

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010767.D
 Acq On : 10 Jul 2019 11:08
 Operator : JC/SP
 Sample : VX0710WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBL01

Quant Time: Jul 11 01:12:33 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	224311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	352634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143548	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	112808	53.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.28%	
35) Dibromofluoromethane	5.49	113	109248	50.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.28%	
50) Toluene-d8	8.71	98	417515	50.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	137915	46.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.56%	

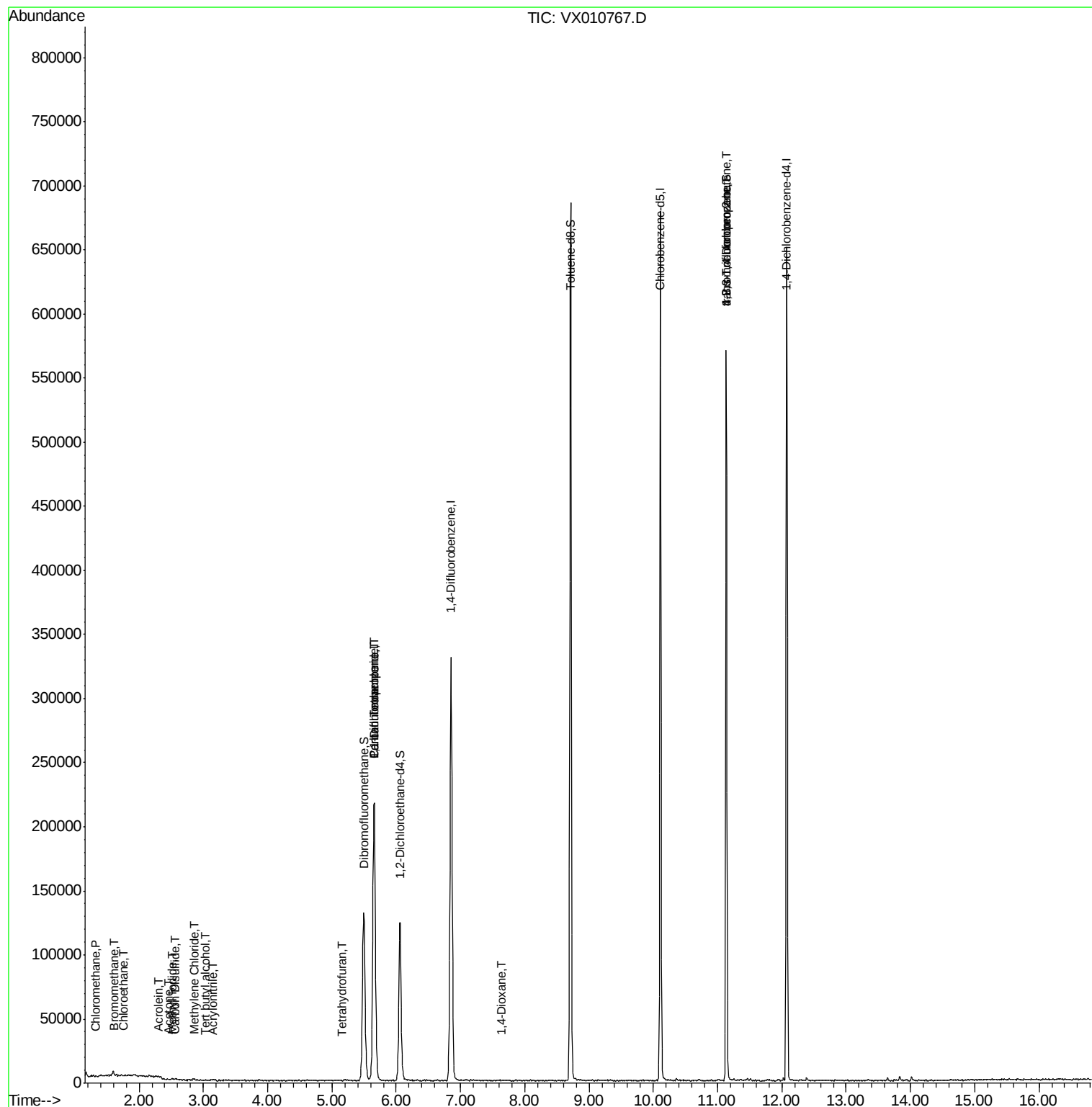
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	514	0.283	ug/l #	79
5) Bromomethane	1.62	94	259	0.267	ug/l #	42
6) Chloroethane	1.75	64	1047	0.892	ug/l #	41
10) Methyl Iodide	2.51	142	924	0.339	ug/l	97
11) Tert butyl alcohol	3.04	59	142	0.258	ug/l #	1
13) Acrolein	2.29	56	608	1.665	ug/l #	78
15) Acrylonitrile	3.15	53	388	0.356	ug/l	89
16) Acetone	2.45	43	501	0.475	ug/l #	72
17) Carbon Disulfide	2.56	76	1511	0.290	ug/l #	75
20) Methylene Chloride	2.86	84	492	0.227	ug/l #	88
29) Tetrahydrofuran	5.15	42	279	0.291	ug/l #	28
36) 1,1-Dichloropropene	5.65	75	14677	5.238	ug/l #	48
38) Carbon Tetrachloride	5.65	117	19897	6.557	ug/l #	15
49) 1,4-Dioxane	7.63	88	91	1.425	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	67595	25.841	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67595	60.284	ug/l #	16

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

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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: VX010767.D

Acq: 10 Jul 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

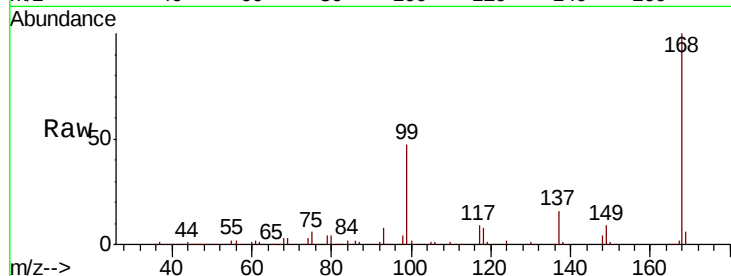
VX0710WBL01

Tot Ion:168 Resp: 224311

Ion Ratio Lower Upper

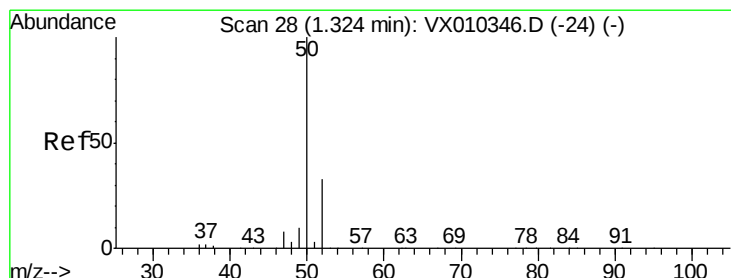
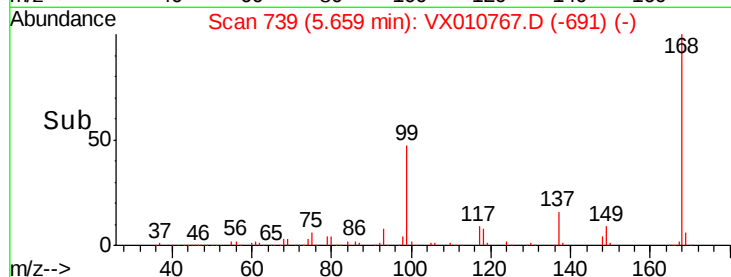
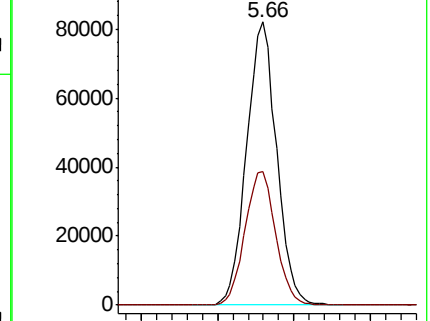
168 100

99 47.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.283 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010767.D

