

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010824.D
 Acq On : 12 Jul 2019 10:24
 Operator : JC/SP
 Sample : VX0712WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBL01

Quant Time: Jul 13 01:35:58 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	5.66	168	206465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	322998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126644	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	107743	55.66	ug/l	0.00
Spiked Amount			Recovery	=	111.32%	
35) Dibromofluoromethane	5.49	113	101802	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	8.71	98	384471	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	122140	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

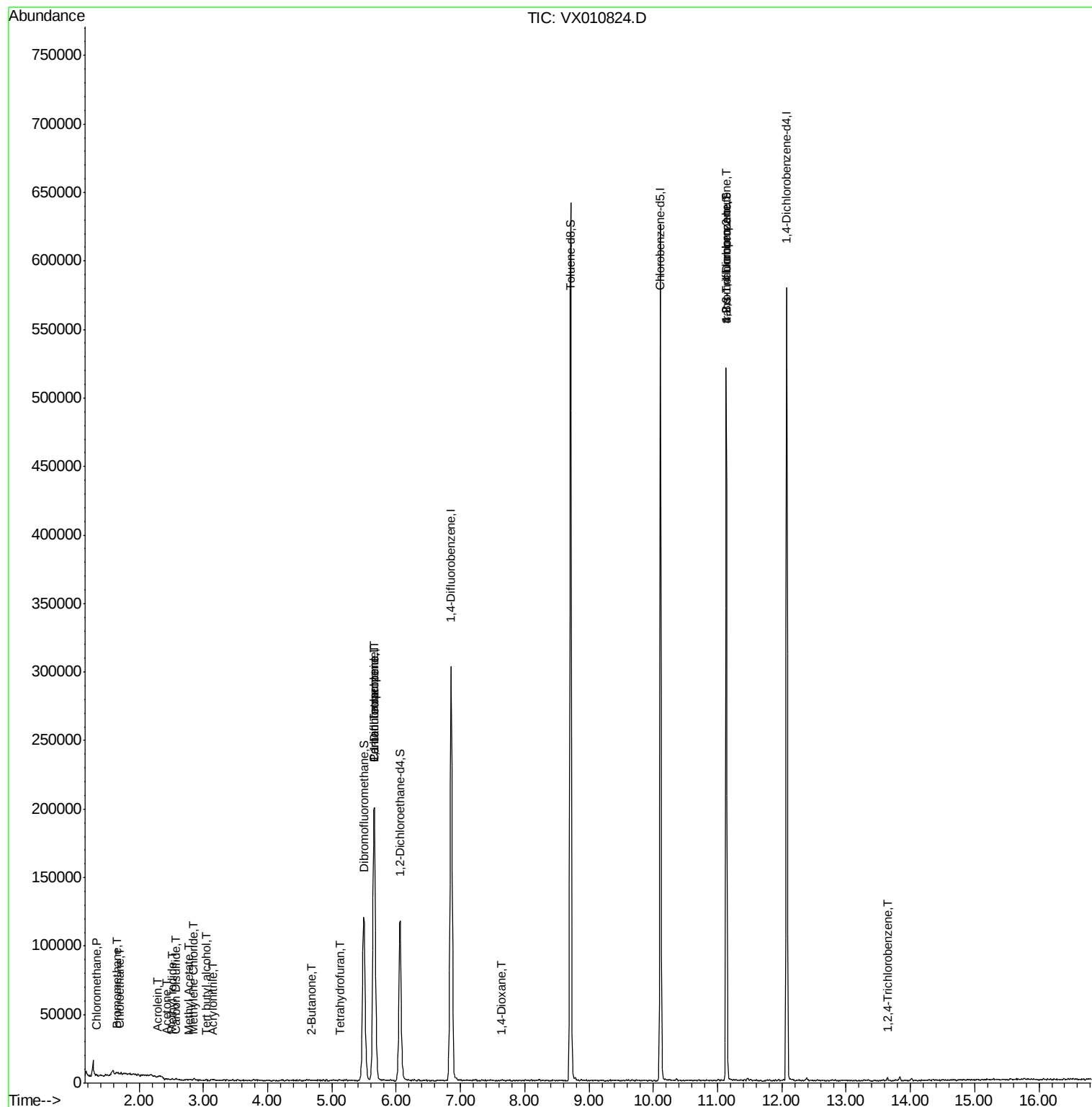
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	392	0.235	ug/l	98
5) Bromomethane	1.65	94	601	0.674	ug/l #	65
6) Chloroethane	1.69	64	399	0.369	ug/l #	43
10) Methyl Iodide	2.51	142	846	0.337	ug/l #	86
11) Tert butyl alcohol	3.05	59	321	0.634	ug/l #	47
13) Acrolein	2.29	56	245	0.729	ug/l #	1
15) Acrylonitrile	3.14	53	312	0.311	ug/l #	71
16) Acetone	2.43	43	566	0.583	ug/l	90
17) Carbon Disulfide	2.58	76	1248	0.260	ug/l	97
18) Methyl Acetate	2.77	43	590	0.305	ug/l #	88
20) Methylene Chloride	2.84	84	409	0.205	ug/l #	67
25) 2-Butanone	4.67	43	376	0.264	ug/l #	46
29) Tetrahydrofuran	5.12	42	201	0.228	ug/l #	77
36) 1,1-Dichloropropene	5.66	75	13053	5.085	ug/l #	48
38) Carbon Tetrachloride	5.65	117	18769	6.753	ug/l #	14
49) 1,4-Dioxane	7.63	88	50	0.855	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61012	26.437	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	61012	61.676	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	600	0.208	ug/l	83

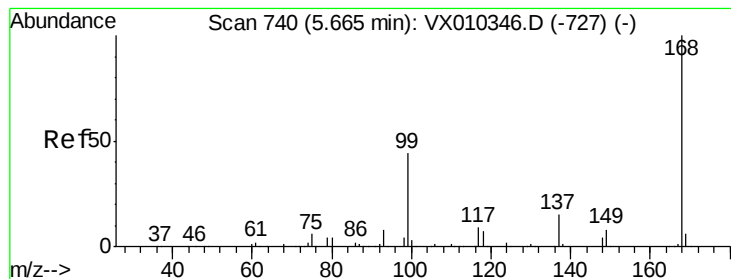
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010824.D
Acq On : 12 Jul 2019 10:24
Operator : JC/SP
Sample : VX0712WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBL01

Quant Time: Jul 13 01:35:58 2019
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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

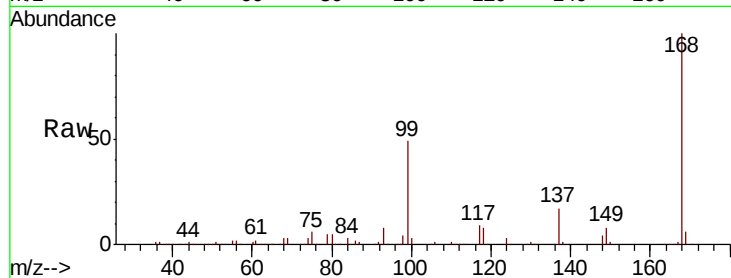
VX0712WBL01

Tot Ion:168 Resp: 206465

Ion Ratio Lower Upper

168 100

99 48.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

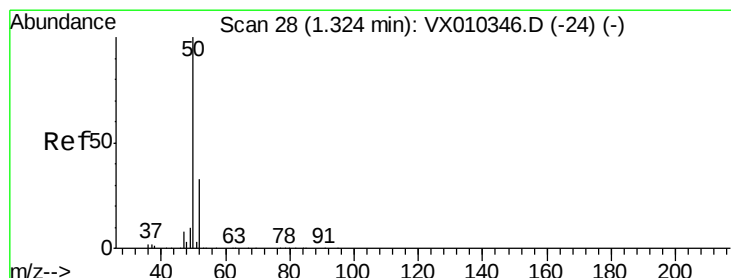
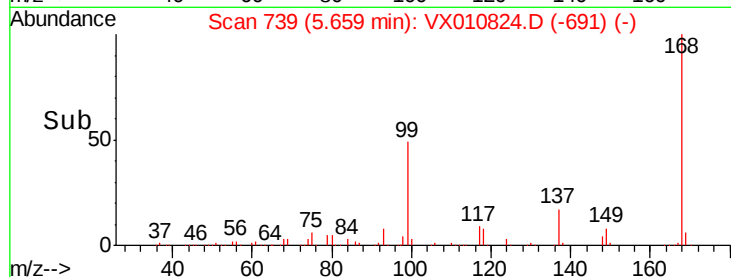
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010824.D

