

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050719\
 Data File : VX009376.D
 Acq On : 07 May 2019 14:57
 Operator : JC/SP
 Sample : K2721-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-TB05-190506

Quant Time: May 08 02:15:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	170580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	267815	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92274	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	108612	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	5.49	113	81969	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	333263	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	106001	42.92	ug/l	0.00
Spiked Amount			Recovery	=	85.84%	

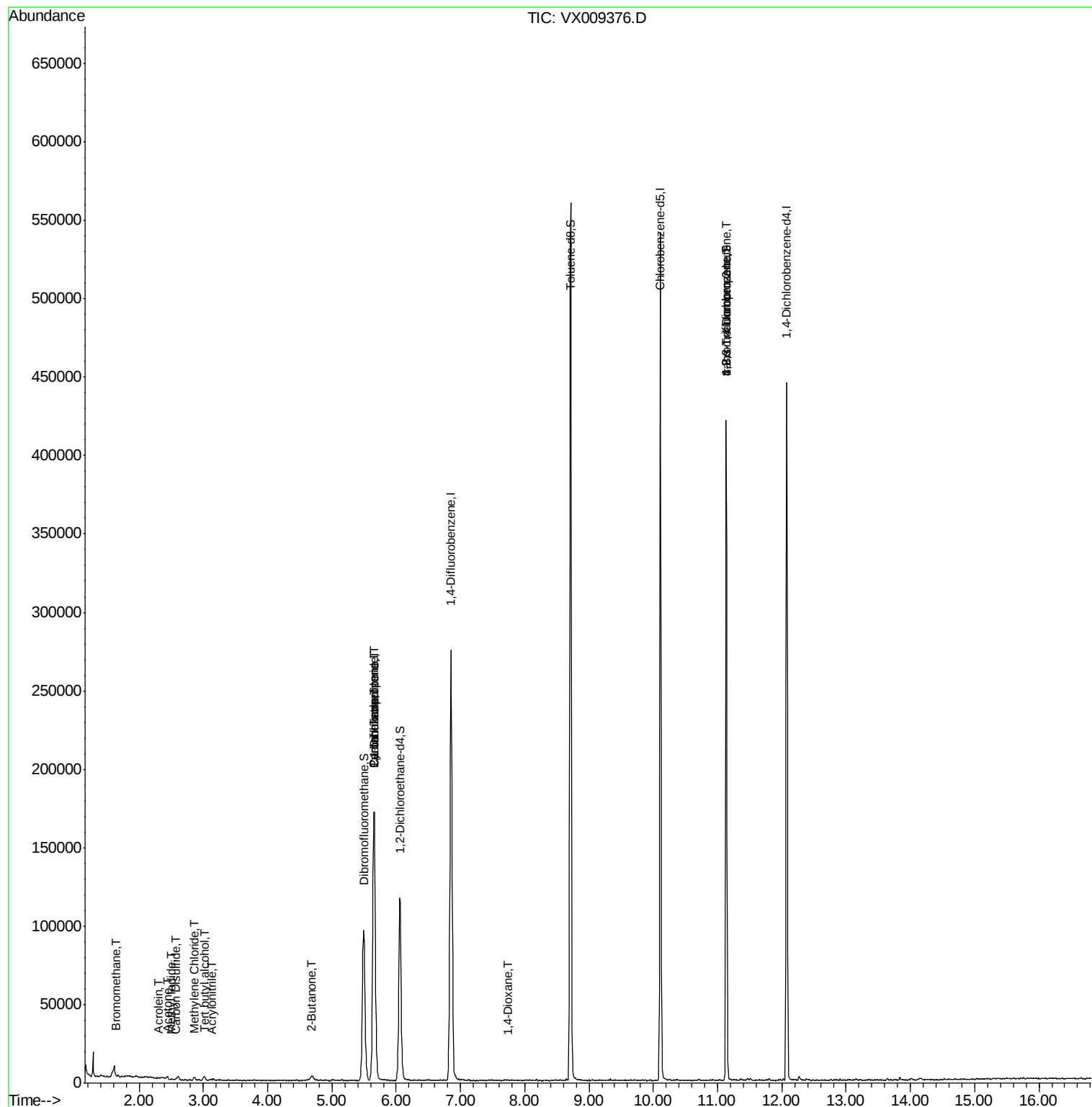
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	516	0.411	ug/l #	58
10) Methyl Iodide	2.51	142	541	4.859	ug/l #	89
11) Tert butyl alcohol	3.02	59	1738	3.224	ug/l #	80
13) Acrolein	2.29	56	232	0.475	ug/l #	56
15) Acrylonitrile	3.13	53	436	0.331	ug/l #	65
16) Acetone	2.44	43	1932	1.545	ug/l	90
17) Carbon Disulfide	2.57	76	1050	0.234	ug/l #	76
20) Methylene Chloride	2.86	84	766	0.378	ug/l #	81
25) 2-Butanone	4.68	43	536	0.276	ug/l #	53
28) Bromochloromethane	4.99	49	53	Below Cal	#	20
31) Cyclohexane	5.65	56	3695	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13159	5.287	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15241	6.740	ug/l #	17
49) 1,4-Dioxane	7.74	88	19	0.340	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	53355	24.927	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	53355	63.780	ug/l #	10

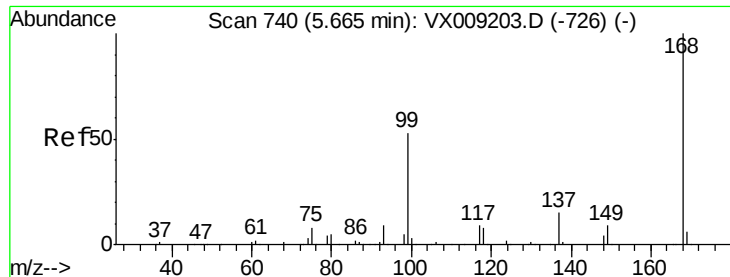
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050719\
Data File : VX009376.D
Acq On : 07 May 2019 14:57
Operator : JC/SP
Sample : K2721-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z5-TB05-190506

Quant Time: May 08 02:15:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue May 07 08:24:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

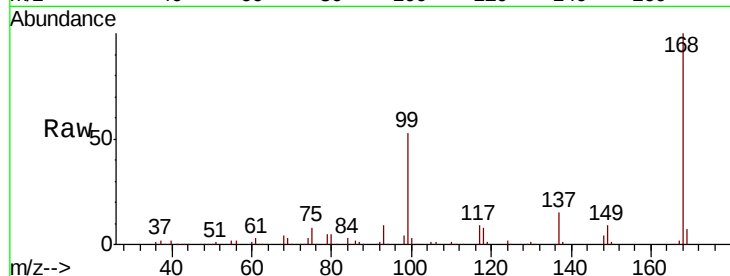
Z5-TB05-190506

Tot Ion:168 Resp: 170580

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

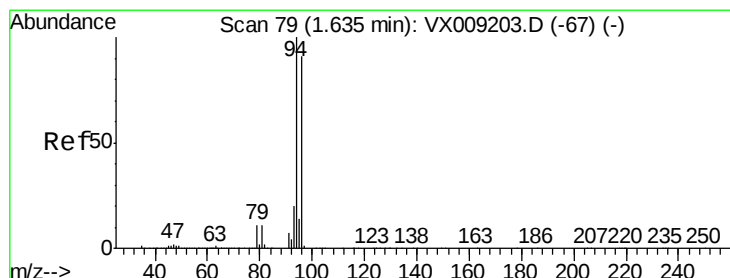
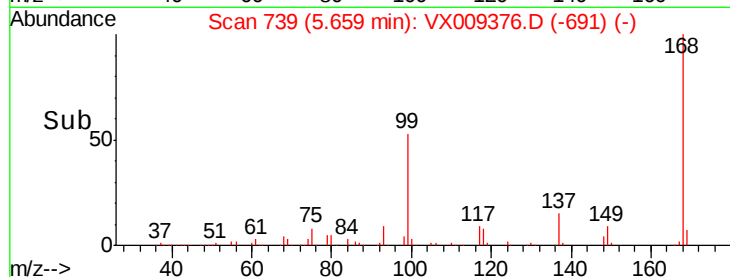
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.411 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009376.D

