

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102819\NOT REVIEWED DATA\
 Data File : VX013254.D
 Acq On : 28 Oct 2019 17:44
 Operator : JC/SP
 Sample : K5575-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-3

Quant Time: Oct 29 19:23:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	69403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	102038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	101440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	64990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	80953	55.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.54%		
35) Dibromofluoromethane	5.48	113	60612	53.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.54%		
50) Toluene-d8	8.71	98	214447	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.72%		
62) 4-Bromofluorobenzene	11.14	95	77288	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.62%		

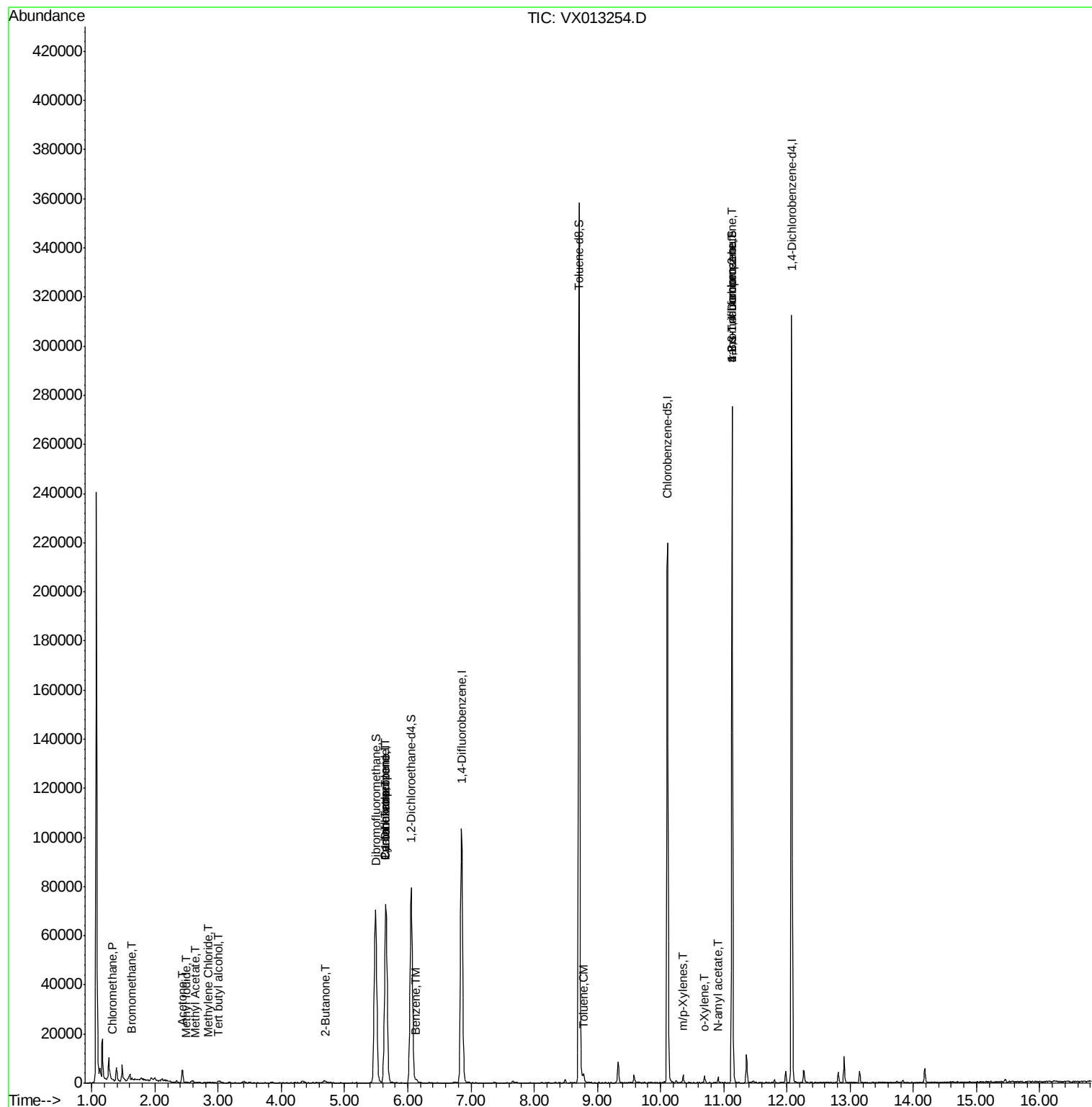
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	150	1.105	ug/l #	40
5) Bromomethane	1.64	94	240	0.359	ug/l #	80
6) Chloroethane	1.70	64	183	Below Cal	#	43
10) Methyl Iodide	2.50	142	132	3.619	ug/l #	40
11) Tert butyl alcohol	3.00	59	891	1.774	ug/l #	72
16) Acetone	2.44	43	5593	8.178	ug/l	99
18) Methyl Acetate	2.64	43	24	0.985	ug/l #	49
20) Methylene Chloride	2.84	84	115	0.378	ug/l #	71
25) 2-Butanone	4.69	43	955	1.041	ug/l #	45
31) Cyclohexane	5.65	56	1566	0.834	ug/l #	21
36) 1,1-Dichloropropene	5.65	75	5497	3.146	ug/l #	50
38) Carbon Tetrachloride	5.65	117	7176	3.805	ug/l #	14
40) Benzene	6.13	78	1379	0.269	ug/l	98
52) Toluene	8.78	92	1305	0.384	ug/l	88
64) Tetrachloroethene	9.32	164	22	Below Cal	#	1
68) m/p-Xylenes	10.35	106	870	0.362	ug/l	97
69) o-Xylene	10.69	106	810	0.351	ug/l	74
74) N-amyl acetate	10.90	43	450	0.208	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	39063	24.939	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	39063	68.530	ug/l #	10

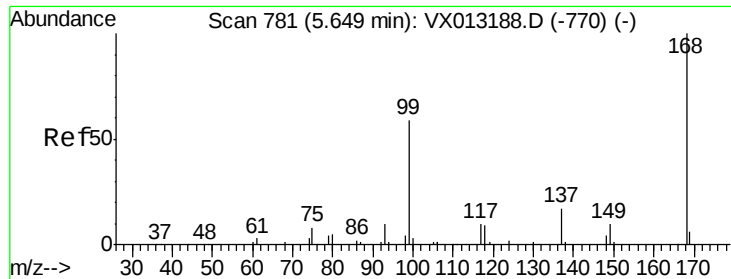
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

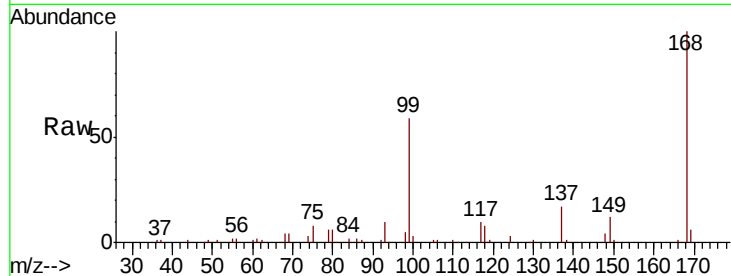
W-3

Tot Ion:168 Resp: 69403

Ion Ratio Lower Upper

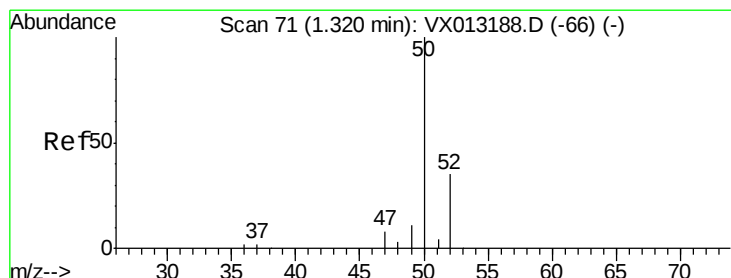
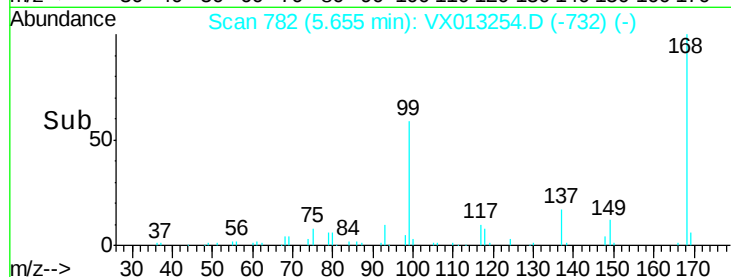
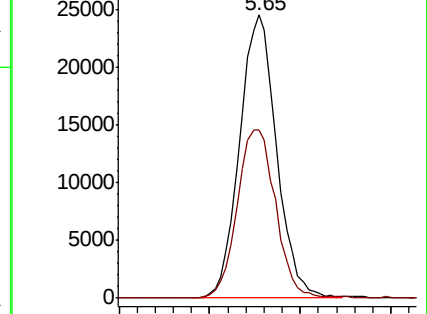
168 100

99 59.4 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.105 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX013254.D

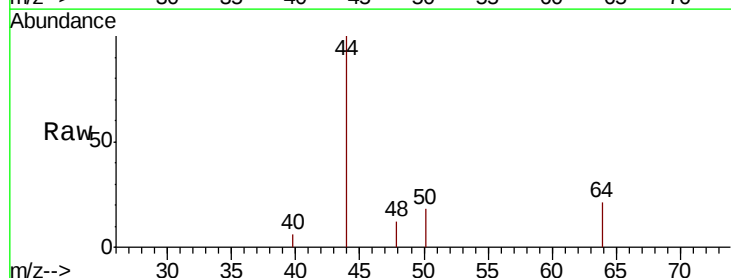
Acq: 28 Oct 2019 17:44

Tgt Ion: 50 Resp: 150

Ion Ratio Lower Upper

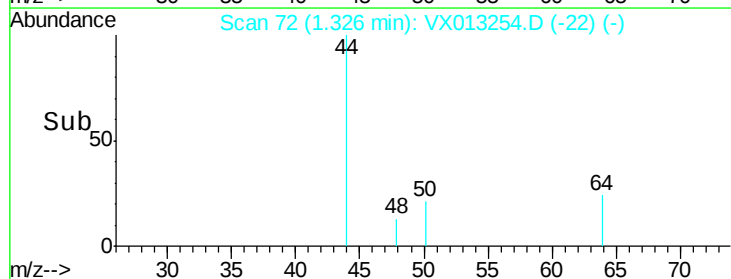
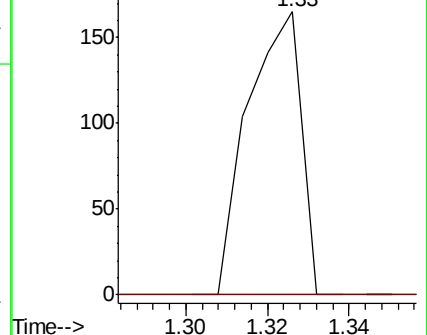
50 100