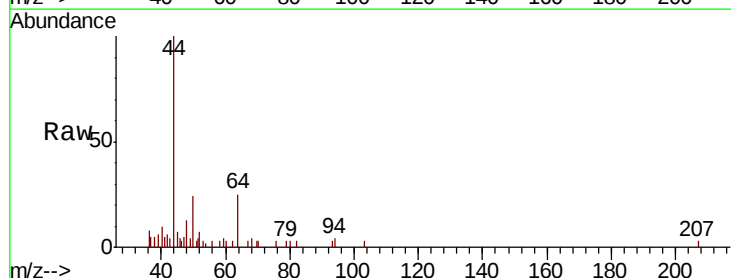
Acq: 12 Jul 2019 10:24

Tgt Ion: 50 Resp: 392

Ion Ratio Lower Upper

50 100

52 34.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

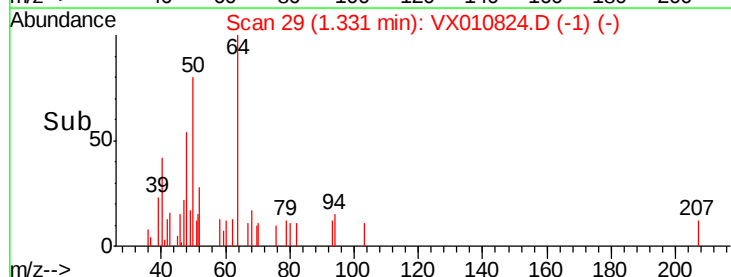
300

200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.674 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

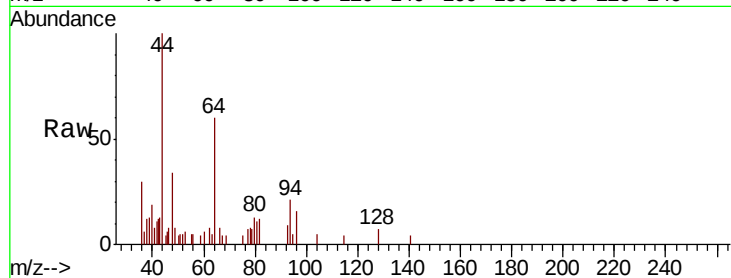
VX0712WBL01

Tot Ion: 94 Resp: 601

Ion Ratio Lower Upper

94 100

96 60.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

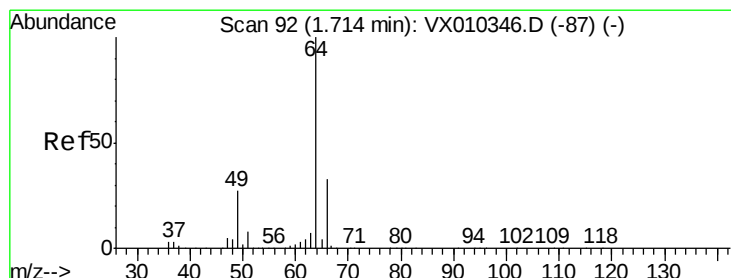
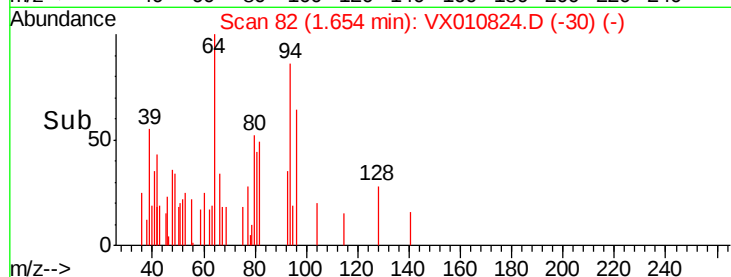
200

100

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 0.369 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010824.D

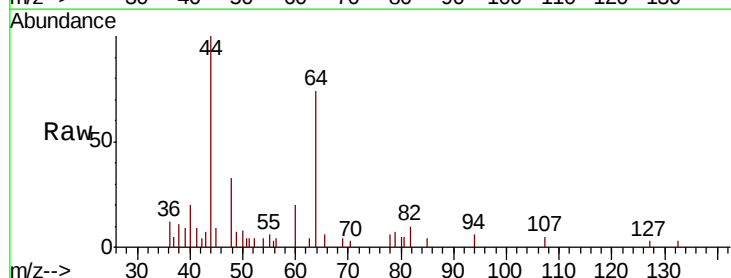
Acq: 12 Jul 2019 10:24

Tgt Ion: 64 Resp: 399

Ion Ratio Lower Upper

64 100

66 0.9 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

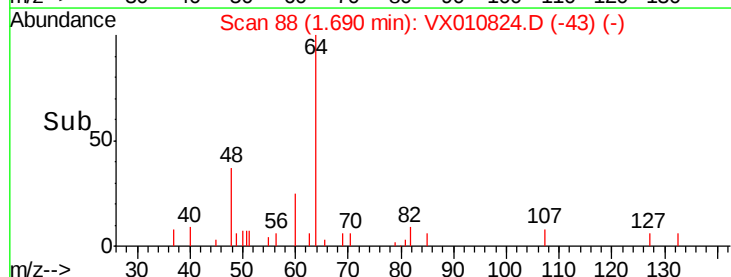
1000

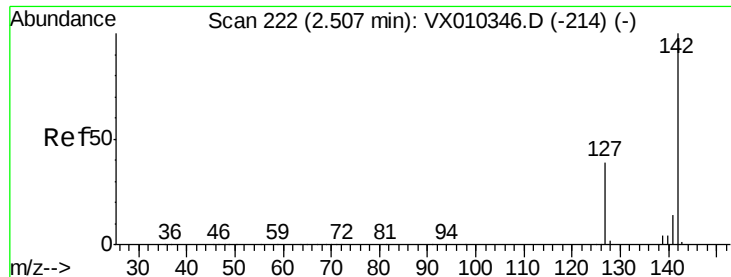
500

0

Time-->

1.67 1.68 1.69 1.70 1.71

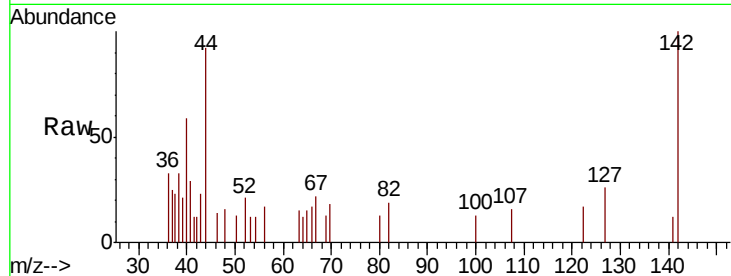




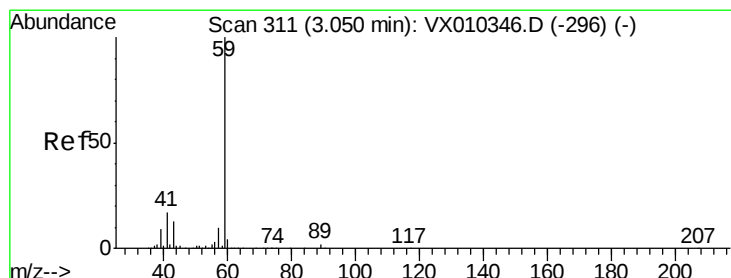
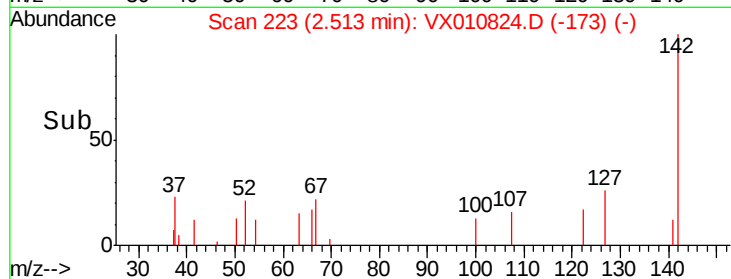
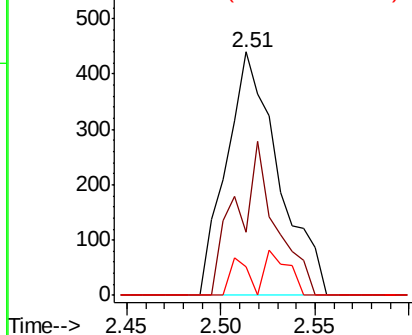
#10
Methvl Iodide
Concen: 0.337 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBL01

Tot Ion:142 Resp: 846
Ion Ratio Lower Upper
142 100
127 47.8 31.1 46.7#
141 8.4 11.2 16.8#

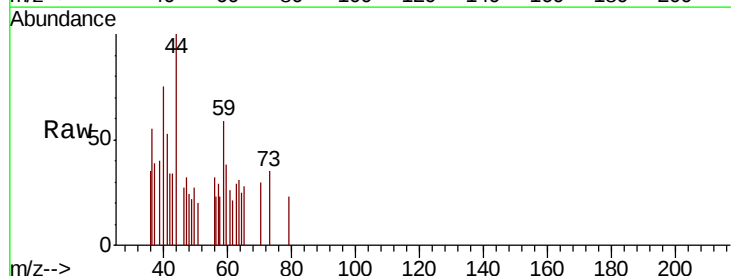


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

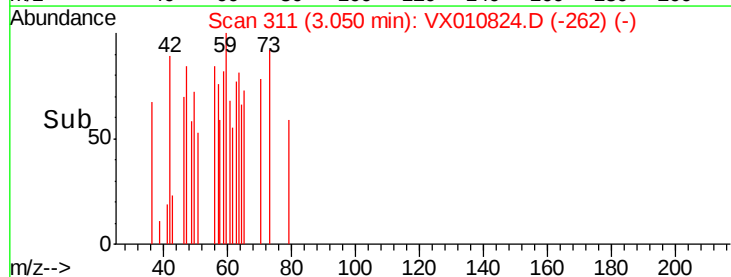
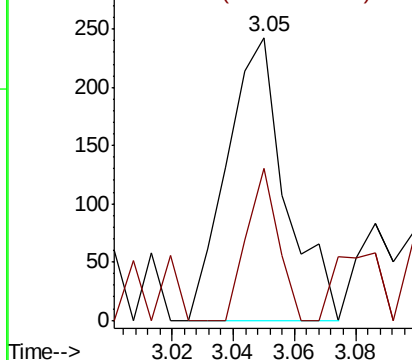