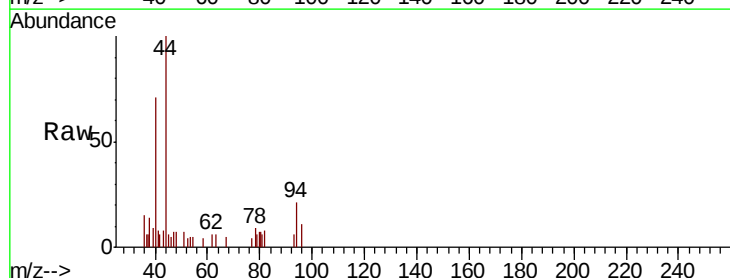
Acq: 07 May 2019 14:57

Tgt Ion: 94 Resp: 516

Ion Ratio Lower Upper

94 100

96 51.4 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

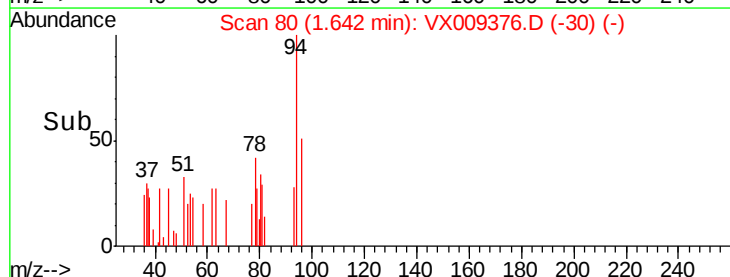
100

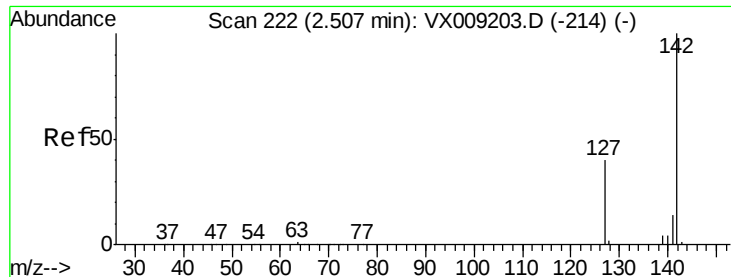
50

0

Time-->

1.60 1.65 1.70

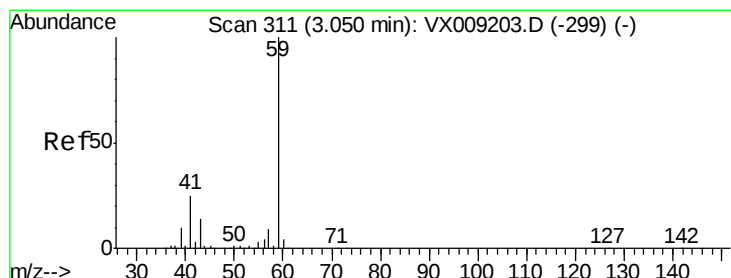
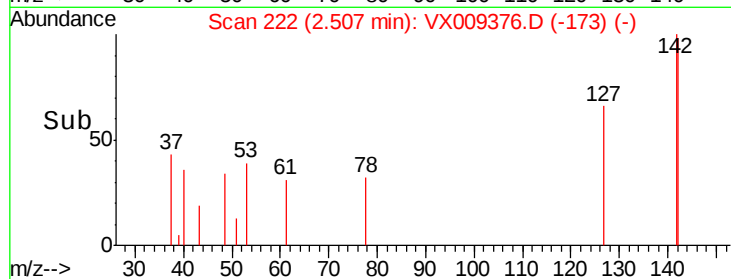
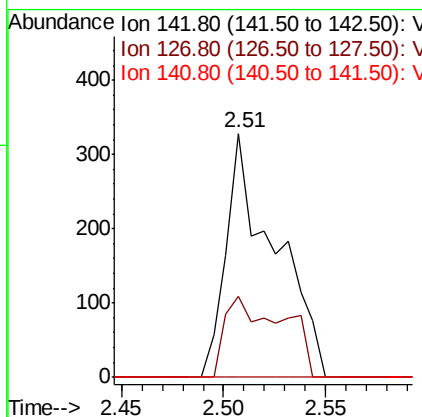
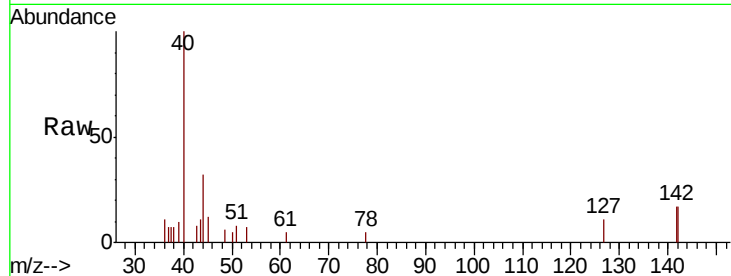




#10
Methyl Iodide
Concen: 4.859 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

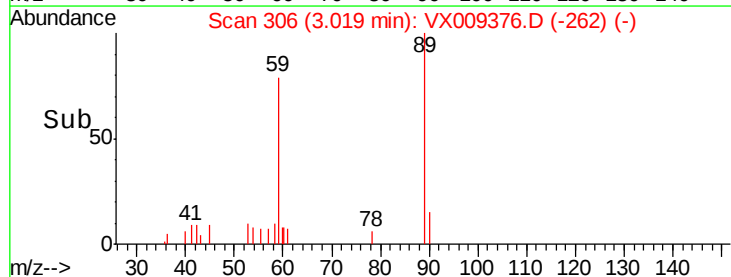
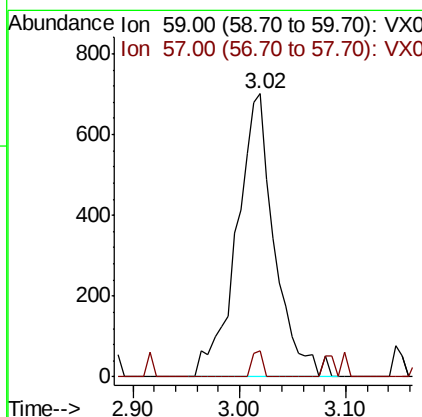
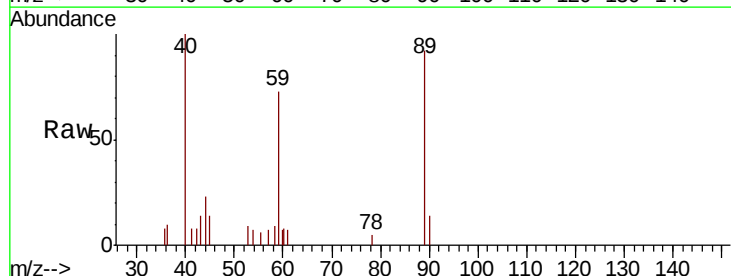
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB05-190506

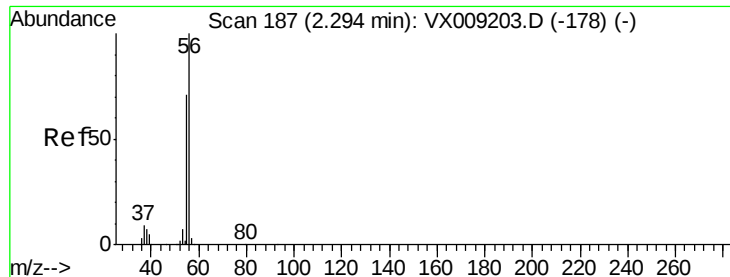
Tot Ion:142 Resp: 541
Ion Ratio Lower Upper
142 100
127 39.6 32.7 49.1
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.224 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

