

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010609.D
 Acq On : 02 Jul 2019 12:07
 Operator : JC/SP
 Sample : K3521-45
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3

Quant Time: Jul 15 05:50:54 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	5.67	168	249899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157142	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	122113	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.24%	
35) Dibromofluoromethane	5.50	113	118092	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
50) Toluene-d8	8.71	98	453329	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	150108	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	

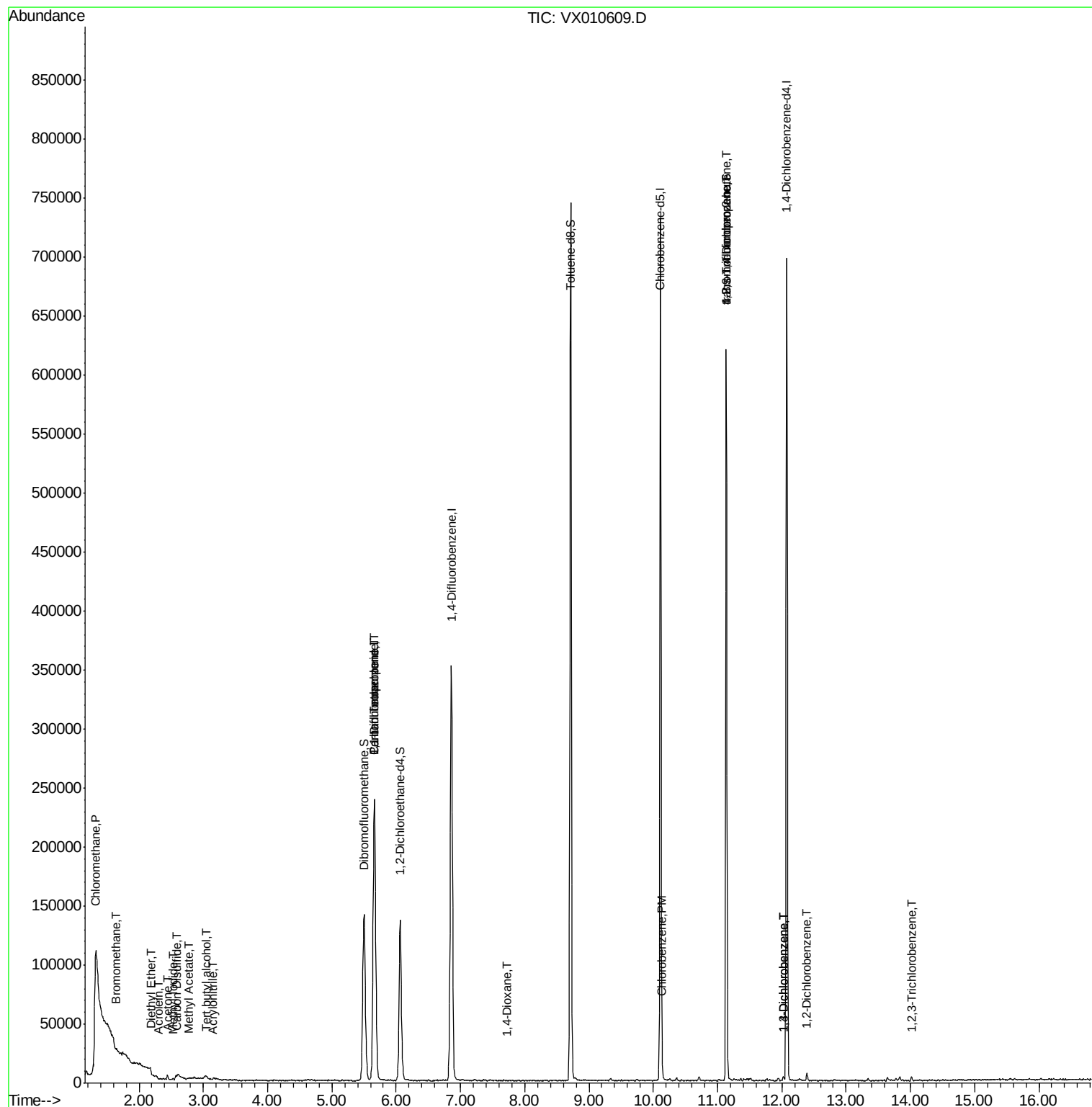
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	6428	3.177	ug/l #	68
5) Bromomethane	1.65	94	474	0.439	ug/l	92
8) Diethyl Ether	2.20	74	272	0.216	ug/l #	52
10) Methyl Iodide	2.52	142	967	0.318	ug/l #	77
11) Tert butyl alcohol	3.04	59	3023	4.931	ug/l #	92
13) Acrolein	2.29	56	98	0.241	ug/l #	14
15) Acrylonitrile	3.14	53	258	0.213	ug/l #	18
16) Acetone	2.44	43	3980	3.389	ug/l #	80
17) Carbon Disulfide	2.57	76	4939	0.850	ug/l	100
18) Methyl Acetate	2.77	43	709	0.303	ug/l #	61
36) 1,1-Dichloropropene	5.67	75	15609	5.120	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22539	6.828	ug/l #	15
49) 1,4-Dioxane	7.73	88	20	0.288	ug/l #	1
65) Chlorobenzene	10.14	112	2437	0.345	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	73010	25.496	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73010	59.480	ug/l #	16
87) 1,3-Dichlorobenzene	12.02	146	1109	0.214	ug/l	91
88) 1,4-Dichlorobenzene	12.02	146	1109	0.210	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	1432	0.278	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	757	0.213	ug/l	93

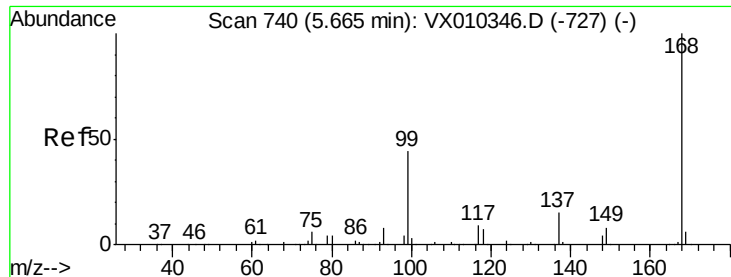
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

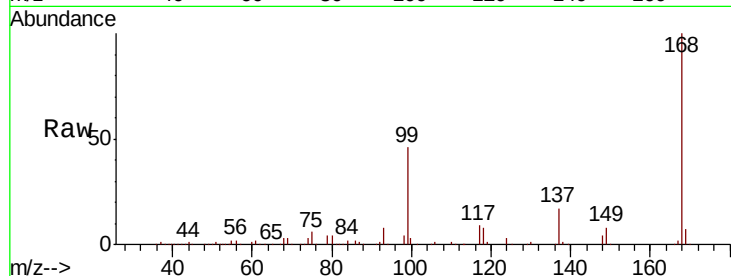
SY-3

Tot Ion:168 Resp: 249899

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

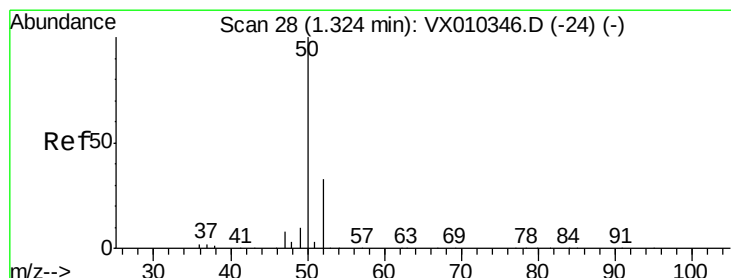
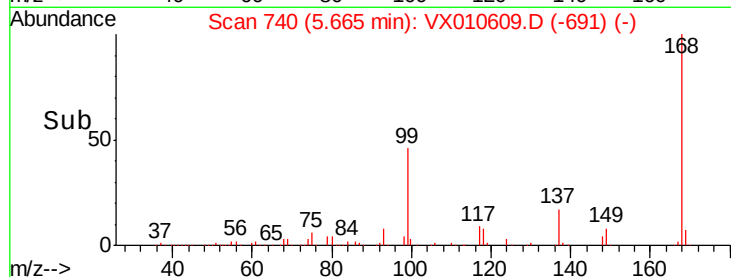
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 3.177 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010609.D

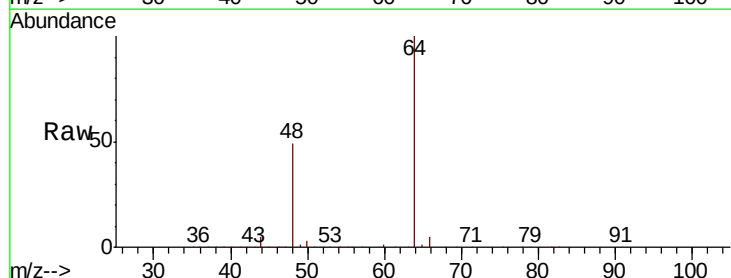
Acq: 02 Jul 2019 12:07

Tgt Ion: 50 Resp: 6428

Ion Ratio Lower Upper

50 100

52 14.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

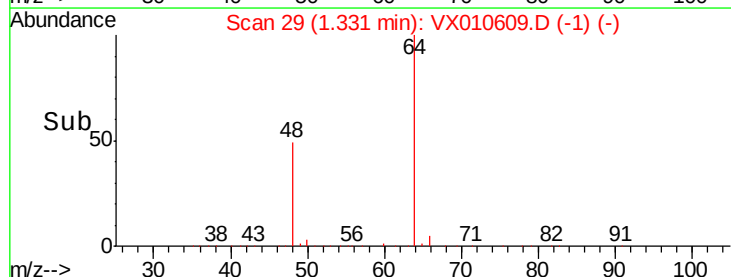
1500

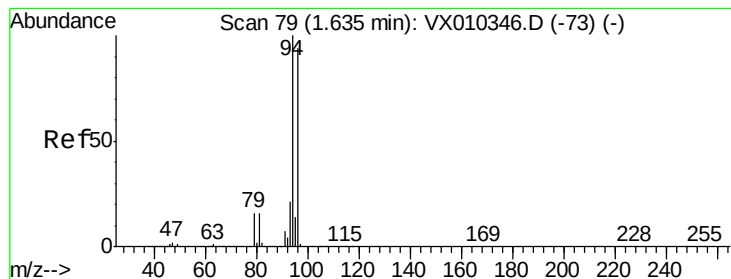
1000

500

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.439 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

