

Data File : VX012437.D
Acq On : 17 Sep 2019 17:21
Operator : JC/SP
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Time: Sep 18 03:22:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	144938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	232146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93612	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	100621	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	5.48	113	70333	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.71	98	271723	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.13	95	108544	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

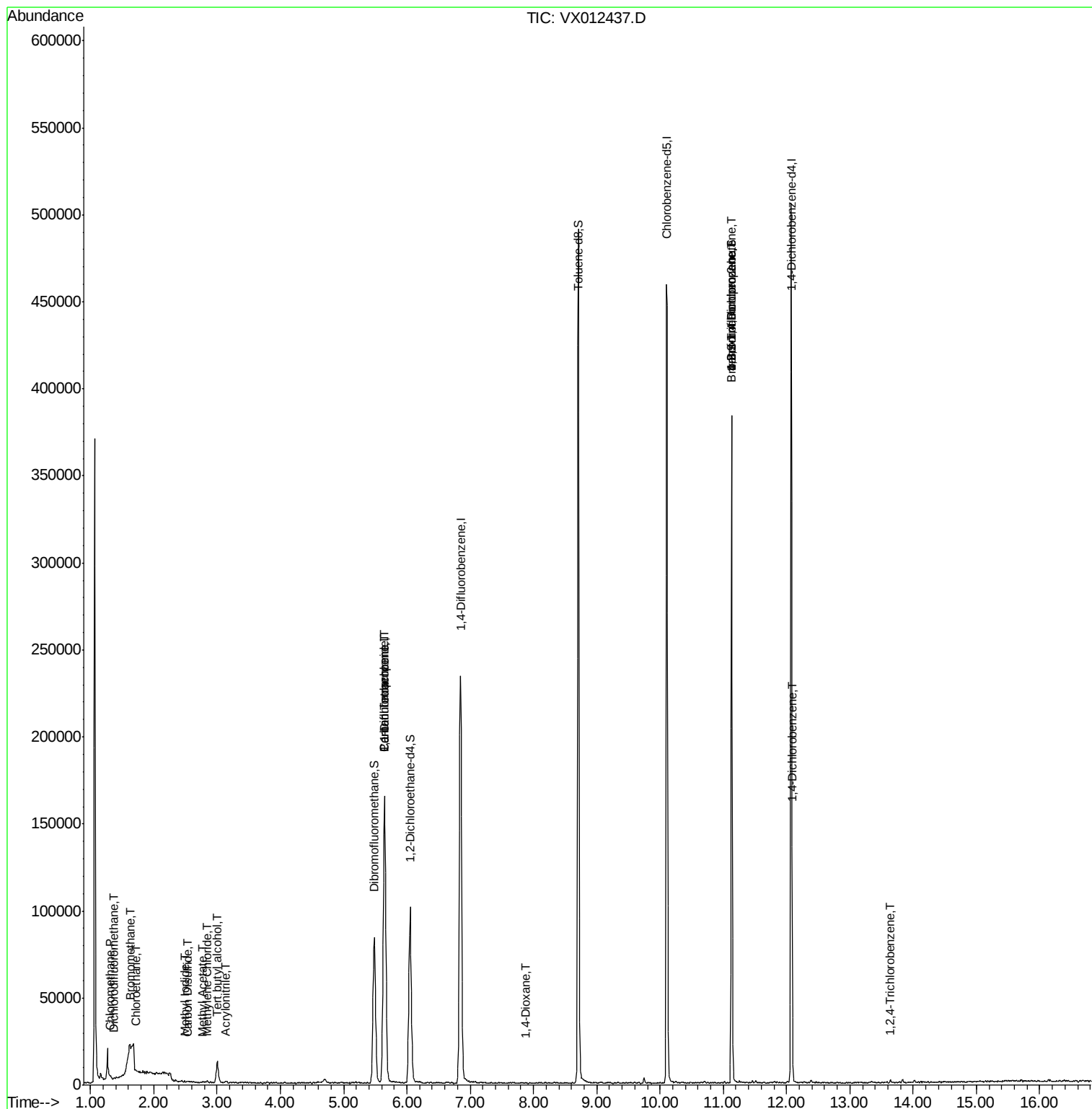
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.37	85	23	0.415	ug/l #	43
3) Chloromethane	1.31	50	289	0.363	ug/l #	75
5) Bromomethane	1.63	94	614	1.815	ug/l #	79
6) Chloroethane	1.72	64	348	0.516	ug/l #	45
10) Methyl Iodide	2.50	142	707	5.099	ug/l	90
11) Tert butyl alcohol	3.00	59	7306	8.189	ug/l #	81
13) Acrolein	2.28	56	199	Below Cal	#	15
15) Acrylonitrile	3.14	53	303	0.337	ug/l #	84
16) Acetone	2.44	43	408	Below Cal	#	74
17) Carbon Disulfide	2.54	76	539	2.210	ug/l #	33
18) Methyl Acetate	2.76	43	520	0.240	ug/l #	54
20) Methylene Chloride	2.84	84	400	0.318	ug/l #	60
36) 1,1-Dichloropropene	5.65	75	12635	8.955	ug/l #	53
38) Carbon Tetrachloride	5.64	117	15849	9.032	ug/l #	16
49) 1,4-Dioxane	7.87	88	20	0.448	ug/l #	1
71) Bromoform	11.12	173	163	2.998	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	55512	25.815	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	55512	69.581	ug/l #	8
88) 1,4-Dichlorobenzene	12.09	146	568	0.205	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.64	180	394	0.217	ug/l	95

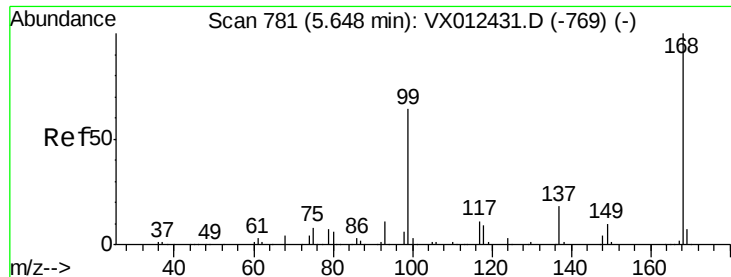
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

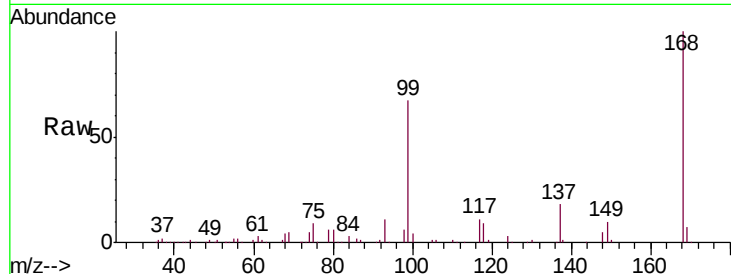
VX0917WBL01

Tgt Ion:168 Resp: 144938

Ion Ratio Lower Upper

168 100

99 66.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

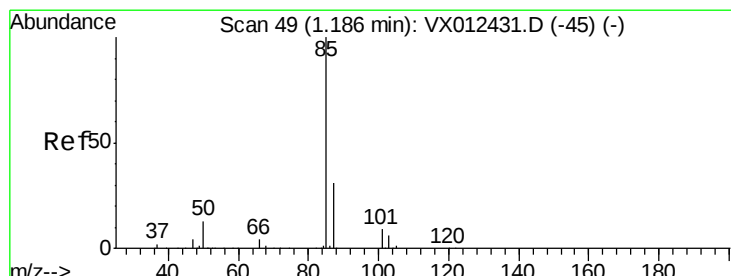
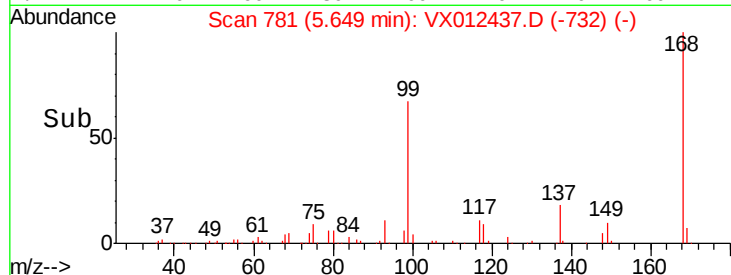
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.415 ug/l

RT: 1.37 min Scan# 79

Delta R.T. 0.18 min

Lab File: VX012437.D

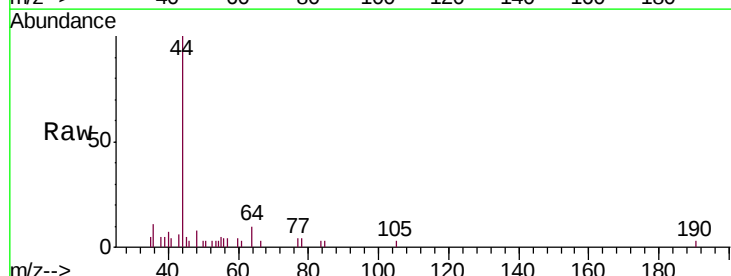
Acq: 17 Sep 2019 17:21

Tgt Ion: 85 Resp: 23

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.37

60

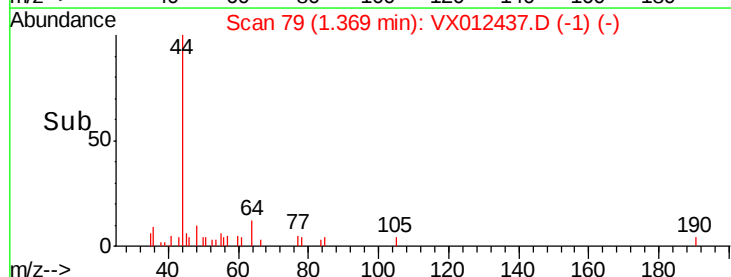
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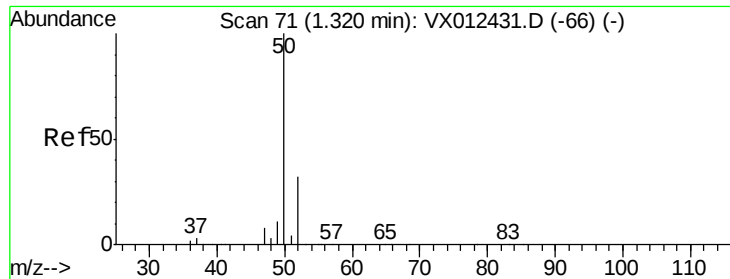
20