Tgt Ion: 59 Resp: 1738
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.2#





#13

Acrolein

Concen: 0.475 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

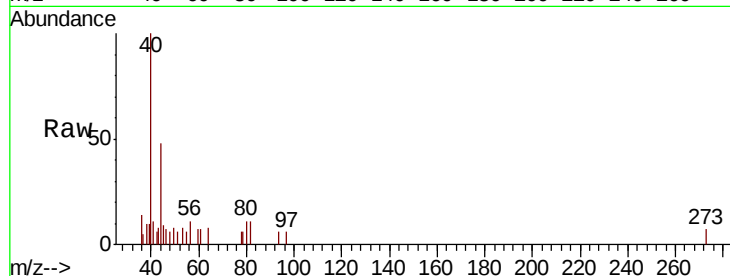
Z5-TB05-190506

Tot Ion: 56 Resp: 232

Ion Ratio Lower Upper

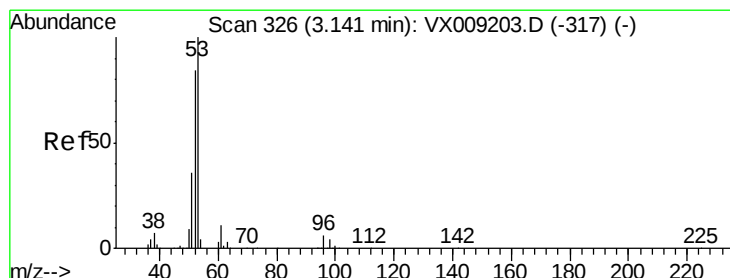
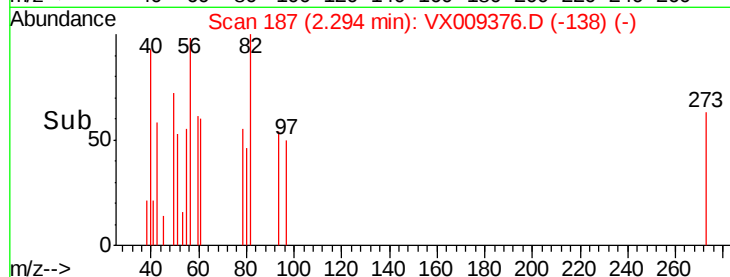
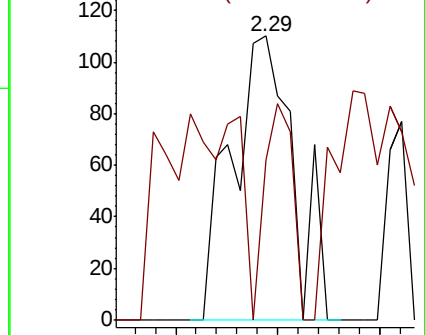
56 100

55 34.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.331 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

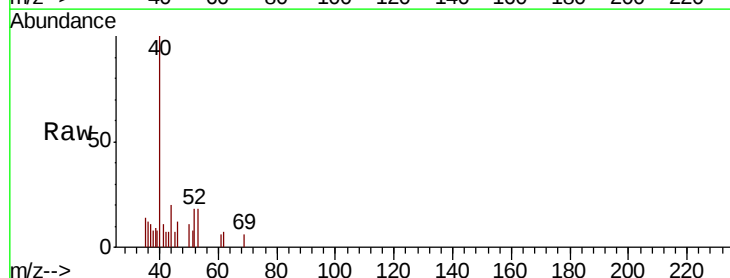
Tgt Ion: 53 Resp: 436

Ion Ratio Lower Upper

53 100

52 102.8 66.9 100.3#

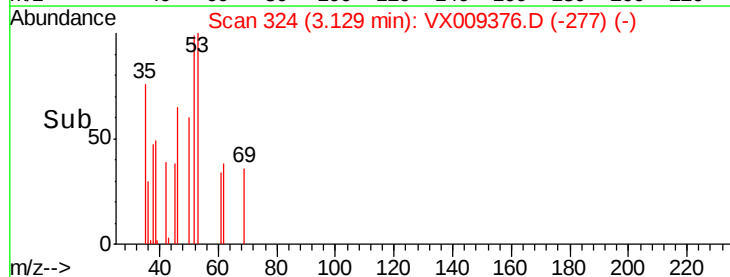
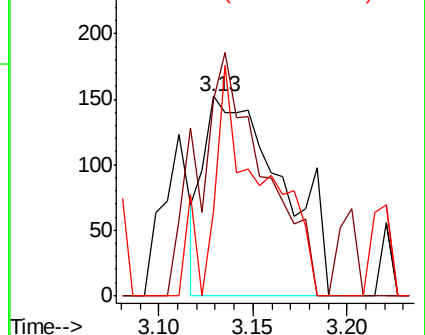
51 75.0 28.2 42.2#

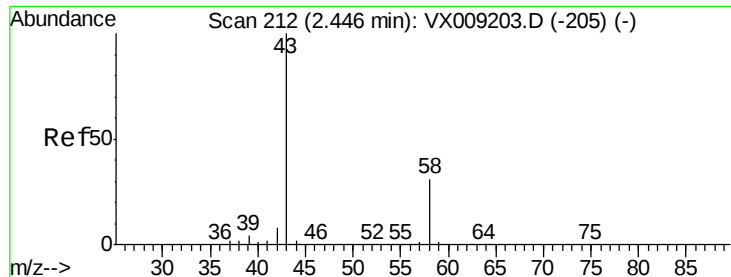


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.545 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

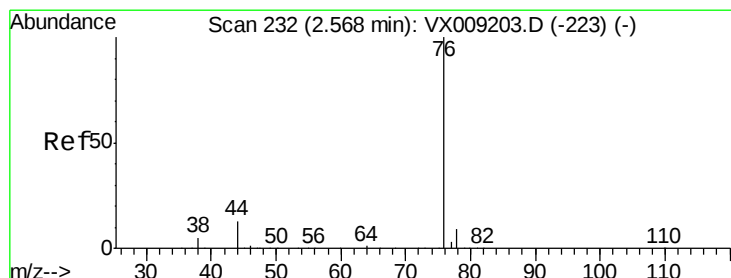
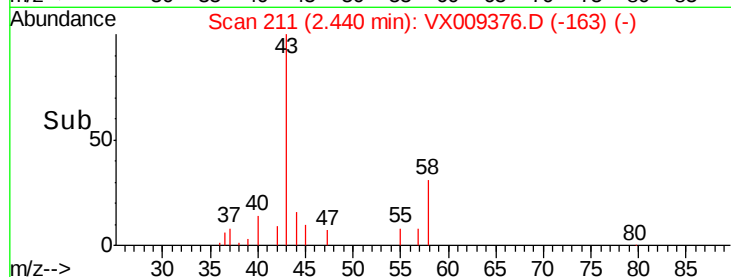
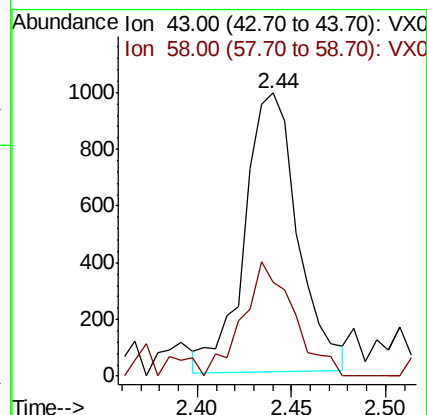
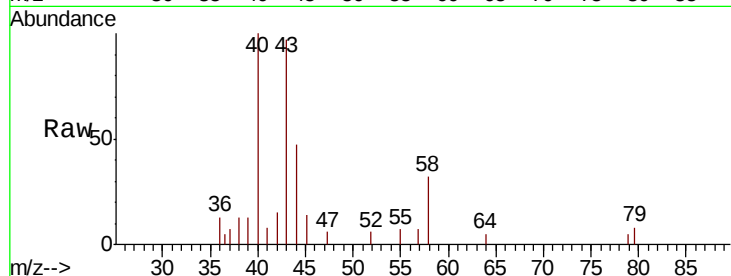
Z5-TB05-190506

Tot Ion: 43 Resp: 1932

Ion Ratio Lower Upper

43 100

58 36.4 24.9 37.3



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009376.D

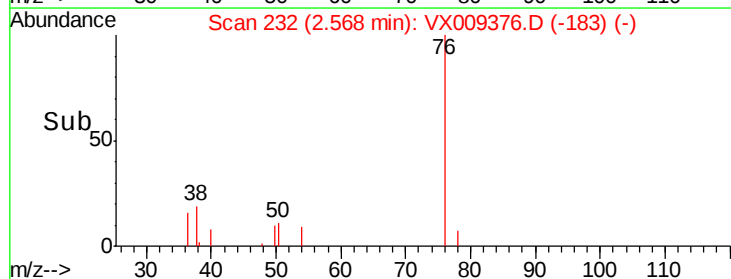
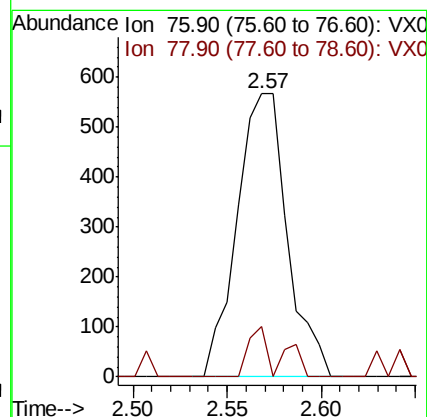
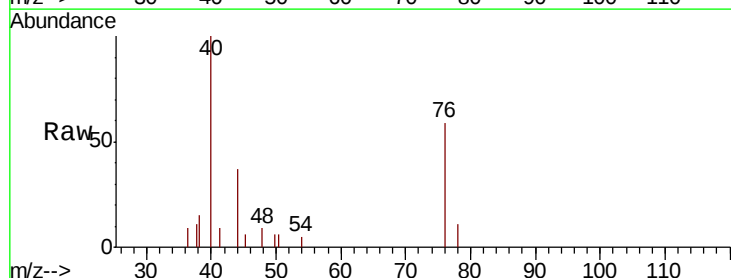
Acq: 07 May 2019 14:57