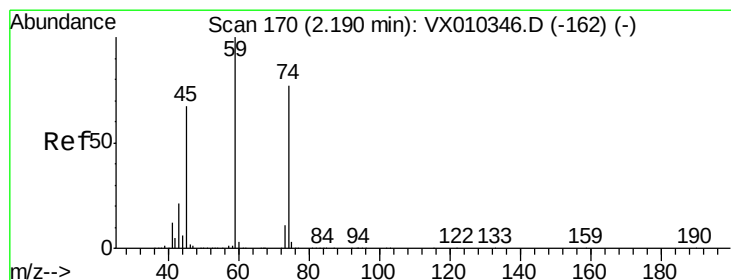
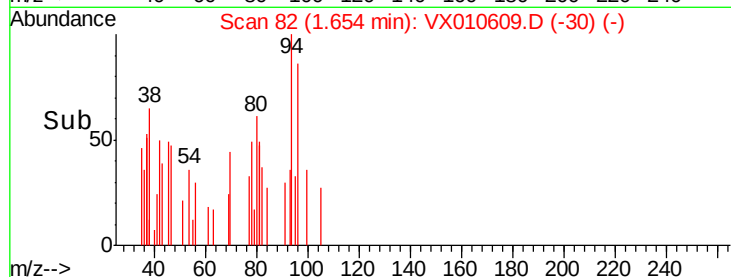
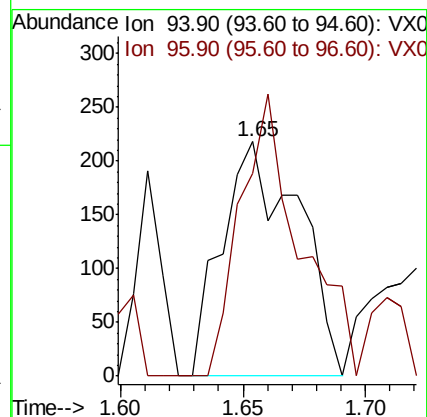
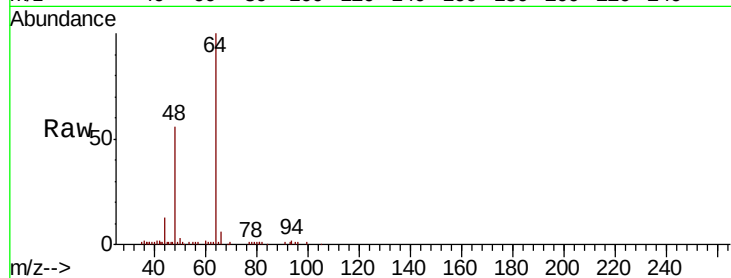
SY-3

Tot Ion: 94 Resp: 474

Ion Ratio Lower Upper

94 100

96 86.2 75.5 113.3



#8

Diethyl Ether

Concen: 0.216 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX010609.D

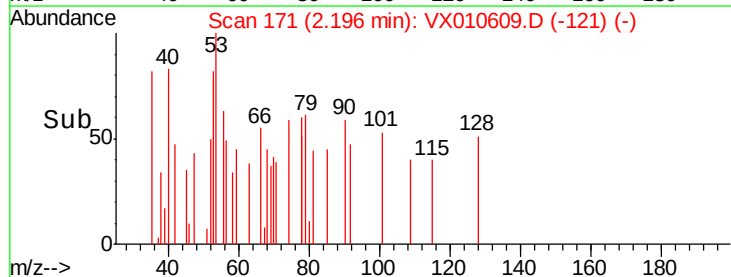
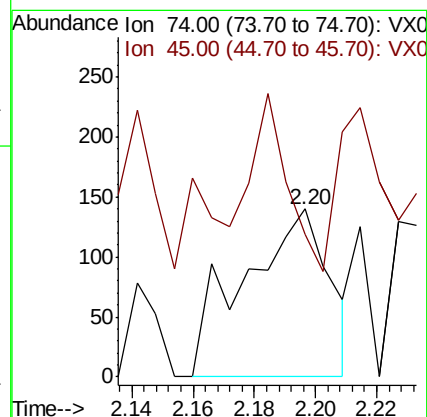
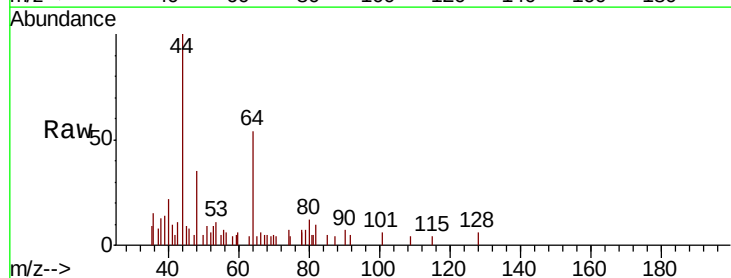
Acq: 02 Jul 2019 12:07

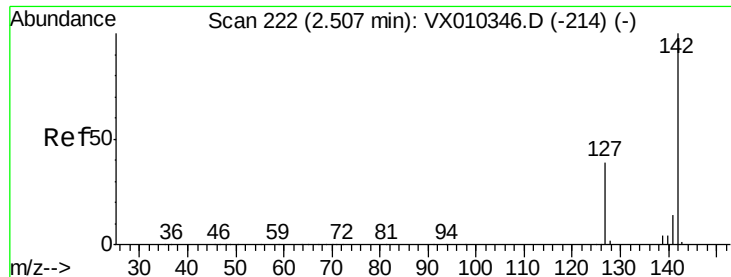
Tgt Ion: 74 Resp: 272

Ion Ratio Lower Upper

74 100

45 44.1 44.8 134.4#

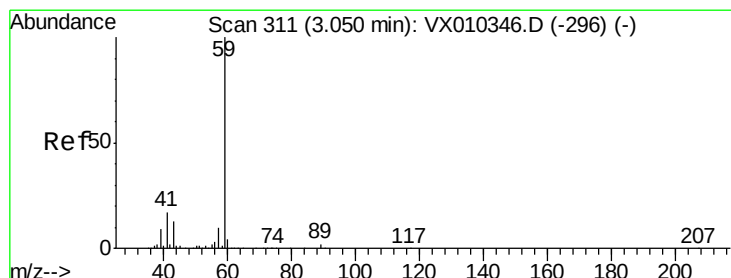
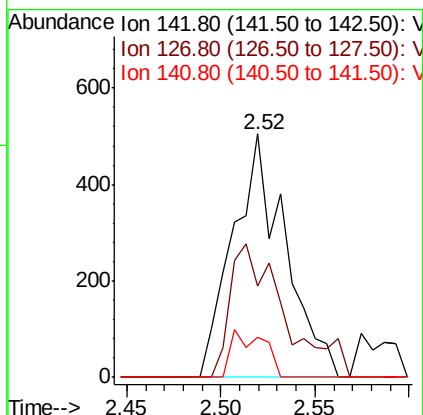
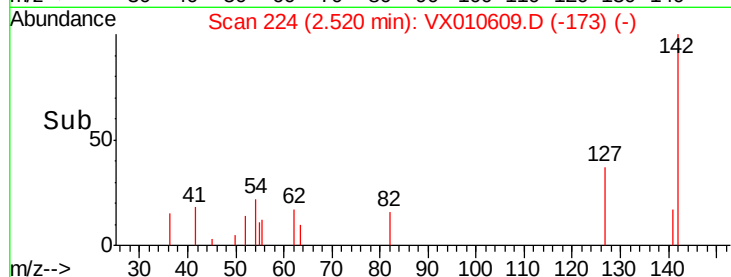
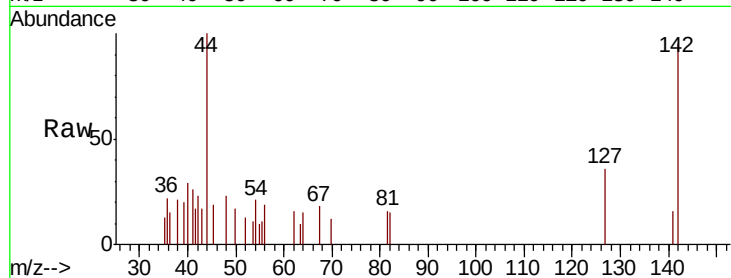




#10
Methvl Iodide
Concen: 0.318 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

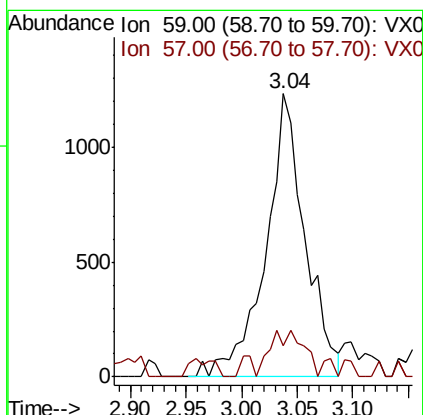
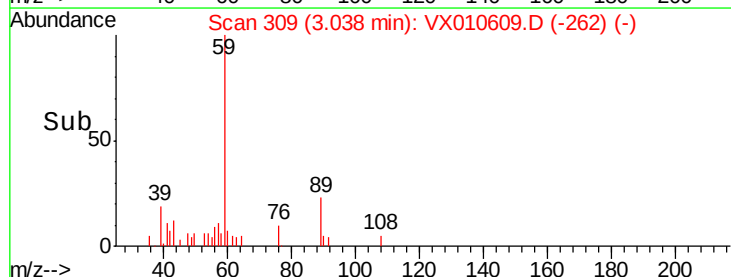
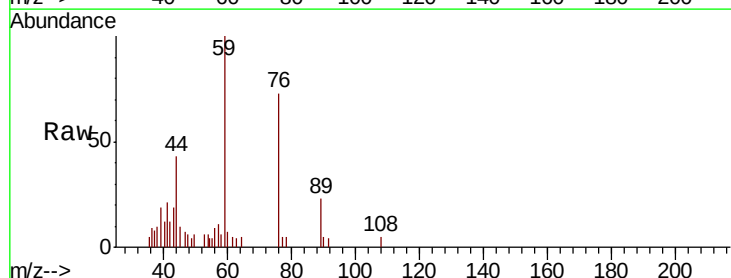
Instrument :
MSVOA_X
ClientSampleId :
SY-3