0

Time-->

1.35 1.36 1.37 1.38





#3

Chloromethane

Concen: 0.363 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

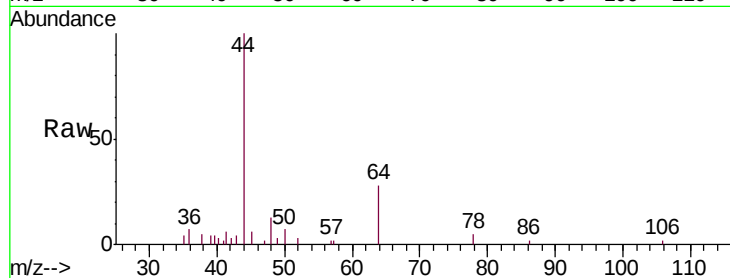
VX0917WBL01

Tgt Ion: 50 Resp: 289

Ion Ratio Lower Upper

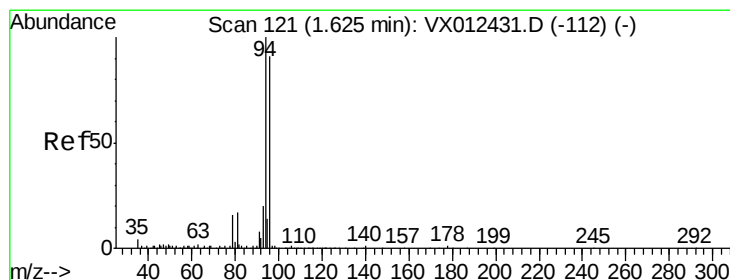
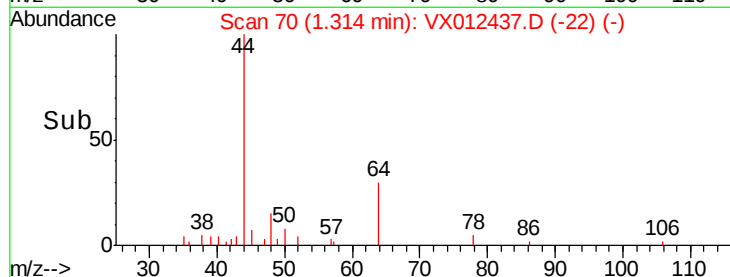
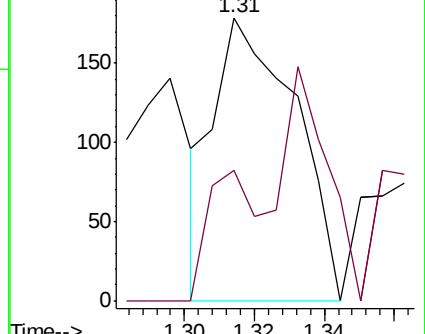
50 100

52 45.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 1.815 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012437.D

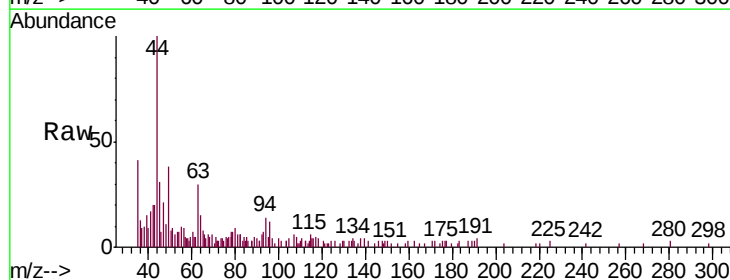
Acq: 17 Sep 2019 17:21

Tgt Ion: 94 Resp: 614

Ion Ratio Lower Upper

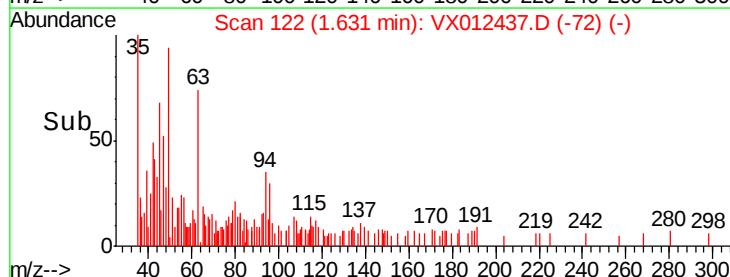
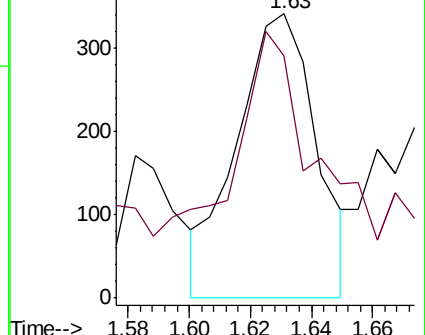
94 100

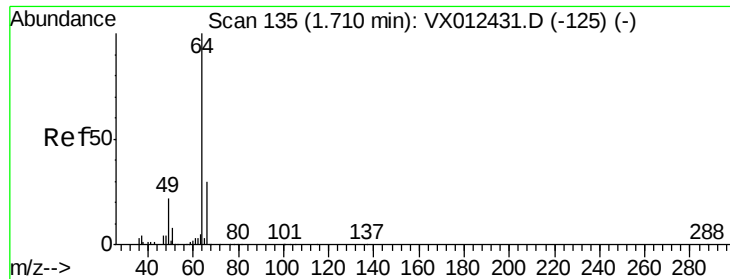
96 70.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.516 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

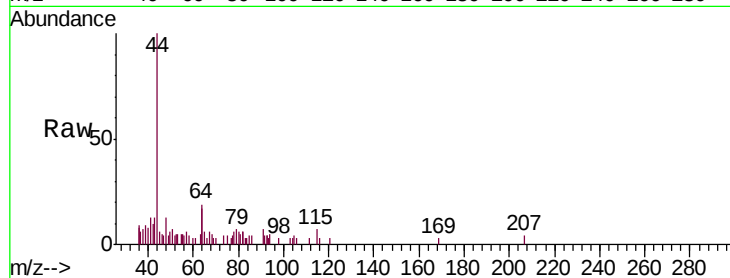
VX0917WBL01

Tgt Ion: 64 Resp: 348

Ion Ratio Lower Upper

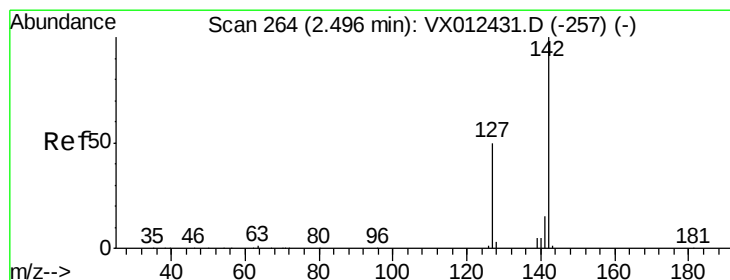
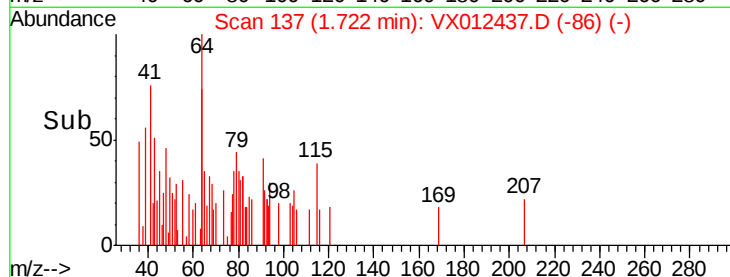
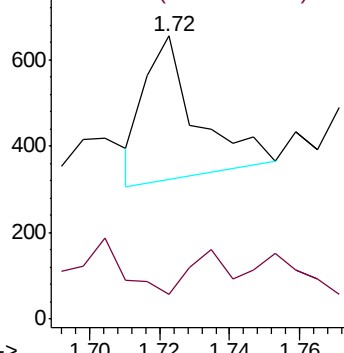
64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.099 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

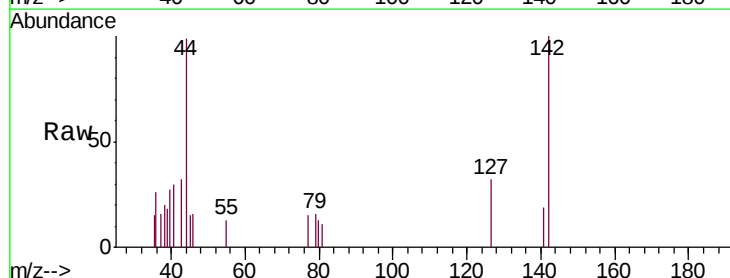
Tgt Ion: 142 Resp: 707

Ion Ratio Lower Upper

142 100

127 42.7 40.8 61.2

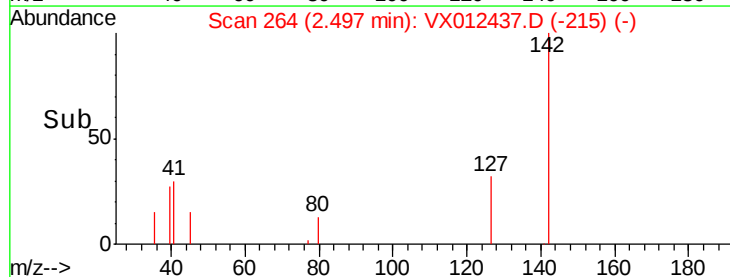
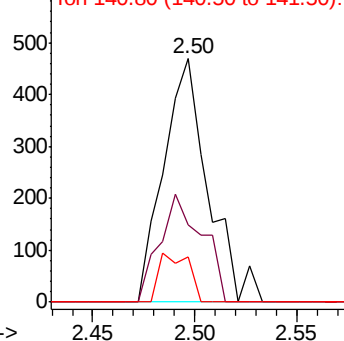
141 13.3 12.1 18.1