#11
Tert butyl alcohol
Concen: 0.634 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 29.0 7.7 11.5#



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





#13

Acrolein

Concen: 0.729 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

Instrument :

MSVOA_X

ClientSampled :

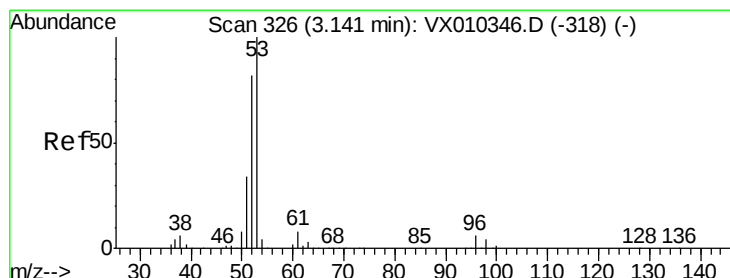
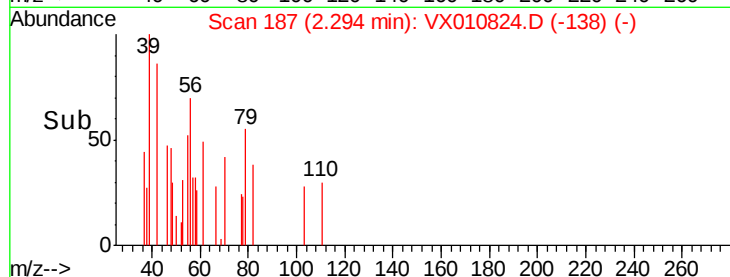
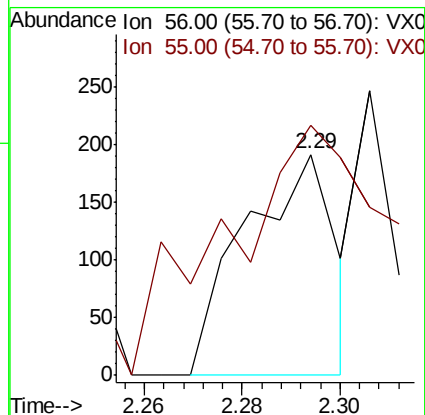
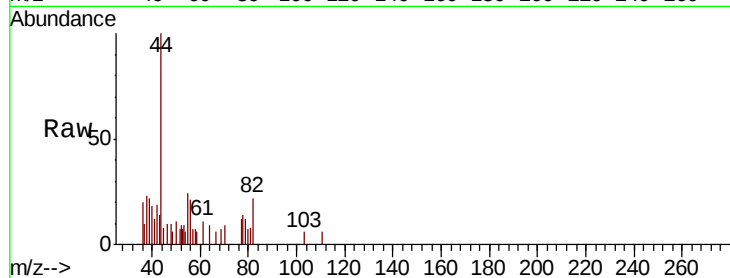
VX0712WBL01

Tot Ion: 56 Resp: 245

Ion Ratio Lower Upper

56 100

55 233.9 56.9 85.3#



#15

Acrylonitrile

Concen: 0.311 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

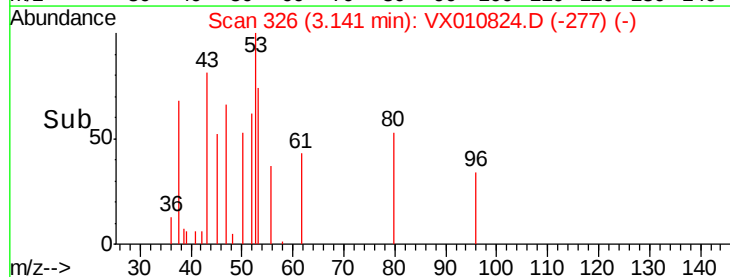
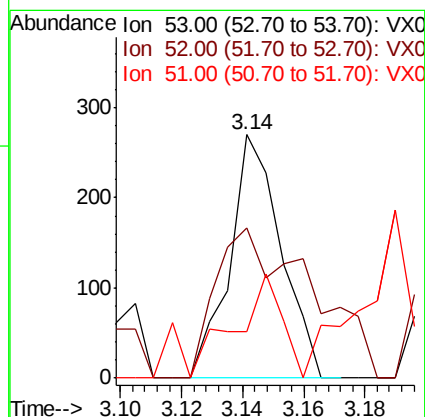
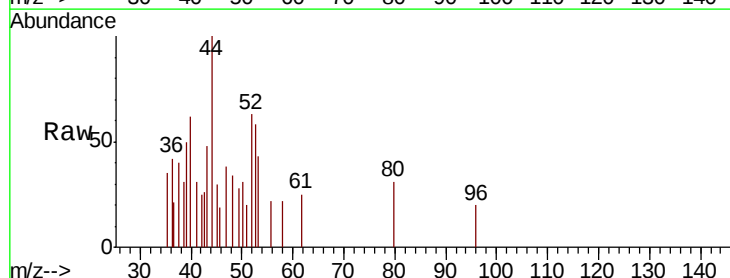
Tgt Ion: 53 Resp: 312

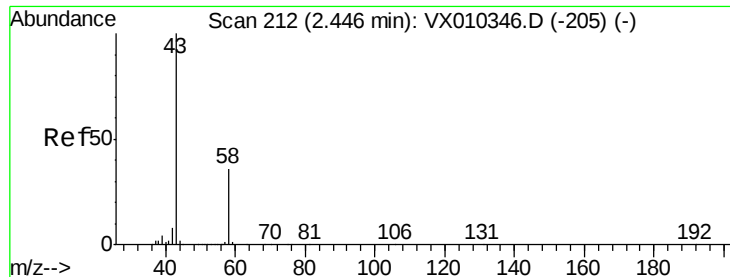
Ion Ratio Lower Upper

53 100

52 116.0 65.5 98.3#

51 39.4 28.2 42.4





#16

Acetone

Concen: 0.583 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

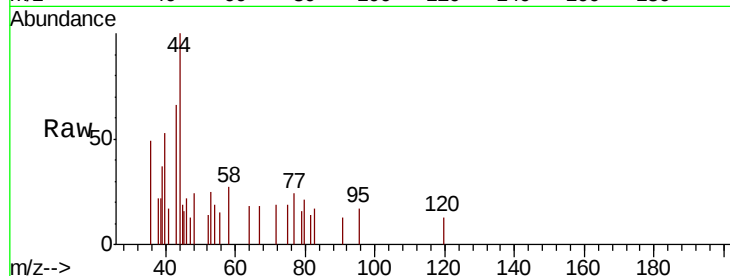
VX0712WBL01

Tot Ion: 43 Resp: 566

Ion Ratio Lower Upper

43 100

58 41.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

250

200

150

100

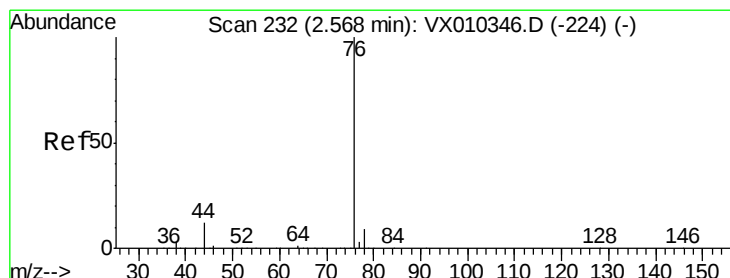
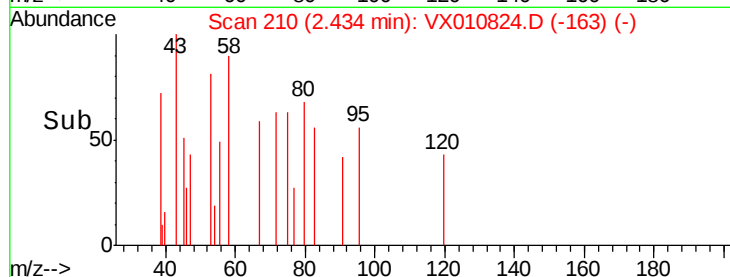
50