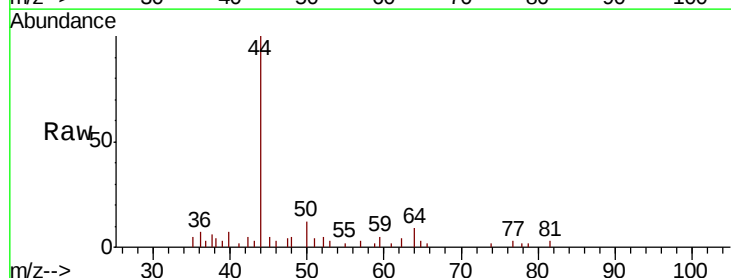
Acq: 10 Jul 2019 11:08

Tgt Ion: 50 Resp: 514

Ion Ratio Lower Upper

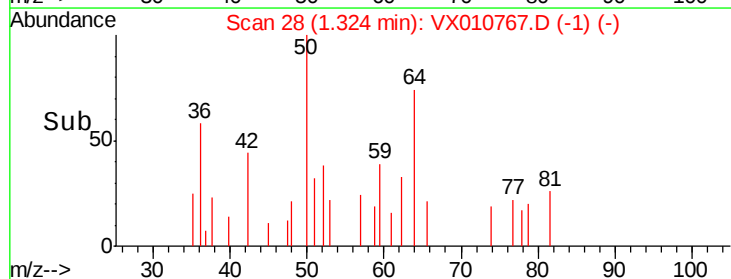
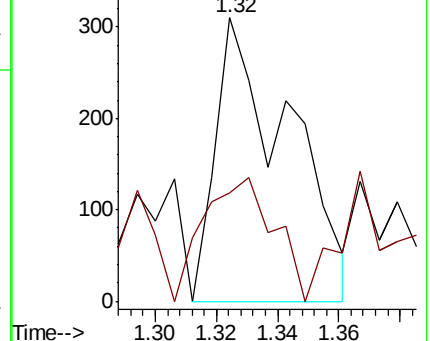
50 100

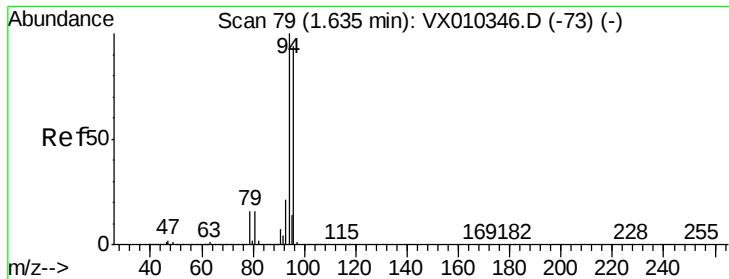
52 21.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.267 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

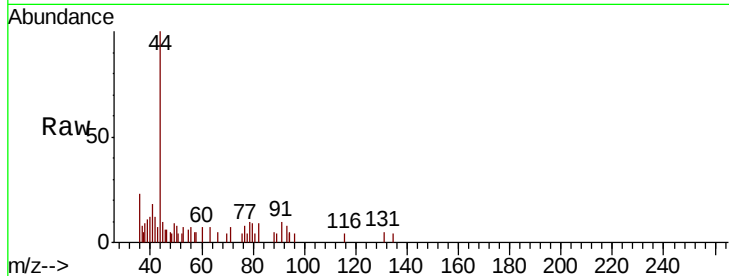
VX0710WBL01

Tot Ion: 94 Resp: 259

Ion Ratio Lower Upper

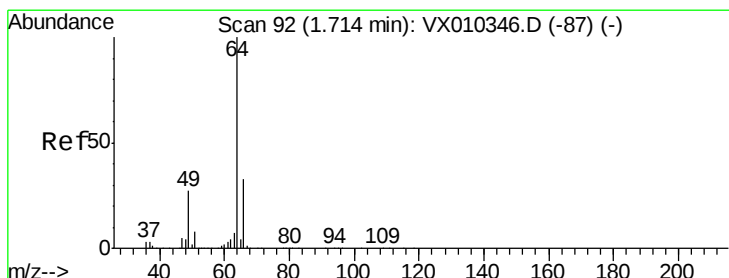
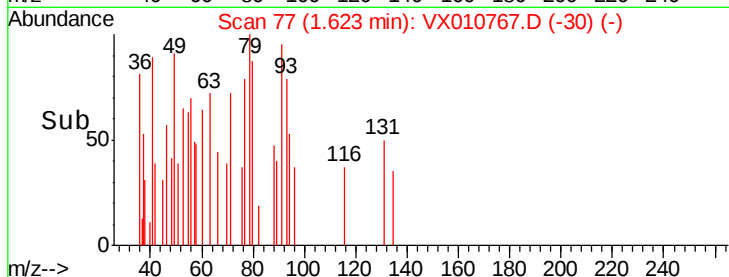
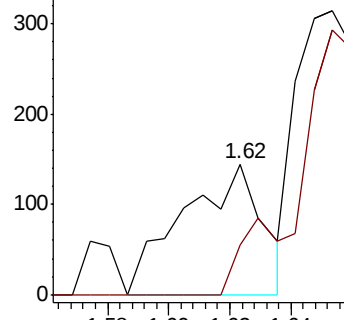
94 100

96 37.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.892 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX010767.D

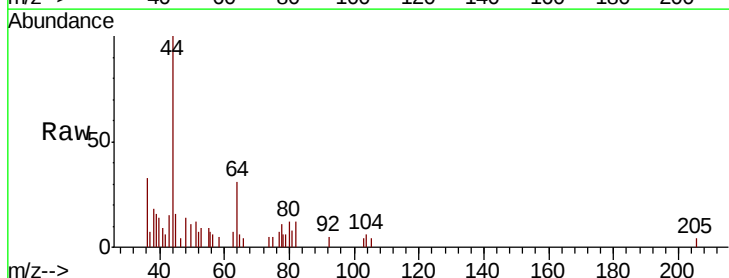
Acq: 10 Jul 2019 11:08

Tgt Ion: 64 Resp: 1047

Ion Ratio Lower Upper

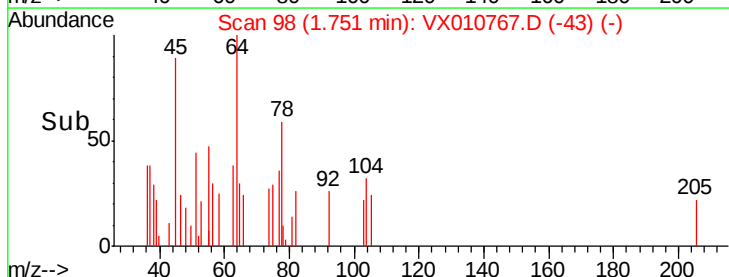
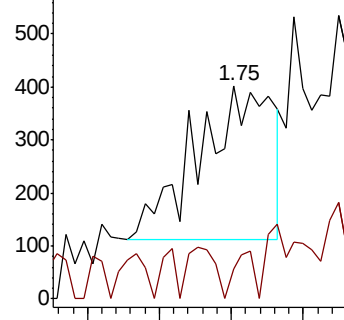
64 100

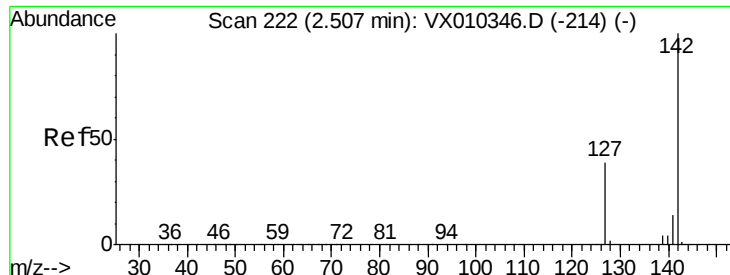
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