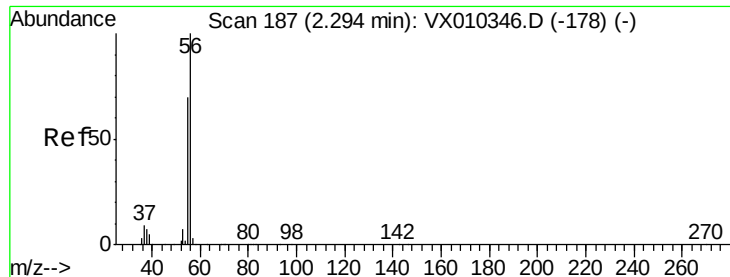
Tot Ion:142 Resp: 967
Ion Ratio Lower Upper
142 100
127 57.2 31.1 46.7#
141 12.0 11.2 16.8



#11
Tert butyl alcohol
Concen: 4.931 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

Tgt Ion: 59 Resp: 3023
Ion Ratio Lower Upper
59 100
57 6.7 7.7 11.5#





#13

Acrolein

Concen: 0.241 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

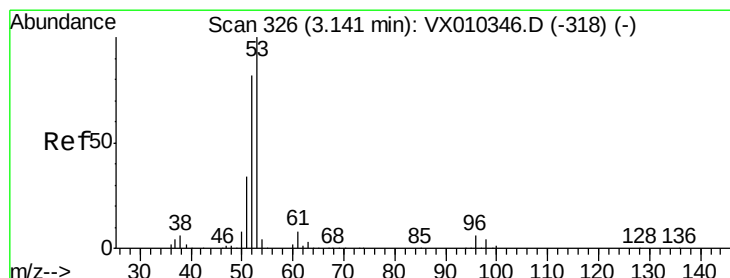
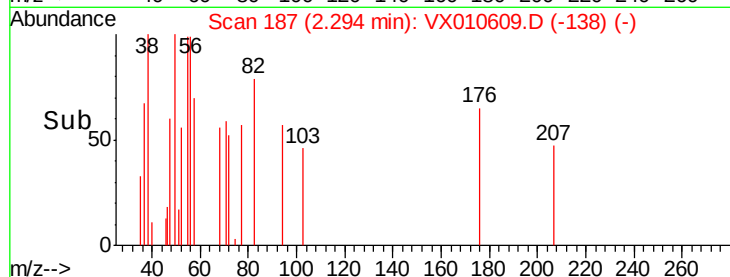
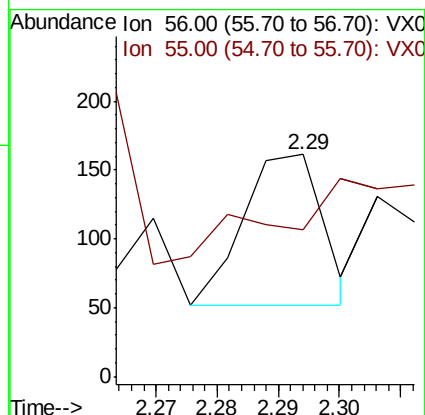
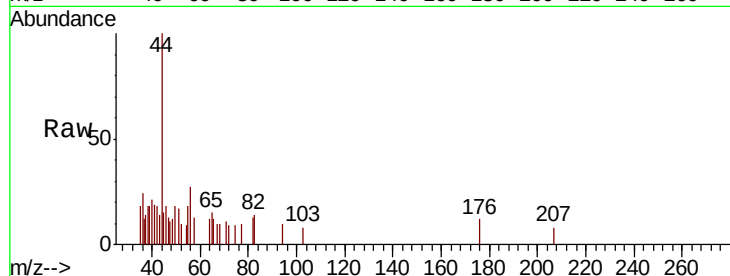
SY-3

Tot Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

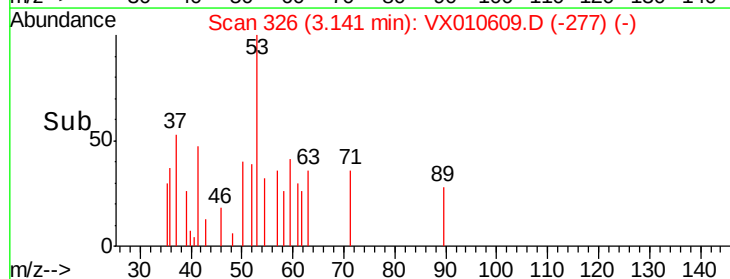
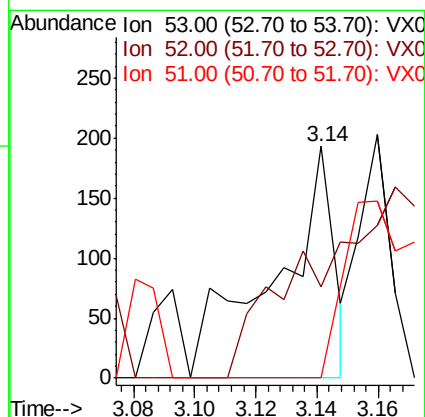
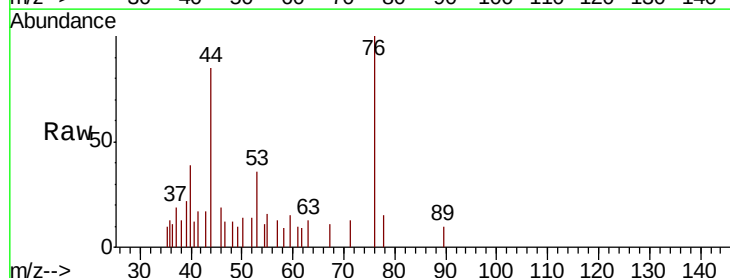
Tgt Ion: 53 Resp: 258

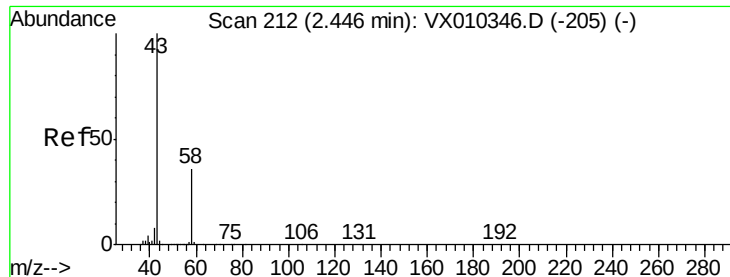
Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

51 0.0 28.2 42.4#





#16

Acetone

Concen: 3.389 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

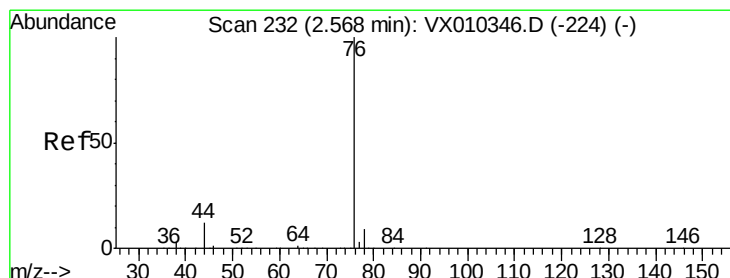
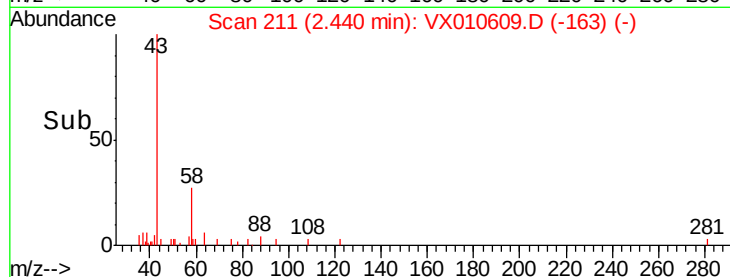
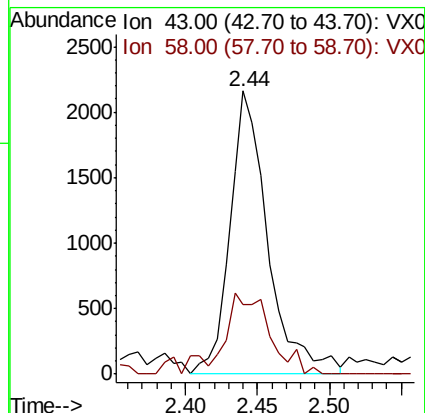
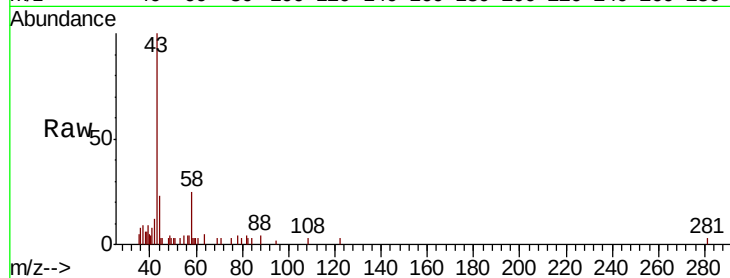
SY-3