0

2.40

2.45

Time-->



#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX010824.D

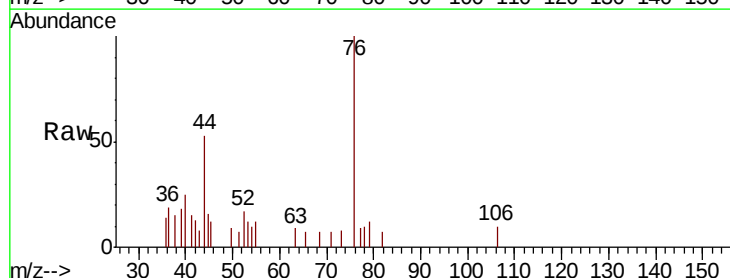
Acq: 12 Jul 2019 10:24

Tgt Ion: 76 Resp: 1248

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

800

600

400

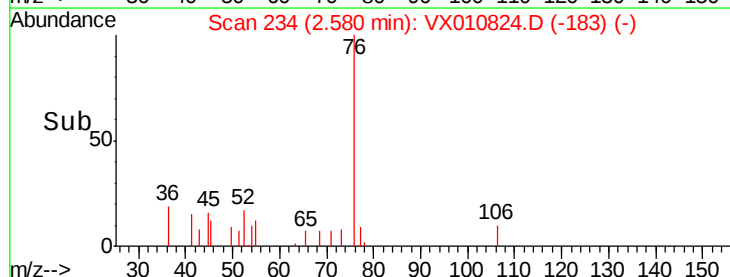
200

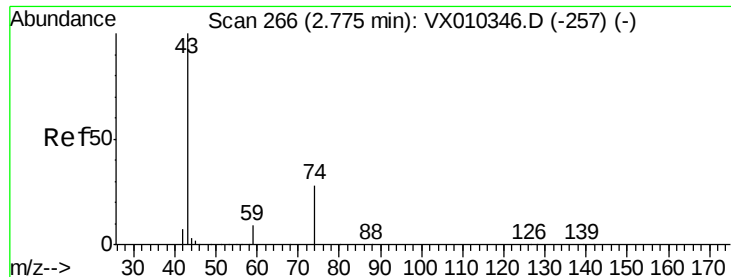
0

2.55

2.60

Time-->

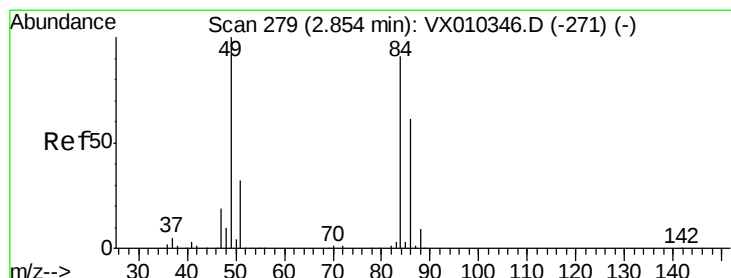
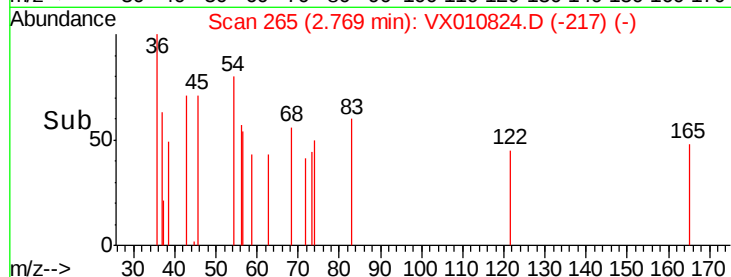
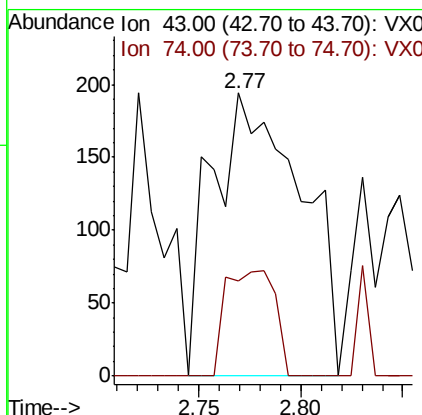
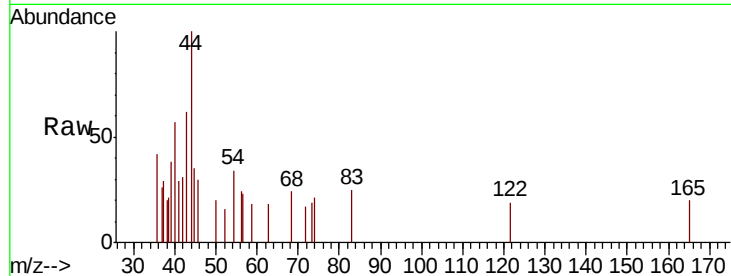




#18
Methyl Acetate
Concen: 0.305 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

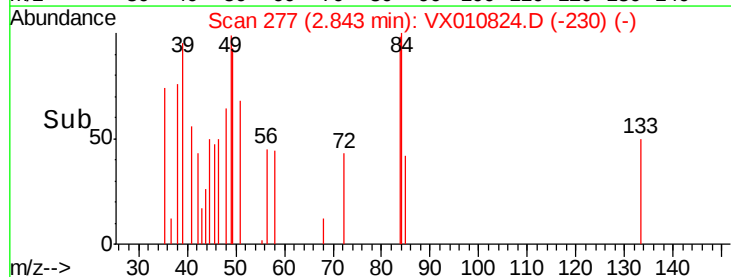
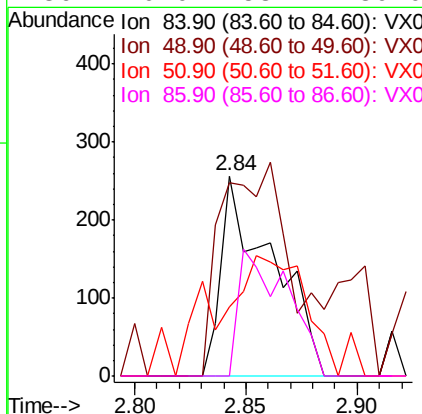
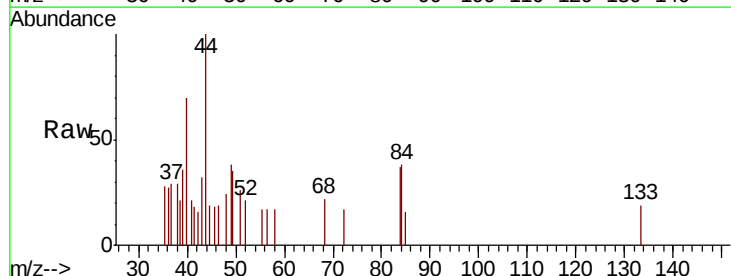
Instrument :
MSVOA_X
ClientSampleId :
VX0712WBL01

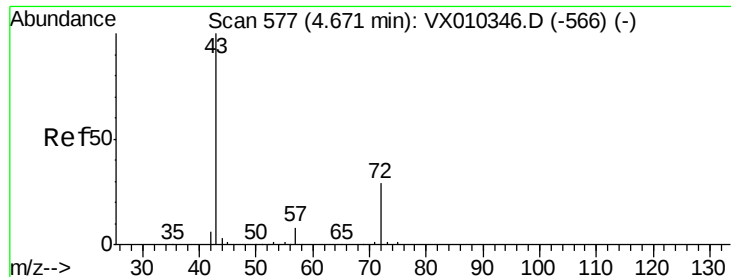
Tot Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
74 20.5 21.3 31.9#



#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

Tgt Ion: 84 Resp: 409
Ion Ratio Lower Upper
84 100
49 96.9 87.5 131.3
51 34.4 27.7 41.5
86 0.0 53.4 80.0#





#25

2-Butanone

Concen: 0.264 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

Instrument :

MSVOA_X

ClientSampled :

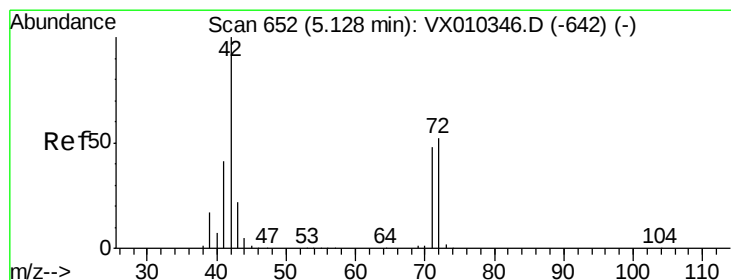
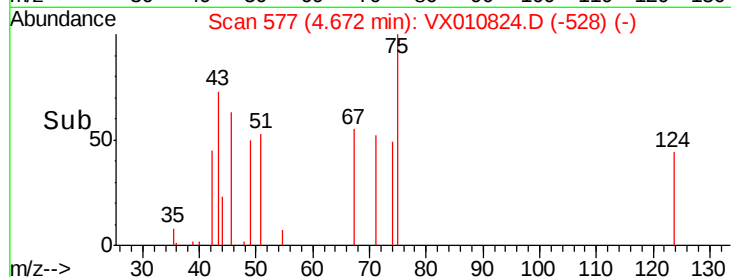
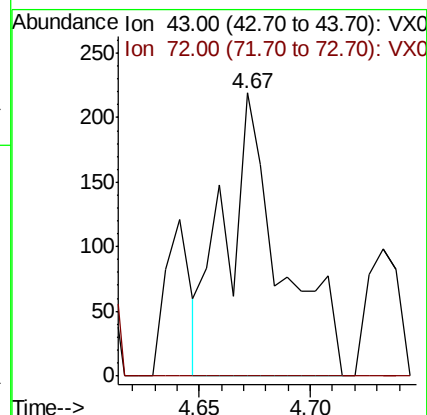
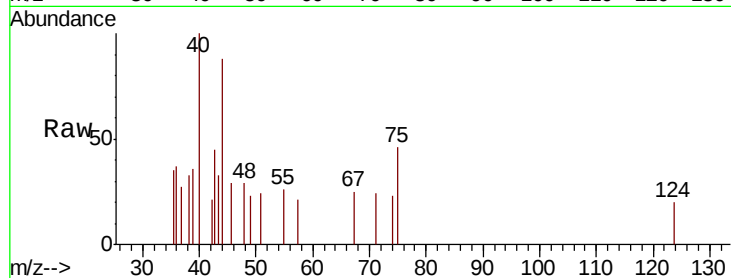
VX0712WBL01