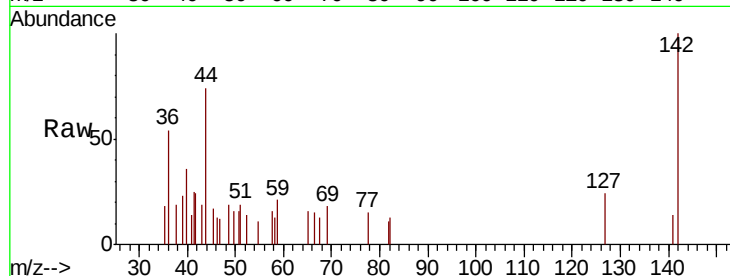




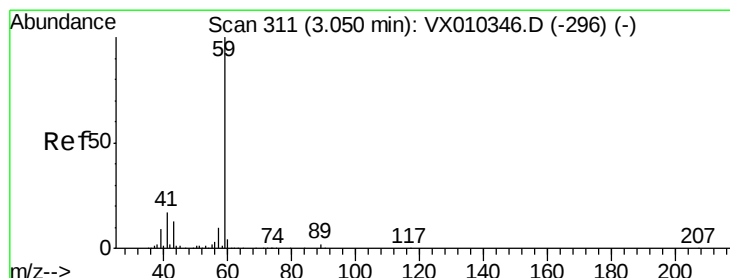
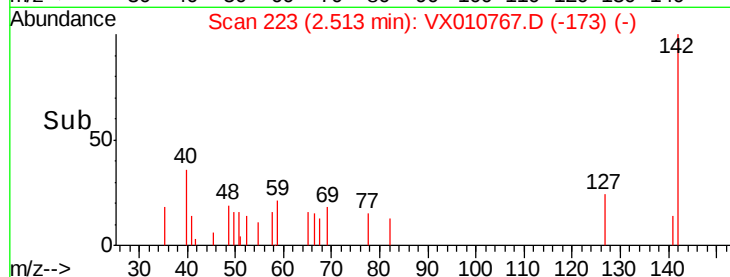
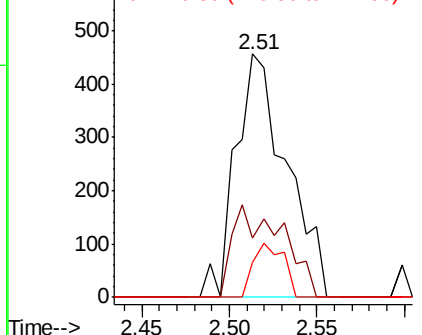
#10
Methvl Iodide
Concen: 0.339 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Tot Ion:142 Resp: 924
Ion Ratio Lower Upper
142 100
127 37.0 31.1 46.7
141 13.1 11.2 16.8

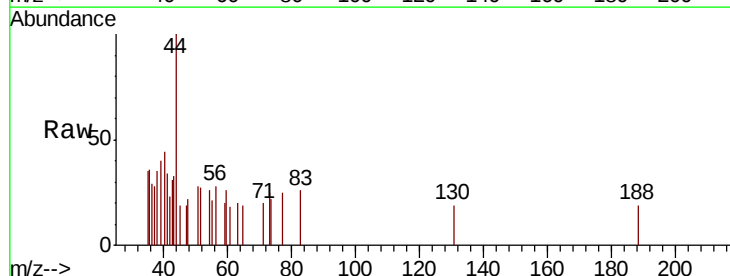


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

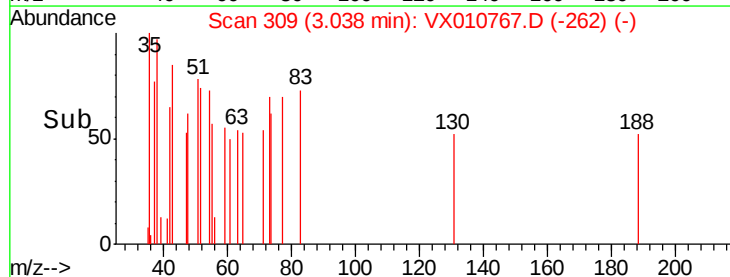
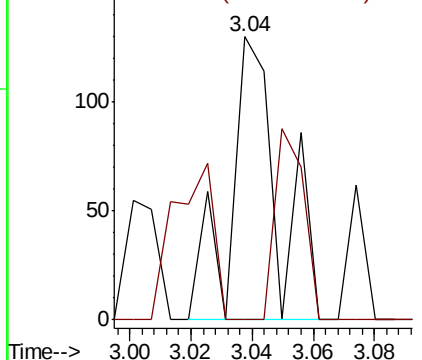


#11
Tert butyl alcohol
Concen: 0.258 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 45.8 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: 1.665 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

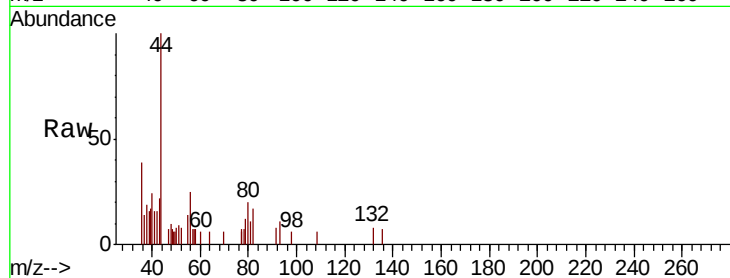
VX0710WBL01

Tot Ion: 56 Resp: 608

Ion Ratio Lower Upper

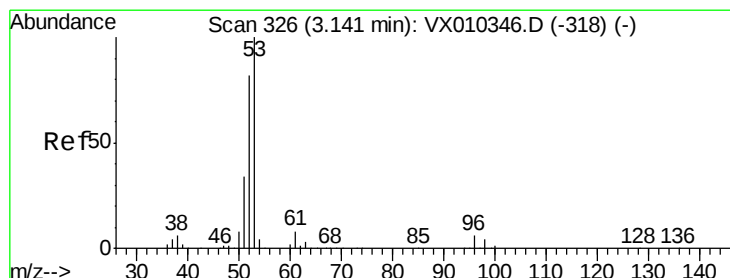
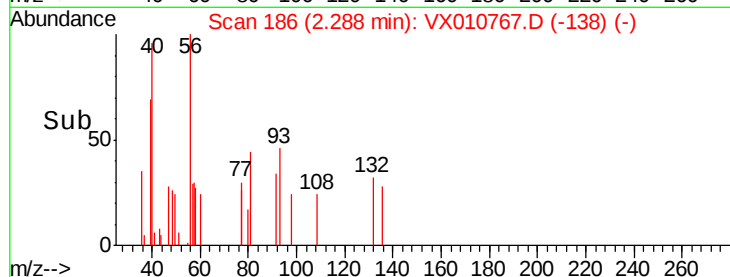
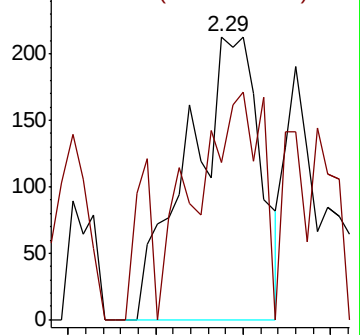
56 100

55 52.8 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.356 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

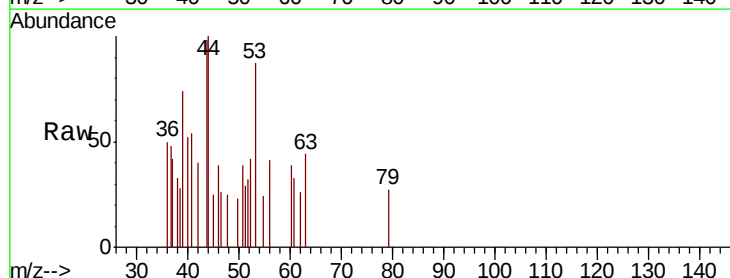
Tgt Ion: 53 Resp: 388

Ion Ratio Lower Upper

53 100

52 68.0 65.5 98.3

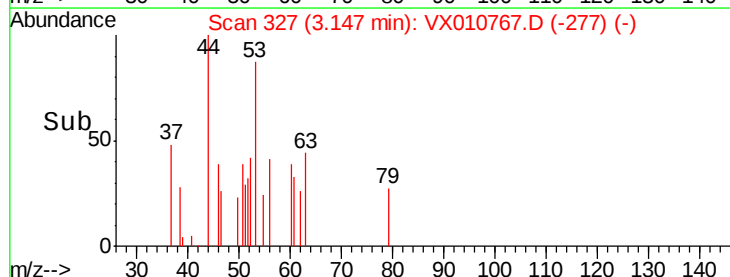
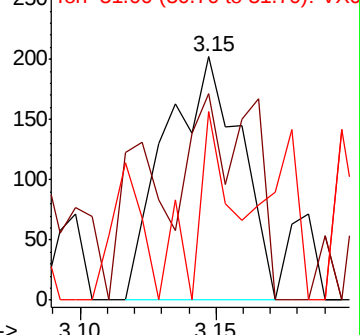
51 36.3 28.2 42.4