Tot Ion: 43 Resp: 3980

Ion Ratio Lower Upper

43 100

58 24.6 28.9 43.3#



#17

Carbon Disulfide

Concen: 0.850 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010609.D

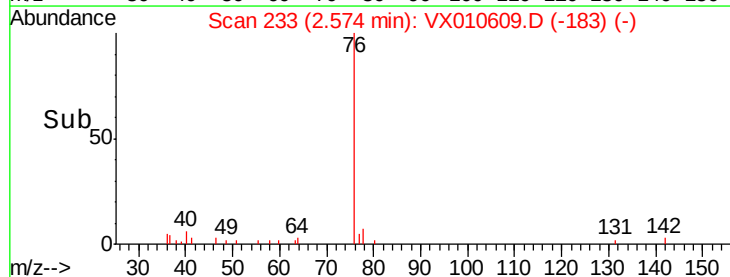
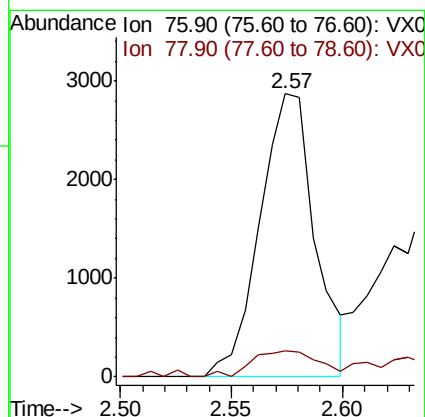
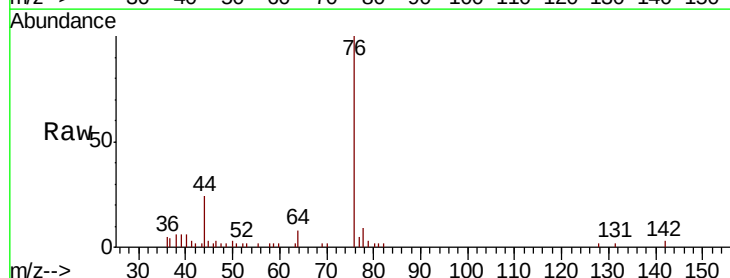
Acq: 02 Jul 2019 12:07

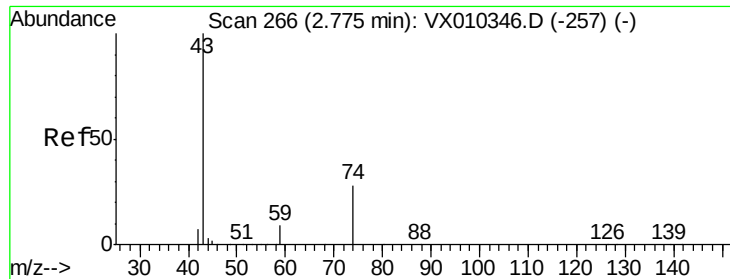
Tgt Ion: 76 Resp: 4939

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

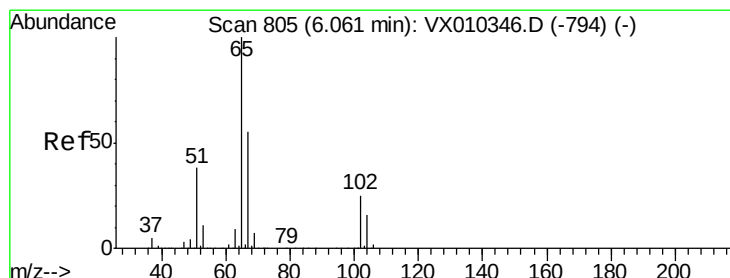
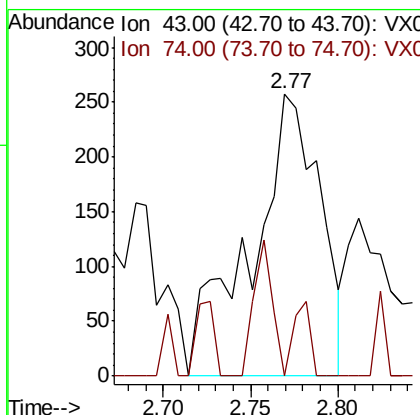
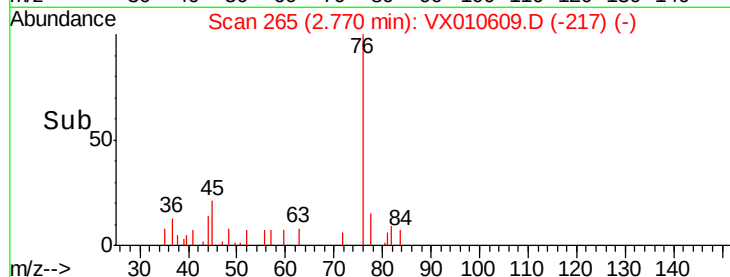
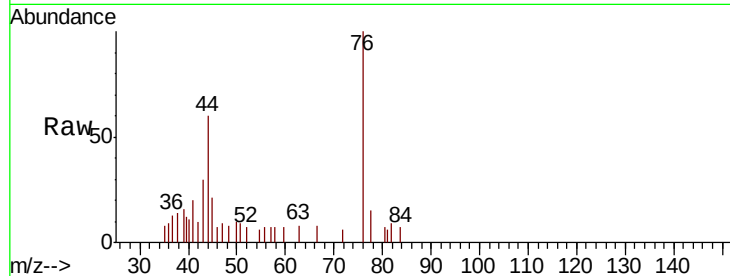




#18
Methvl Acetate
Concen: 0.303 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

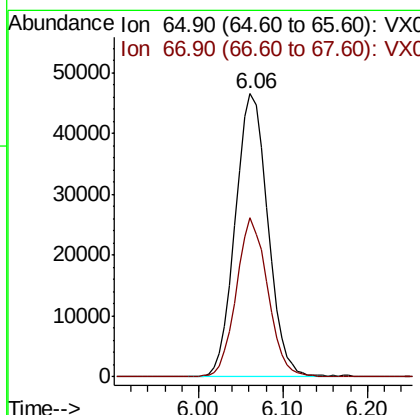
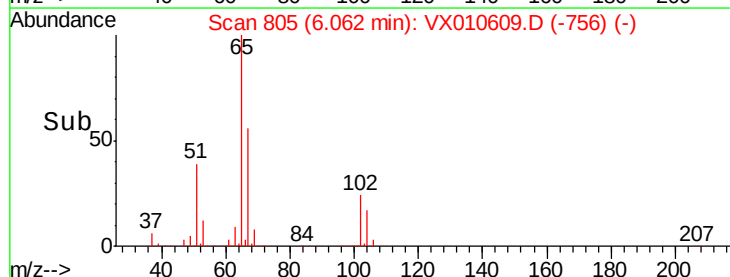
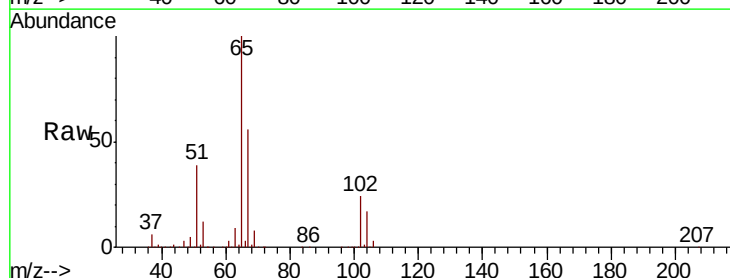
Instrument :
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ClientSampled :
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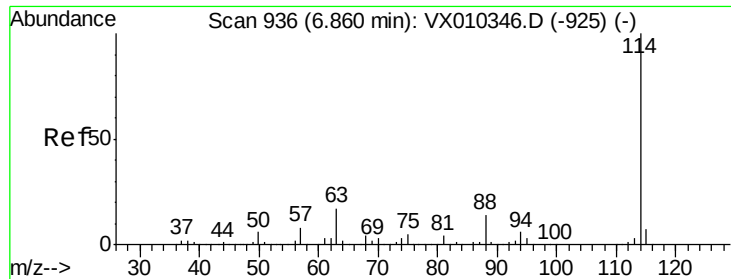
Tot Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
74 6.3 21.3 31.9#



#33
1,2-Dichloroethane-d4
Concen: 52.117 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

Tgt Ion: 65 Resp: 122113
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.2

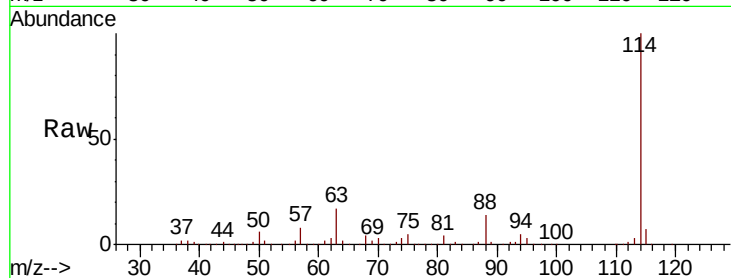




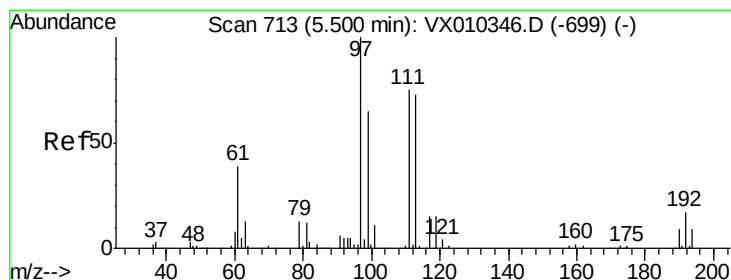
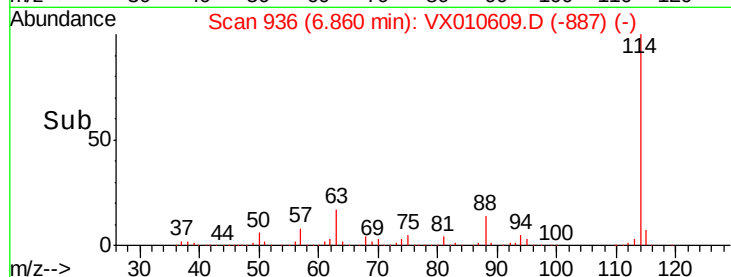
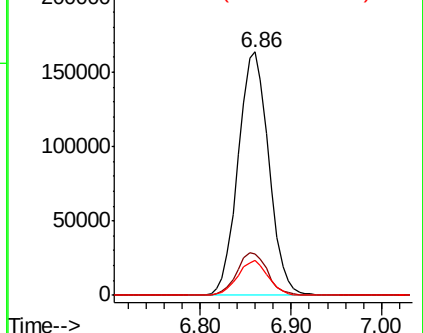
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
SY-3