Tot Ion: 43 Resp: 376

Ion Ratio Lower Upper

43 100

72 0.0 23.3 34.9#



#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

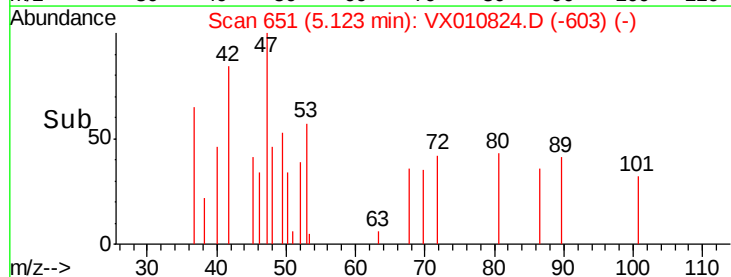
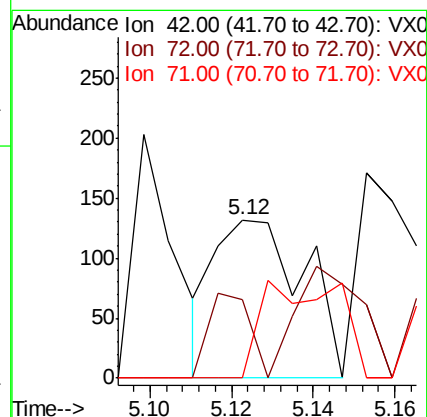
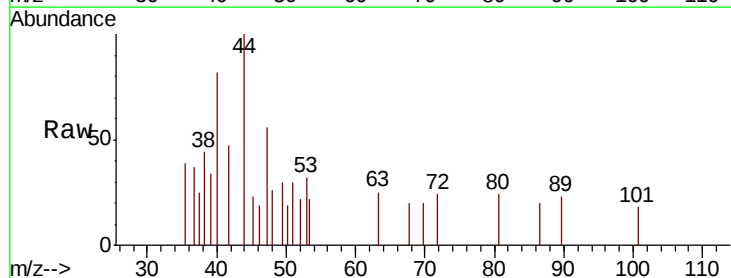
Tgt Ion: 42 Resp: 201

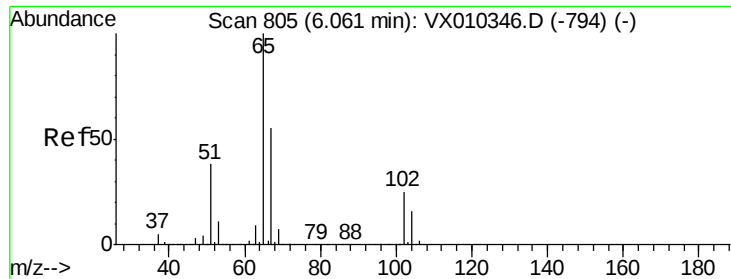
Ion Ratio Lower Upper

42 100

72 24.9 40.6 60.8#

71 52.2 37.8 56.8

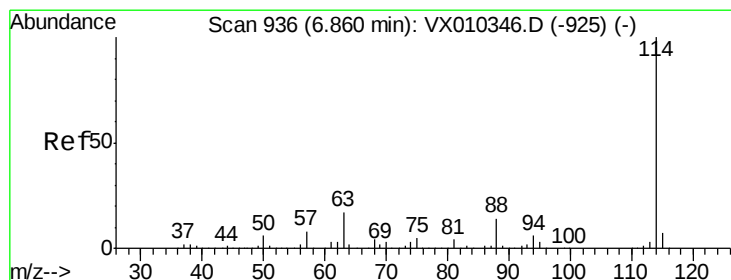
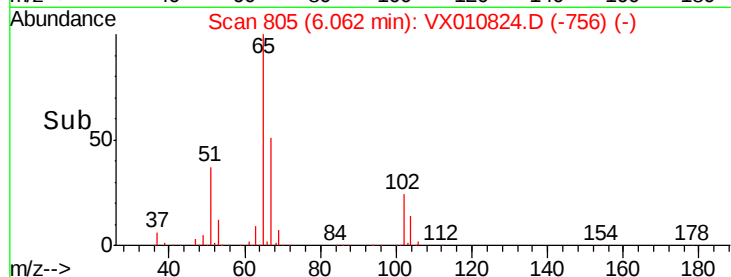
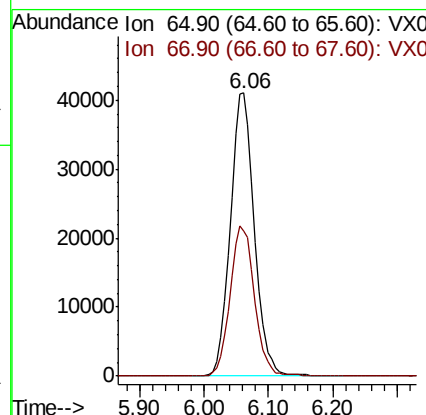
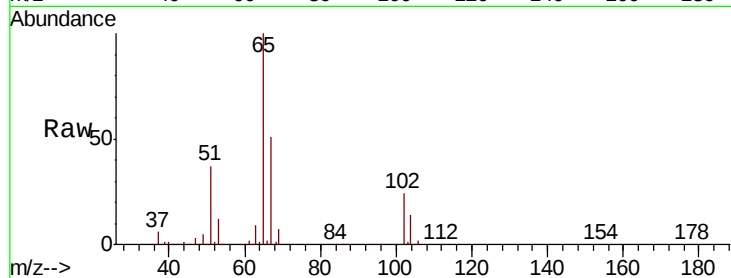




#33
 1,2-Dichloroethane-d4
 Concen: 55.658 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010824.D
 Acq: 12 Jul 2019 10:24

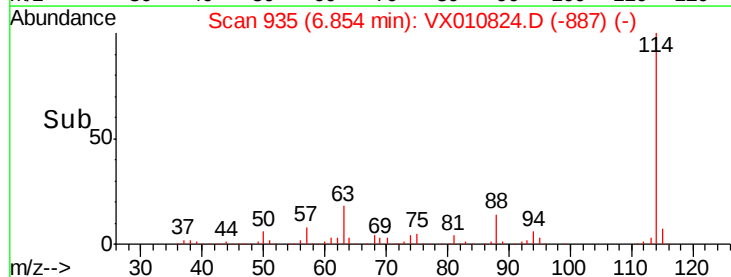
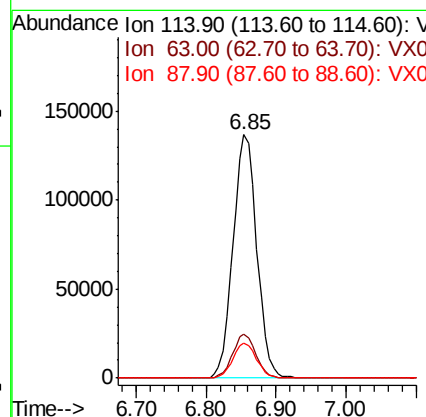
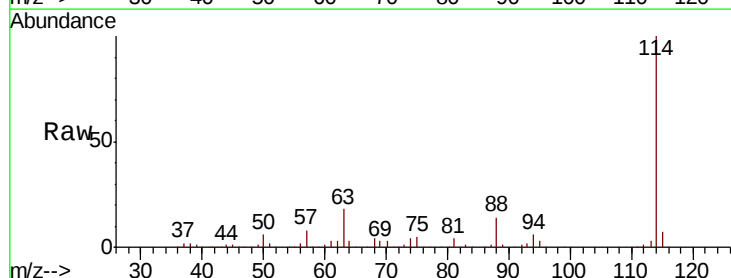
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBL01

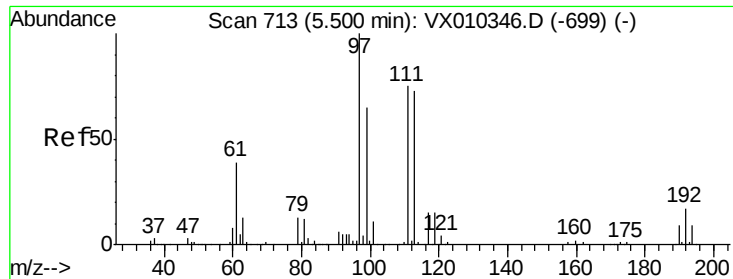
Tot Ion: 65 Resp: 107743
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010824.D
 Acq: 12 Jul 2019 10:24