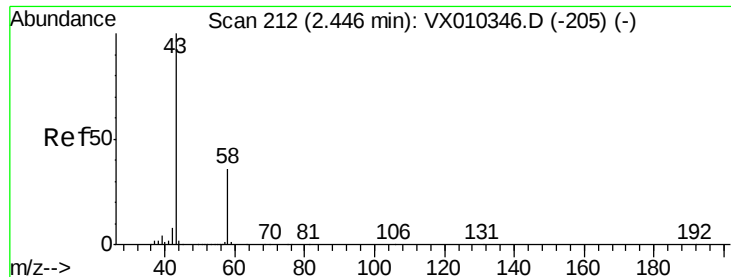


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.475 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

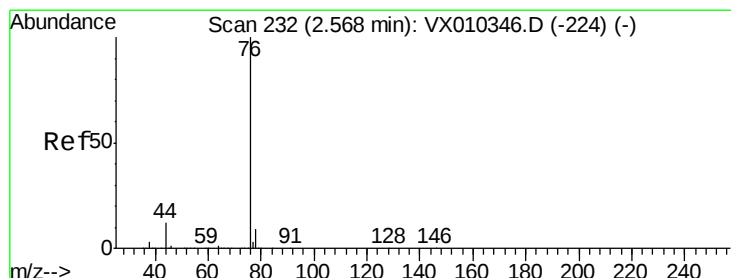
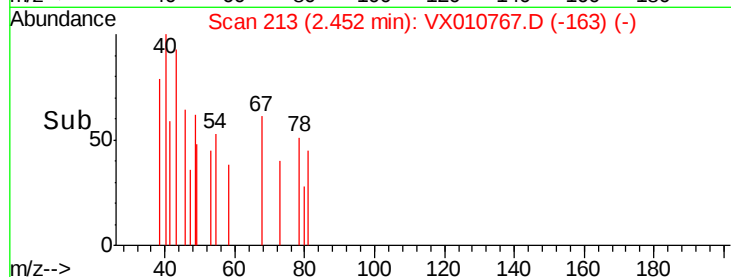
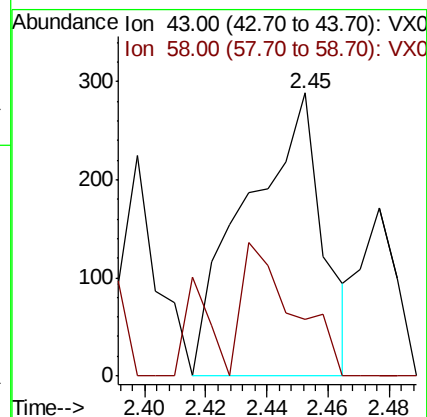
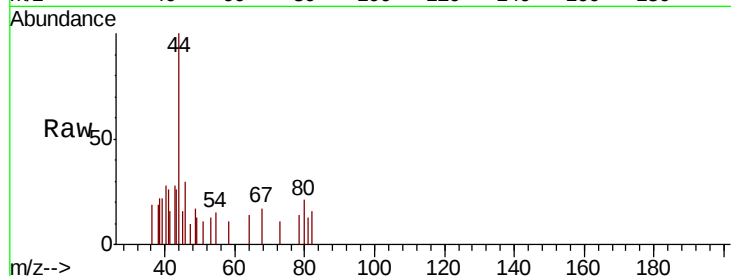
VX0710WBL01

Tot Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

58 19.8 28.9 43.3#



#17

Carbon Disulfide

Concen: 0.290 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX010767.D

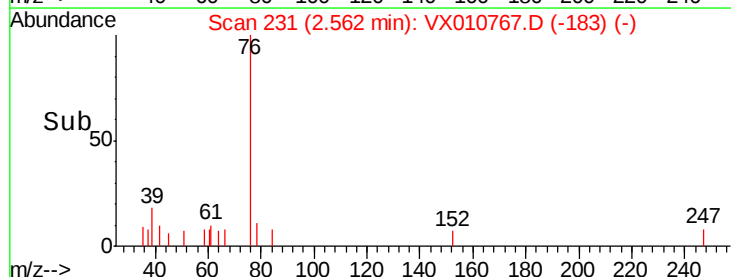
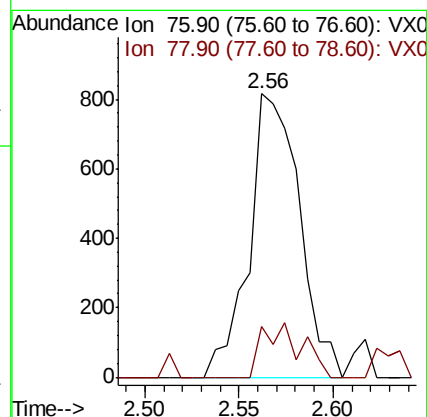
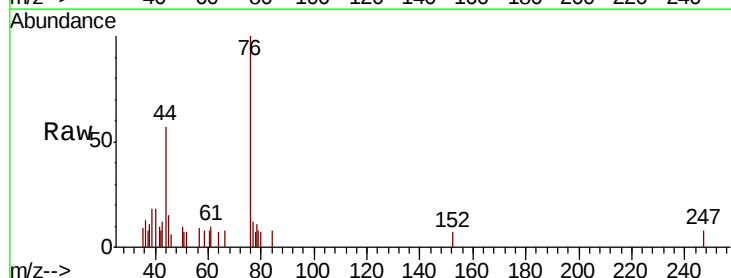
Acq: 10 Jul 2019 11:08

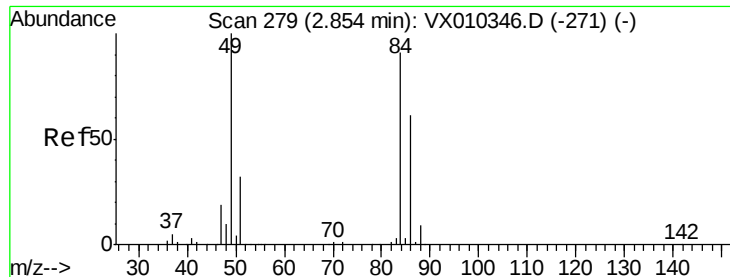
Tgt Ion: 76 Resp: 1511

Ion Ratio Lower Upper

76 100

78 18.0 7.3 10.9#





#20

Methylene Chloride

Concen: 0.227 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

VX0710WBL01

Tot Ion: 84 Resp: 492

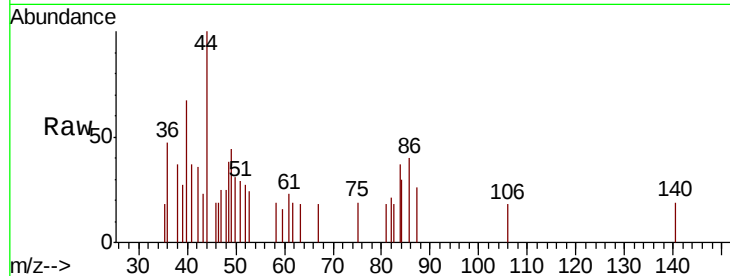
Ion Ratio Lower Upper

84 100

49 122.9 87.5 131.3

51 43.6 27.7 41.5#

86 59.6 53.4 80.0

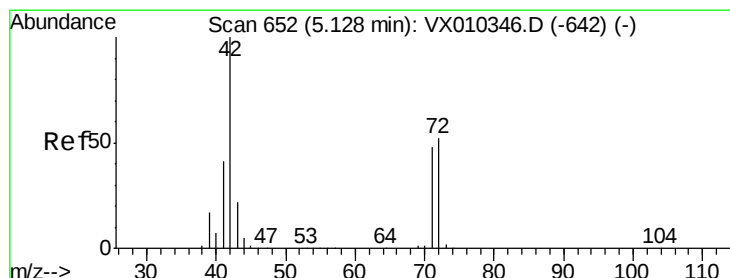
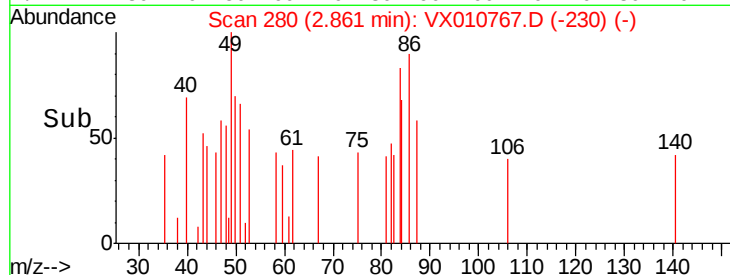
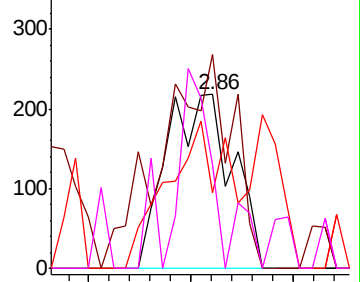