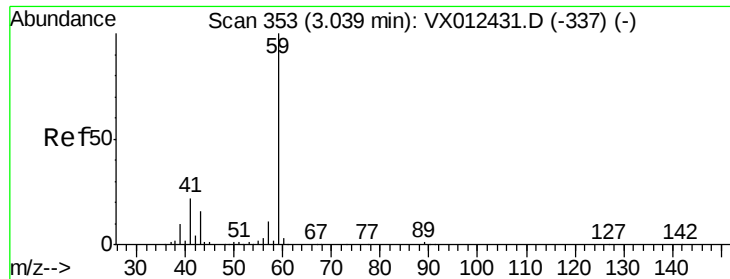


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

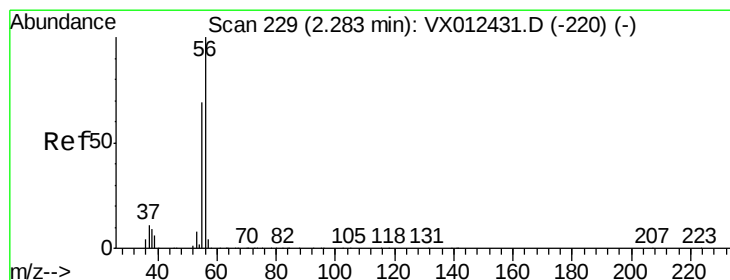
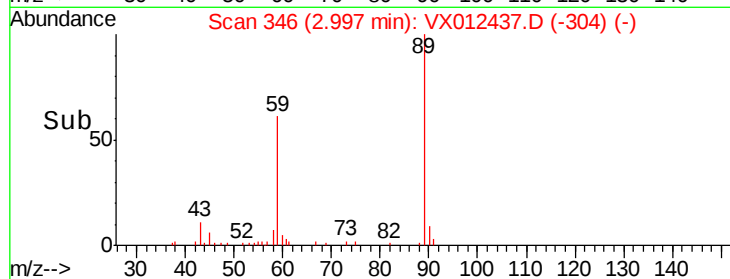
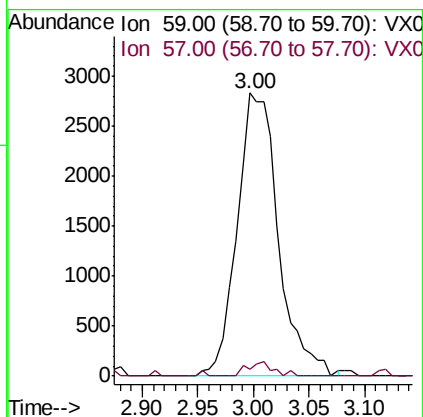
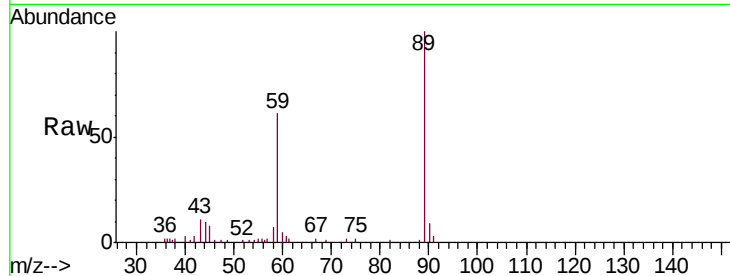




#11
Tert butyl alcohol
Concen: 8.189 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.04 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

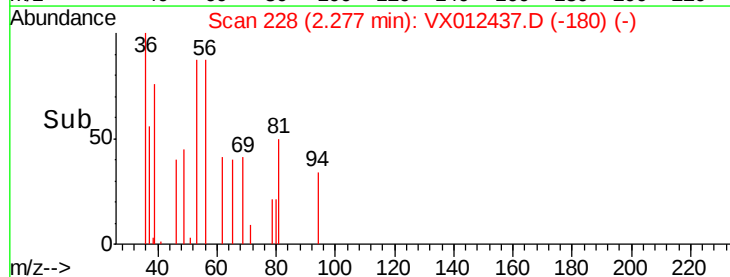
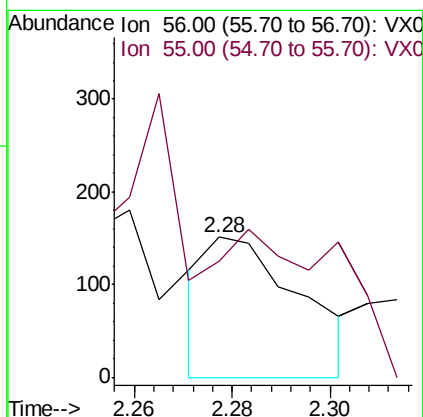
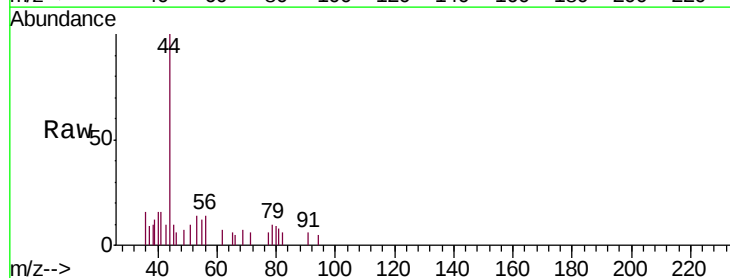
Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

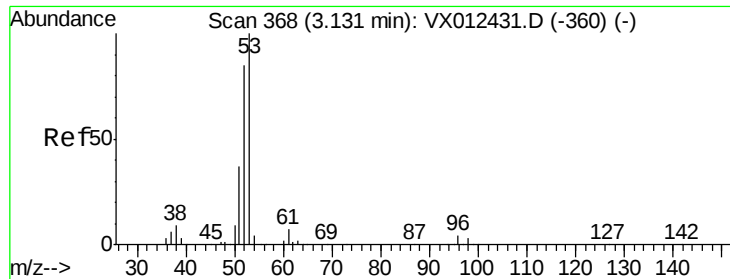
Tgt Ion: 59 Resp: 7306
Ion Ratio Lower Upper
59 100
57 3.1 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

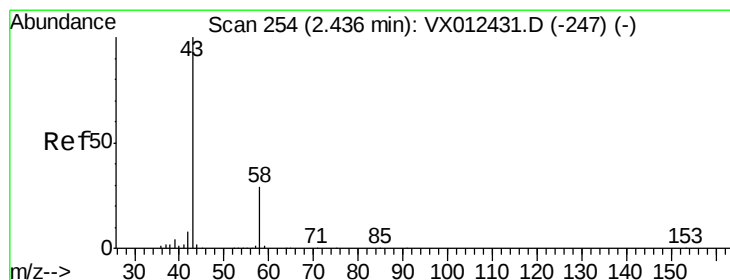
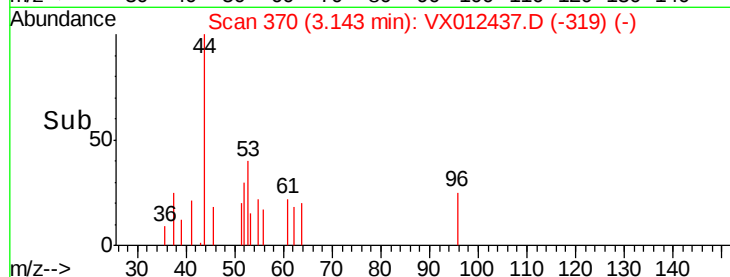
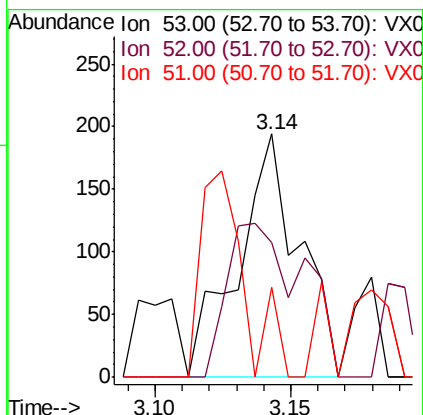
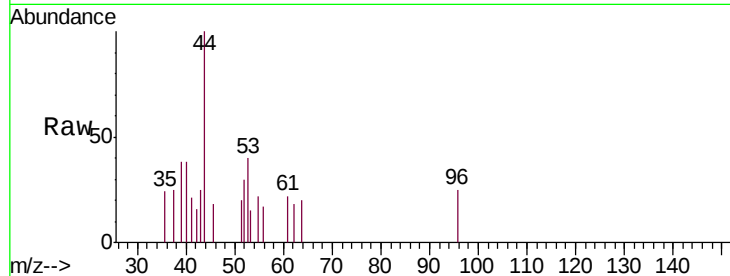




#15
 Acrylonitrile
 Concen: 0.337 ug/l
 RT: 3.14 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VX012437.D
 Acq: 17 Sep 2019 17:21