Tgt Ion: 114 Resp: 322998
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 33.8
 88 14.5 0.0 27.6

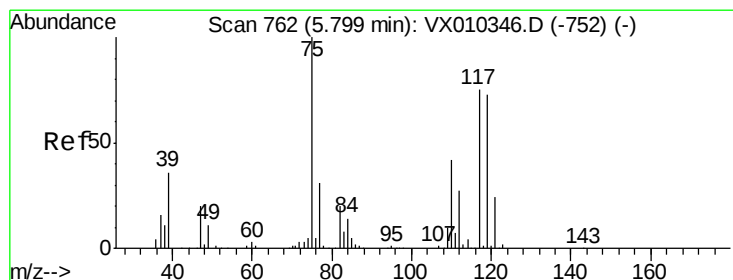
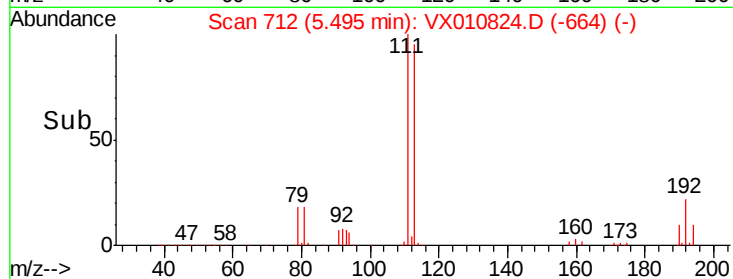
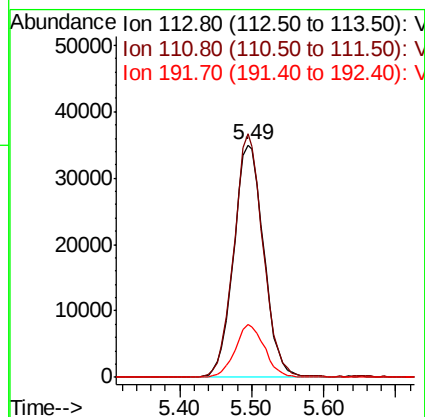
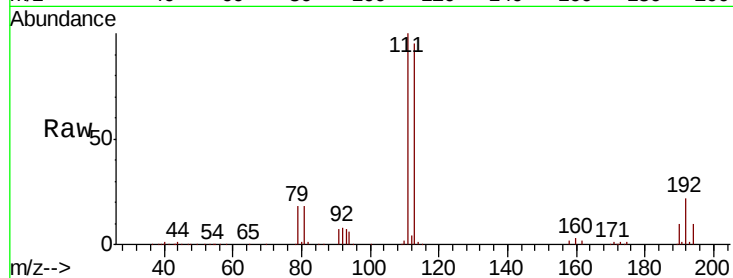




#35
 Dibromofluoromethane
 Concen: 51.514 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010824.D
 Acq: 12 Jul 2019 10:24

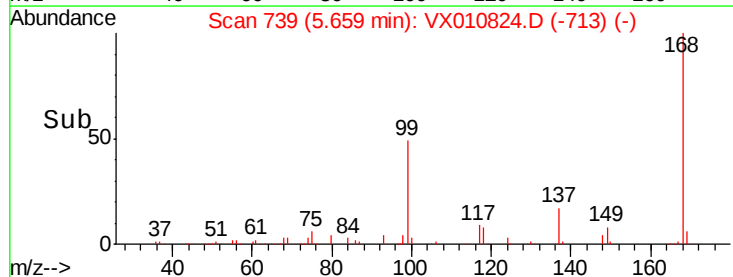
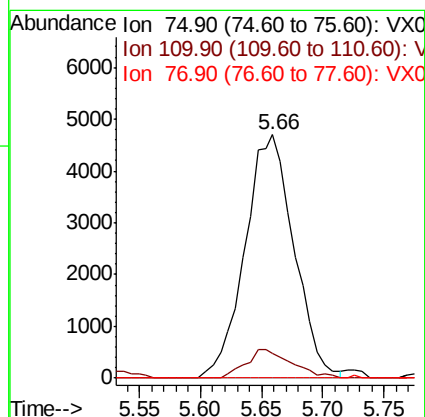
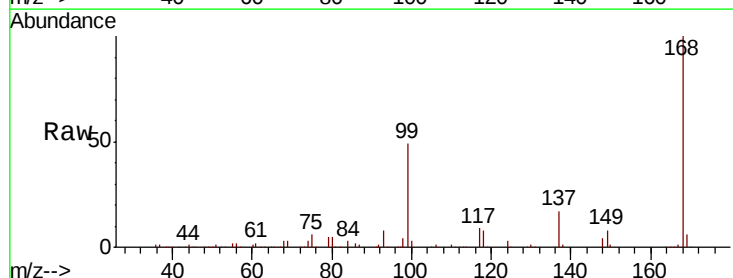
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBL01

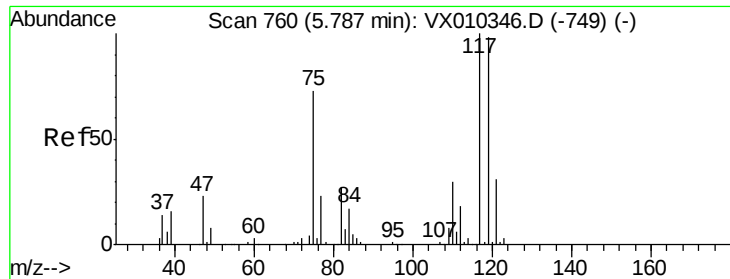
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.2	121.8
192	22.2	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.085 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010824.D
 Acq: 12 Jul 2019 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.8	62.2#
77	0.0	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.753 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBL01

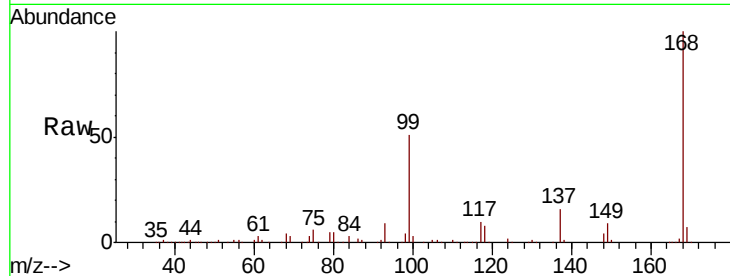
Tot Ion:117 Resp: 18769

Ion Ratio Lower Upper

117 100

119 3.4 78.2 117.4#

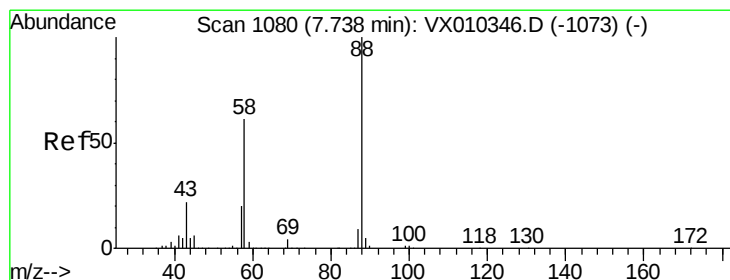
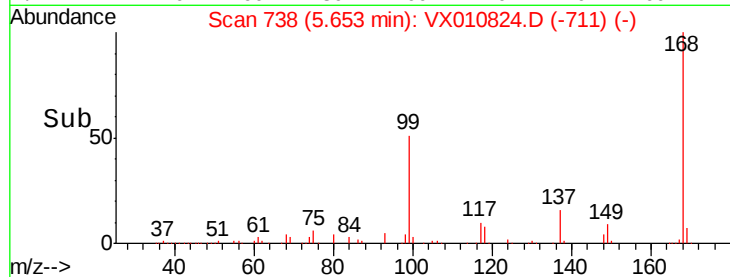
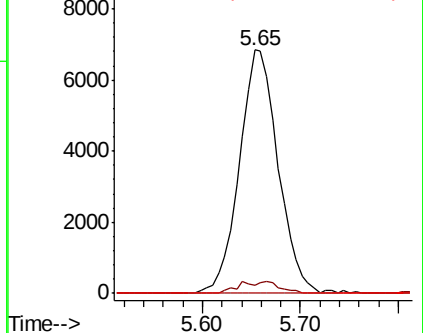
121 0.0 24.7 37.1#



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: 0.855 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.11 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

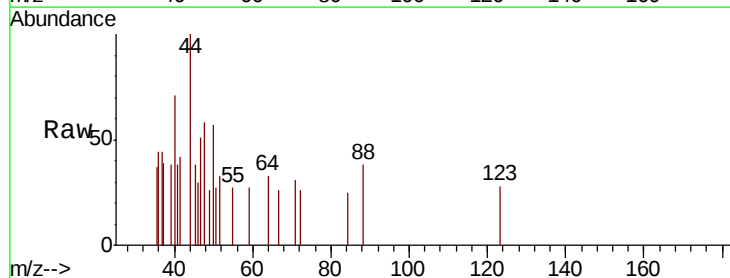
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 252.0 20.2 30.2#