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.291 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

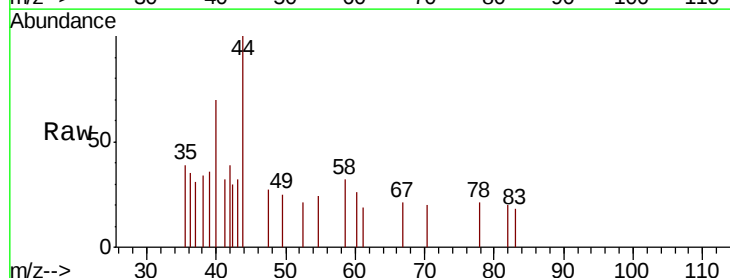
Tgt Ion: 42 Resp: 279

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

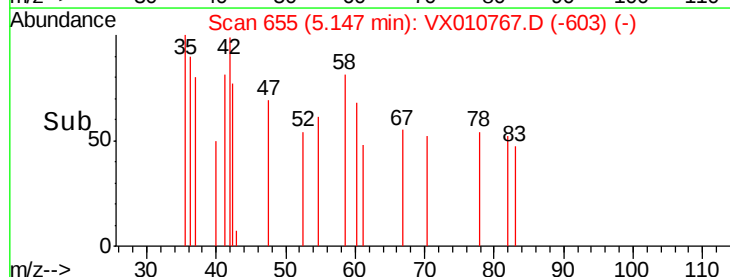
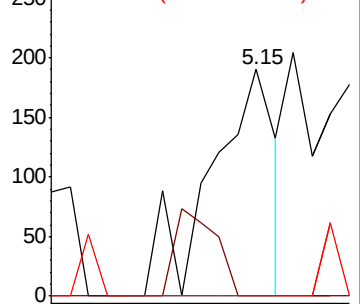
71 0.0 37.8 56.8#

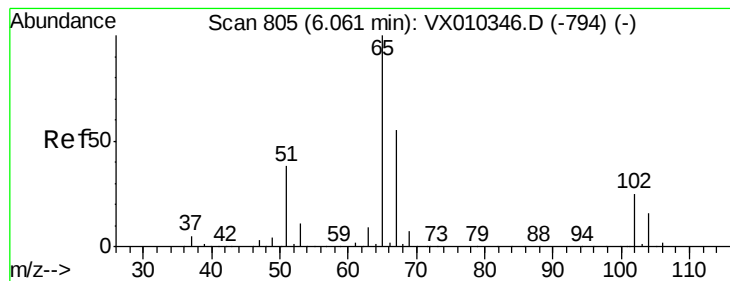


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.638 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

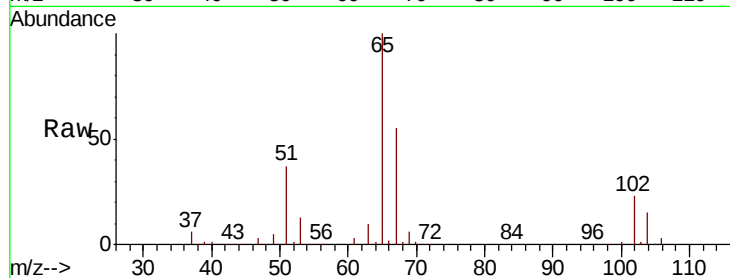
VX0710WBL01

Tot Ion: 65 Resp: 112808

Ion Ratio Lower Upper

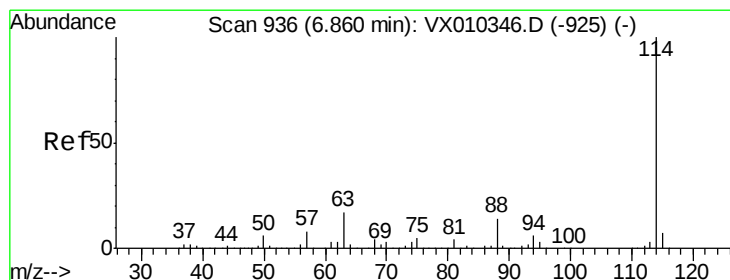
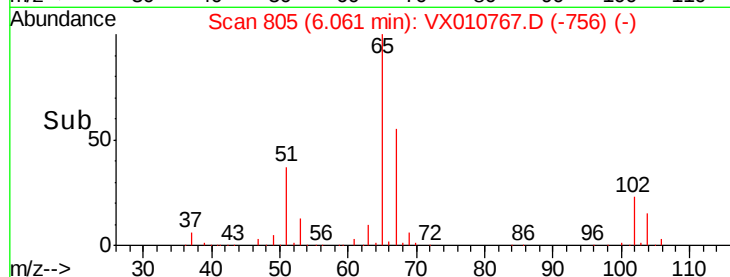
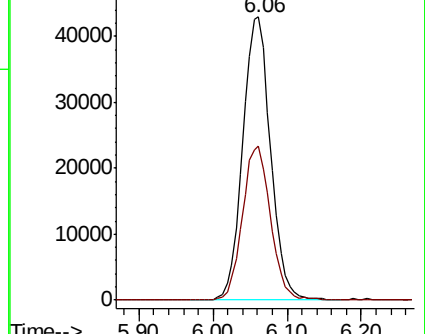
65 100

67 54.9 0.0 110.2



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

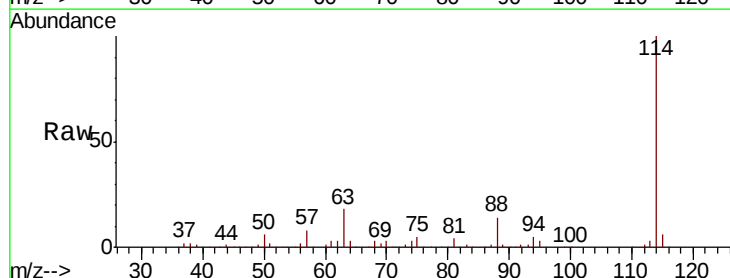
Tgt Ion: 114 Resp: 352634

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

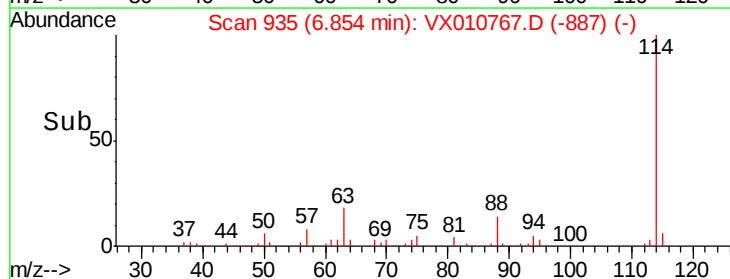
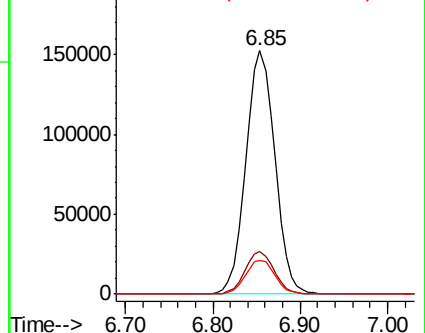
88 14.1 0.0 27.6