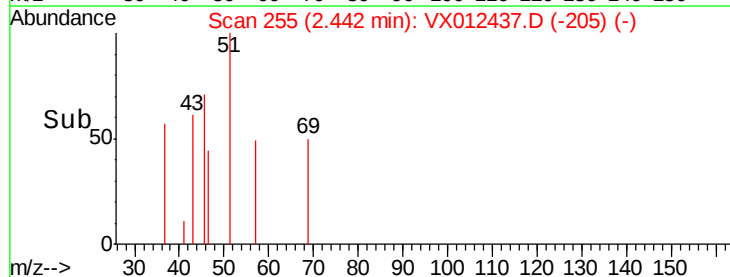
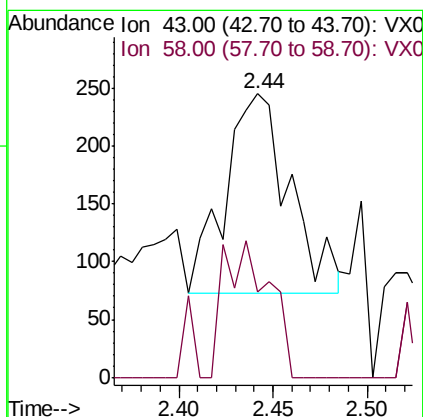
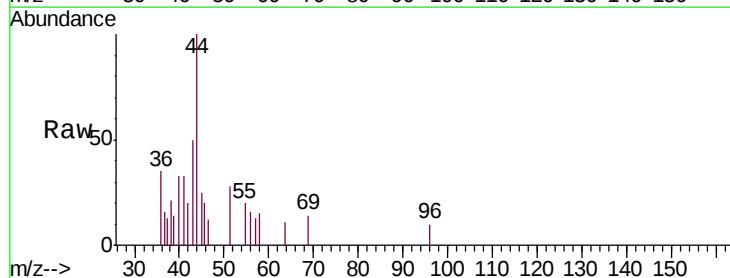
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBL01

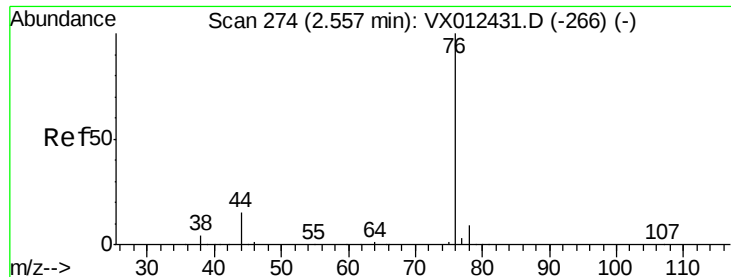
Tgt Ion: 53 Resp: 303
 Ion Ratio Lower Upper
 53 100
 52 77.9 67.0 100.4
 51 60.1 29.6 44.4#



#16
 Acetone
 Concen: Below Cal
 RT: 2.44 min Scan# 255
 Delta R.T. 0.01 min
 Lab File: VX012437.D
 Acq: 17 Sep 2019 17:21

Tgt Ion: 43 Resp: 408
 Ion Ratio Lower Upper
 43 100
 58 43.0 23.3 34.9#





#17

Carbon Disulfide

Concen: 2.210 ug/l

RT: 2.54 min Scan# 271

Delta R.T. -0.02 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampled :

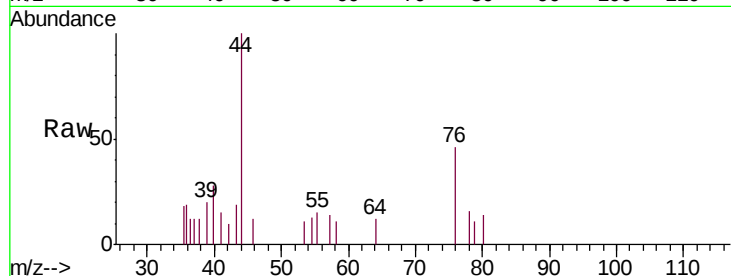
VX0917WBL01

Tgt Ion: 76 Resp: 539

Ion Ratio Lower Upper

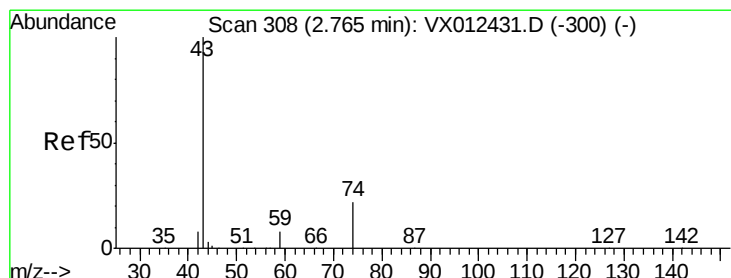
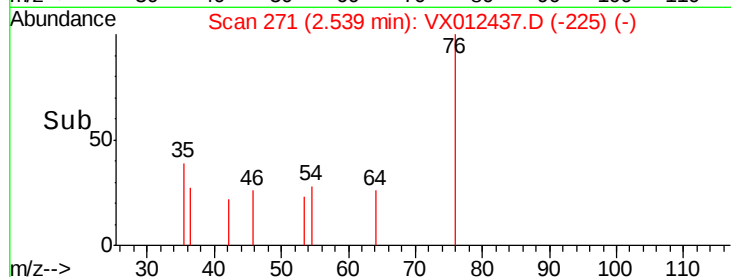
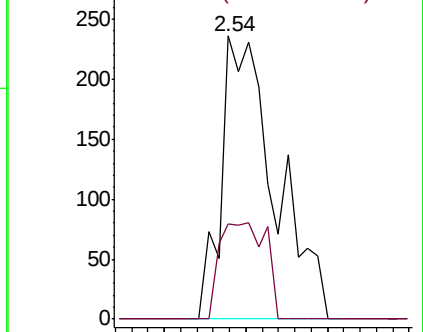
76 100

78 33.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.240 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012437.D

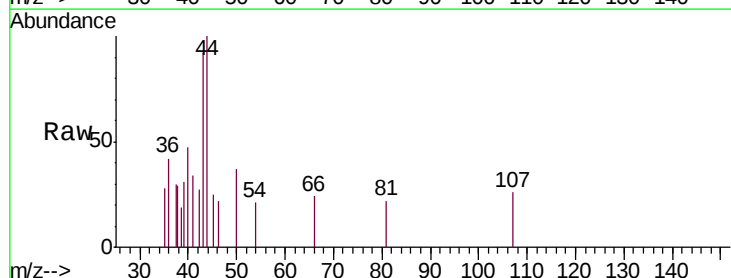
Acq: 17 Sep 2019 17:21

Tgt Ion: 43 Resp: 520

Ion Ratio Lower Upper

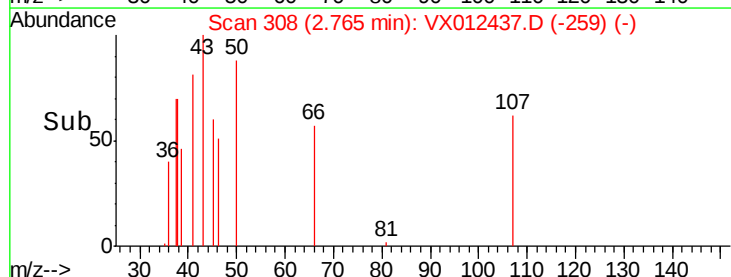
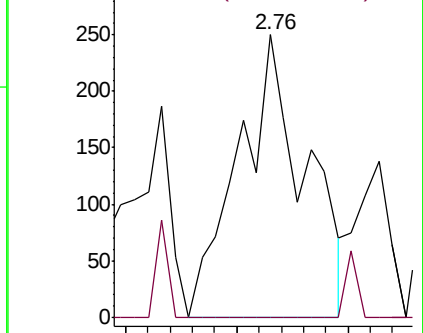
43 100

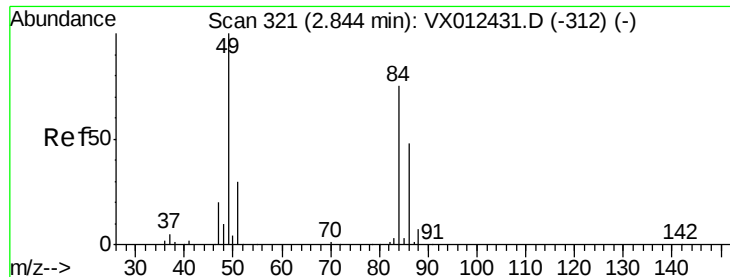
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

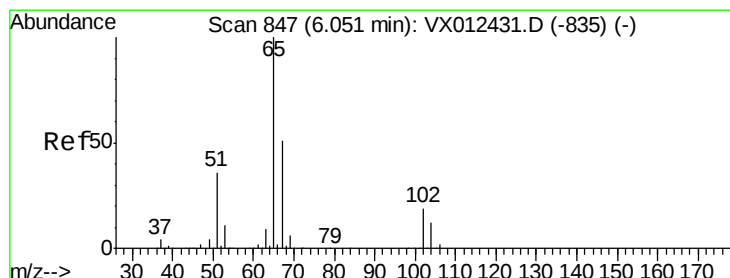
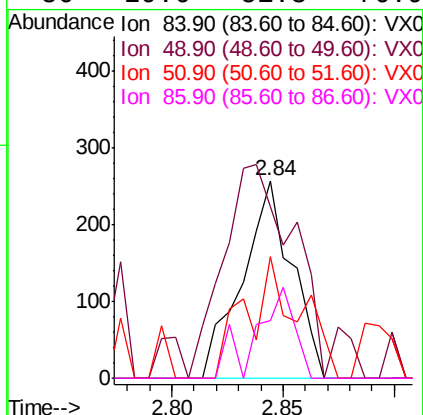
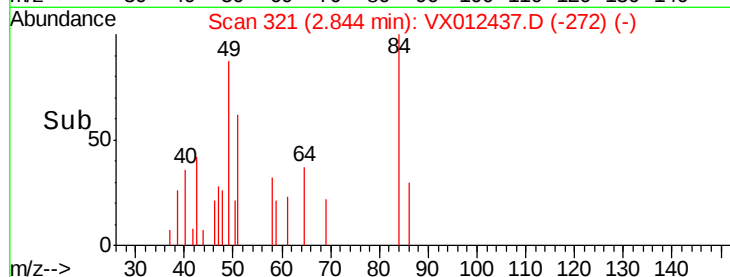
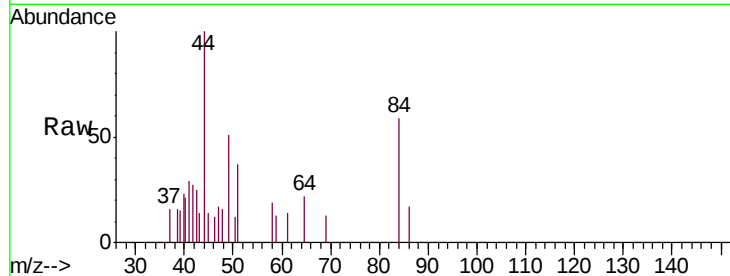