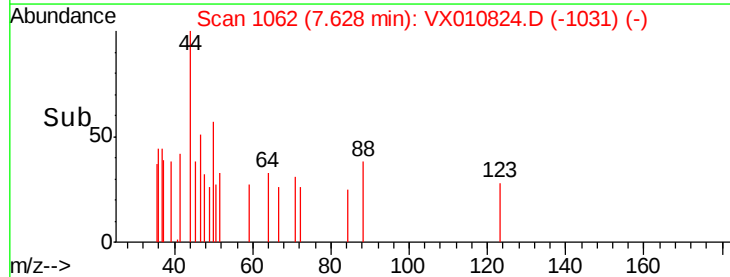
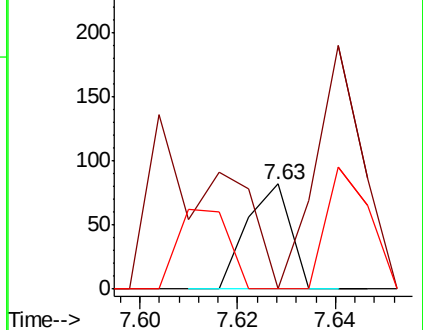
58 118.0 49.5 74.3#

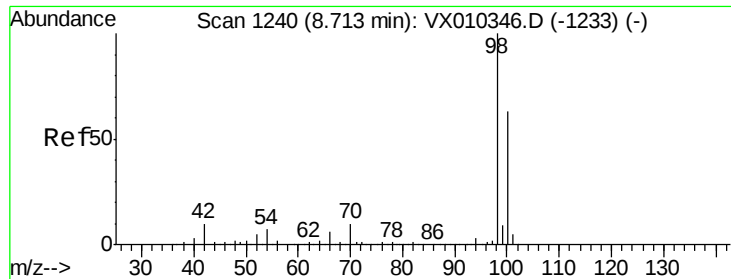


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

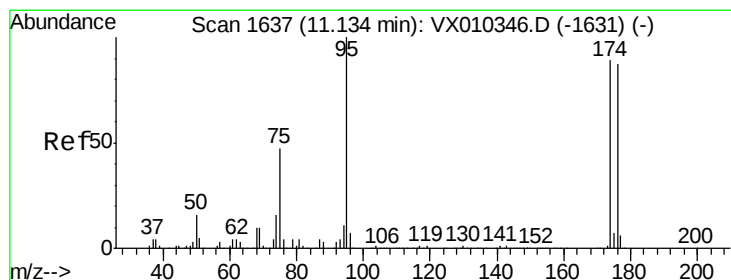
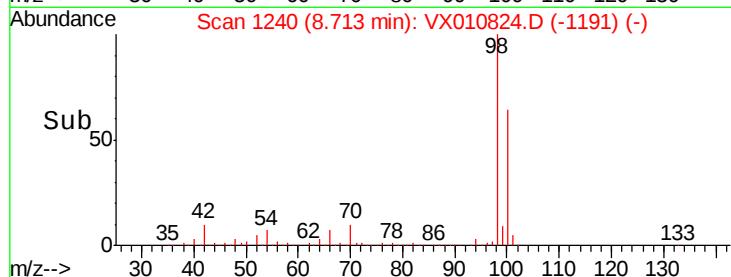
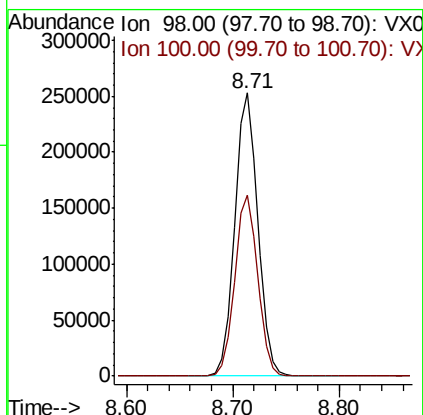
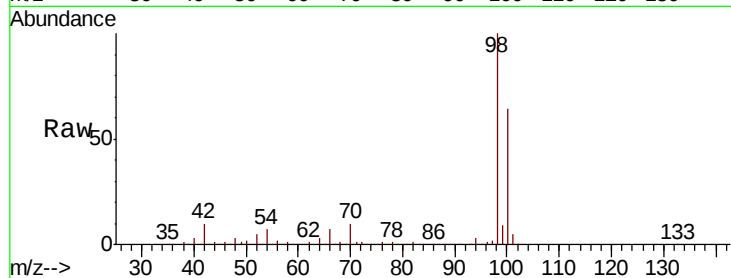




#50
Toluene-d8
Concen: 50.852 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

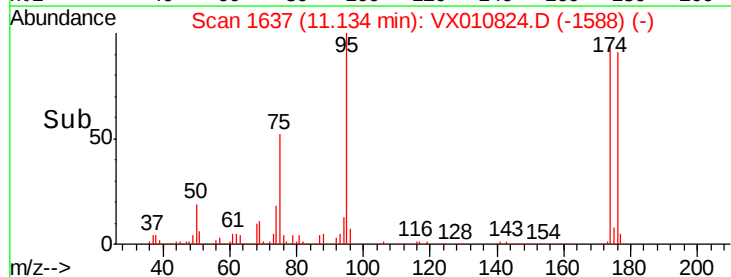
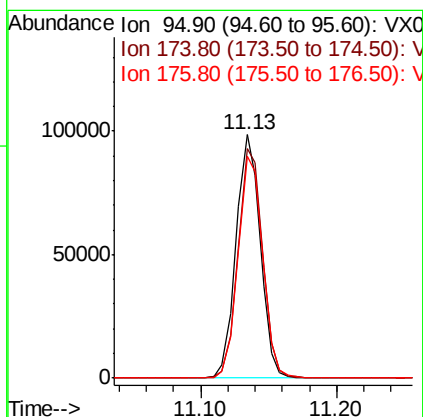
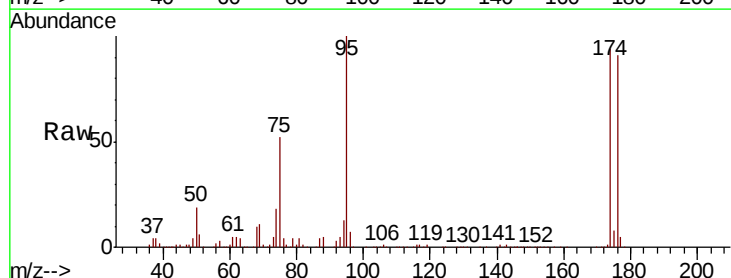
Instrument :
MSVOA_X
ClientSampleId :
VX0712WBL01

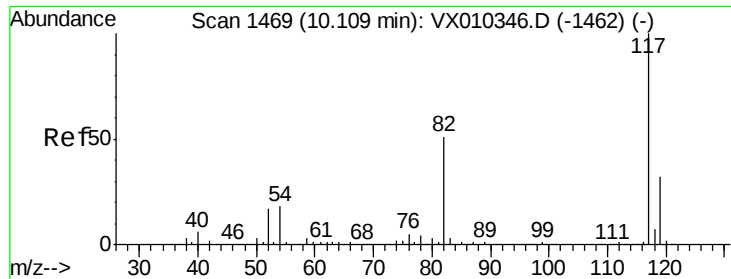
Tot Ion: 98 Resp: 384471
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.747 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

Tgt Ion: 95 Resp: 122140
Ion Ratio Lower Upper
95 100
174 95.7 0.0 187.6
176 92.5 0.0 184.0

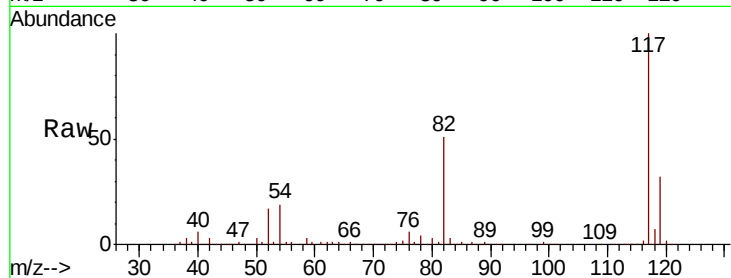




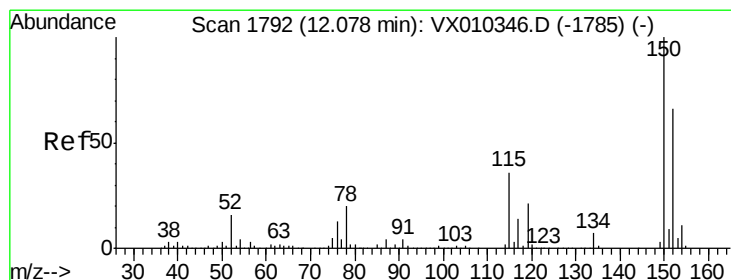
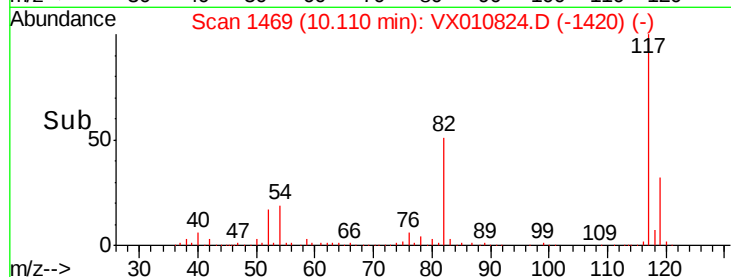
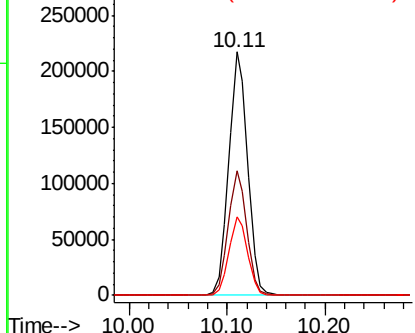
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