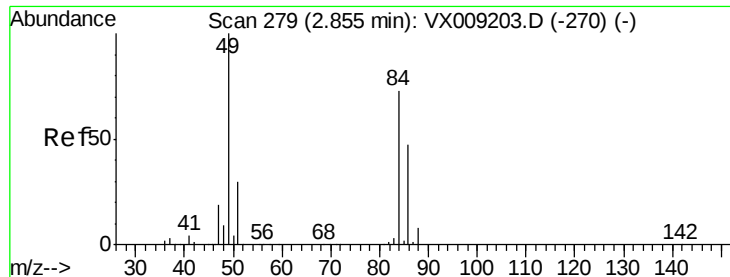
Tgt Ion: 76 Resp: 1050

Ion Ratio Lower Upper

76 100

78 18.0 7.4 11.0#

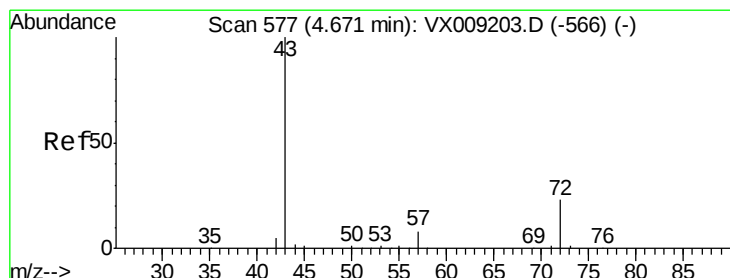
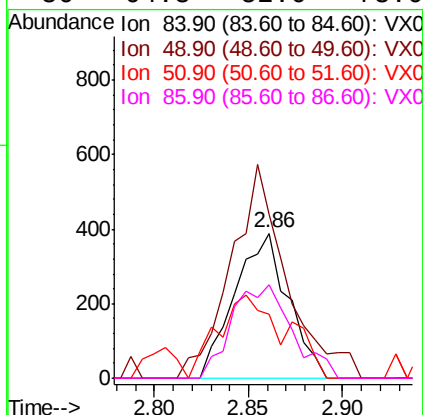
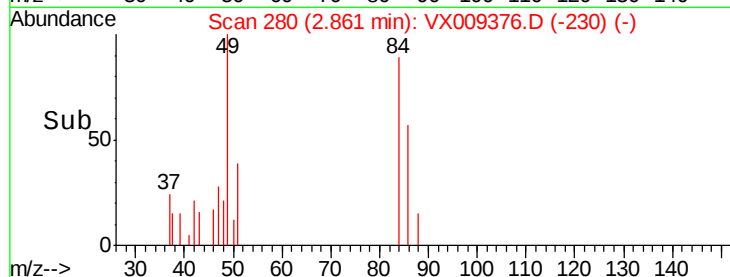
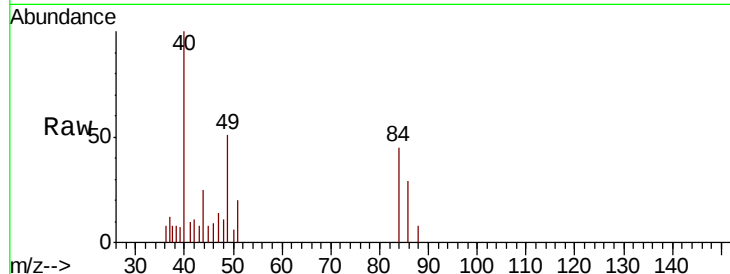




#20
Methvlene Chloride
Concen: 0.378 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

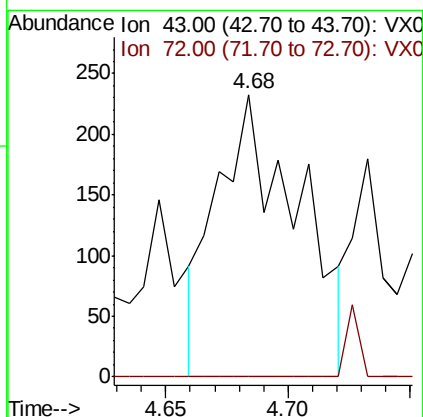
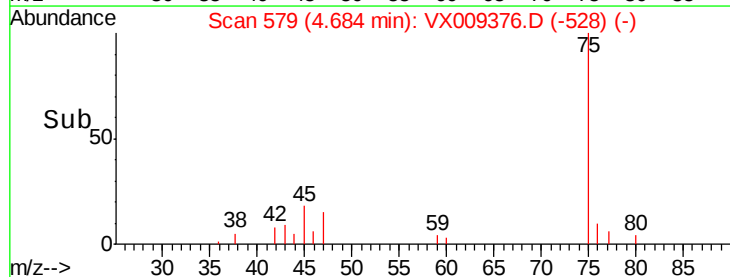
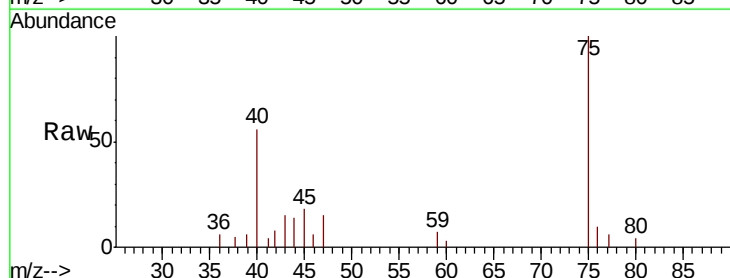
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB05-190506

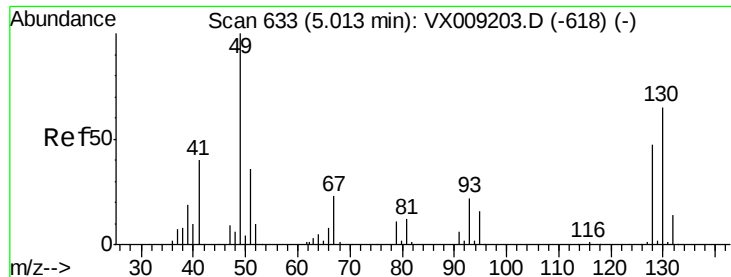
Tot Ion: 84 Resp: 766
Ion Ratio Lower Upper
84 100
49 98.5 109.9 164.9#
51 44.0 32.7 49.1
86 64.8 52.0 78.0



#25
2-Butanone
Concen: 0.276 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB05-190506