#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

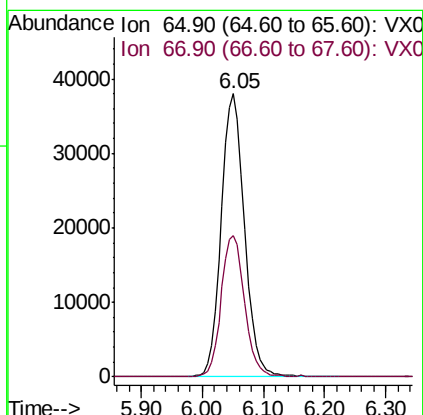
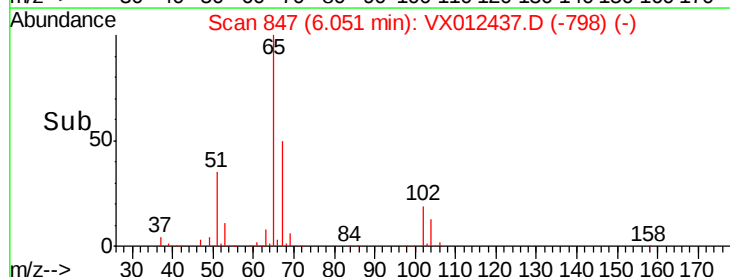
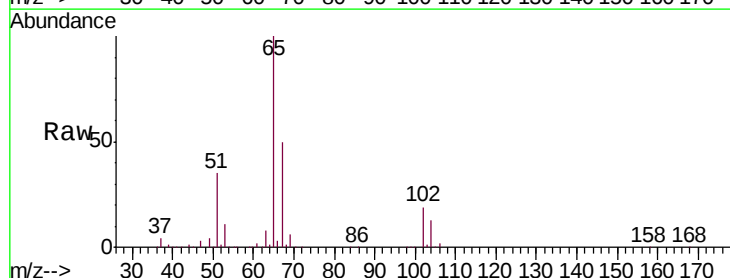
Instrument :
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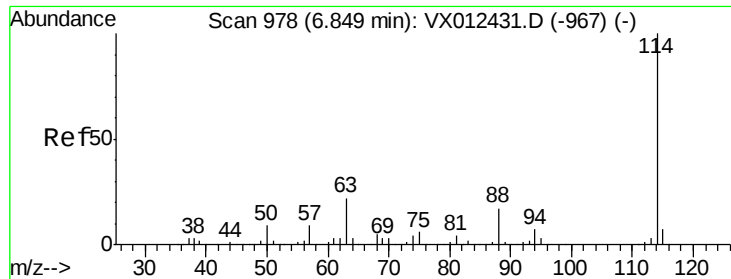
Tgt Ion: 84 Resp: 400
Ion Ratio Lower Upper
84 100
49 87.2 106.8 160.2#
51 61.9 32.3 48.5#
86 29.6 51.3 76.9#



#33
1,2-Dichloroethane-d4
Concen: 48.439 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

Tgt Ion: 65 Resp: 100621
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.2

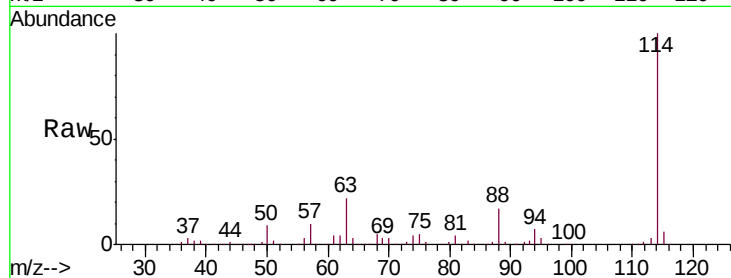




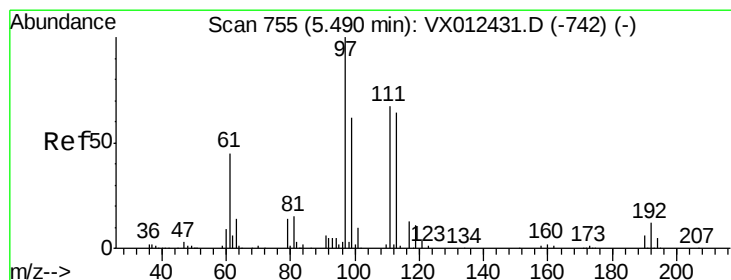
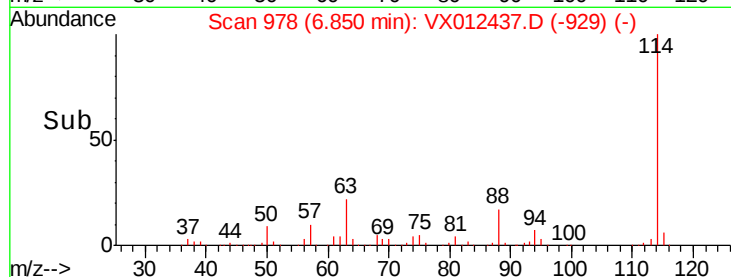
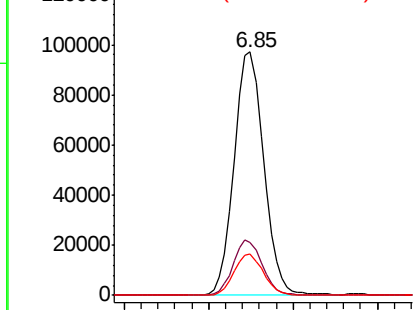
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012437.D
 Acq: 17 Sep 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBL01

Tgt Ion:114 Resp: 232146
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 17.0 0.0 33.2

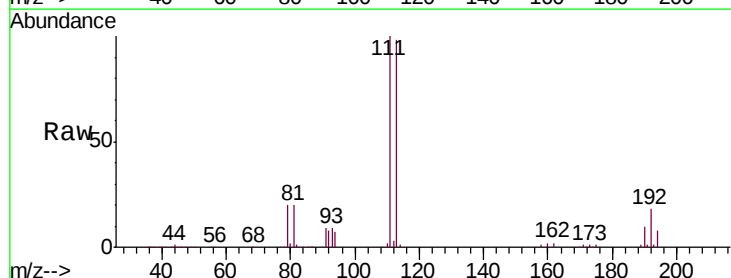


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

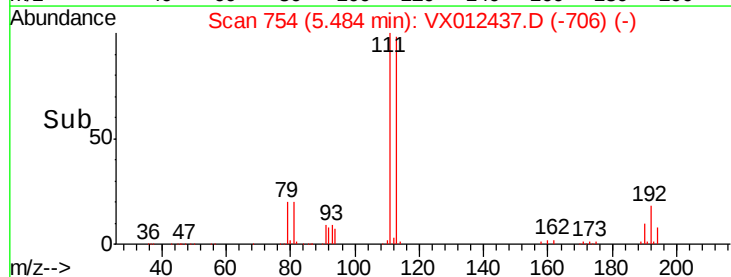
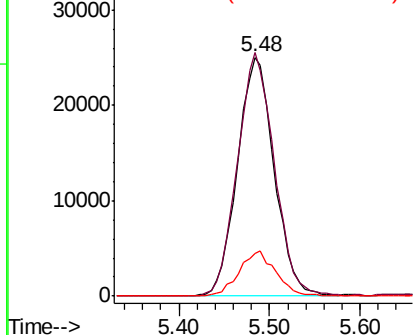


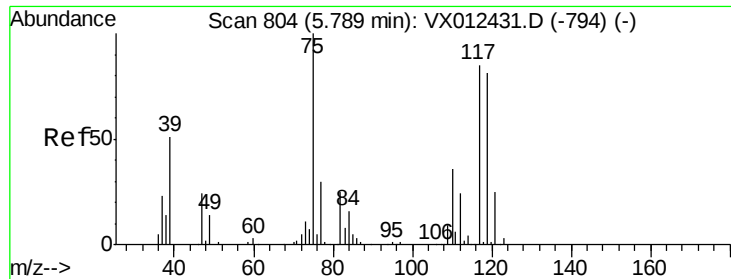
#35
 Dibromofluoromethane
 Concen: 50.056 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012437.D
 Acq: 17 Sep 2019 17:21

Tgt Ion:113 Resp: 70333
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.2
 192 18.8 14.4 21.6



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: 8.955 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBL01