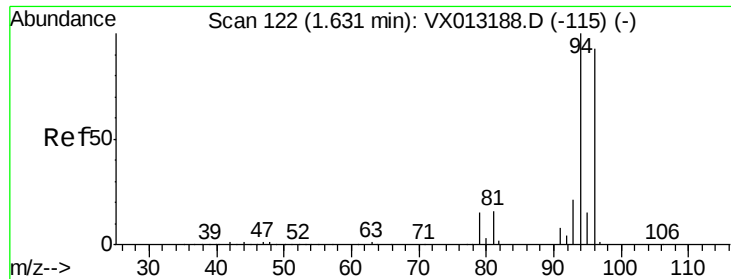
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.359 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

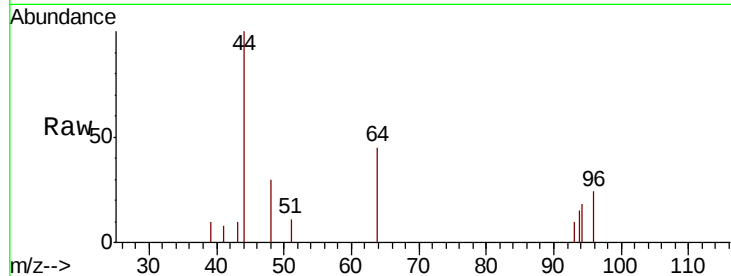
W-3

Tot Ion: 94 Resp: 240

Ion Ratio Lower Upper

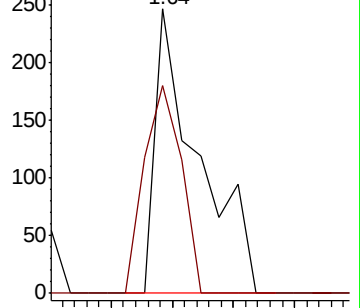
94 100

96 73.2 74.2 111.2#

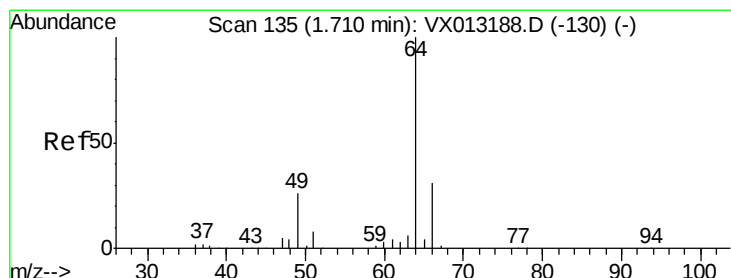
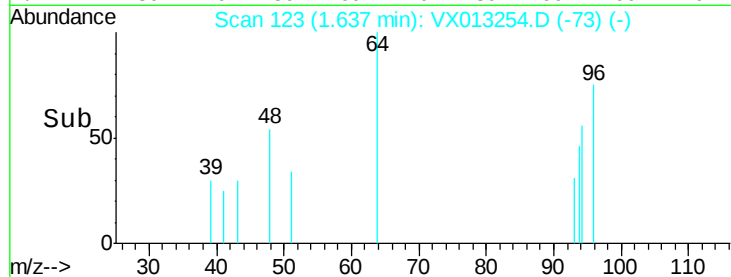


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013254.D

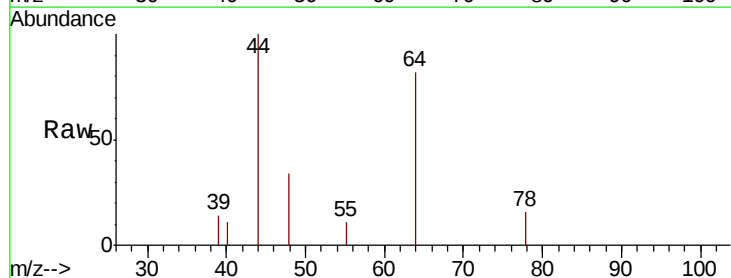
Acq: 28 Oct 2019 17:44

Tgt Ion: 64 Resp: 183

Ion Ratio Lower Upper

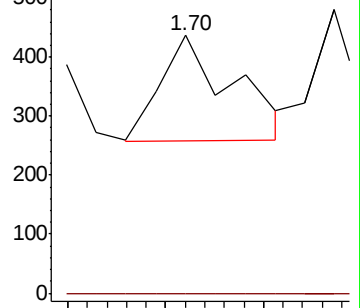
64 100

66 0.0 25.0 37.6#

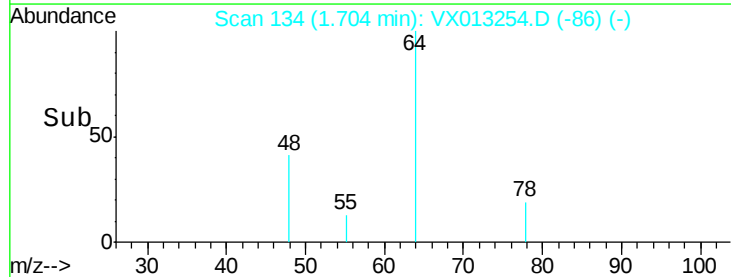


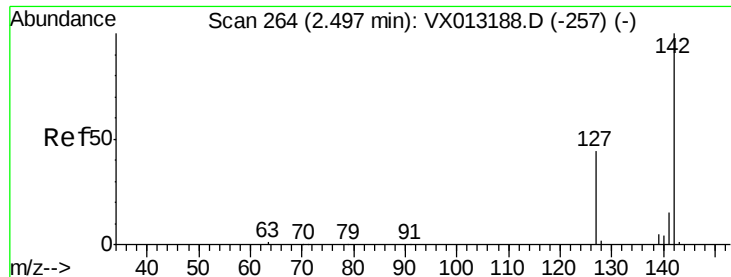
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

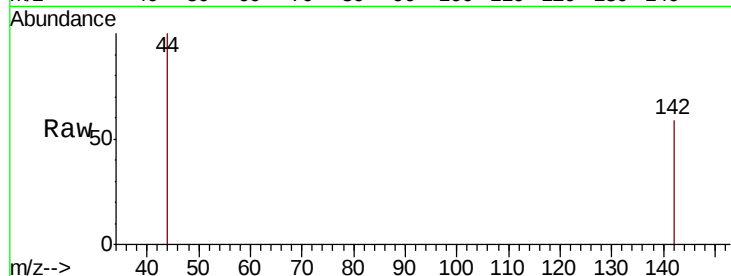




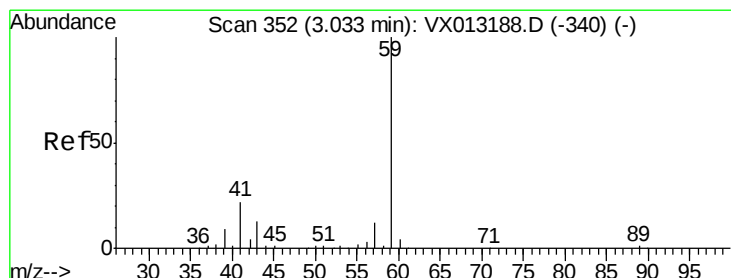
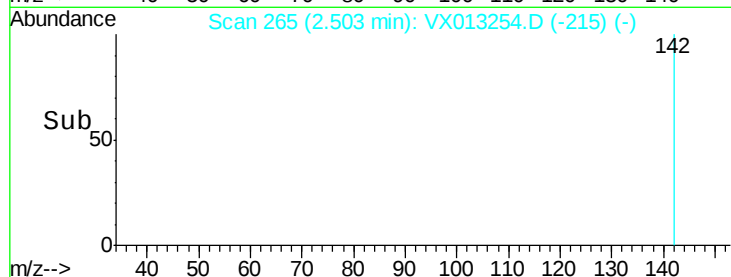
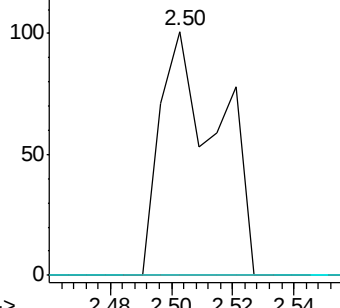
#10
Methvl Iodide
Concen: 3.619 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

Instrument :
MSVOA_X
ClientSampled :
W-3

Tot Ion:142 Resp: 132
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.6 17.4#

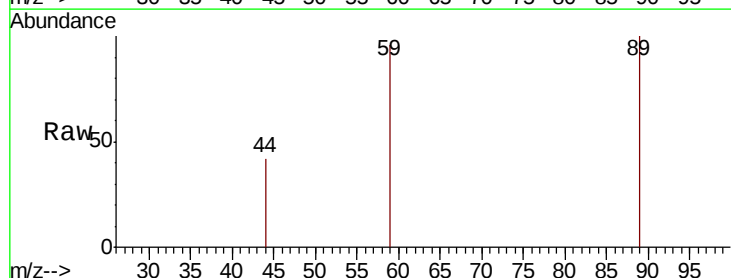


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

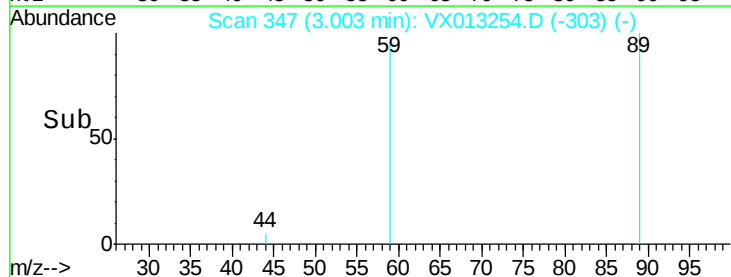
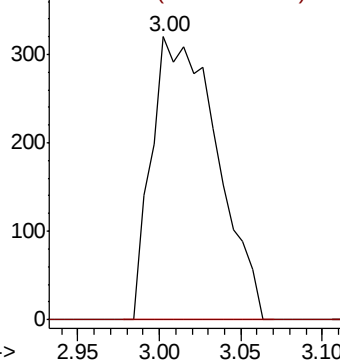