Instrument :
MSVOA_X
ClientSampled :
VX0712WBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.2	61.8
119	32.0	25.5	38.3

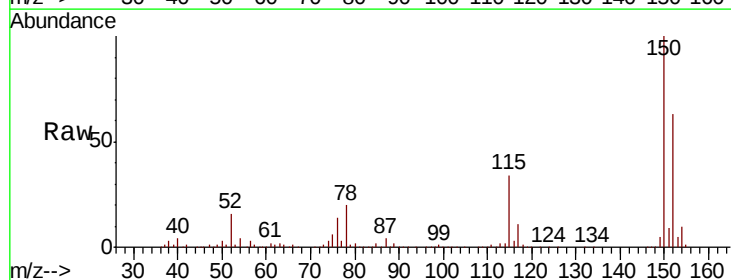


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

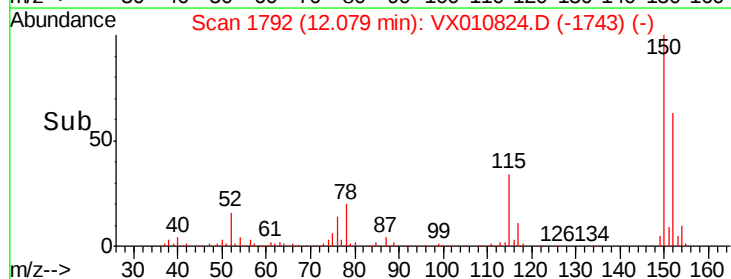
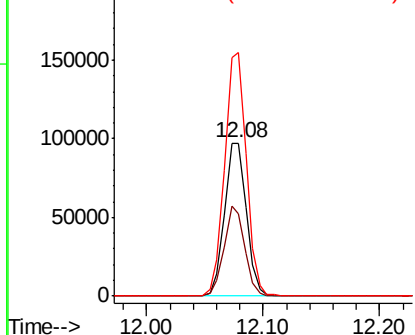


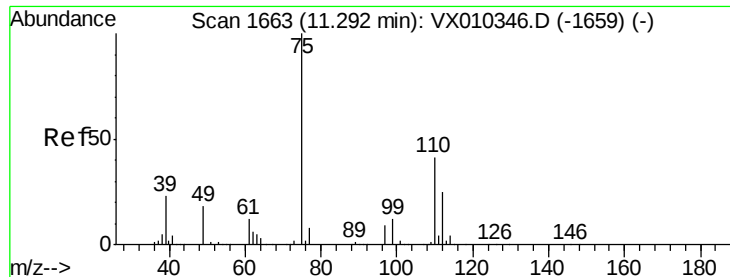
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010824.D
Acq: 12 Jul 2019 10:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.6	115.7
150	157.4	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: 26.437 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

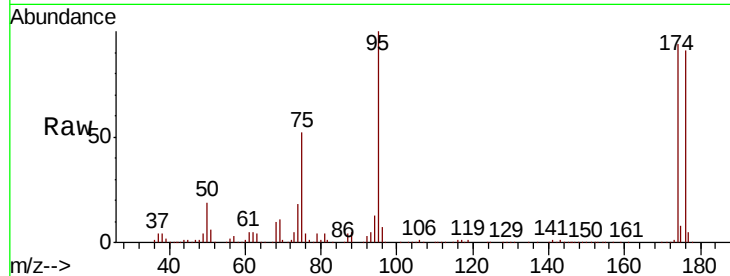
VX0712WBL01

Tot Ion: 75 Resp: 61012

Ion Ratio Lower Upper

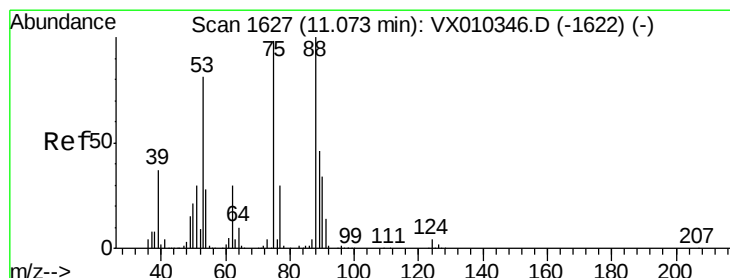
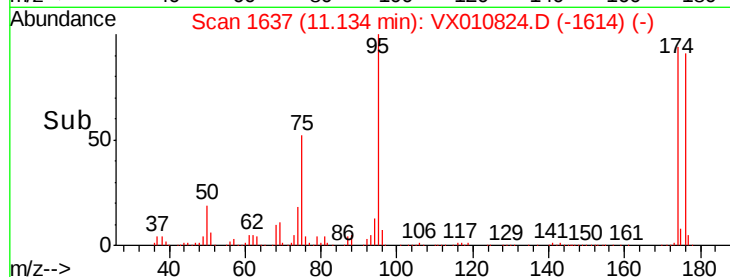
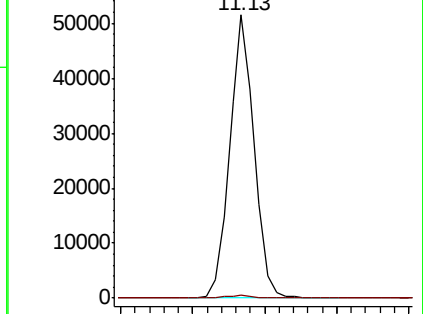
75 100

77 1.3 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: 61.676 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010824.D

Acq: 12 Jul 2019 10:24

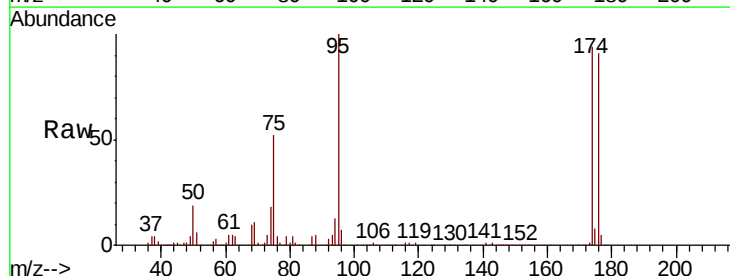
Tgt Ion: 75 Resp: 61012

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

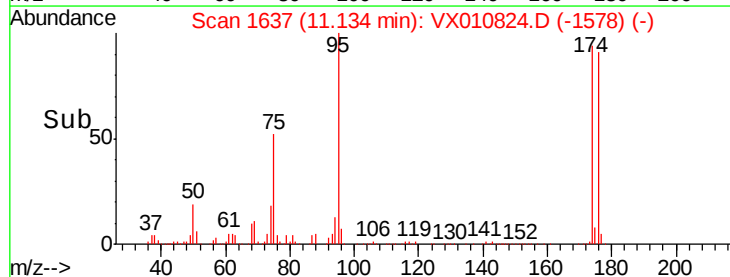
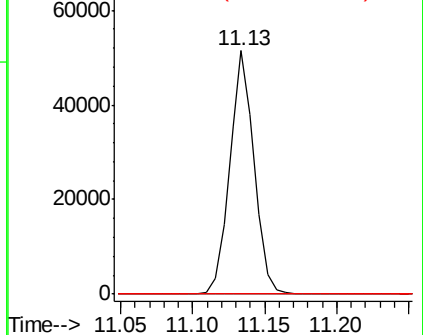
89 0.0 37.8 56.6#

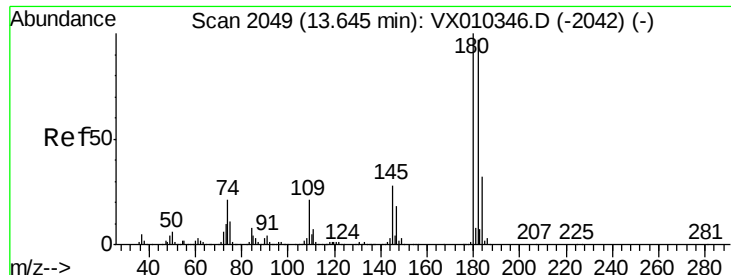


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#93
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010824.D
 Acq: 12 Jul 2019 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	74.5	48.0	144.0
145	30.2	14.4	43.4