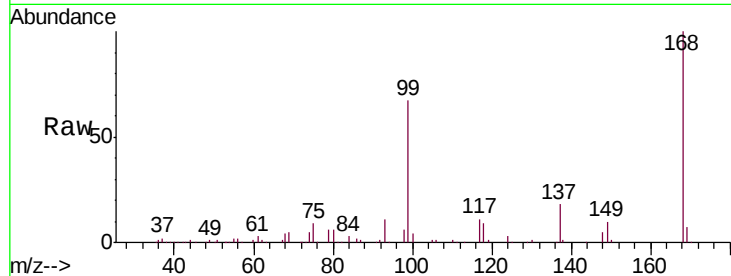
Tgt Ion: 75 Resp: 12635

Ion Ratio Lower Upper

75 100

110 10.7 16.7 50.0#

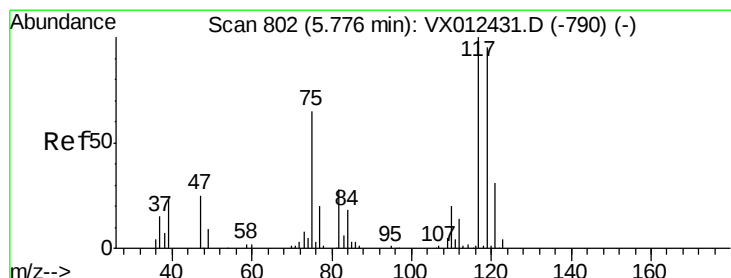
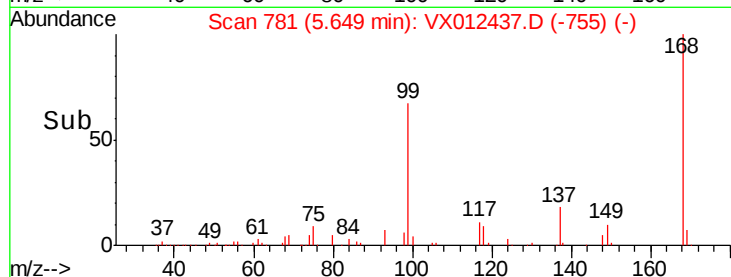
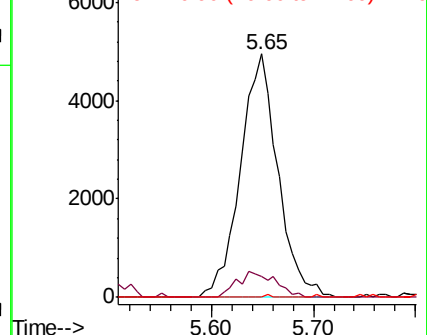
77 0.2 24.2 36.2#



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: 9.032 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

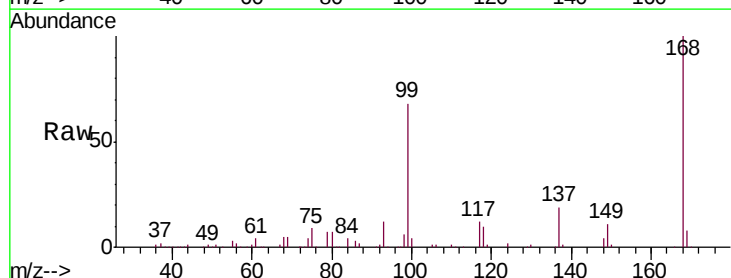
Tgt Ion: 117 Resp: 15849

Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

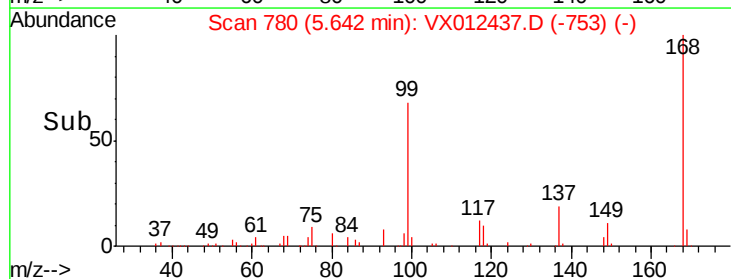
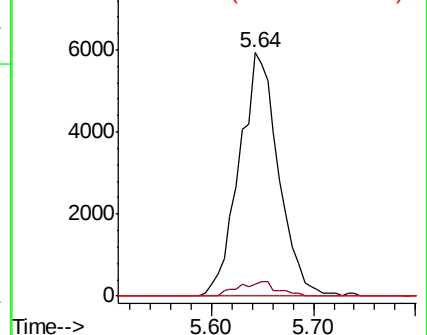
121 0.0 24.2 36.4#

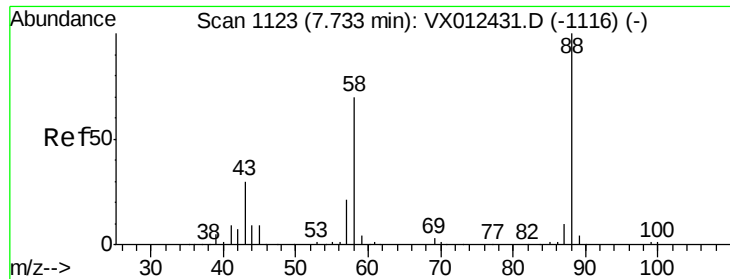


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

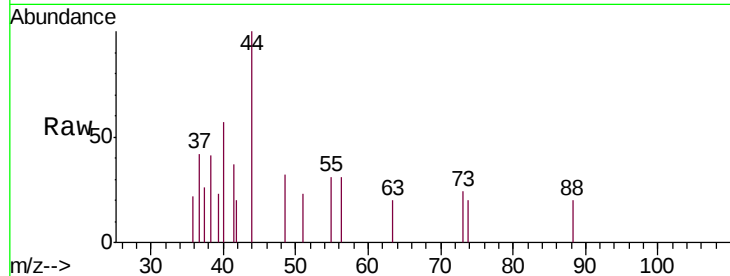




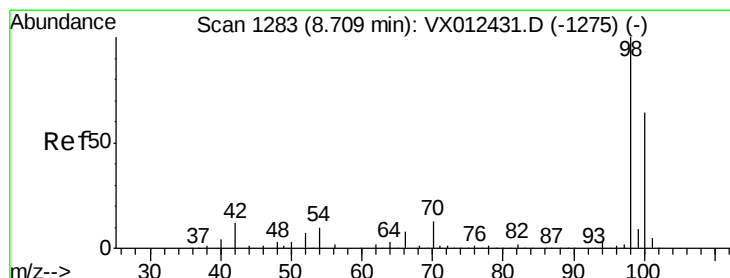
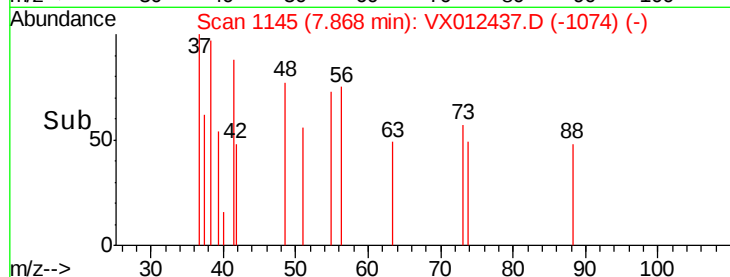
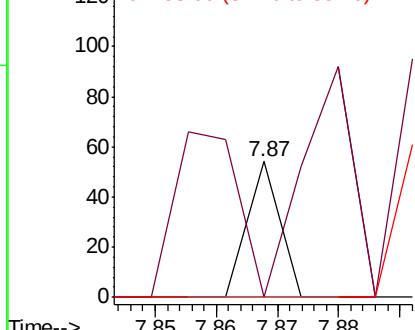
#49
1,4-Dioxane
Concen: 0.448 ug/l
RT: 7.87 min Scan# 1145
Delta R.T. 0.13 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 235.0 29.4 44.0#
58 0.0 57.5 86.3#

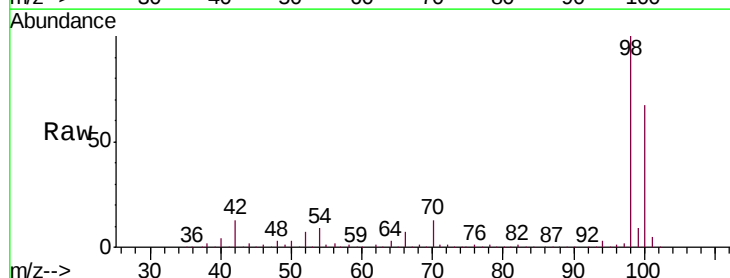


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

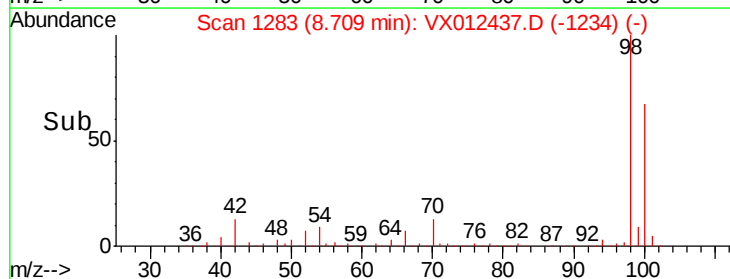
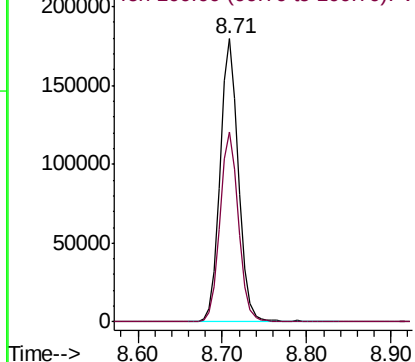


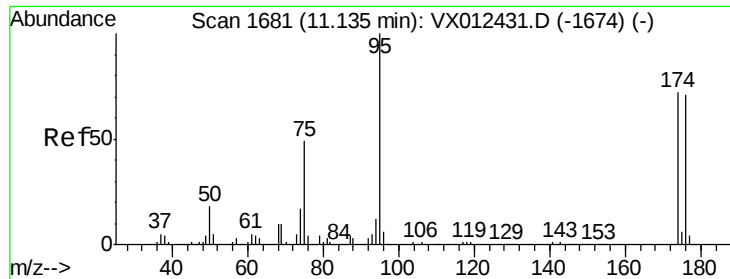
#50
Toluene-d8
Concen: 52.246 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

Tgt Ion: 98 Resp: 271723
Ion Ratio Lower Upper
98 100
100 67.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