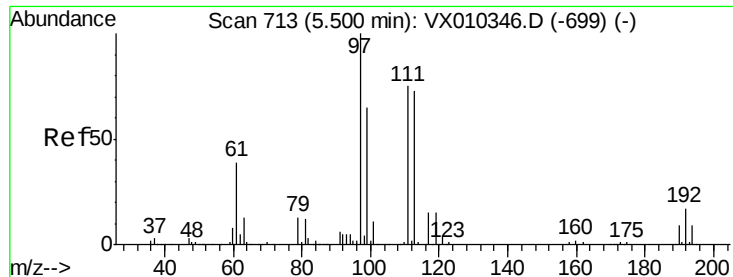


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.635 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

VX0710WBL01

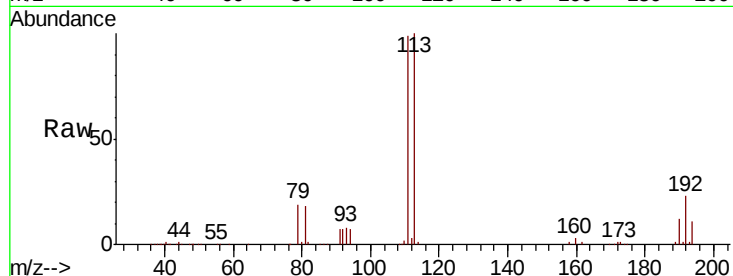
Tot Ion:113 Resp: 109248

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

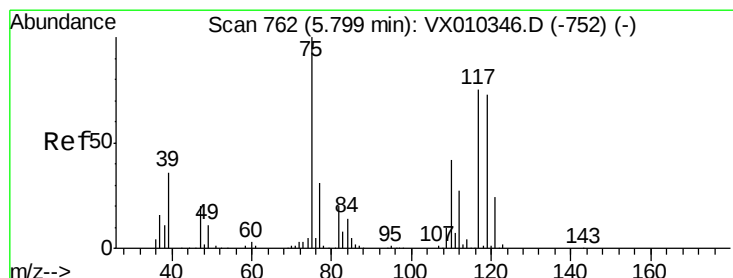
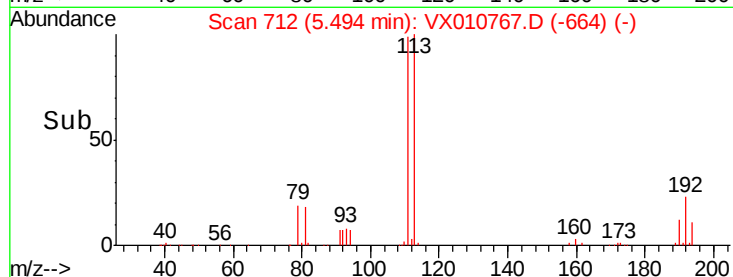
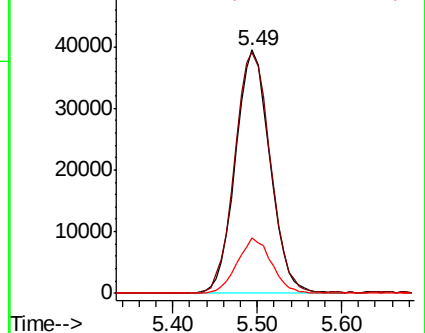
192 22.6 18.6 27.8



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: 5.238 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010767.D

Acq: 10 Jul 2019 11:08

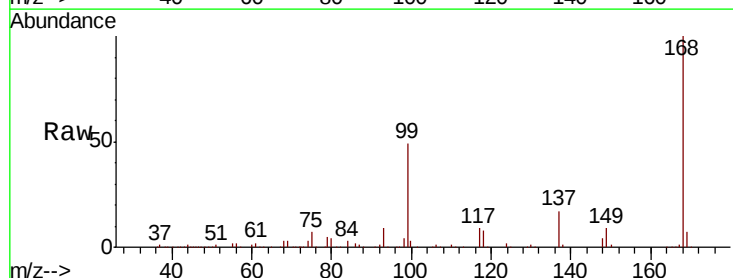
Tgt Ion: 75 Resp: 14677

Ion Ratio Lower Upper

75 100

110 11.1 20.8 62.2#

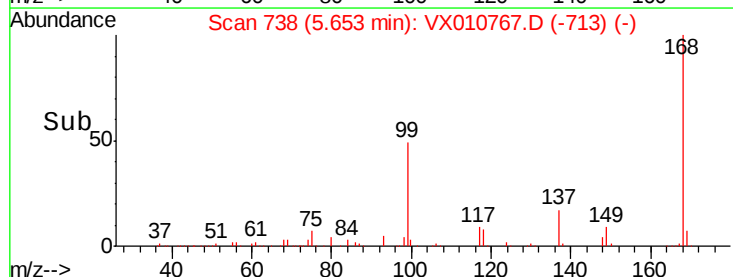
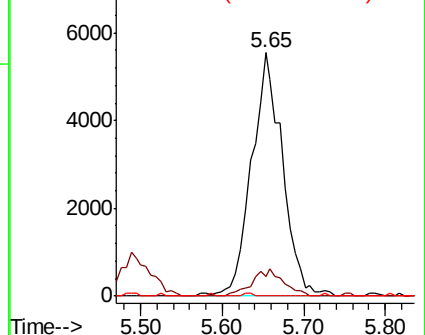
77 0.0 25.4 38.0#

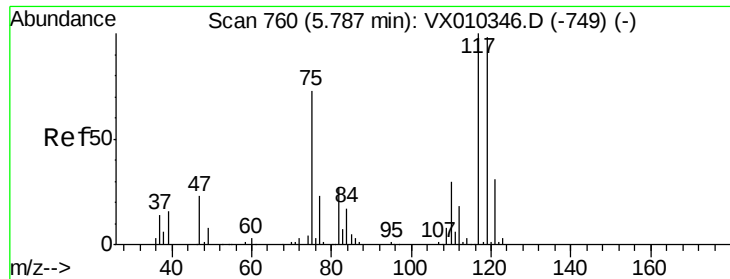


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

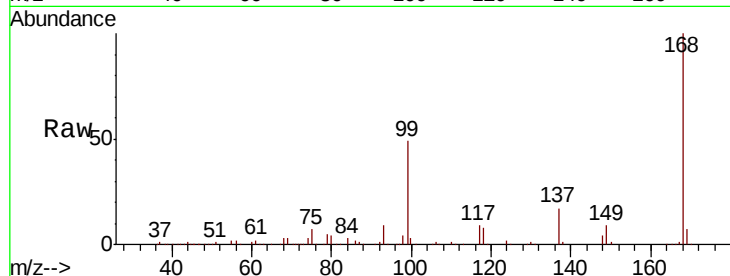




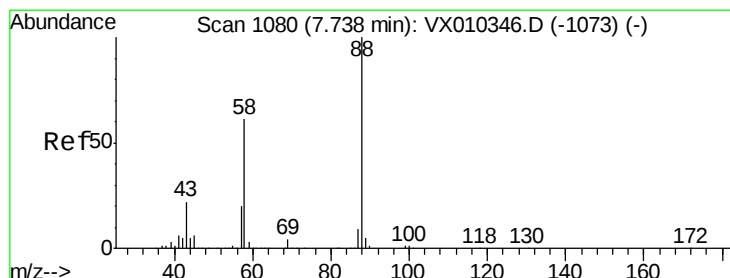
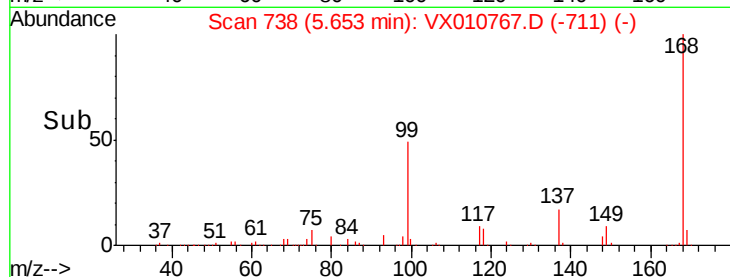
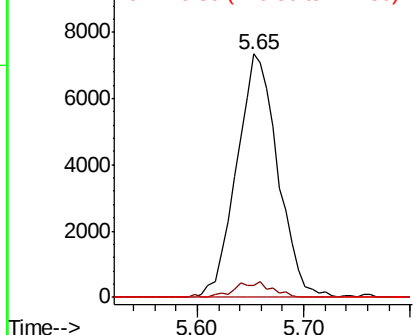
#38
Carbon Tetrachloride
Concen: 6.557 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Tot Ion:117 Resp: 19897
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.4#
121 0.0 24.7 37.1#