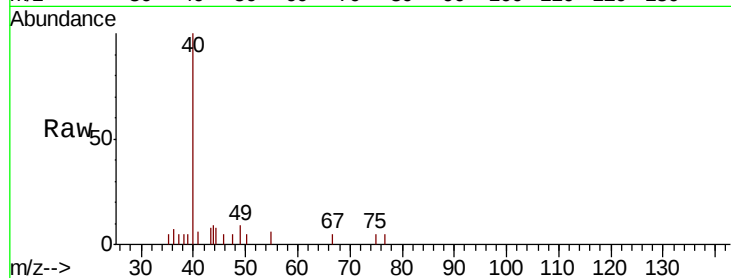
Tot Ion: 49 Resp: 53

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

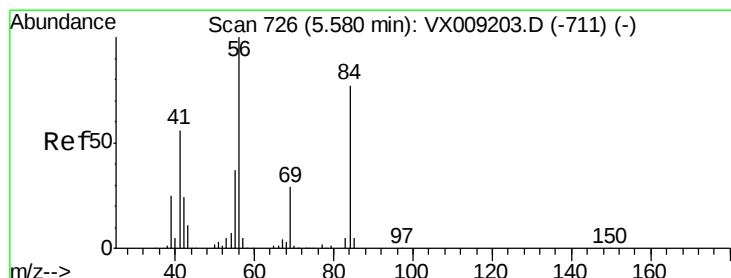
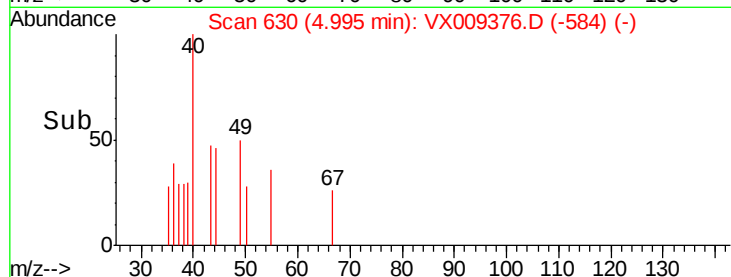
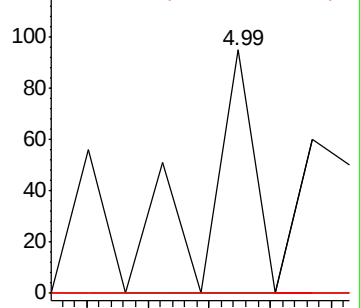
130 0.0 51.2 76.8#



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: 1.073 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

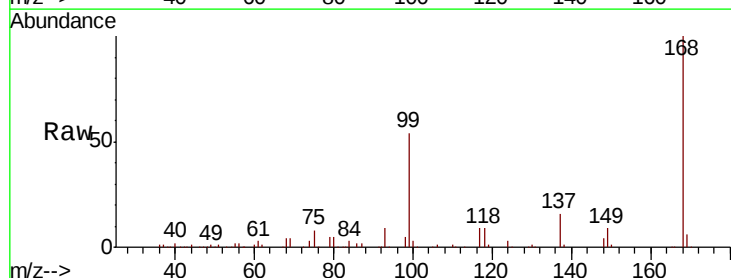
Tgt Ion: 56 Resp: 3695

Ion Ratio Lower Upper

56 100

69 164.1 23.4 35.0#

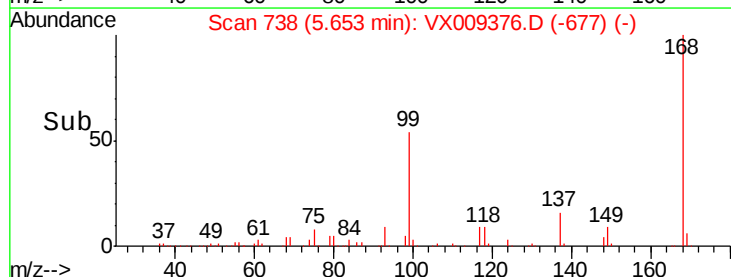
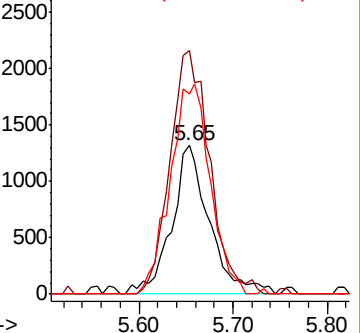
84 135.0 61.9 92.9#



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

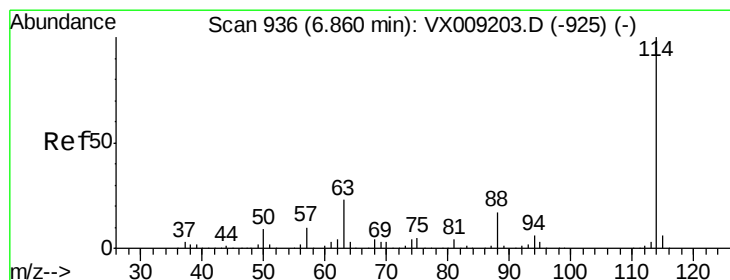
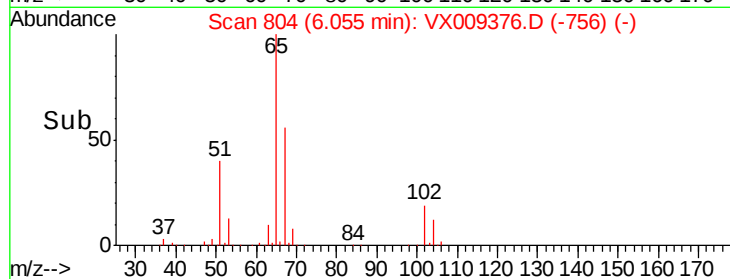
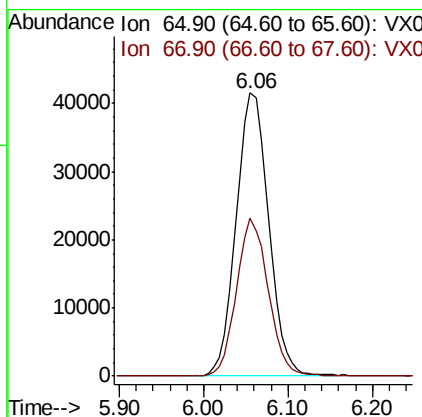
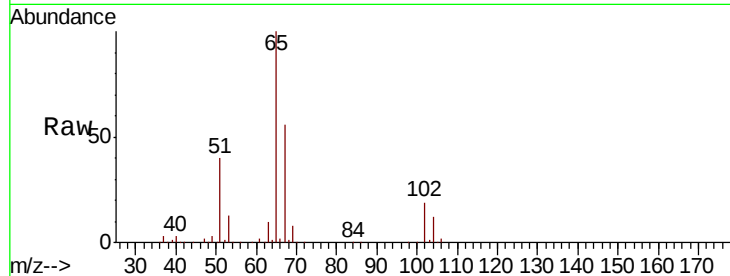




#33
 1,2-Dichloroethane-d4
 Concen: 46.642 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009376.D
 Acq: 07 May 2019 14:57

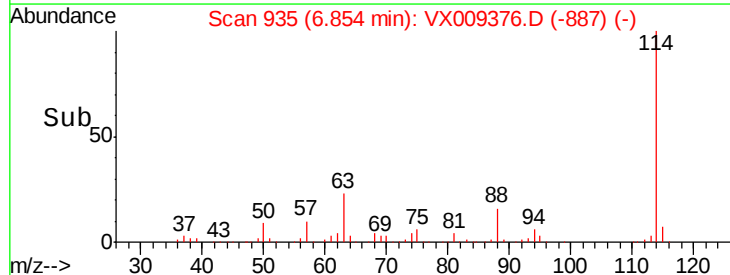
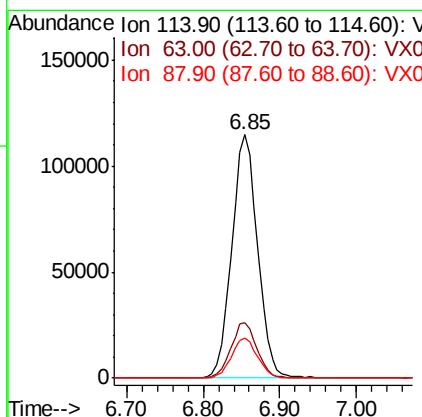
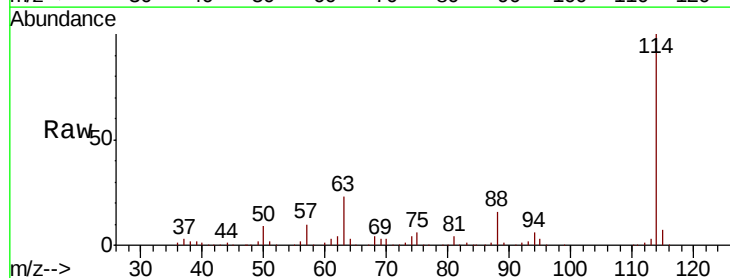
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-TB05-190506