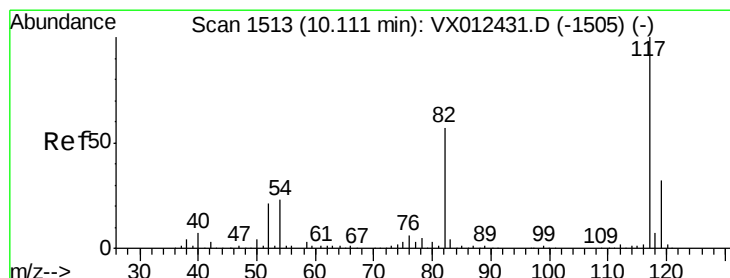
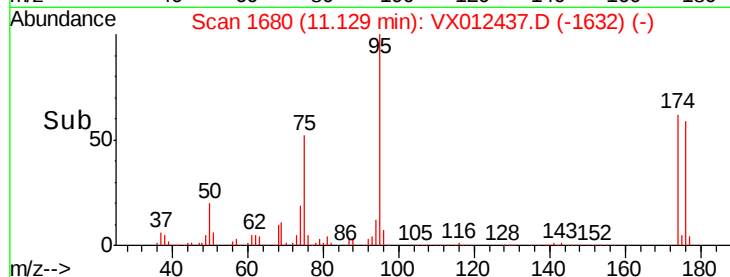
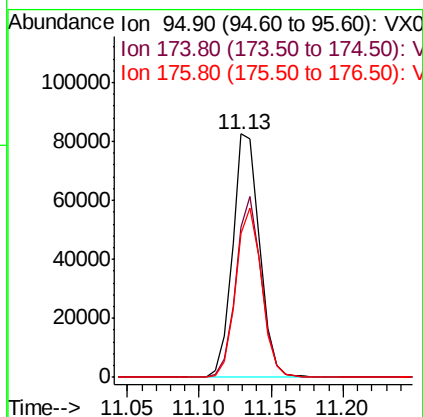
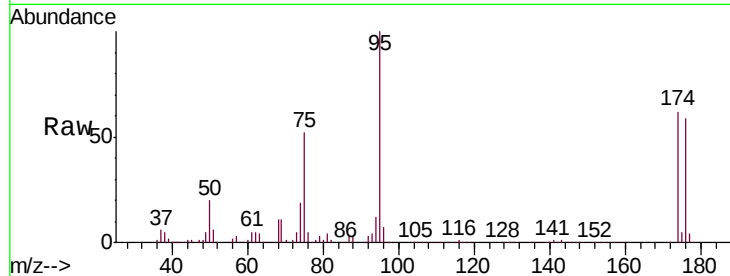




#62
4-Bromofluorobenzene
Concen: 50.265 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

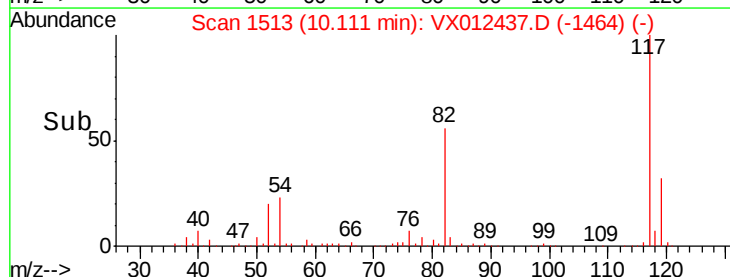
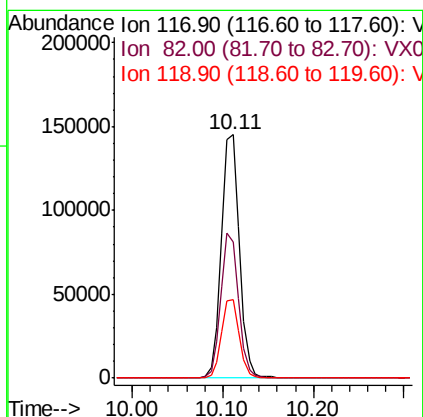
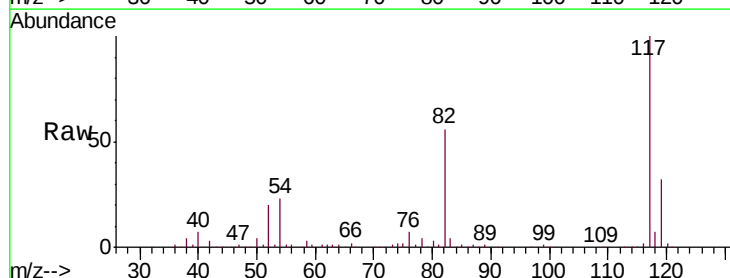
Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

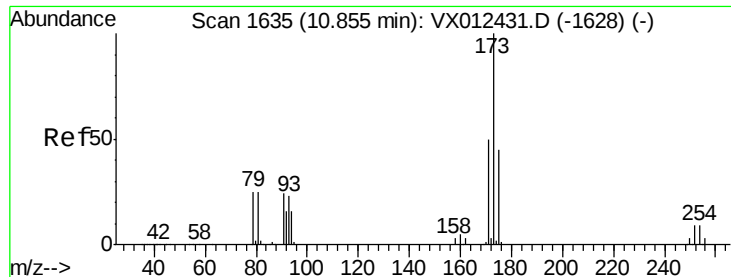
Tgt Ion: 95 Resp: 108544
Ion Ratio Lower Upper
95 100
174 69.7 0.0 140.0
176 66.4 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012437.D
Acq: 17 Sep 2019 17:21

Tgt Ion: 117 Resp: 202692
Ion Ratio Lower Upper
117 100
82 56.1 45.9 68.9
119 32.2 25.3 37.9





#71

Bromoform

Concen: 2.998 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBL01

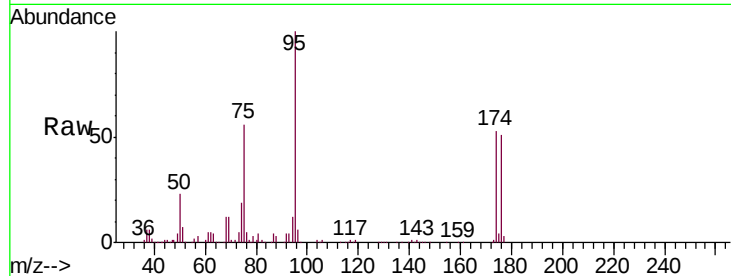
Tgt Ion:173 Resp: 163

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

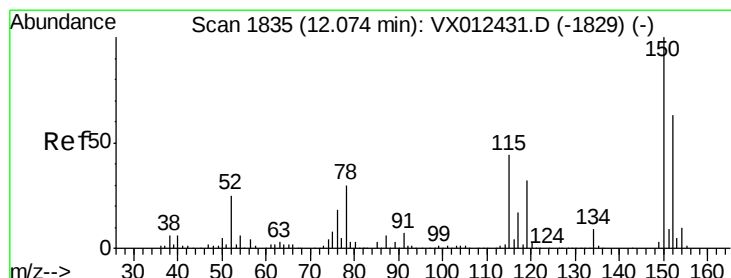
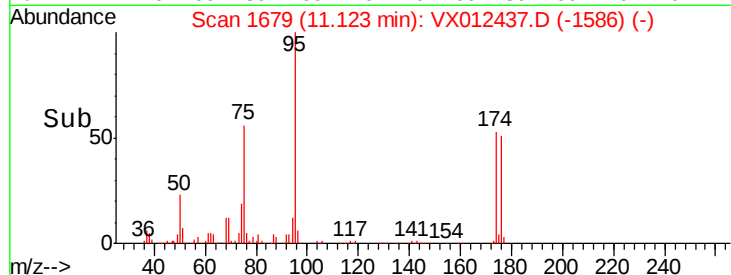
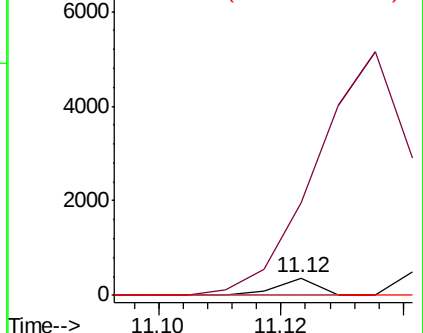
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

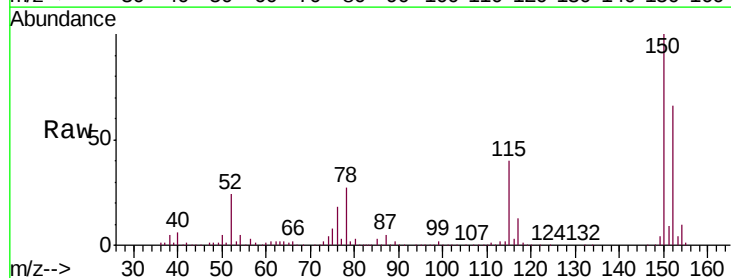
Tgt Ion:152 Resp: 93612

Ion Ratio Lower Upper

152 100

115 62.9 44.1 132.3

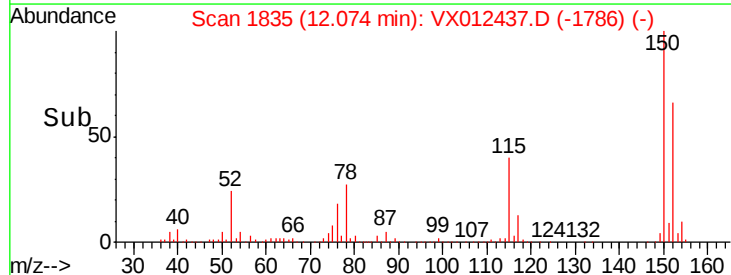
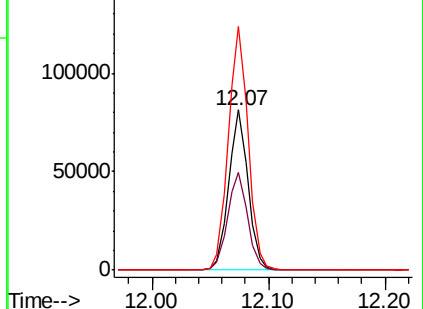
150 155.8 0.0 343.8