Tot Ion:114 Resp: 383632
Ion Ratio Lower Upper
114 100
63 17.0 0.0 33.8
88 14.4 0.0 27.6

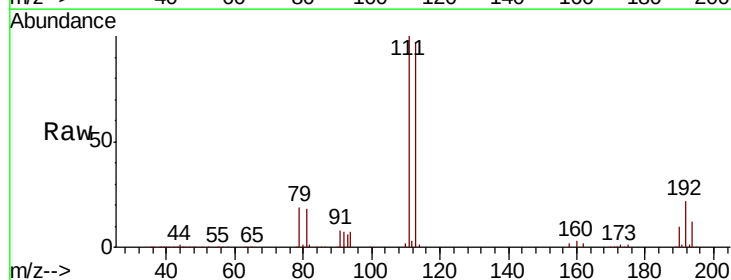


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

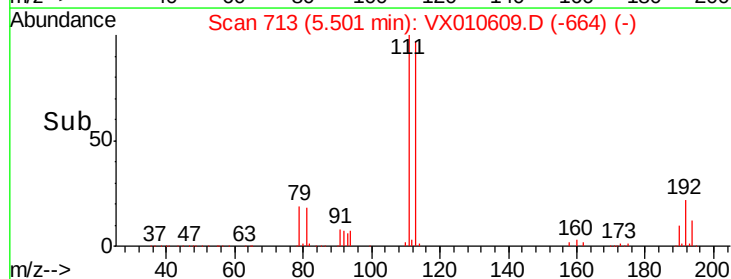
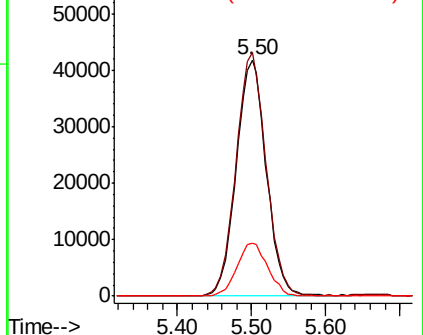


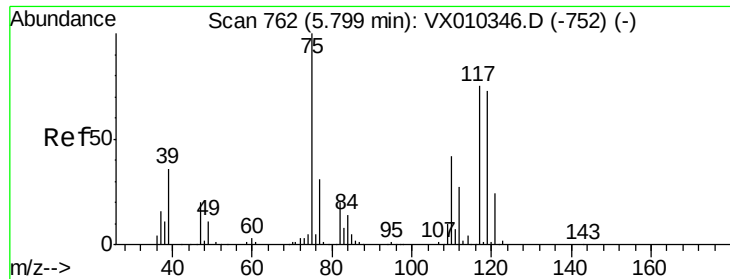
#35
Dibromofluoromethane
Concen: 50.312 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

Tgt Ion:113 Resp: 118092
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 23.1 18.6 27.8



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

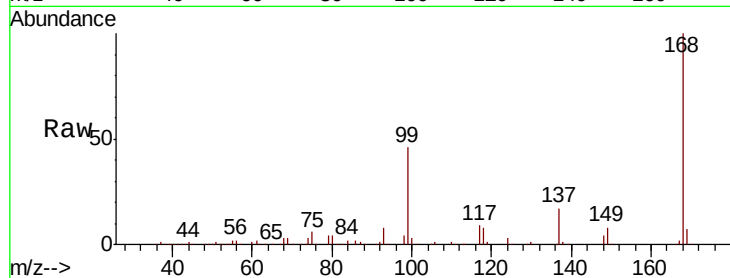




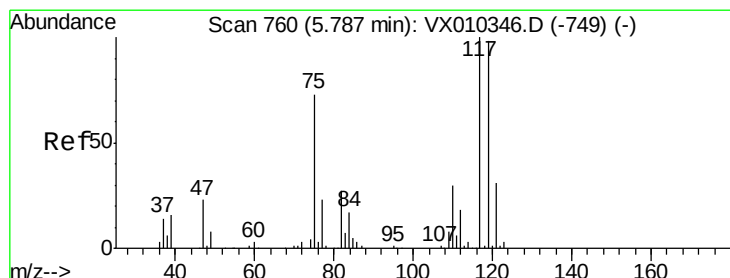
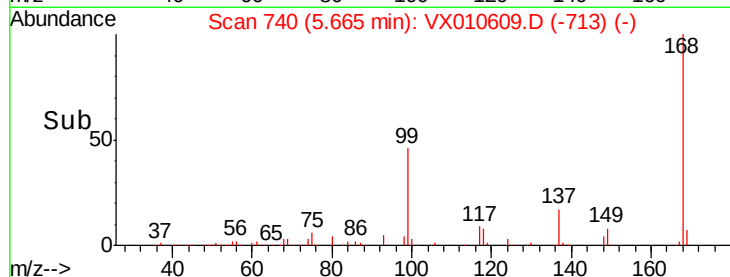
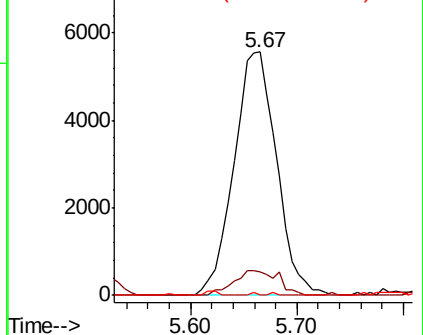
#36
 1,1-Dichloropropene
 Concen: 5.120 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010609.D
 Acq: 02 Jul 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.8	62.2#
77	0.1	25.4	38.0#

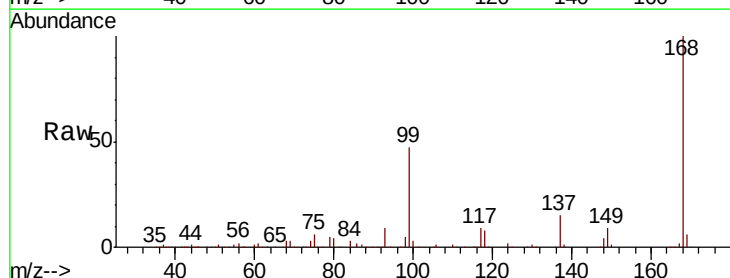


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

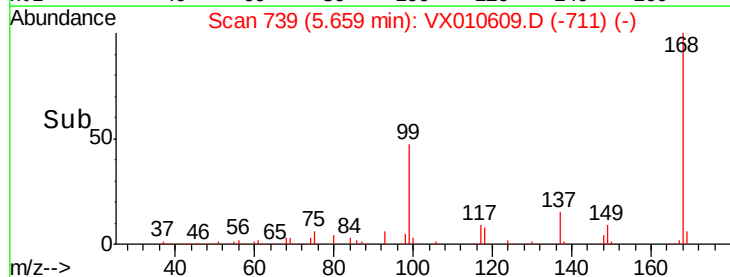
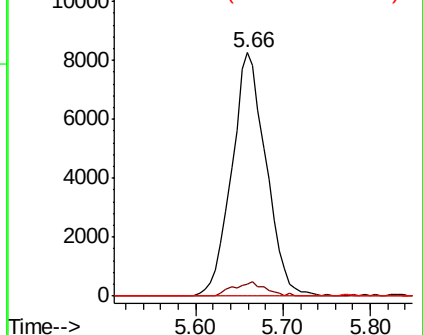


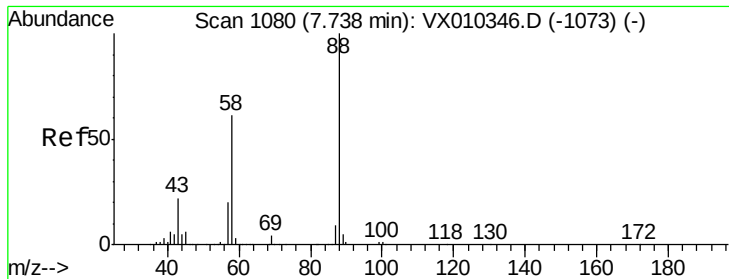
#38
 Carbon Tetrachloride
 Concen: 6.828 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010609.D
 Acq: 02 Jul 2019 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.4#
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: 0.288 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

SY-3

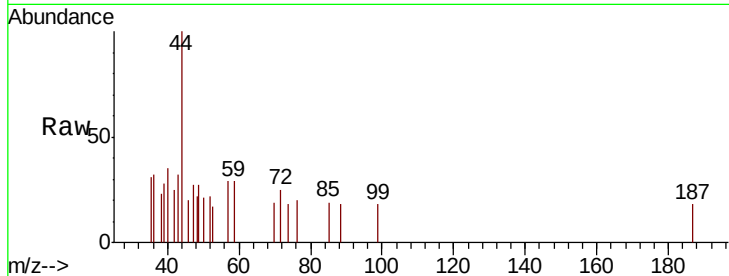
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