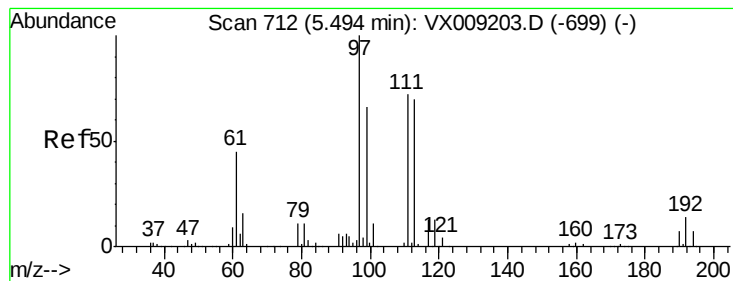
Tot Ion: 65 Resp: 108612
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009376.D
 Acq: 07 May 2019 14:57

Tgt Ion: 114 Resp: 267815
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.687 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB05-190506

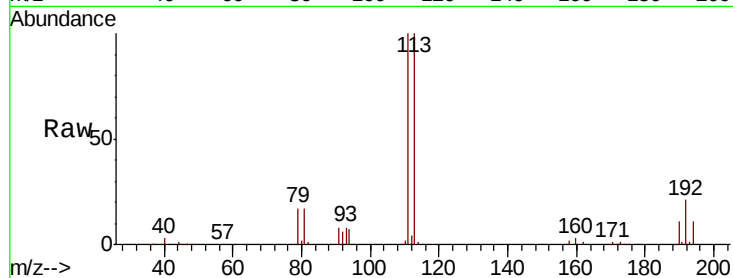
Tot Ion:113 Resp: 81969

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

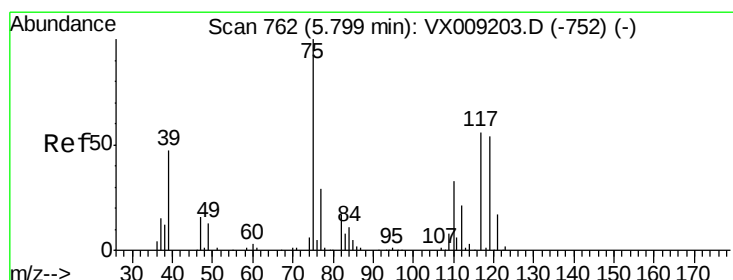
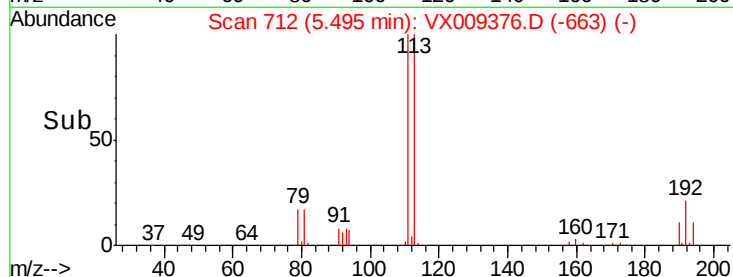
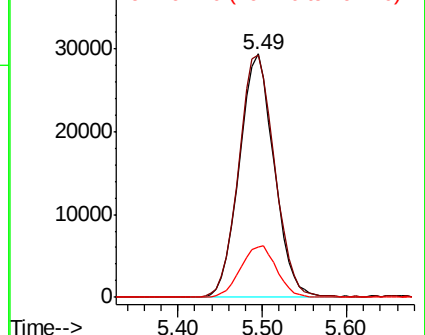
192 22.0 17.0 25.6



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: 5.287 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

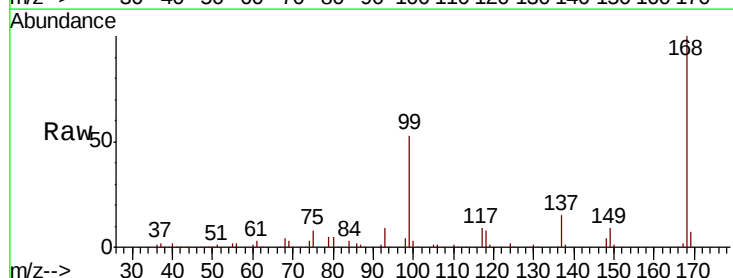
Tgt Ion: 75 Resp: 13159

Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.6#

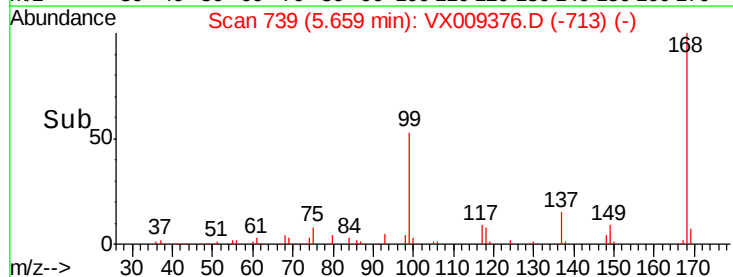
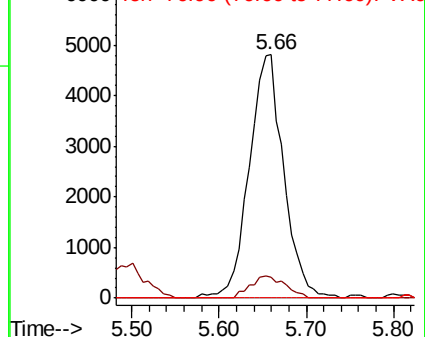
77 0.0 24.8 37.2#

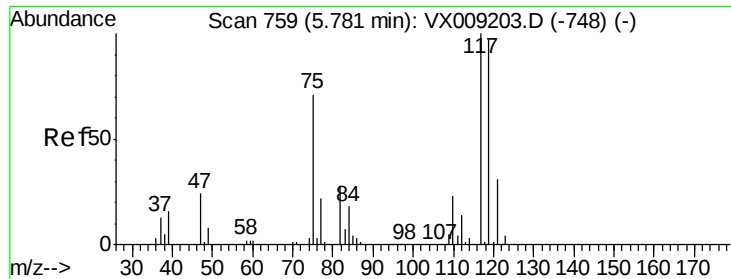


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.740 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB05-190506

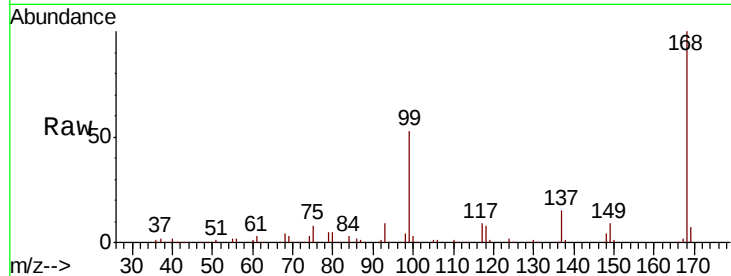
Tot Ion:117 Resp: 15241

Ion Ratio Lower Upper

117 100

119 7.3 77.5 116.3#

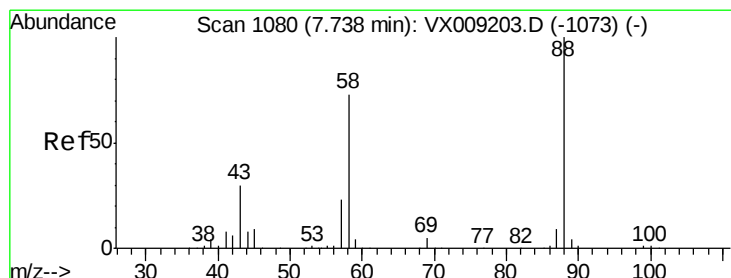
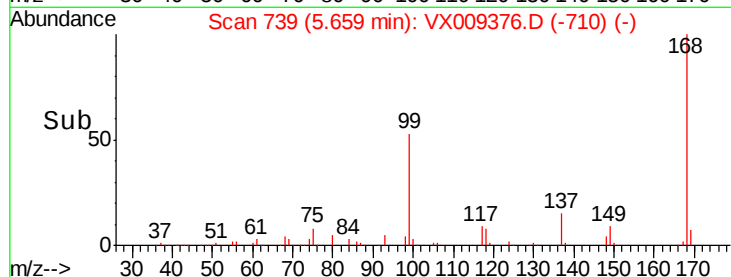
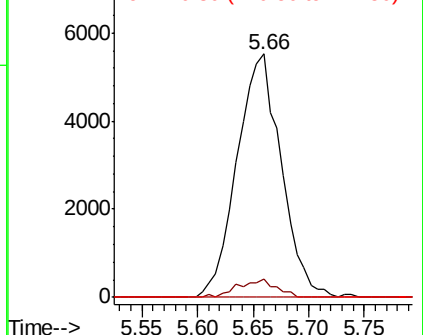
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.340 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