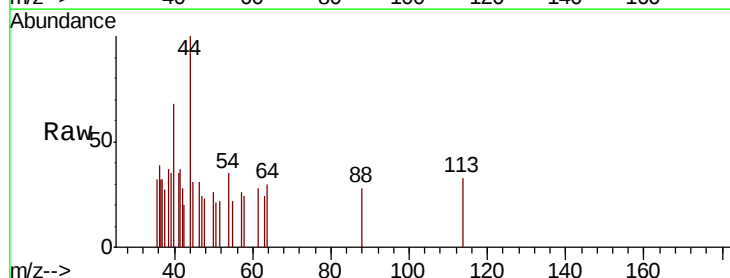


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

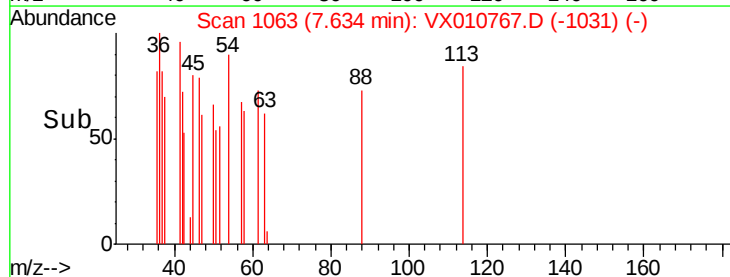
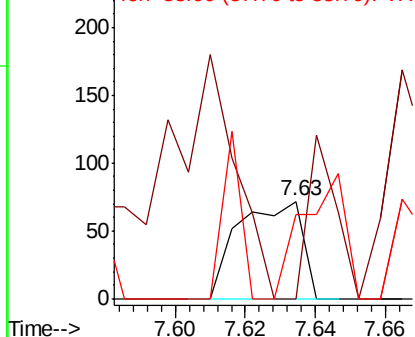


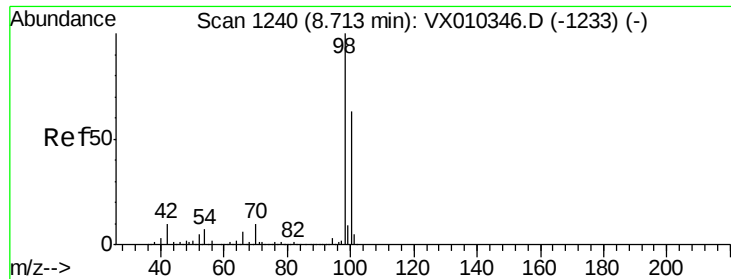
#49
1,4-Dioxane
Concen: 1.425 ug/l
RT: 7.63 min Scan# 1063
Delta R.T. -0.10 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 74.7 20.2 30.2#
58 86.8 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

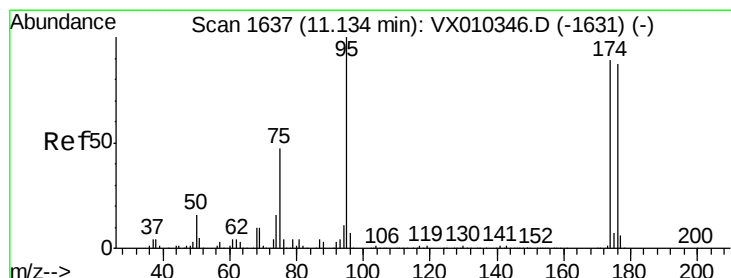
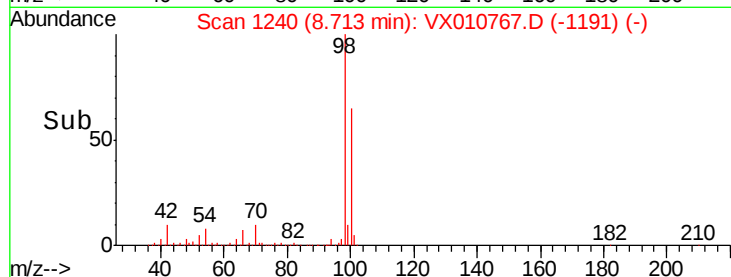
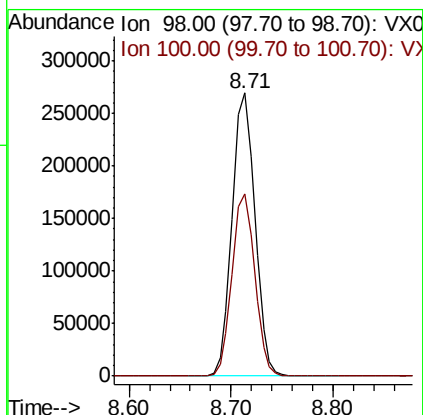
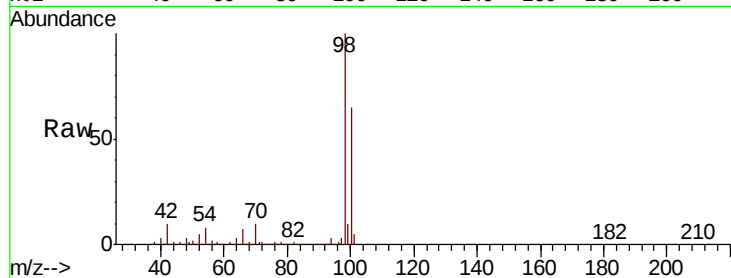




#50
Toluene-d8
Concen: 50.581 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

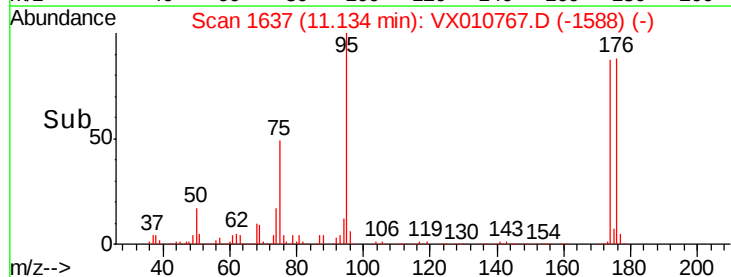
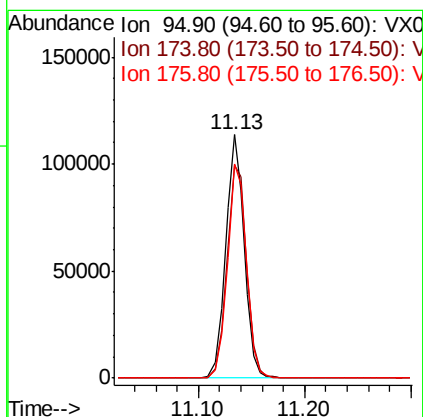
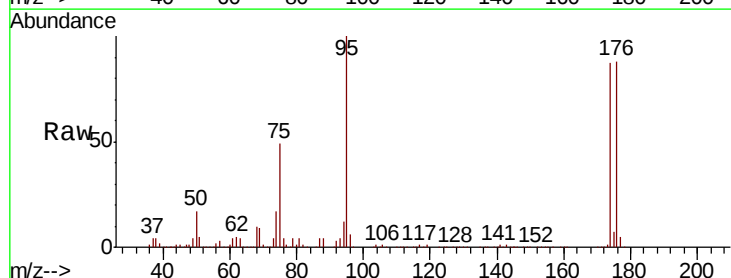
Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

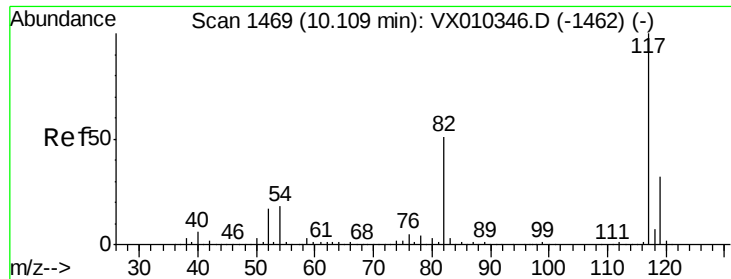
Tot Ion: 98 Resp: 417515
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.279 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