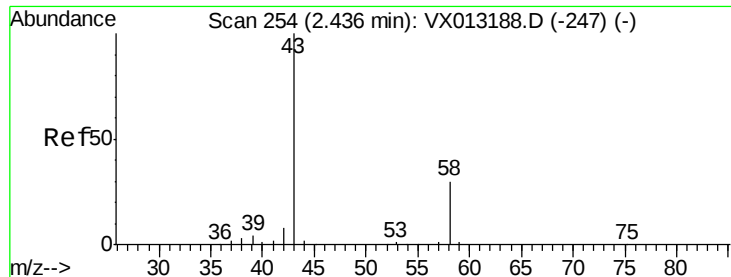
#11
Tert butyl alcohol
Concen: 1.774 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

Tgt Ion: 59 Resp: 891
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



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





#16

Acetone

Concen: 8.178 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

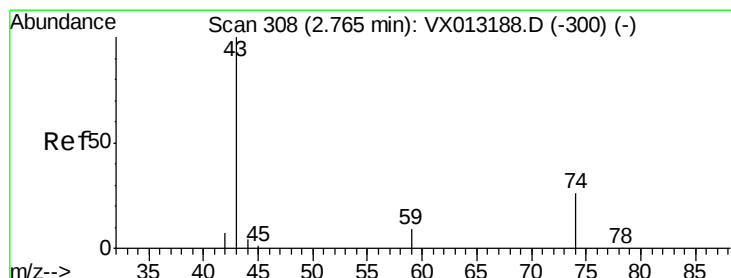
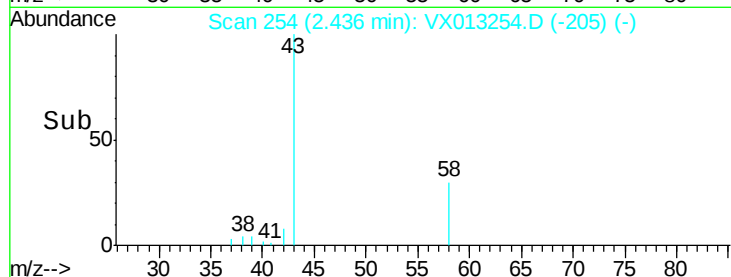
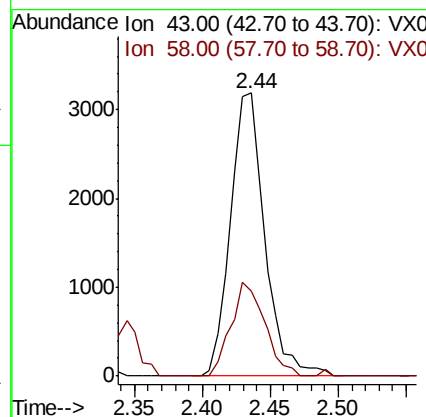
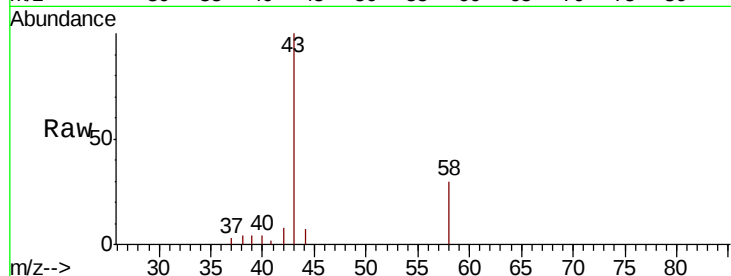
W-3

Tot Ion: 43 Resp: 5593

Ion Ratio Lower Upper

43 100

58 30.1 23.8 35.6



#18

Methyl Acetate

Concen: 0.985 ug/l

RT: 2.64 min Scan# 287

Delta R.T. -0.13 min

Lab File: VX013254.D

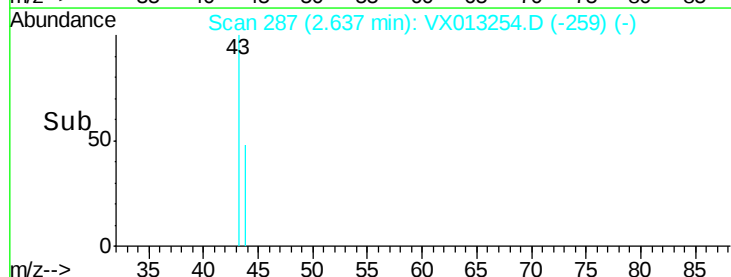
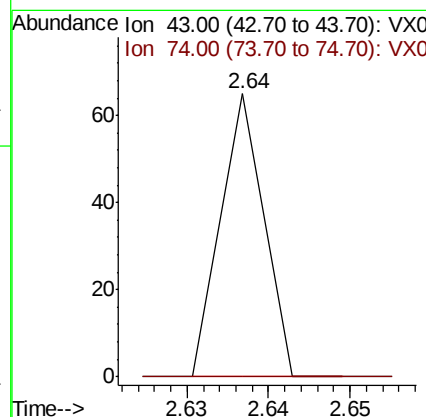
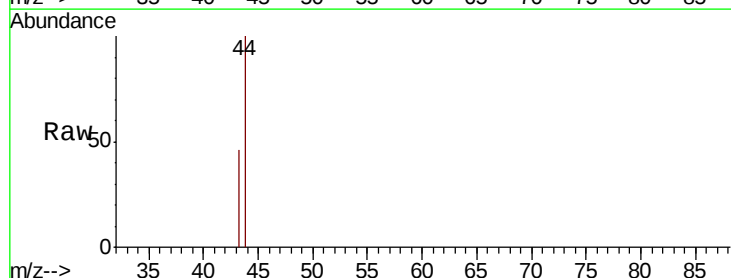
Acq: 28 Oct 2019 17:44

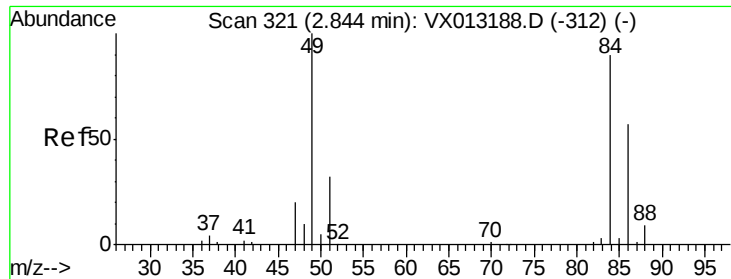
Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

74 0.0 20.9 31.3#

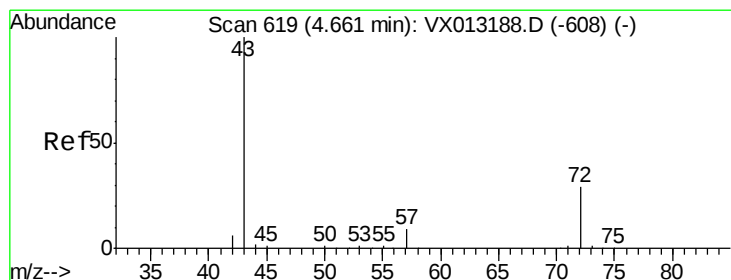
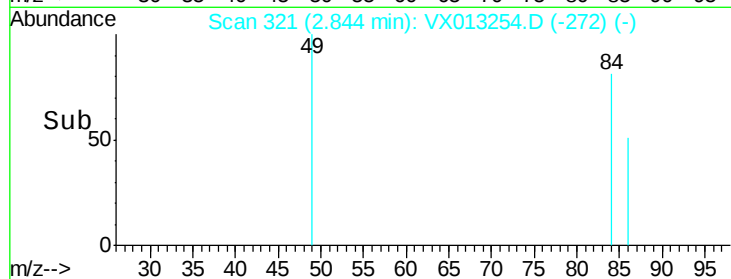
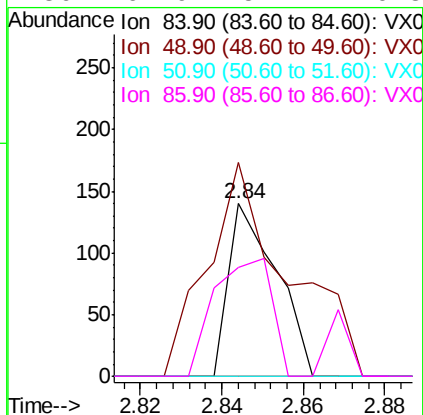
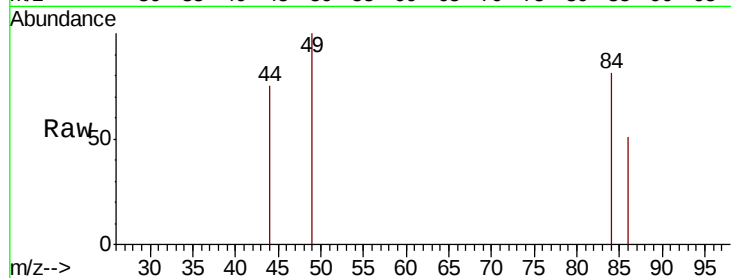




#20
Methvlene Chloride
Concen: 0.378 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