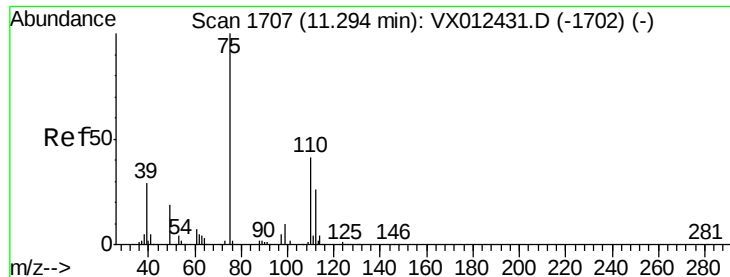


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.815 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

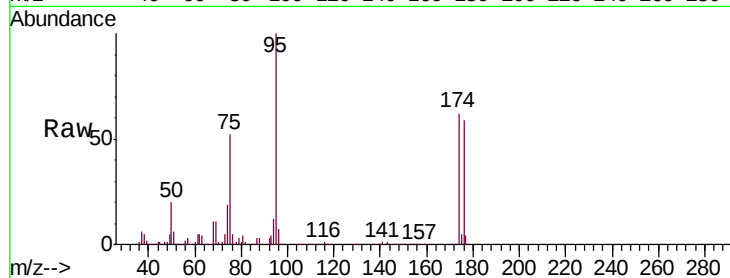
VX0917WBL01

Tgt Ion: 75 Resp: 55512

Ion Ratio Lower Upper

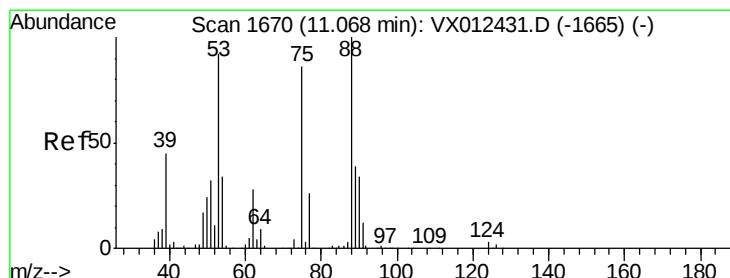
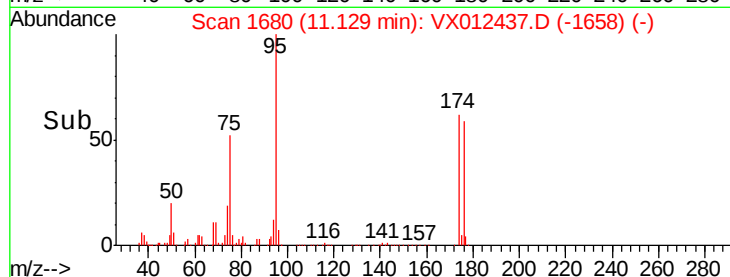
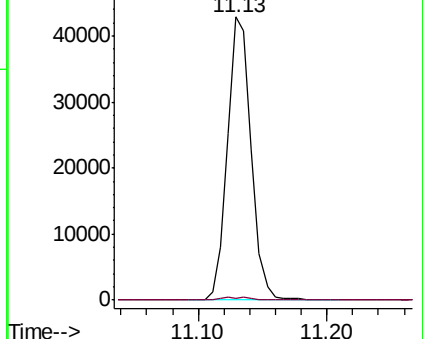
75 100

77 1.2 19.7 59.0#



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: 69.581 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

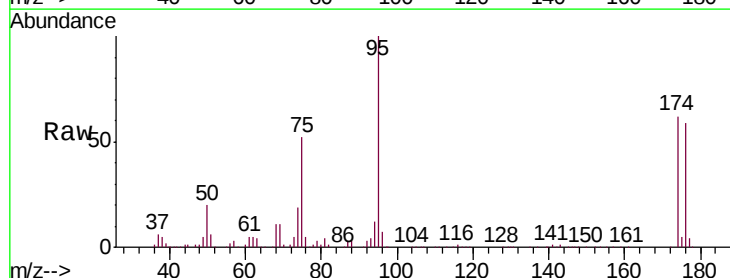
Tgt Ion: 75 Resp: 55512

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

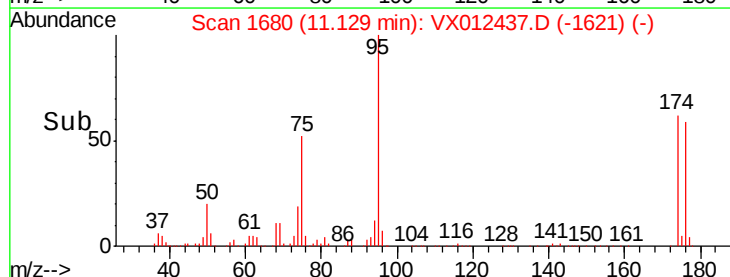
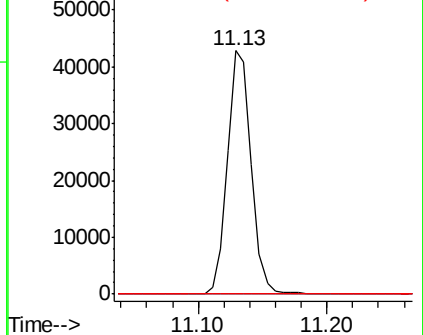
89 0.0 36.3 54.5#

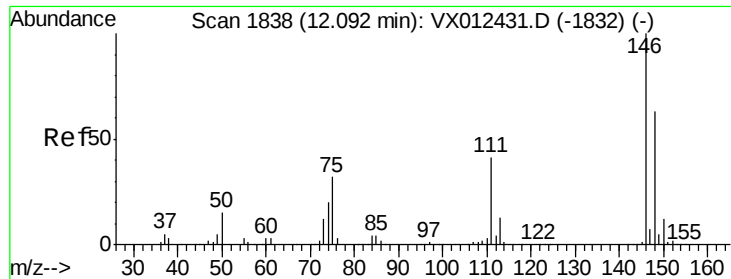


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#88

1,4-Dichlorobenzene

Concen: 0.205 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBL01

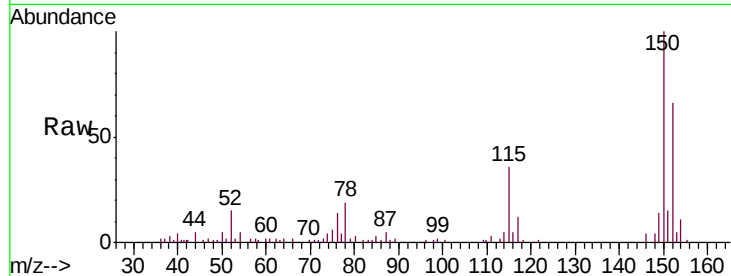
Tgt Ion:146 Resp: 568

Ion Ratio Lower Upper

146 100

111 273.2 21.1 63.3#

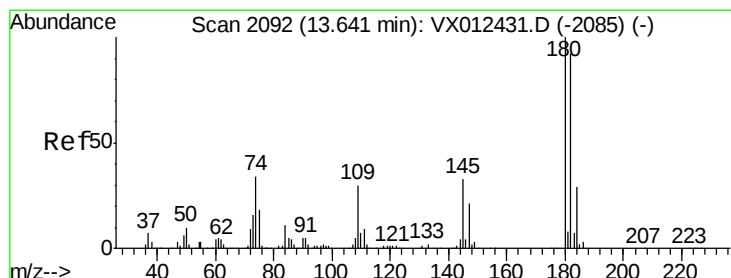
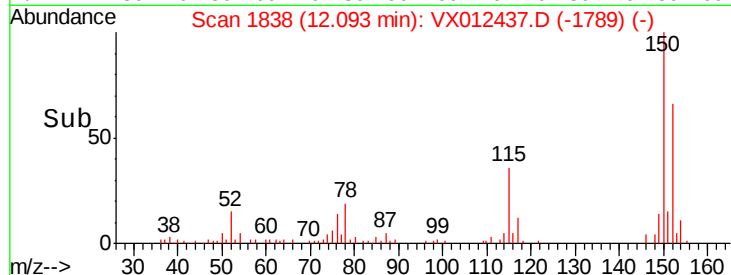
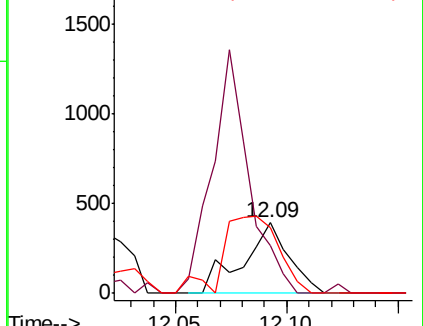
148 132.4 32.1 96.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012437.D

Acq: 17 Sep 2019 17:21

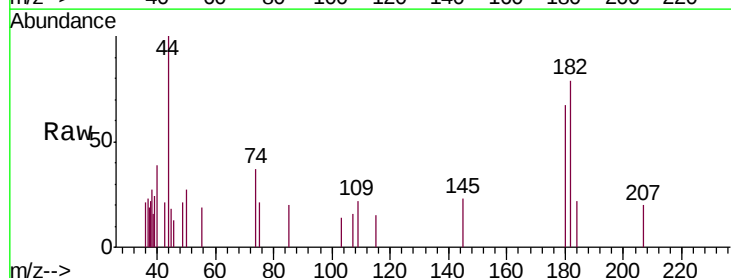
Tgt Ion:180 Resp: 394

Ion Ratio Lower Upper

180 100

182 91.6 47.0 141.0

145 40.9 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