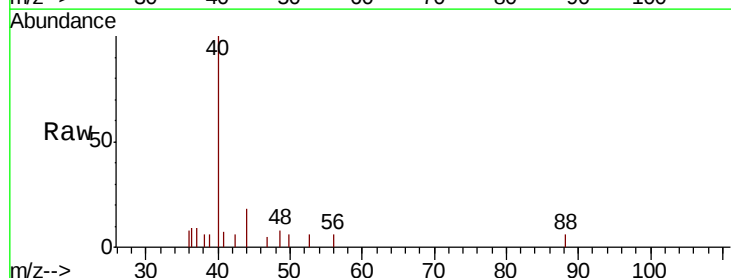
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 121.1 28.6 42.8#

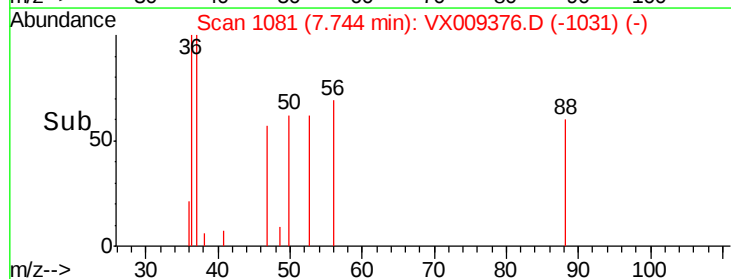
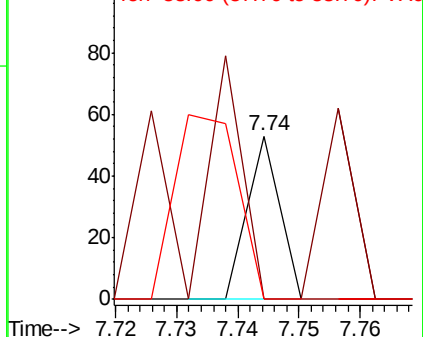
58 0.0 61.7 92.5#

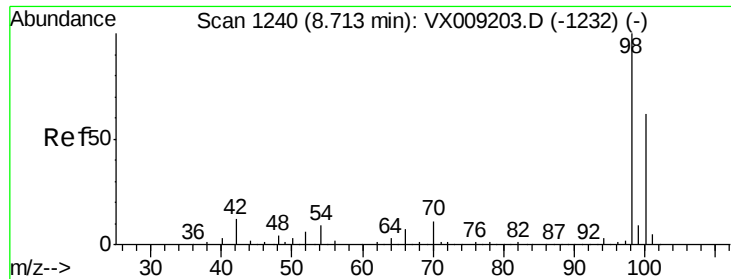


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

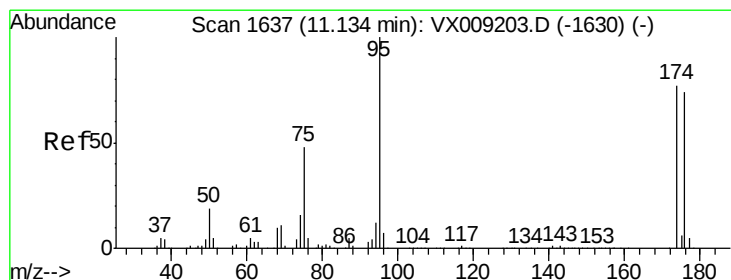
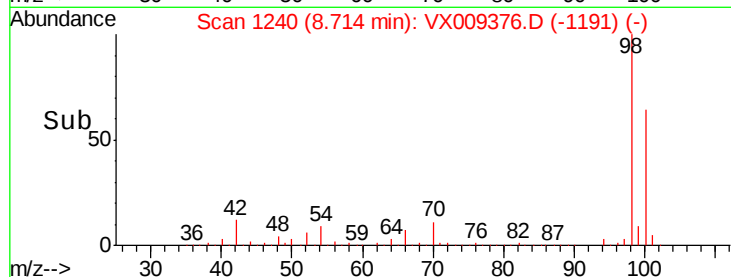
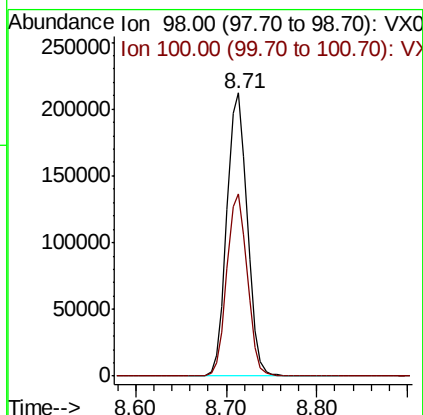
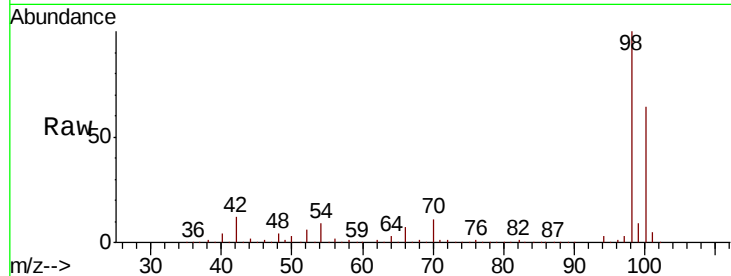




#50
Toluene-d8
Concen: 49.030 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

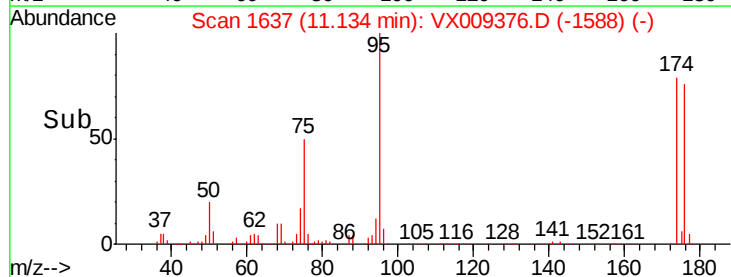
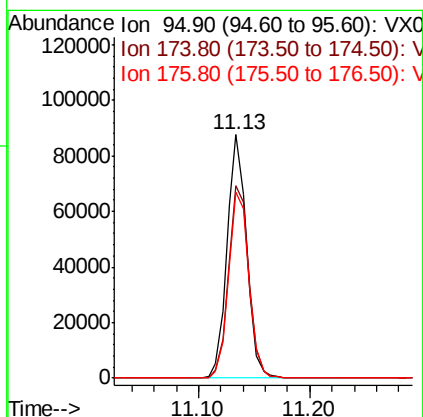
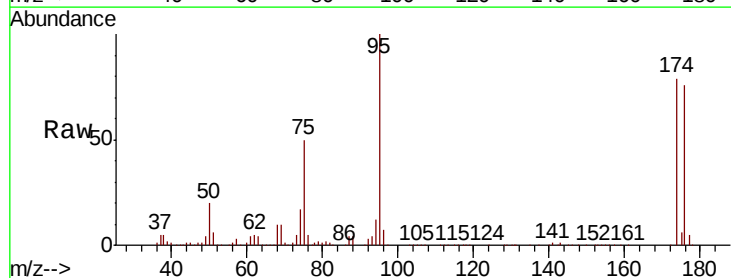
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB05-190506

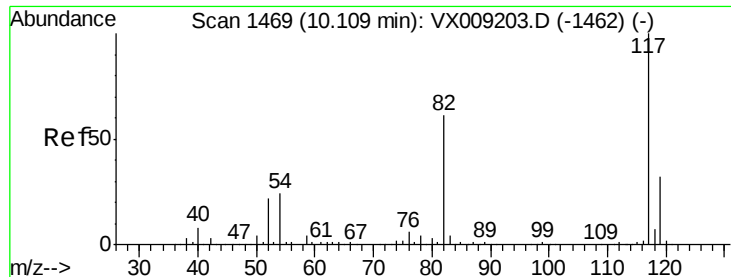
Tot Ion: 98 Resp: 333263
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 42.919 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

Tgt Ion: 95 Resp: 106001
Ion Ratio Lower Upper
95 100
174 82.4 0.0 161.6
176 79.5 0.0 159.2