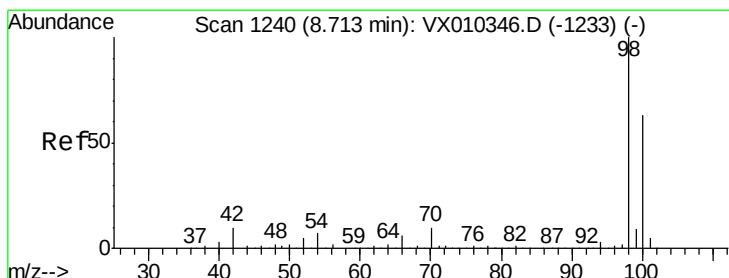
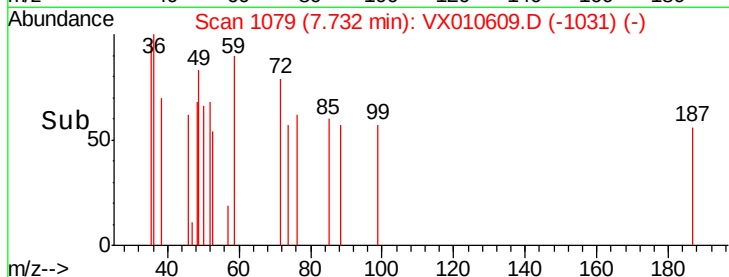
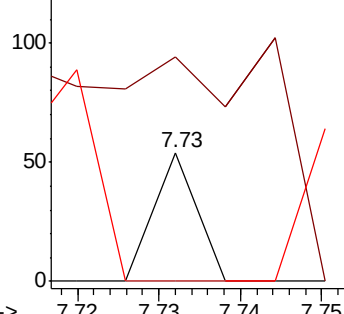
58 655.0 49.5 74.3#



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: 50.482 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010609.D

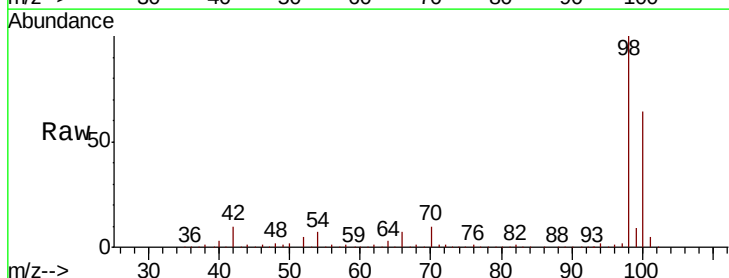
Acq: 02 Jul 2019 12:07

Tgt Ion: 98 Resp: 453329

Ion Ratio Lower Upper

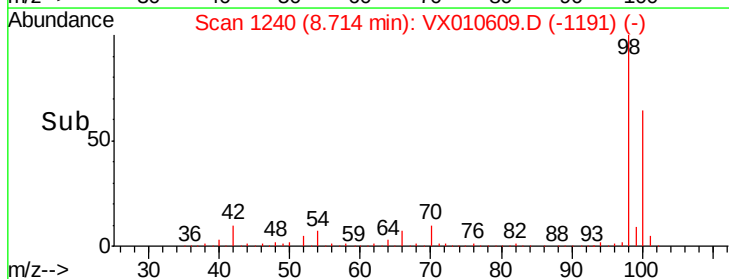
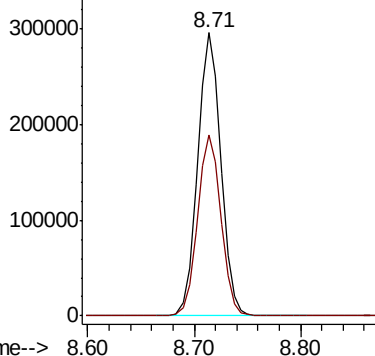
98 100

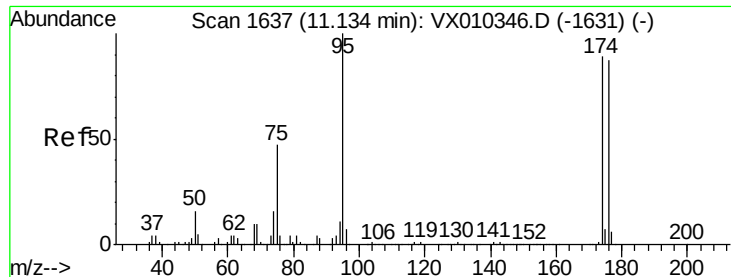
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

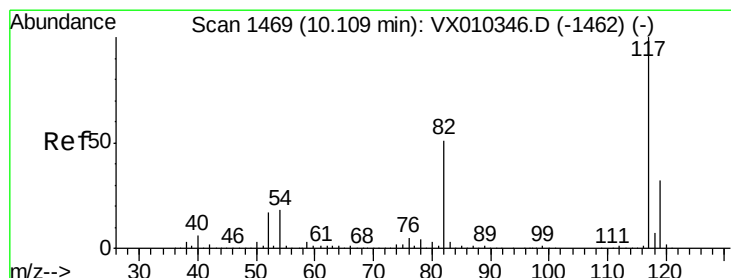
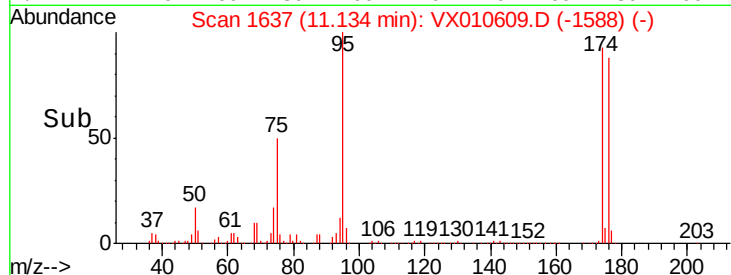
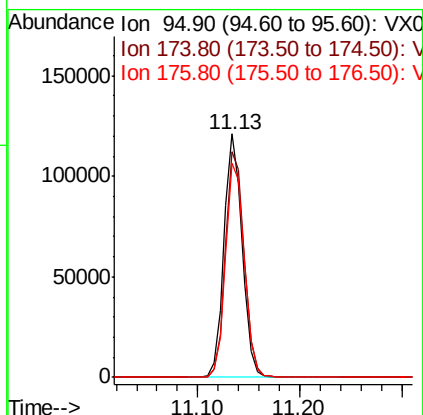
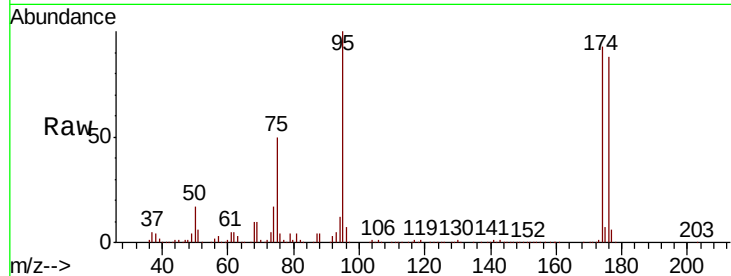




#62
4-Bromofluorobenzene
Concen: 46.301 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

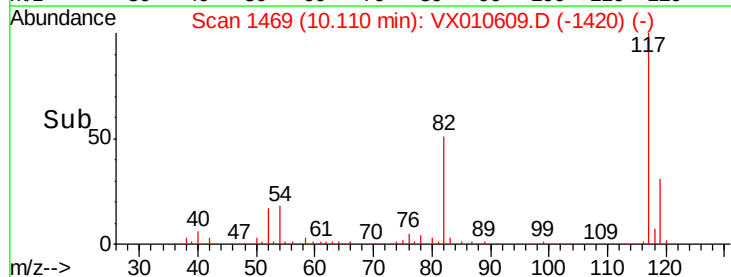
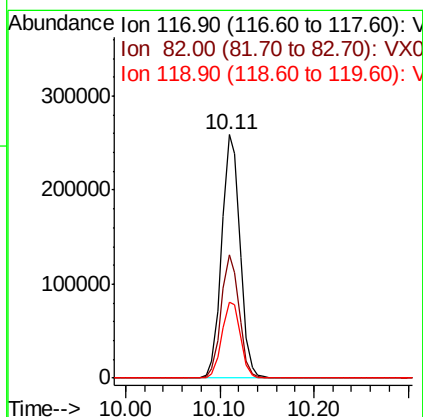
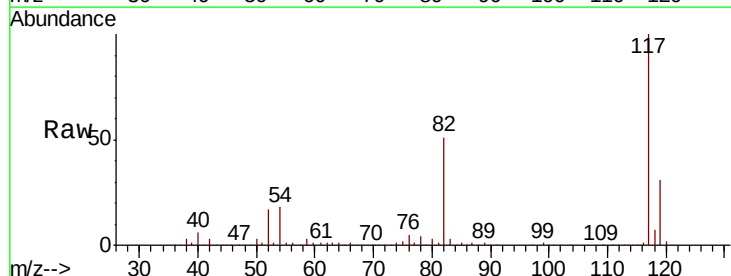
Instrument :
MSVOA_X
ClientSampleId :
SY-3

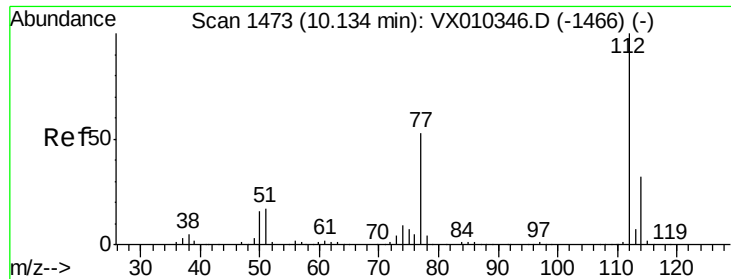
Tot Ion: 95 Resp: 150108
Ion Ratio Lower Upper
95 100
174 95.0 0.0 187.6
176 90.6 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

Tgt Ion: 117 Resp: 348068
Ion Ratio Lower Upper
117 100
82 50.8 41.2 61.8
119 31.4 25.5 38.3