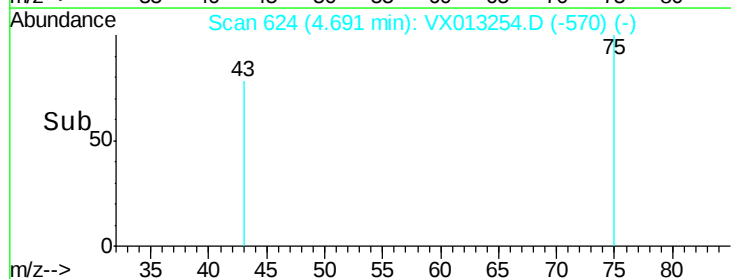
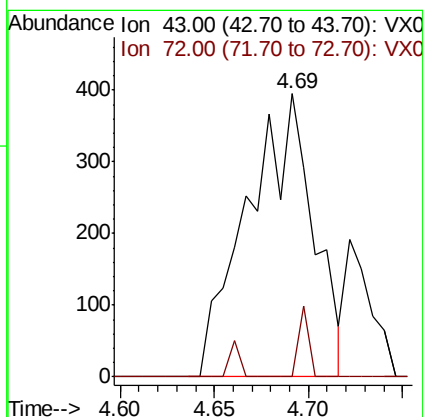
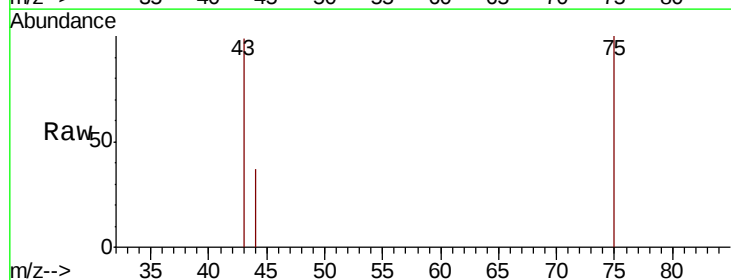
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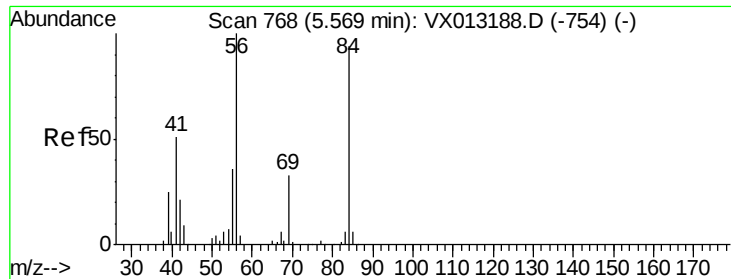
Tot Ion: 84 Resp: 115
Ion Ratio Lower Upper
84 100
49 75.7 89.2 133.8#
51 0.0 28.8 43.2#
86 62.9 51.2 76.8



#25
2-Butanone
Concen: 1.041 ug/l
RT: 4.69 min Scan# 624
Delta R.T. 0.03 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.2#

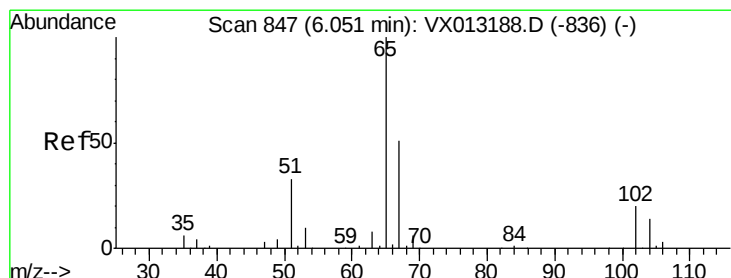
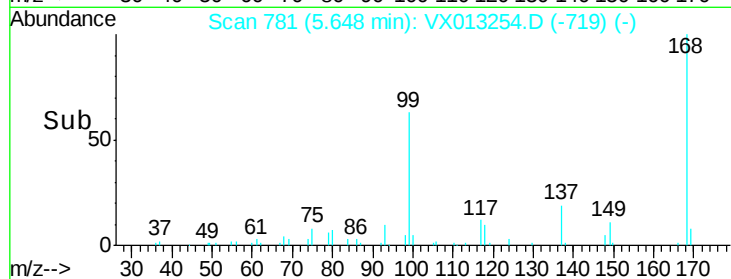
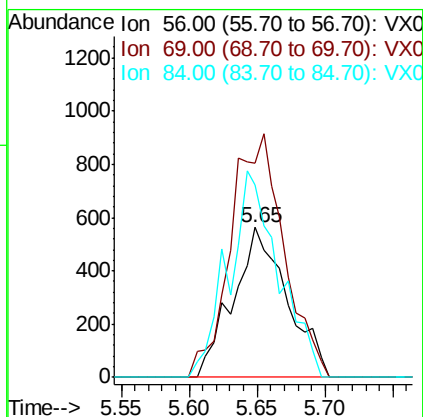
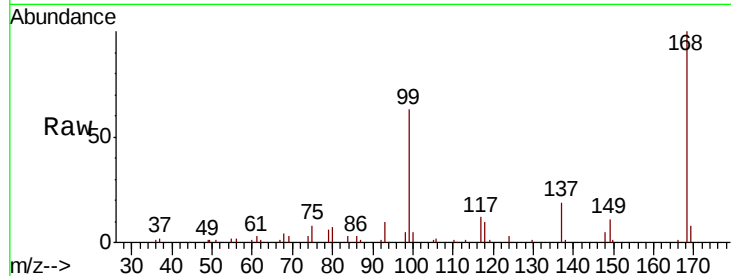




#31
Cyclohexane
Concen: 0.834 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

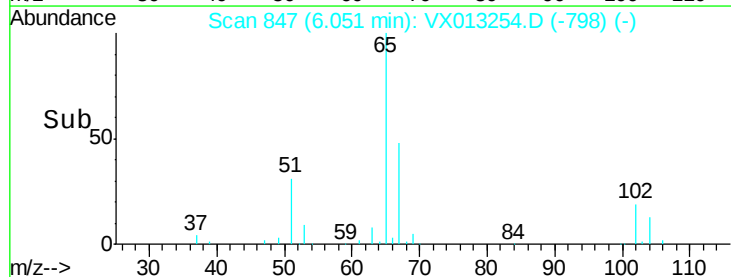
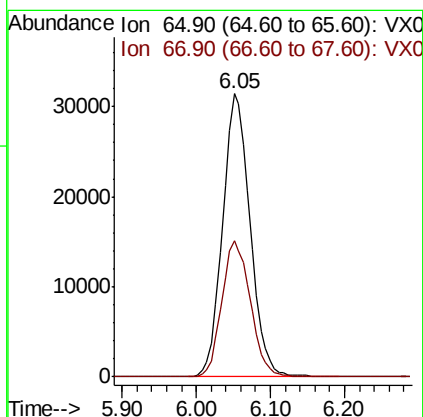
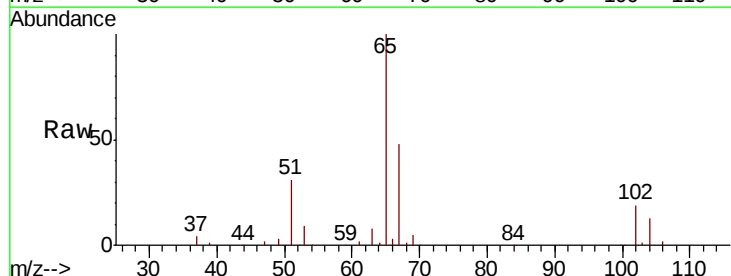
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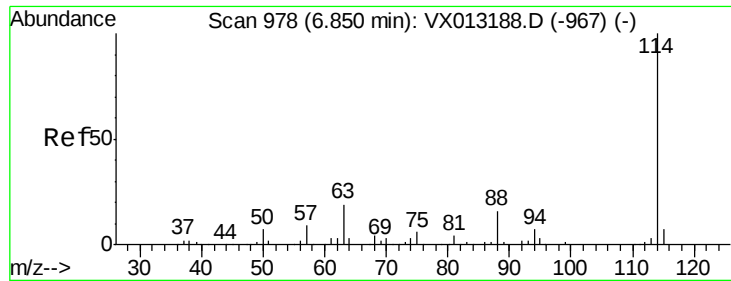
Tot Ion: 56 Resp: 1566
Ion Ratio Lower Upper
56 100
69 142.9 26.3 39.5#
84 128.3 73.8 110.6#



#33
1,2-Dichloroethane-d4
Concen: 55.768 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

Tgt Ion: 65 Resp: 80953
Ion Ratio Lower Upper
65 100
67 49.6 0.0 102.6

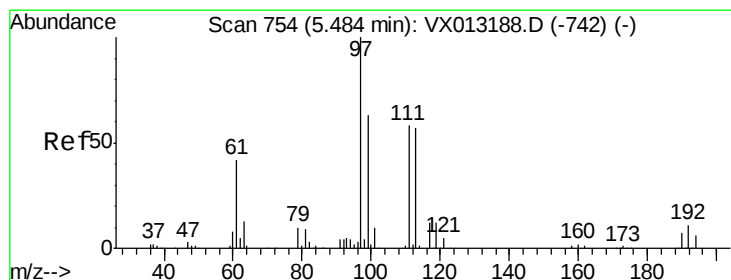
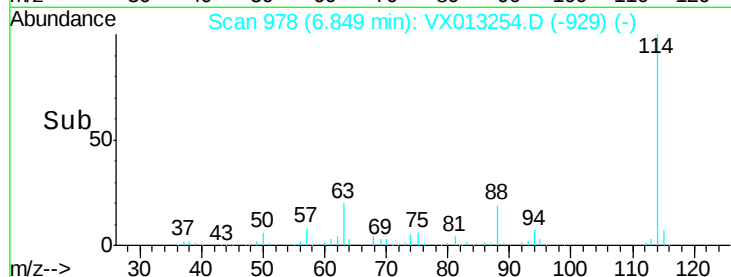
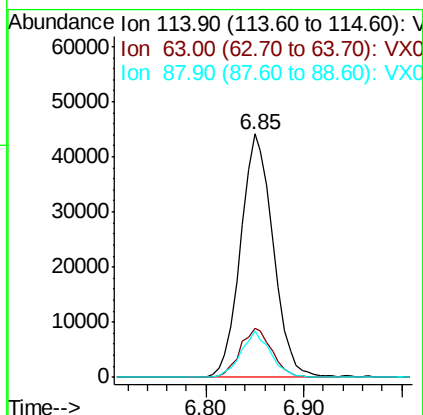
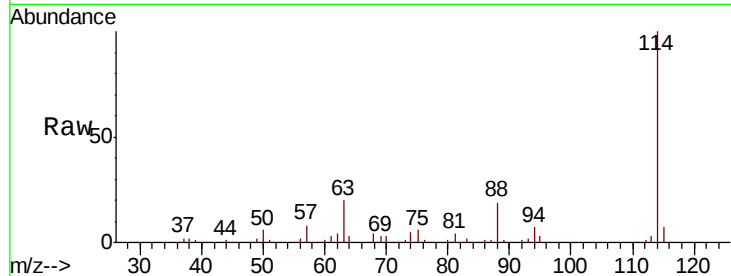




