053-190429

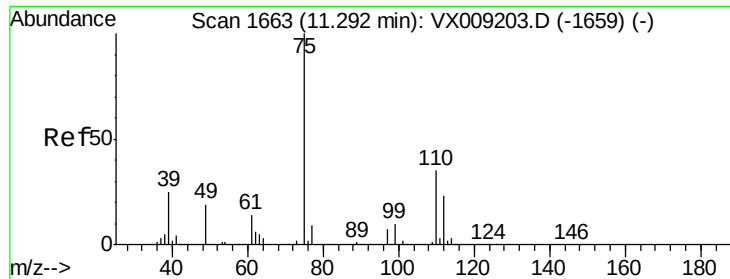
Tot Ion:117 Resp: 268023
Ion Ratio Lower Upper
117 100
82 60.8 48.8 73.2
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009349.D
Acq: 06 May 2019 14:41

Tgt Ion:152 Resp: 115862
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 157.2 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

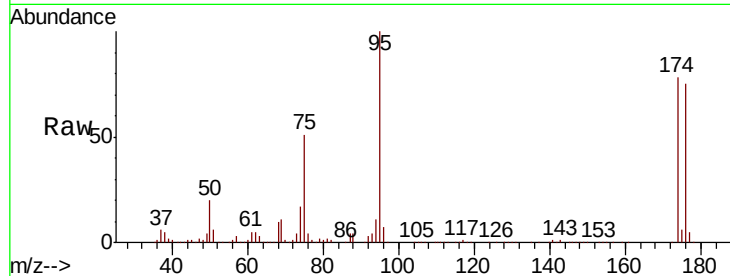
ST007MW053-190429

Tot Ion: 75 Resp: 63347

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

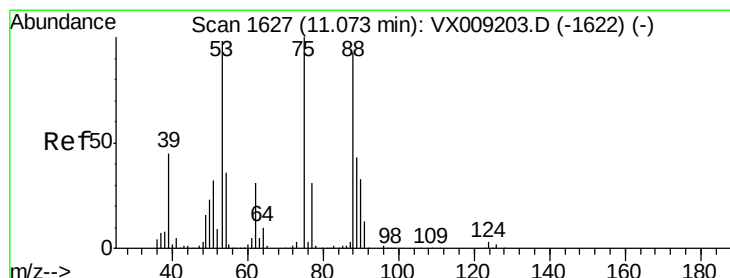
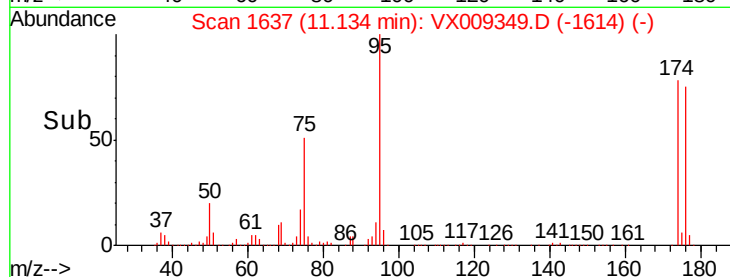
20000

10000

0

11.10 11.15 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.308 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009349.D

Acq: 06 May 2019 14:41

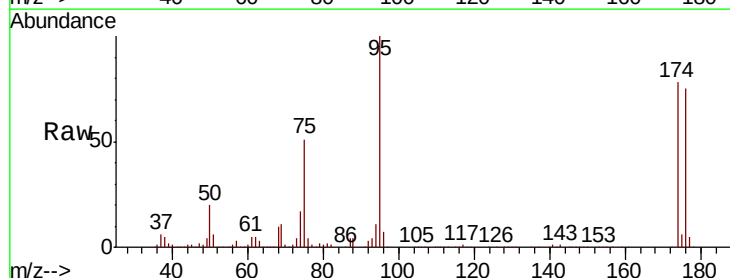
Tgt Ion: 75 Resp: 63347

Ion Ratio Lower Upper

75 100

53 0.2 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

50000

40000

30000

20000

10000

0

11.10 11.15 11.20

Time-->