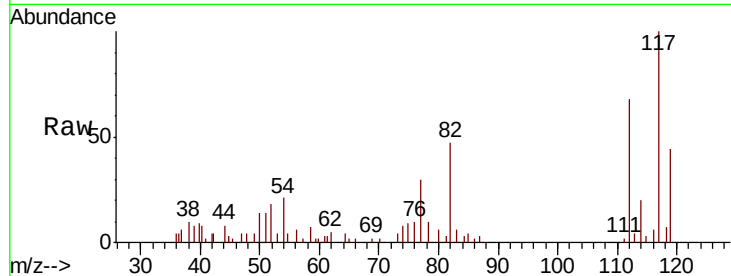




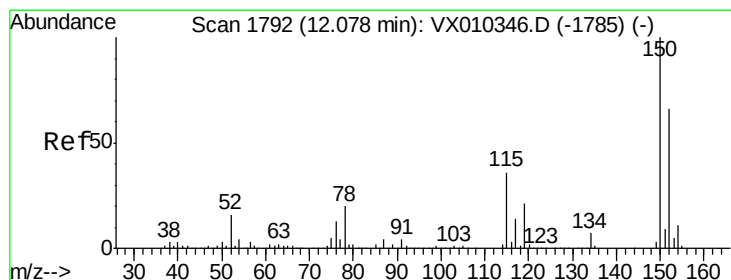
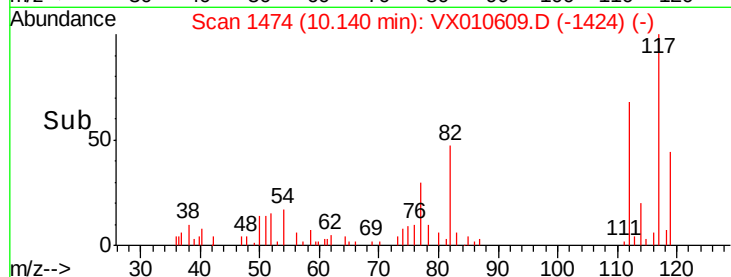
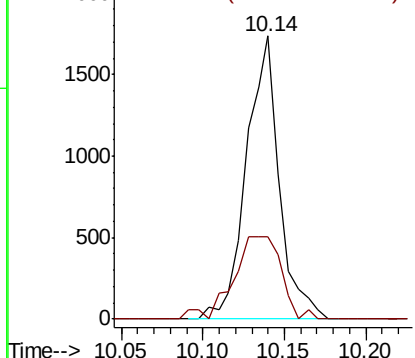
#65
Chlorobenzene
Concen: 0.345 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

Instrument :
MSVOA_X
ClientSampled :
SY-3

Tot Ion:112 Resp: 2437
Ion Ratio Lower Upper
112 100
114 29.3 25.4 38.2

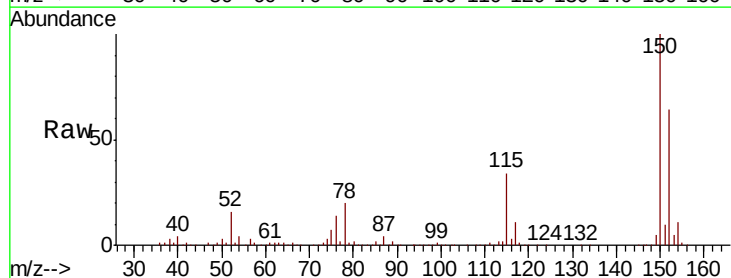


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

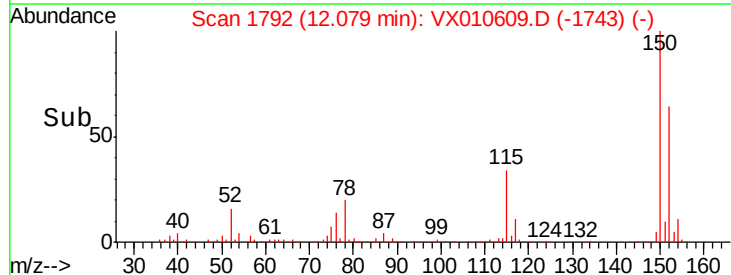
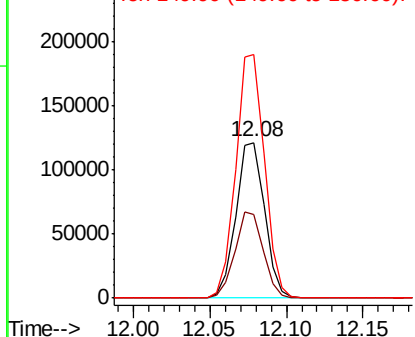


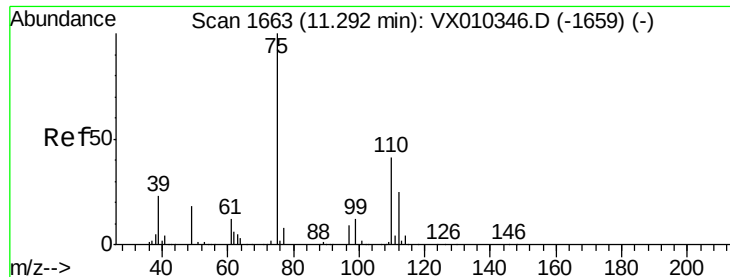
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010609.D
Acq: 02 Jul 2019 12:07

Tgt Ion:152 Resp: 157142
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 156.7 0.0 347.4



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: 25.496 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

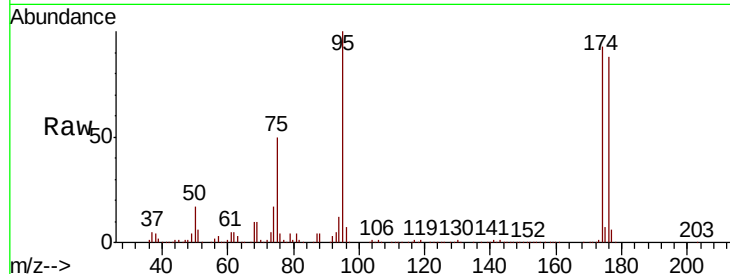
SY-3

Tot Ion: 75 Resp: 73010

Ion Ratio Lower Upper

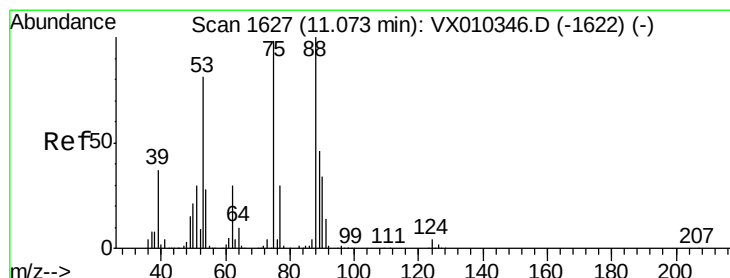
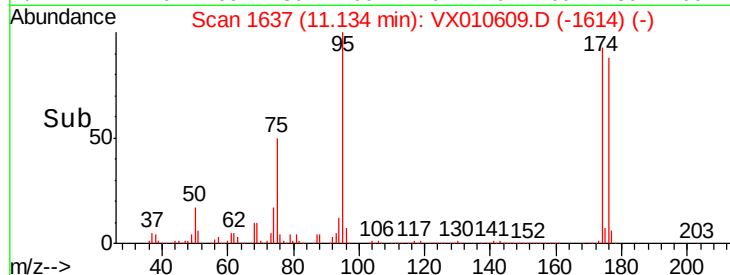
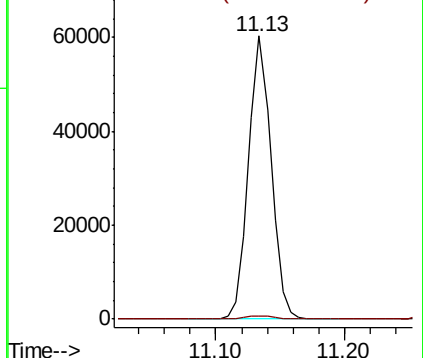
75 100

77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.480 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010609.D

Acq: 02 Jul 2019 12:07

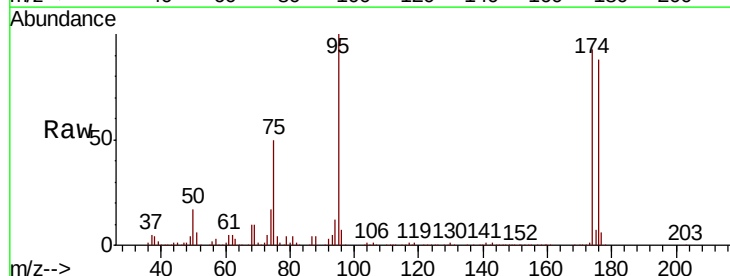
Tgt Ion: 75 Resp: 73010

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

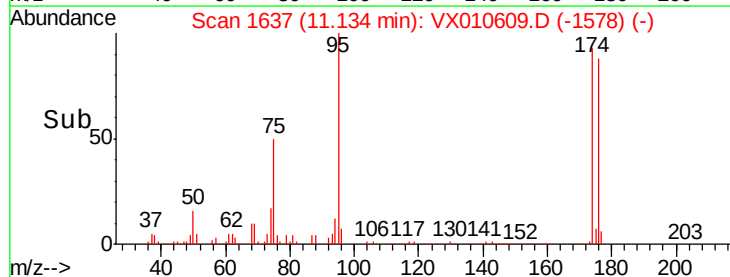
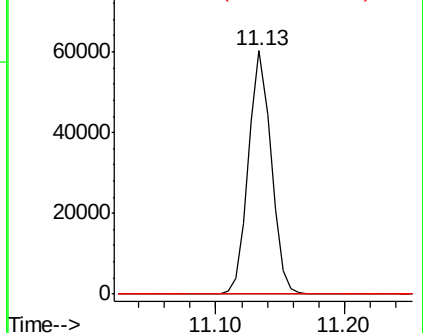
89 0.0 37.8 56.6#