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013254.D
 Acq: 28 Oct 2019 17:44

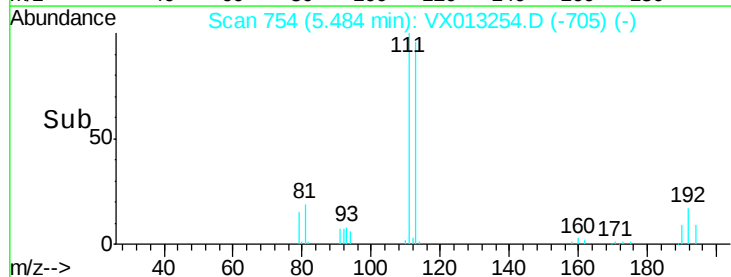
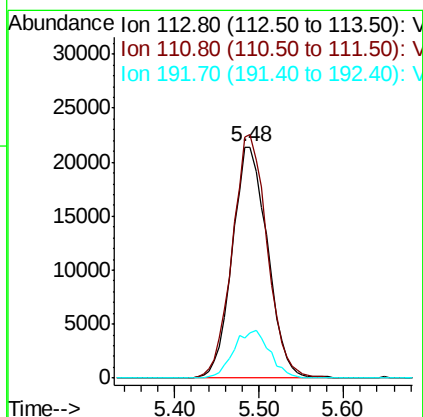
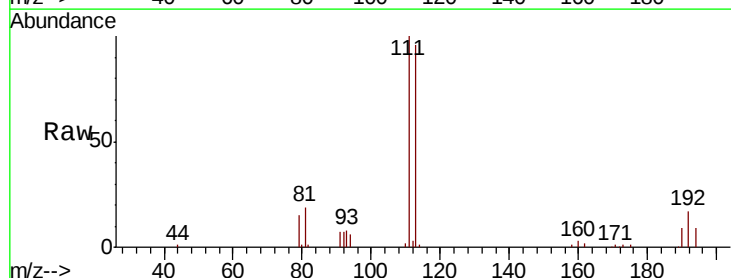
Instrument :
 MSVOA_X
 ClientSampleId :
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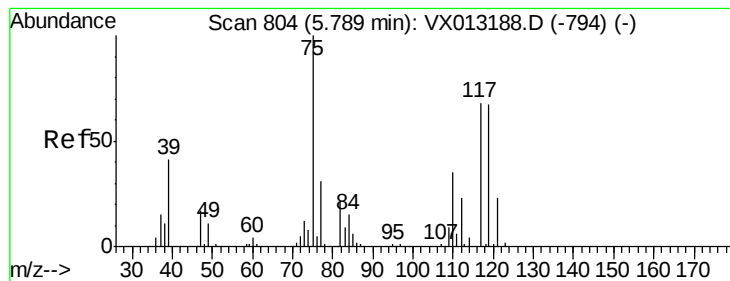
Tot Ion:114 Resp: 102038
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 19.1 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 53.268 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013254.D
 Acq: 28 Oct 2019 17:44

Tgt Ion:113 Resp: 60612
 Ion Ratio Lower Upper
 113 100
 111 104.2 80.3 120.5
 192 21.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 3.146 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

W-3

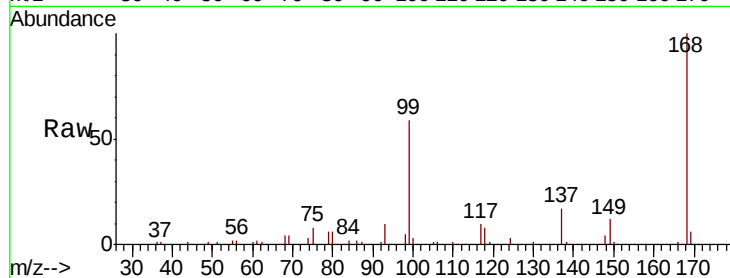
Tot Ion: 75 Resp: 5497

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

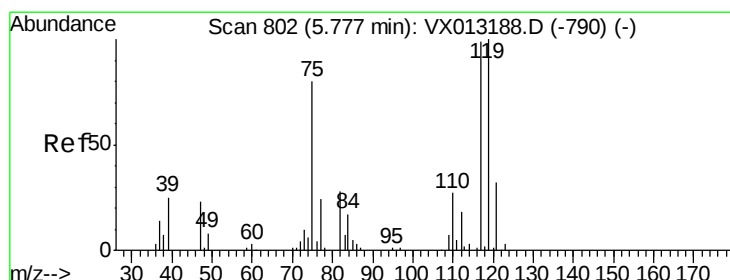
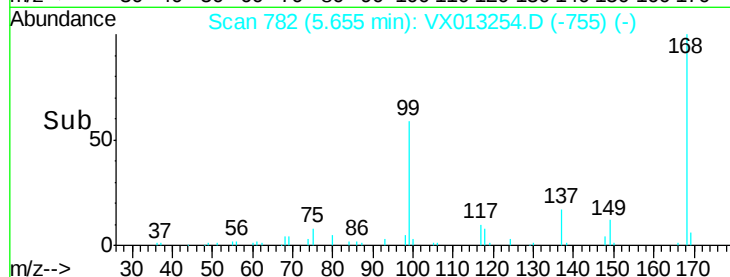
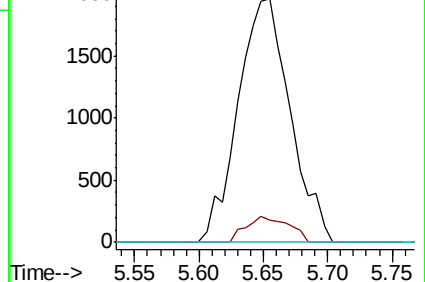
77 0.0 24.7 37.1#



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: 3.805 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

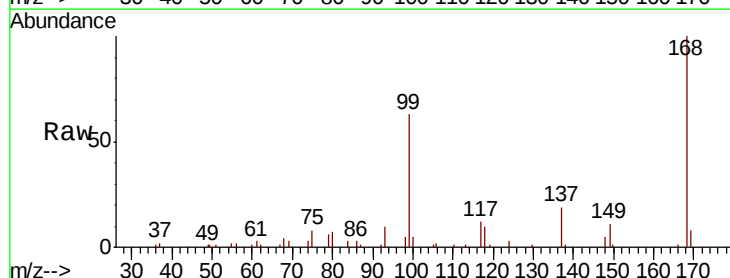
Tgt Ion: 117 Resp: 7176

Ion Ratio Lower Upper

117 100

119 5.4 80.1 120.1#

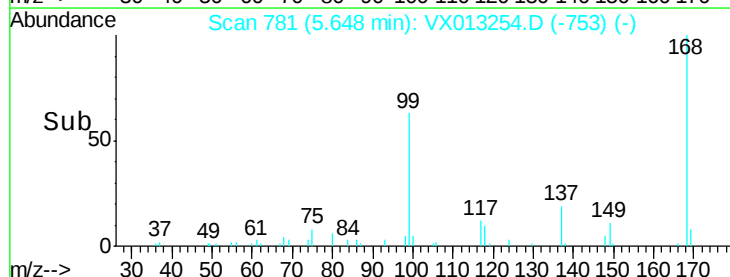
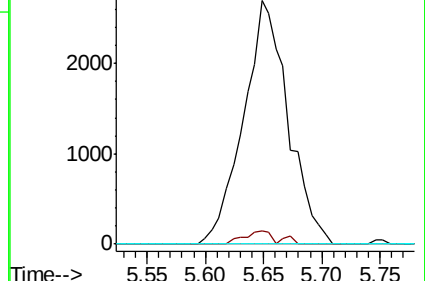
121 0.0 25.5 38.3#

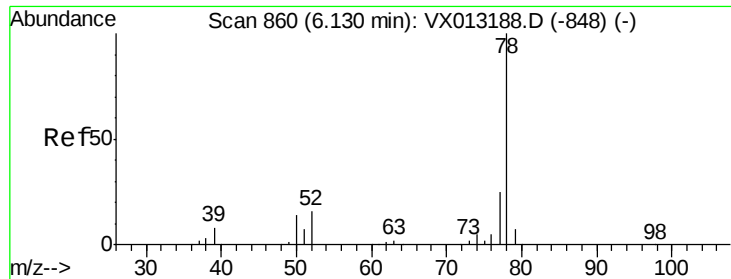


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.269 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.00 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