Tgt Ion: 95 Resp: 137915
Ion Ratio Lower Upper
95 100
174 93.2 0.0 187.6
176 90.5 0.0 184.0

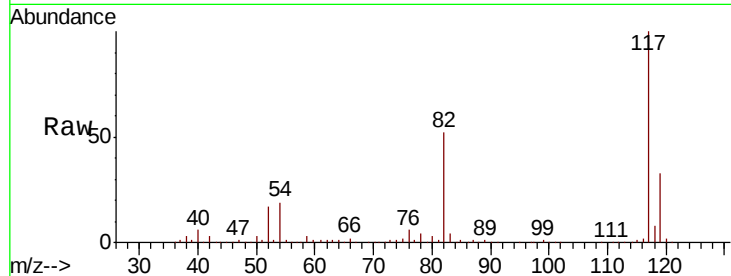




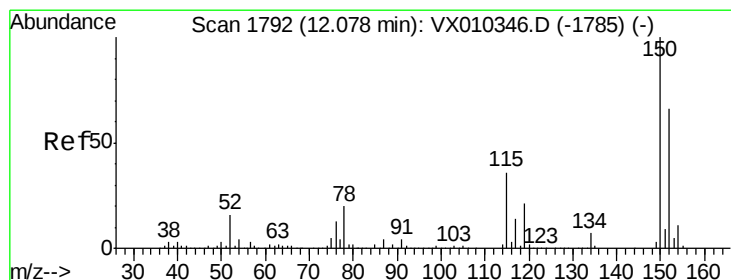
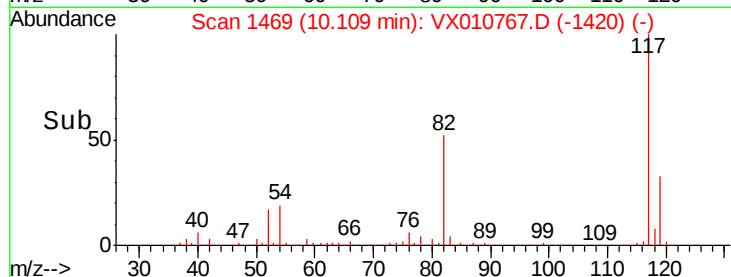
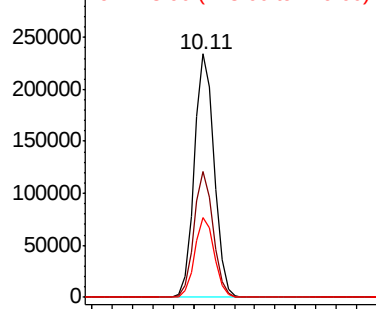
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Tot Ion:117 Resp: 316960
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.7 25.5 38.3

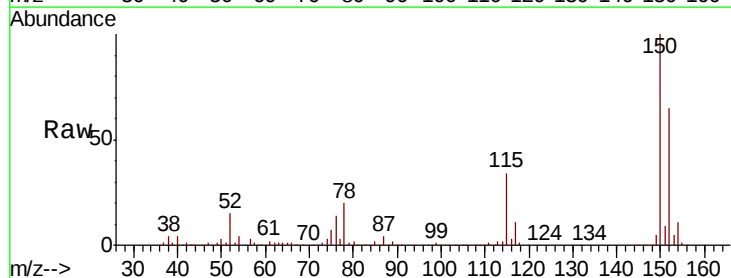


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

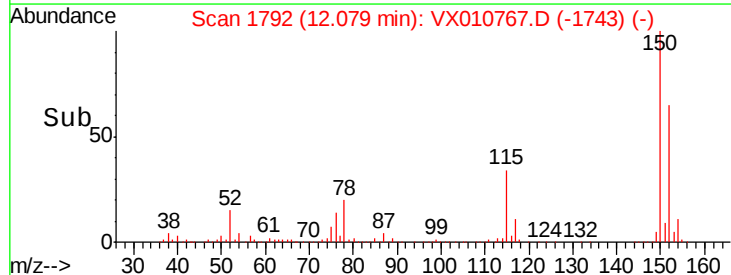
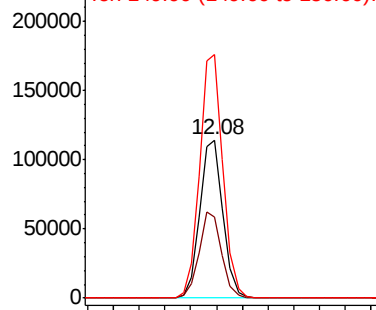


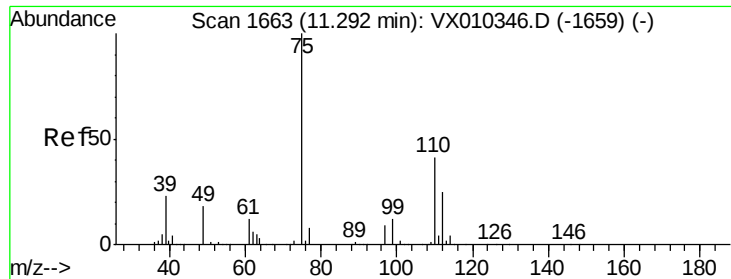
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010767.D
Acq: 10 Jul 2019 11:08

Tgt Ion:152 Resp: 143548
Ion Ratio Lower Upper
152 100
115 53.4 38.6 115.7
150 155.0 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

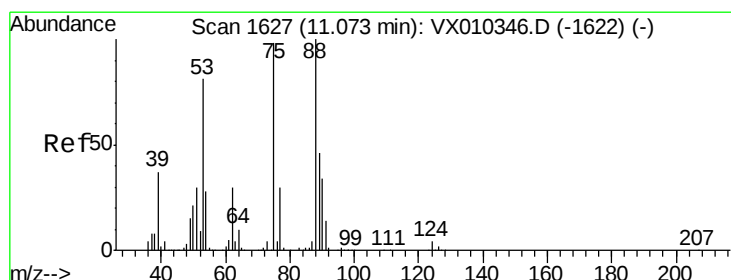
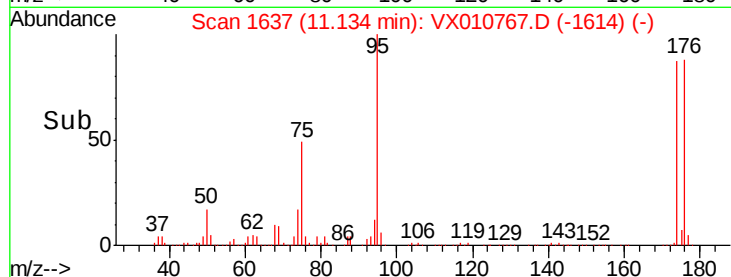
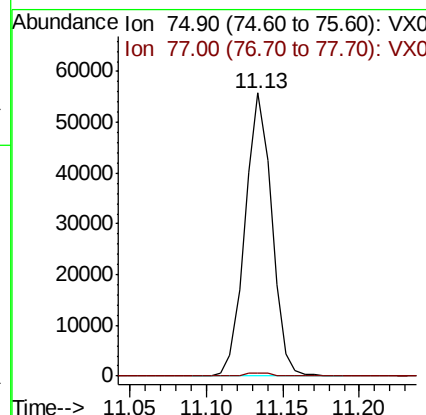
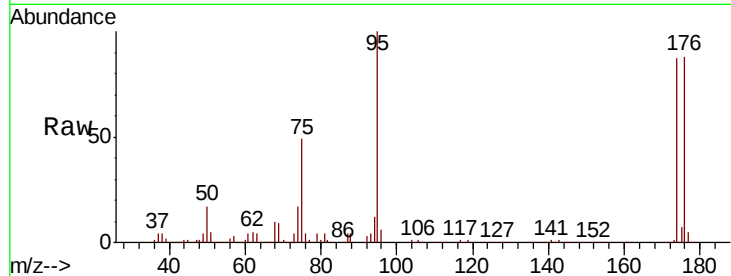




#76
 1,2,3-Trichloropropane
 Concen: 25.841 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010767.D
 Acq: 10 Jul 2019 11:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBL01

Tot Ion: 75 Resp: 67595
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.284 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010767.D
 Acq: 10 Jul 2019 11:08

Tgt Ion: 75 Resp: 67595
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.0 37.8 56.6#