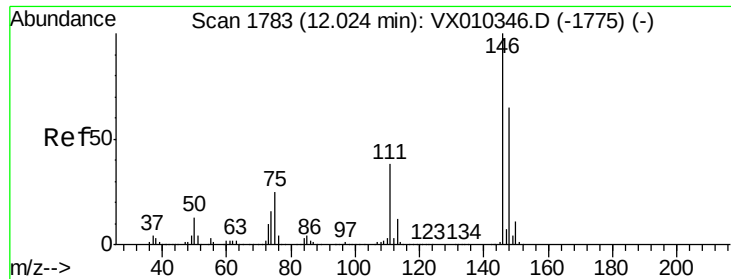


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

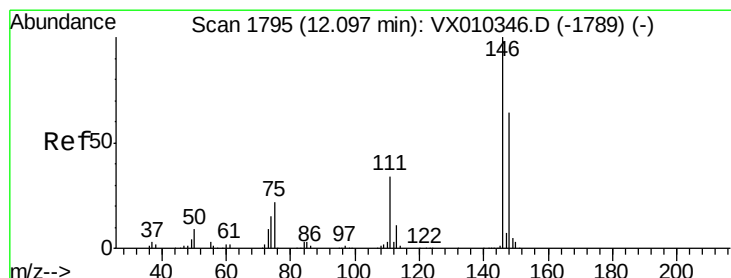
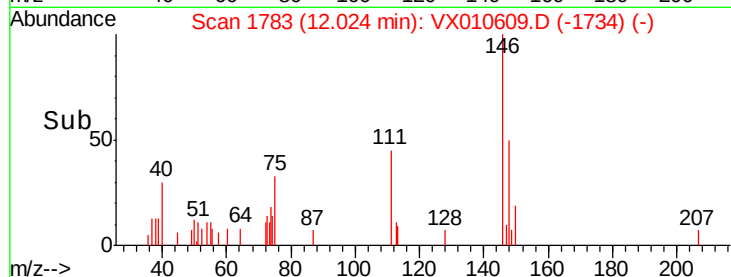
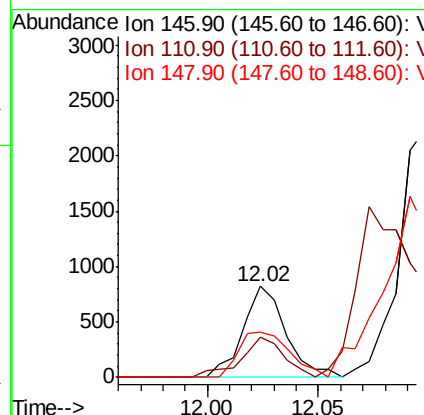
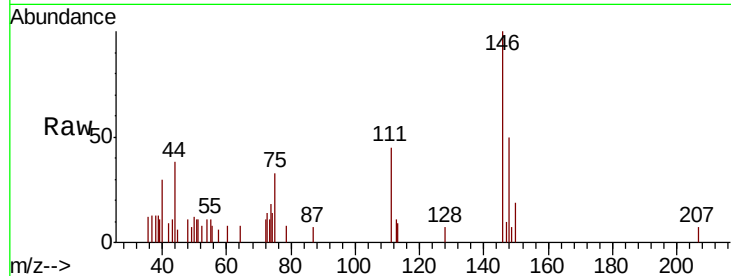




#87
 1,3-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010609.D
 Acq: 02 Jul 2019 12:07

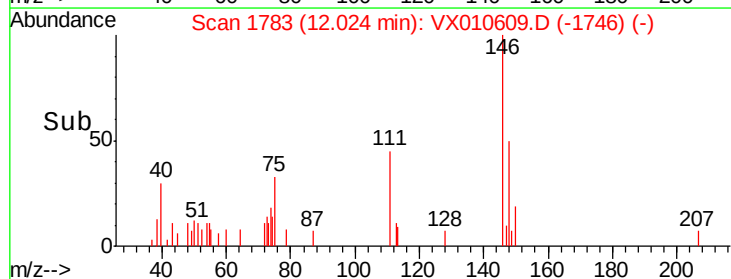
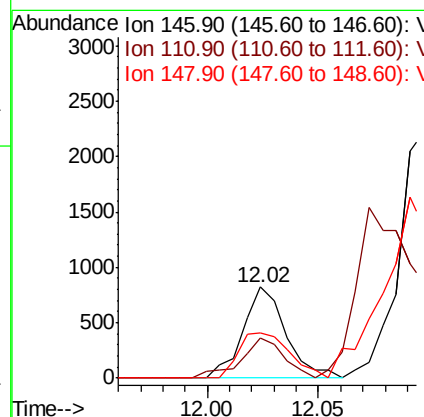
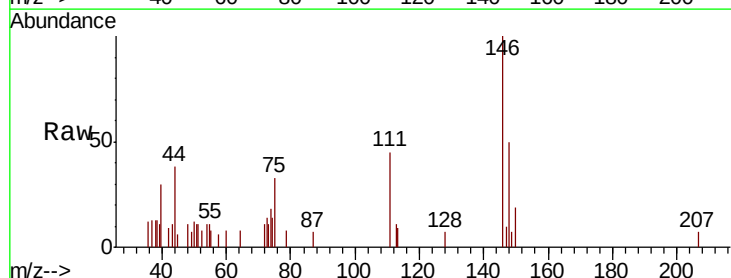
Instrument :
 MSVOA_X
 ClientSampled :
 SY-3

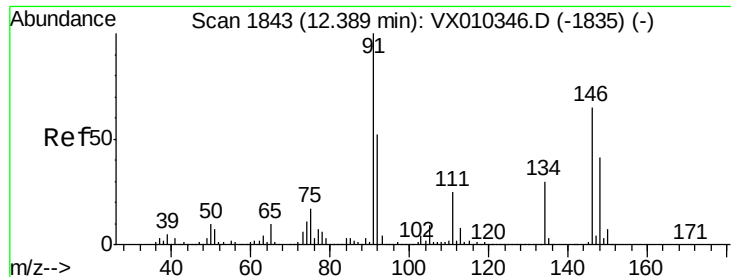
Tot Ion:146 Resp: 1109
 Ion Ratio Lower Upper
 146 100
 111 44.5 19.1 57.1
 148 58.9 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX010609.D
 Acq: 02 Jul 2019 12:07

Tgt Ion:146 Resp: 1109
 Ion Ratio Lower Upper
 146 100
 111 44.5 18.1 54.3
 148 58.9 32.1 96.3

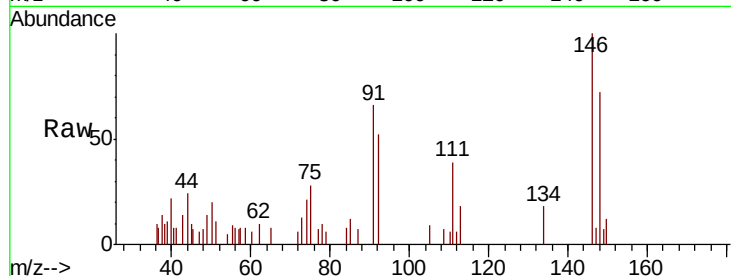




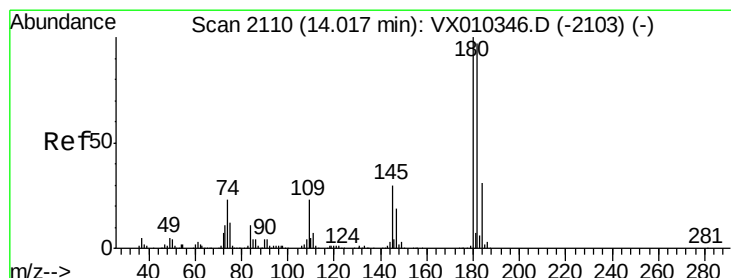
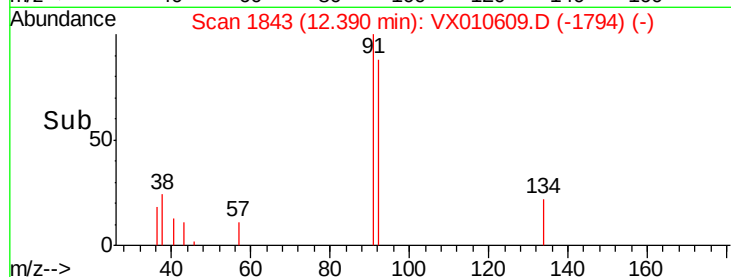
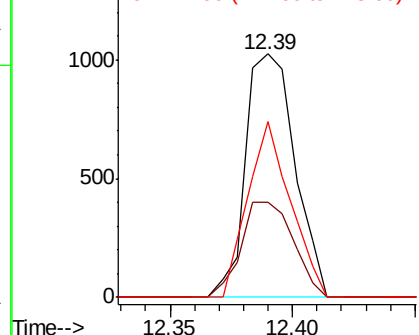
#91
 1,2-Dichlorobenzene
 Concen: 0.278 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010609.D
 Acq: 02 Jul 2019 12:07

Instrument :
 MSVOA_X
 ClientSampled :
 SY-3

Tot Ion:146 Resp: 1432
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.2 57.6
 148 62.6 32.0 96.0

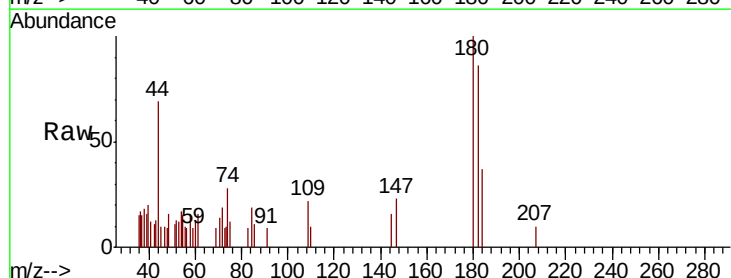


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#96
 1,2,3-Trichlorobenzene
 Concen: 0.213 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX010609.D
 Acq: 02 Jul 2019 12:07

Tgt Ion:180 Resp: 757
 Ion Ratio Lower Upper
 180 100
 182 90.5 47.8 143.3
 145 22.9 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