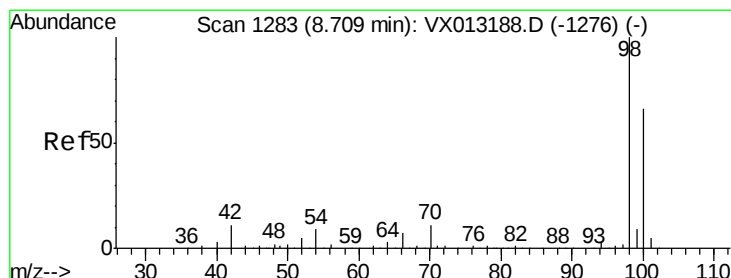
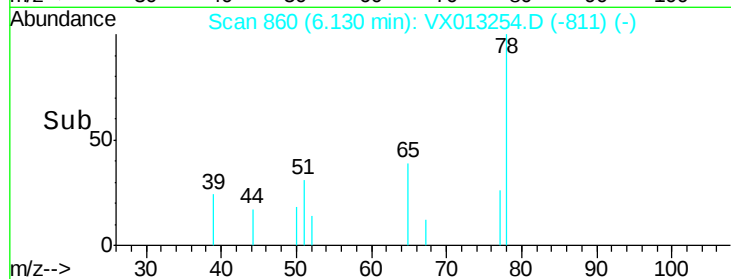
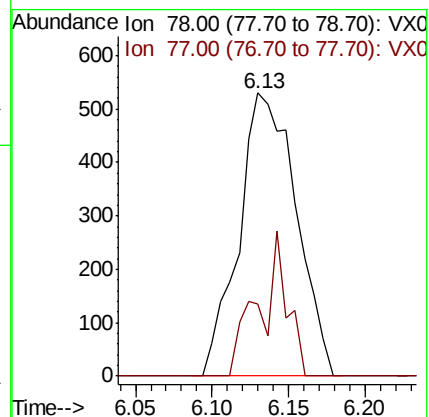
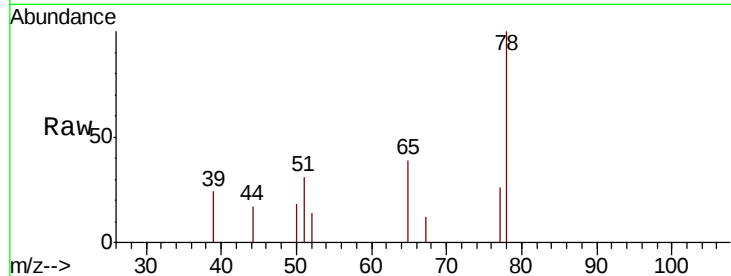
W-3

Tot Ion: 78 Resp: 1379

Ion Ratio Lower Upper

78 100

77 25.7 19.6 29.4



#50

Toluene-d8

Concen: 50.855 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013254.D

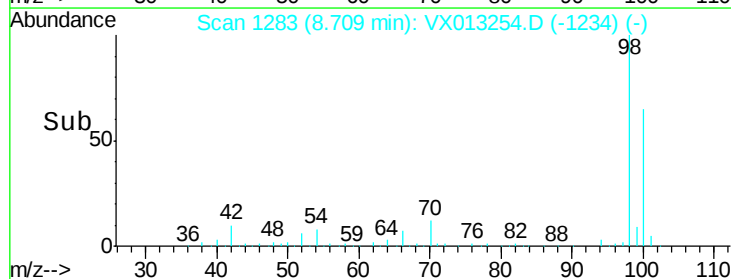
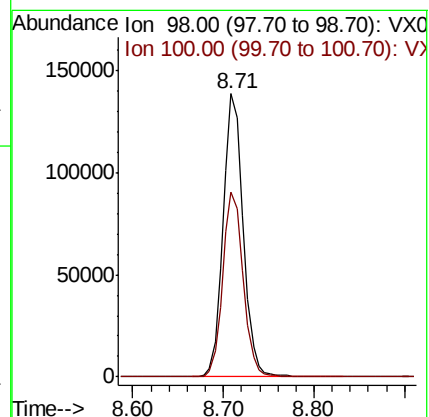
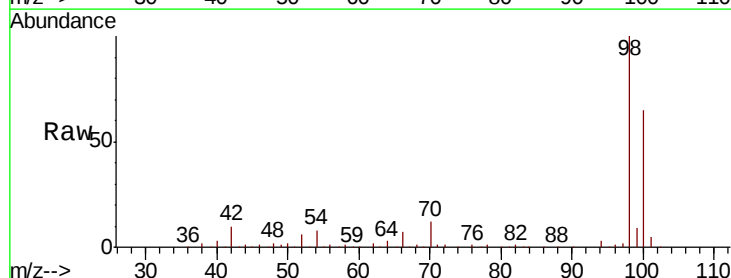
Acq: 28 Oct 2019 17:44

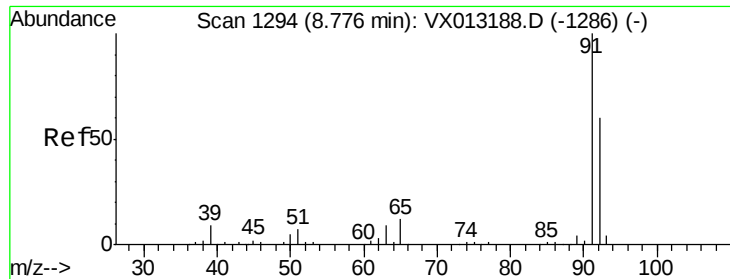
Tgt Ion: 98 Resp: 214447

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9





#52

Toluene

Concen: 0.384 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

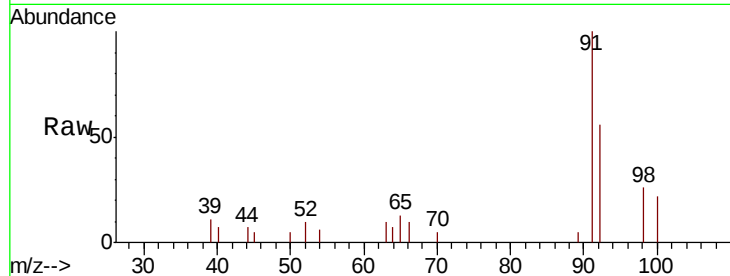
W-3

Tot Ion: 92 Resp: 1305

Ion Ratio Lower Upper

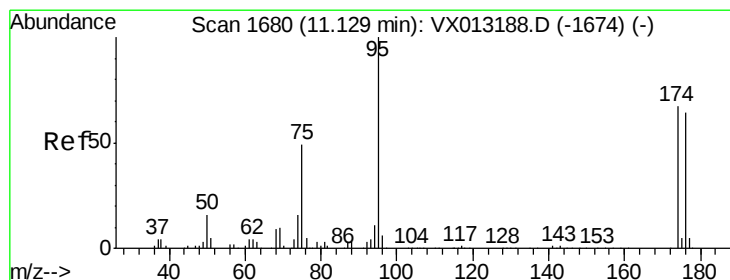
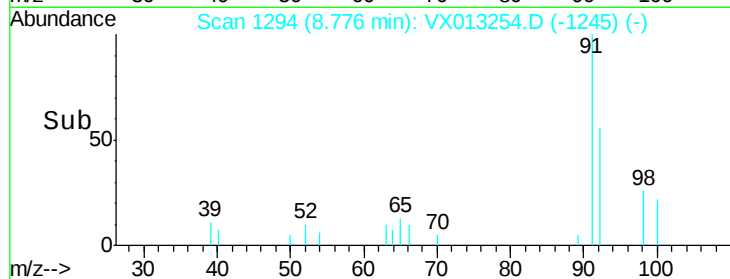
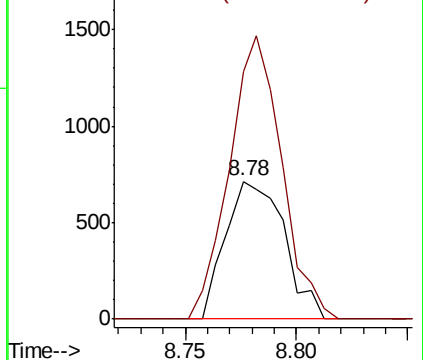
92 100

91 184.1 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.307 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

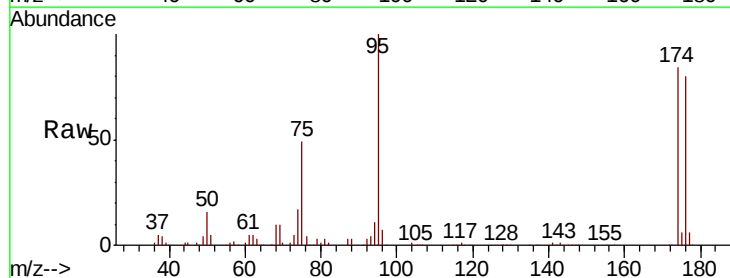
Tgt Ion: 95 Resp: 77288

Ion Ratio Lower Upper

95 100

174 79.6 0.0 152.4

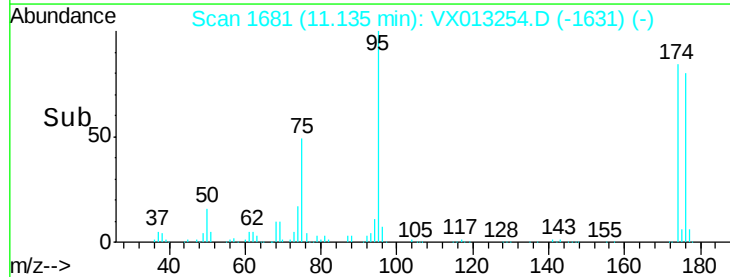
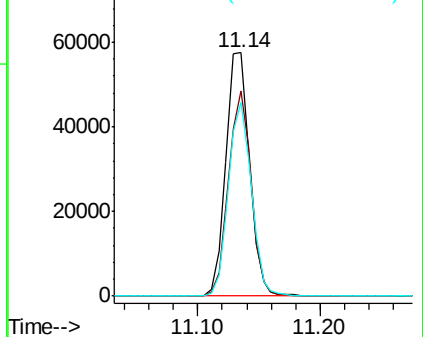
176 76.6 0.0 146.0