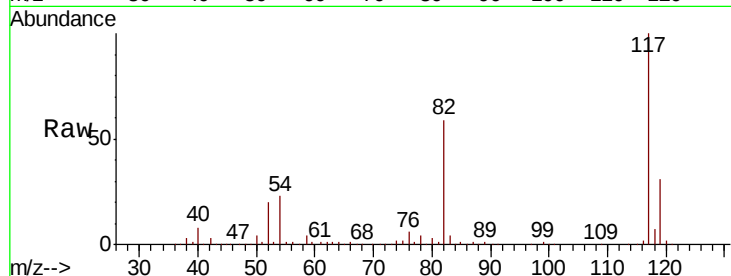




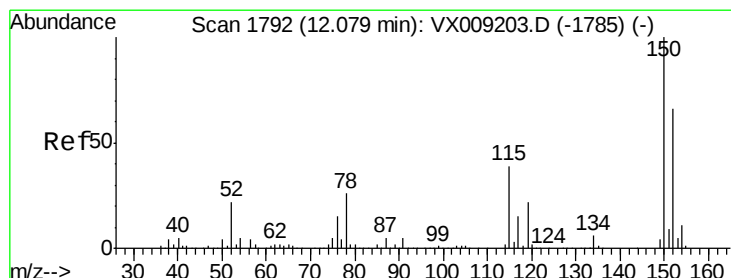
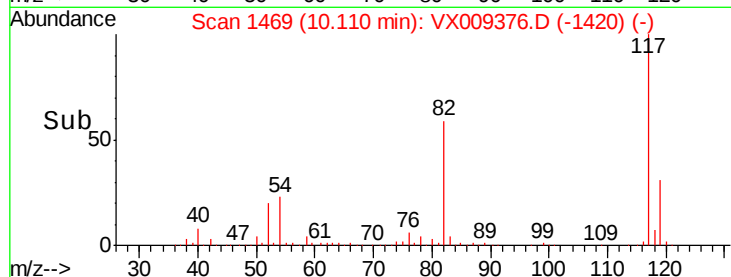
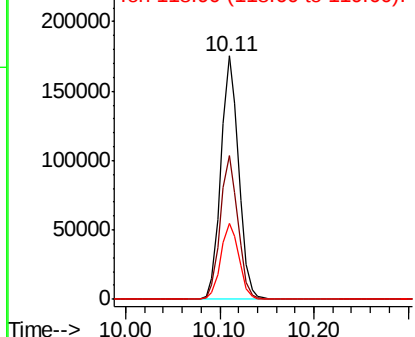
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
Z5-TB05-190506

Tot Ion:117 Resp: 229423
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.4 25.8 38.6

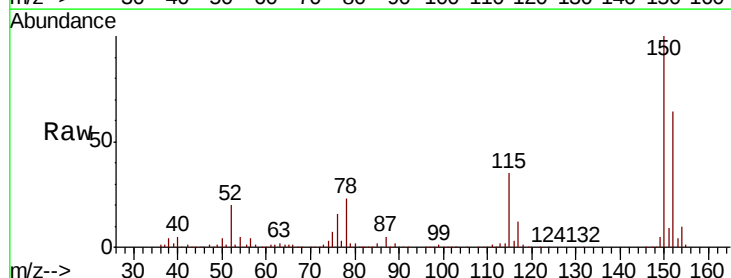


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

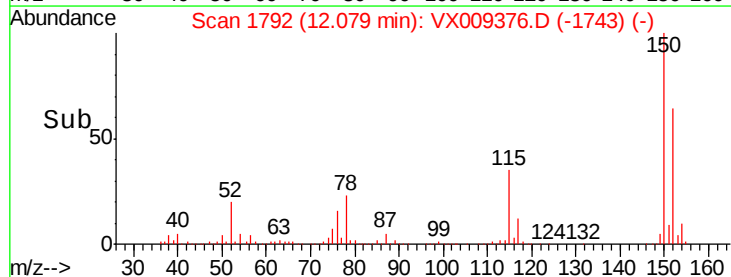
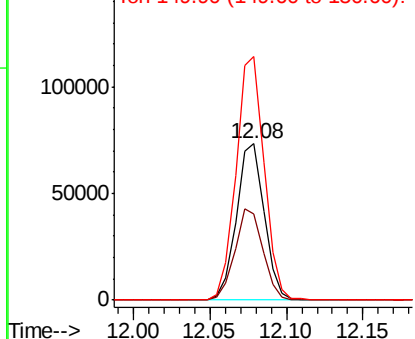


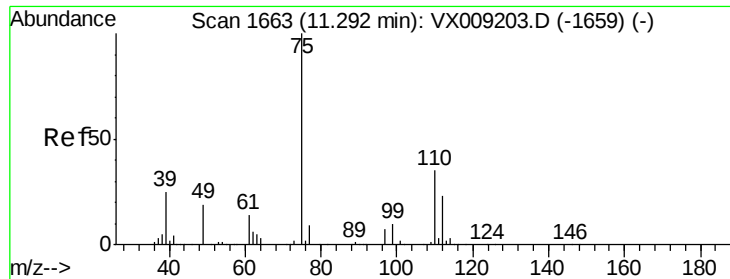
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009376.D
Acq: 07 May 2019 14:57

Tgt Ion:152 Resp: 92274
Ion Ratio Lower Upper
152 100
115 58.5 41.2 123.6
150 157.1 0.0 346.4



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: 24.927 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

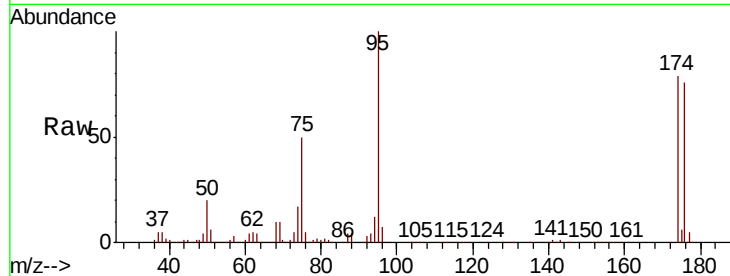
Z5-TB05-190506

Tot Ion: 75 Resp: 53355

Ion Ratio Lower Upper

75 100

77 1.2 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

40000

30000

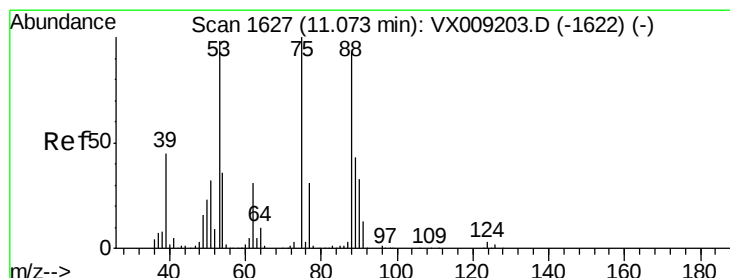
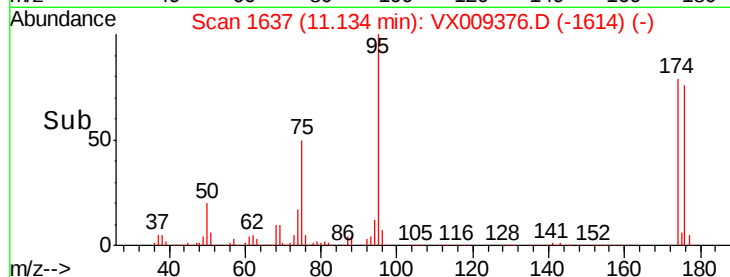
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 63.780 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009376.D

Acq: 07 May 2019 14:57

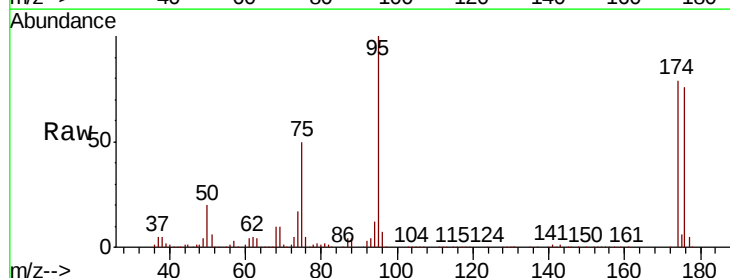
Tgt Ion: 75 Resp: 53355

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

Time-->

11.10 11.20