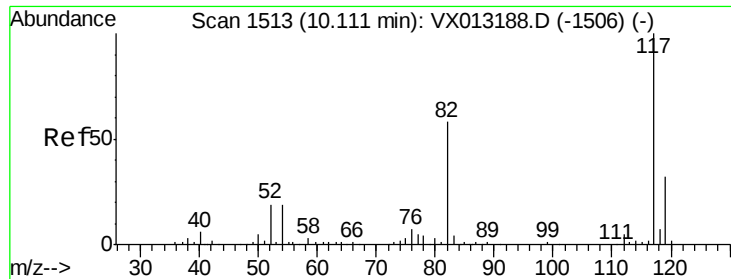


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

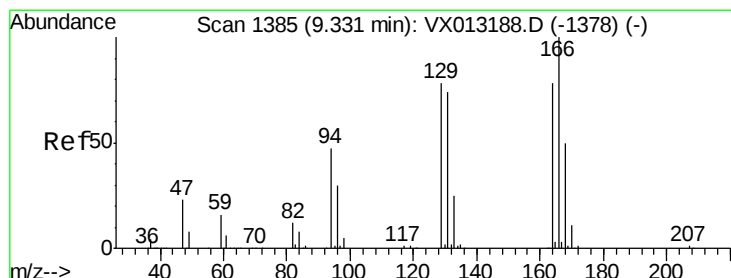
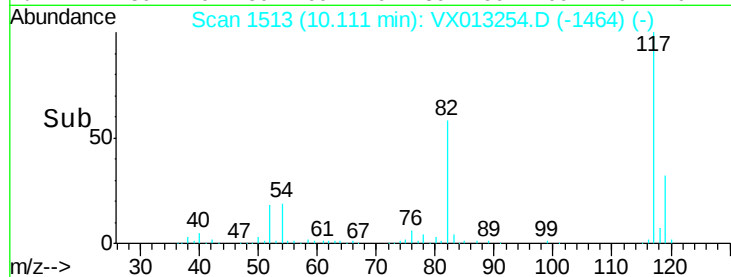
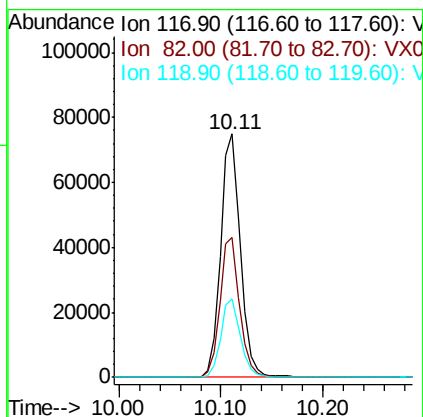
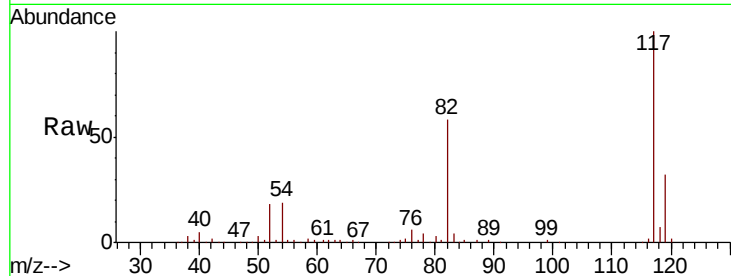




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

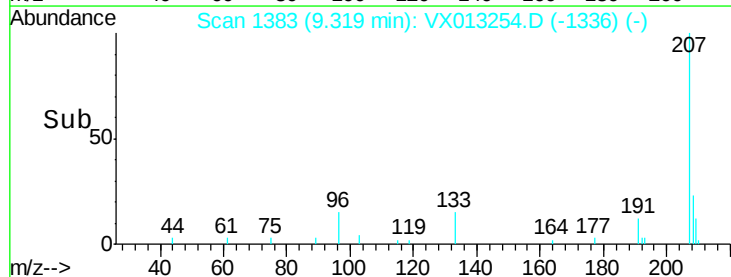
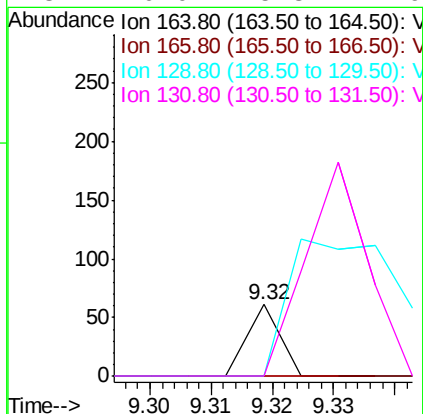
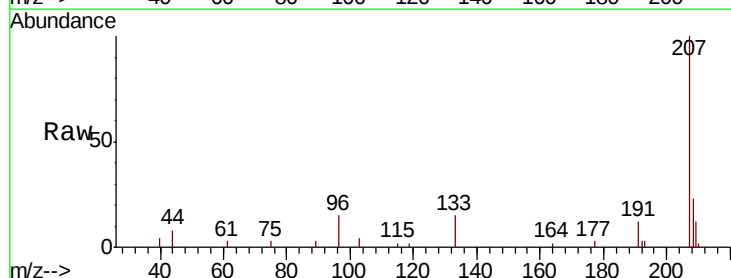
Instrument :
MSVOA_X
ClientSampleId :
W-3

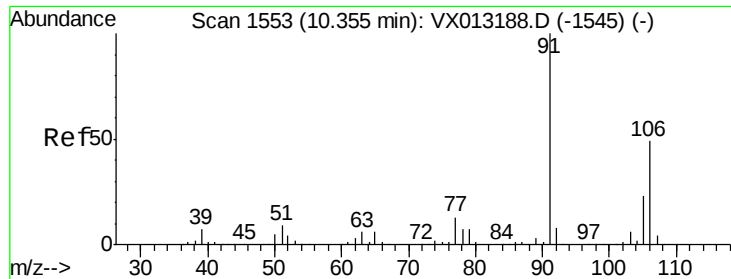
Tot Ion:117 Resp: 101440
Ion Ratio Lower Upper
117 100
82 57.7 46.5 69.7
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.32 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

Tgt Ion:164 Resp: 22
Ion Ratio Lower Upper
164 100
166 0.0 102.2 153.4#
129 0.0 79.8 119.8#
131 0.0 75.3 112.9#

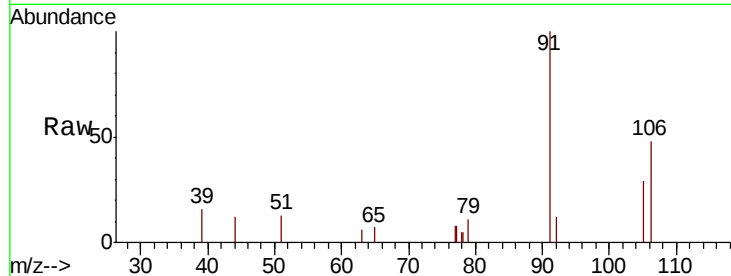




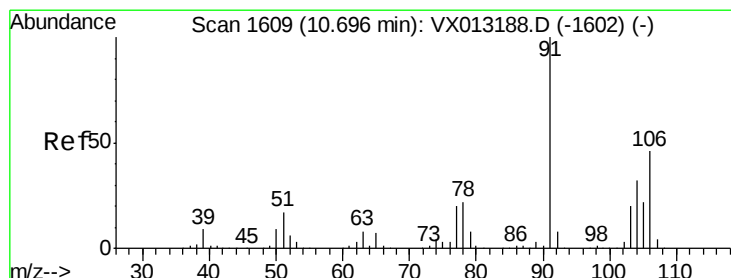
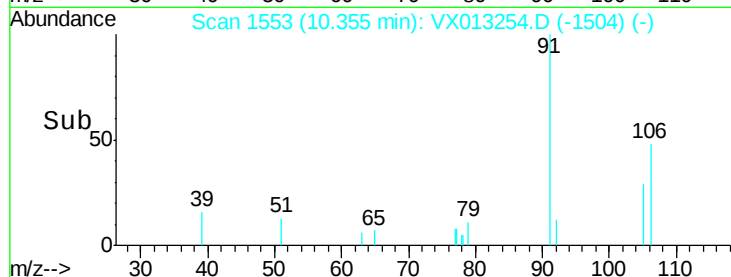
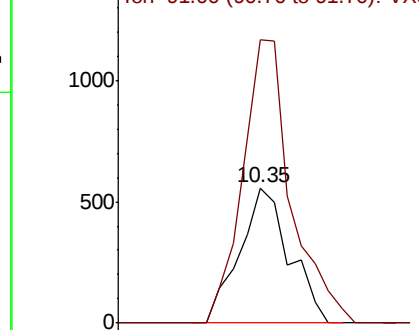
#68
m/p-Xylenes
Concen: 0.362 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

Instrument :
MSVOA_X
ClientSampled :
W-3

Tot Ion:106 Resp: 870
Ion Ratio Lower Upper
106 100
91 204.0 166.8 250.2

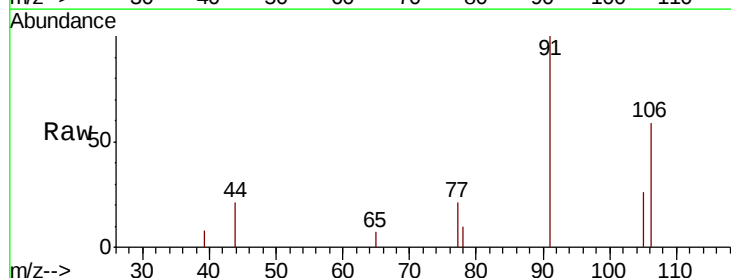


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

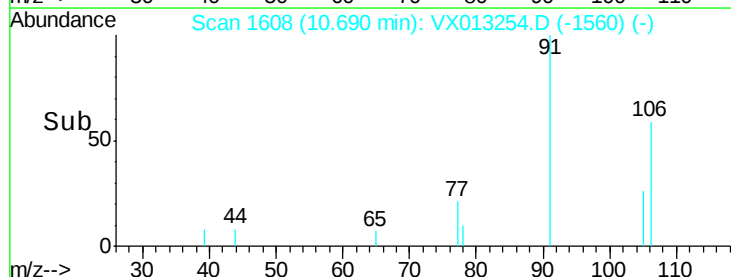
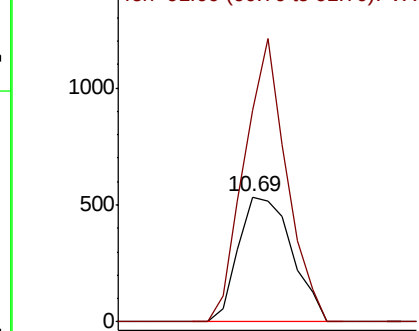


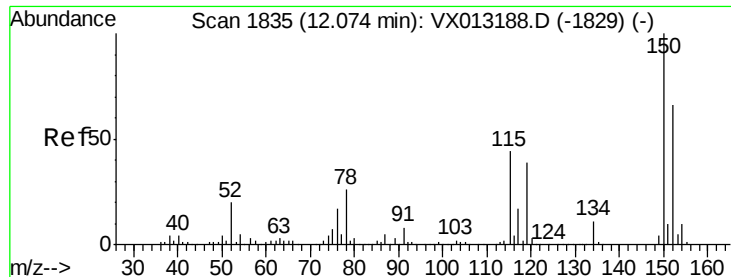
#69
o-Xylene
Concen: 0.351 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013254.D
Acq: 28 Oct 2019 17:44

Tgt Ion:106 Resp: 810
Ion Ratio Lower Upper
106 100
91 180.1 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

W-3

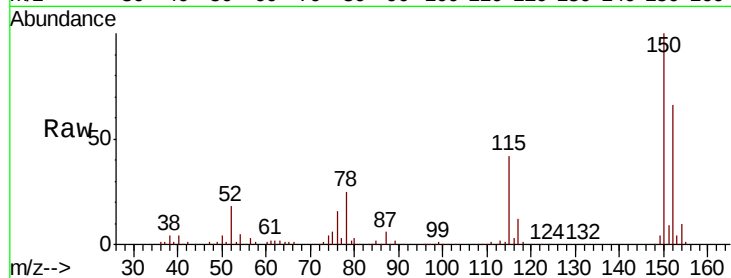
Tot Ion:152 Resp: 64990

Ion Ratio Lower Upper

152 100

115 62.2 46.6 139.8

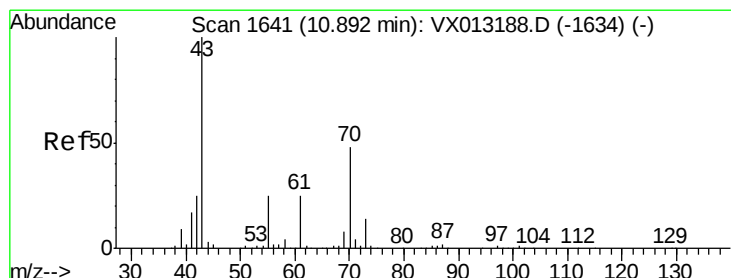
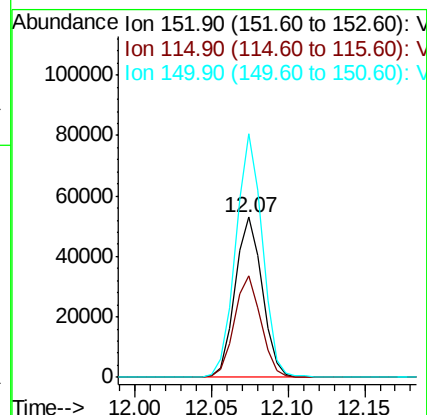
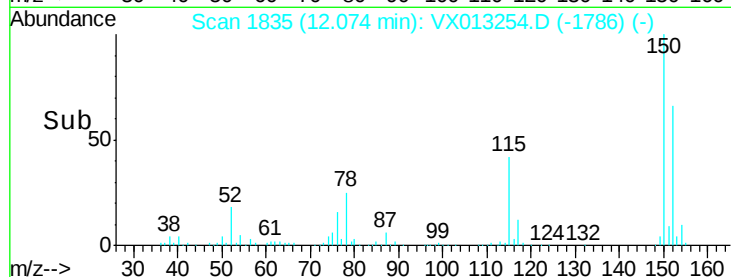
150 149.7 0.0 354.0



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



#74

N-ethyl acetate

Concen: 0.208 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Tgt Ion: 43 Resp: 450

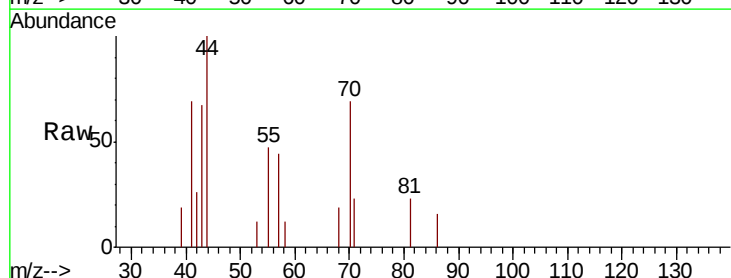
Ion Ratio Lower Upper

43 100

70 110.7 38.5 57.7#

55 80.0 20.7 31.1#

61 0.0 20.8 31.2#

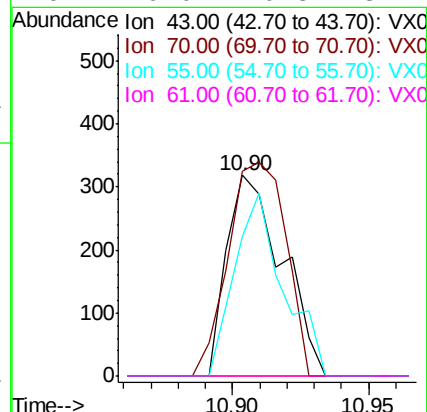
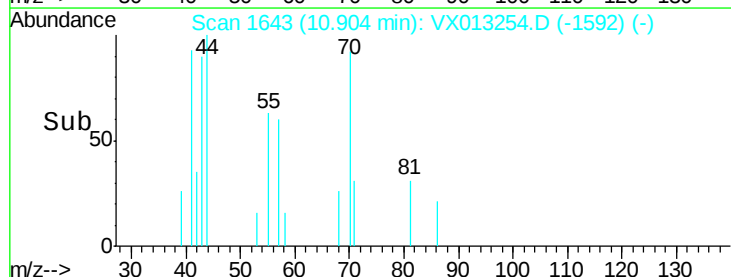


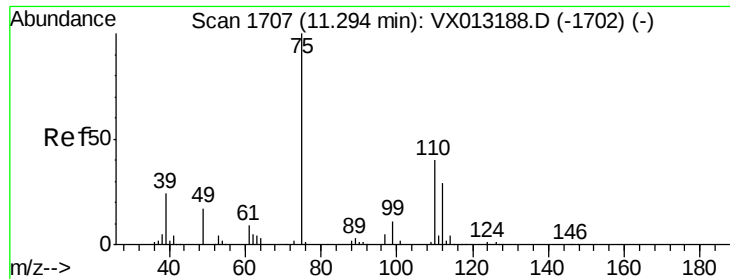
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.939 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

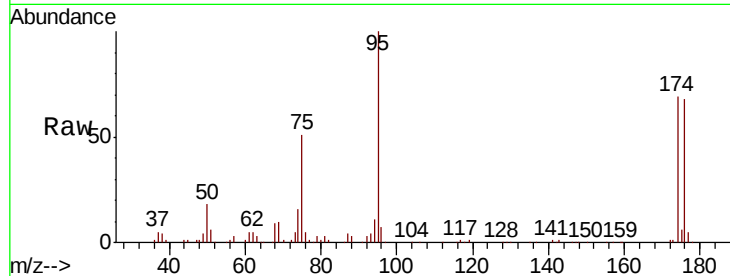
W-3

Tot Ion: 75 Resp: 39063

Ion Ratio Lower Upper

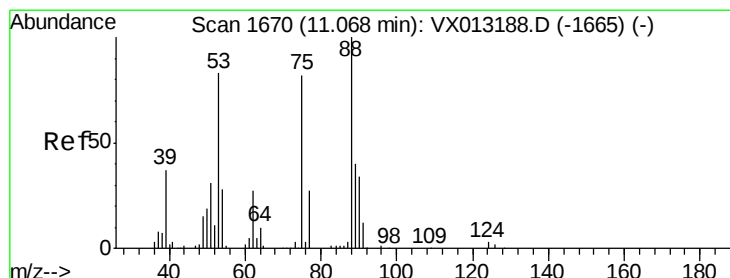
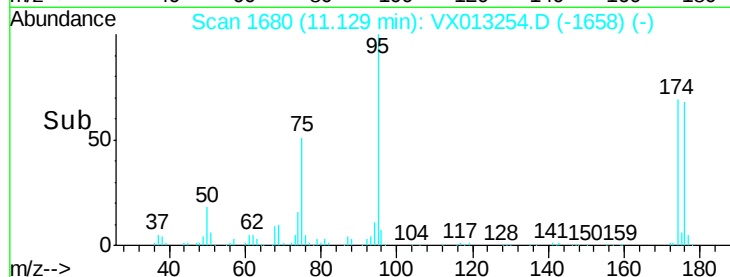
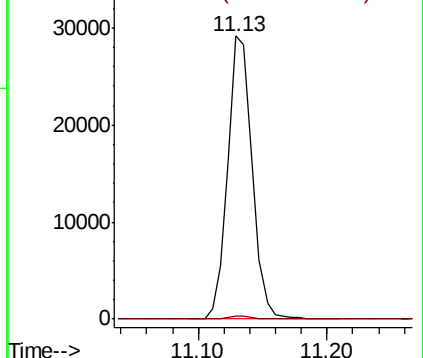
75 100

77 1.1 19.1 57.5#



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: 68.530 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013254.D

Acq: 28 Oct 2019 17:44

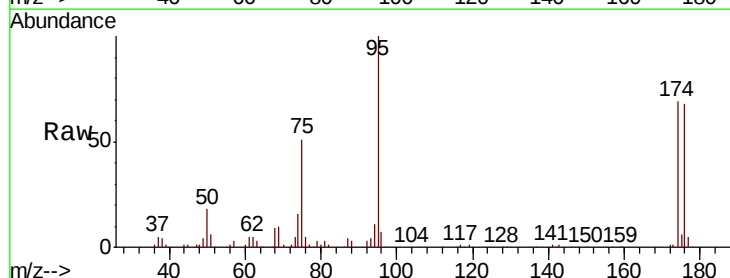
Tgt Ion: 75 Resp: 39063

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



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

