

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102819\NOT REVIEWED DATA\
 Data File : VX013253.D
 Acq On : 28 Oct 2019 17:20
 Operator : JC/SP
 Sample : K5575-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-2

Quant Time: Oct 29 19:23:32 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	71251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	103964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	103491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	64006	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	78511	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	5.49	113	60636	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	8.71	98	212849	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.14	95	80372	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

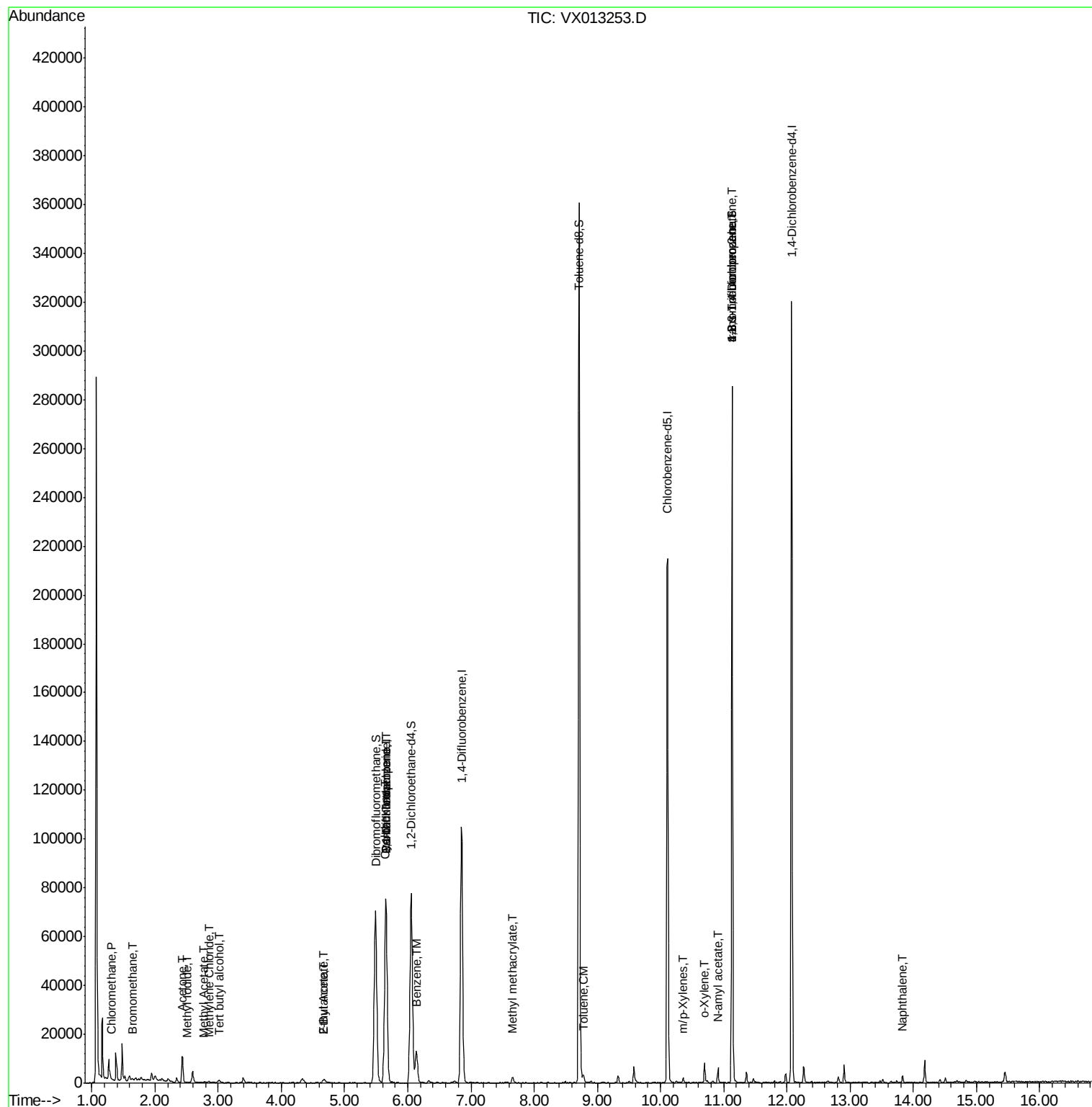
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	339	1.258	ug/l #	81
5) Bromomethane	1.64	94	229	0.334	ug/l #	79
6) Chloroethane	1.72	64	571	Below Cal	#	73
10) Methyl Iodide	2.51	142	218	3.667	ug/l #	59
11) Tert butyl alcohol	3.01	59	1233	2.763	ug/l #	72
16) Acetone	2.44	43	11023	15.700	ug/l	97
18) Methyl Acetate	2.77	43	113	1.041	ug/l #	49
20) Methylene Chloride	2.86	84	193	0.435	ug/l #	71
25) 2-Butanone	4.67	43	1911	2.030	ug/l	91
31) Cyclohexane	5.64	56	1512	0.785	ug/l #	27
36) 1,1-Dichloropropene	5.65	75	5461	3.066	ug/l #	51
37) Ethyl Acetate	4.67	43	1911	1.103	ug/l #	65
38) Carbon Tetrachloride	5.66	117	7324	3.811	ug/l #	12
40) Benzene	6.14	78	15335	2.937	ug/l	98
48) Methyl methacrylate	7.65	41	744	0.523	ug/l #	37
52) Toluene	8.79	92	1049	0.303	ug/l	93
68) m/p-Xylenes	10.36	106	681	0.278	ug/l	84
69) o-Xylene	10.70	106	1906	0.811	ug/l	99
74) N-amyl acetate	10.90	43	1023	0.480	ug/l #	20
76) 1,2,3-Trichloropropane	11.13	75	41188	26.699	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	41188	73.368	ug/l #	10
95) Naphthalene	13.83	128	1831	0.383	ug/l #	92

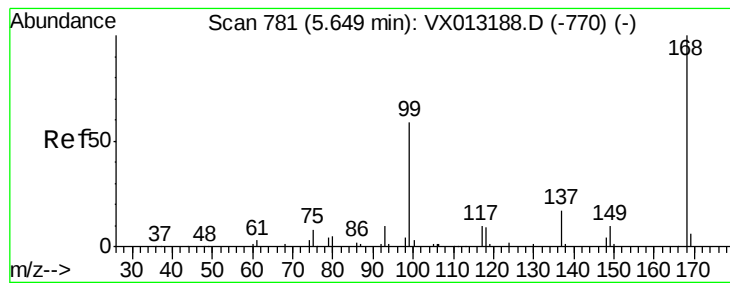
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

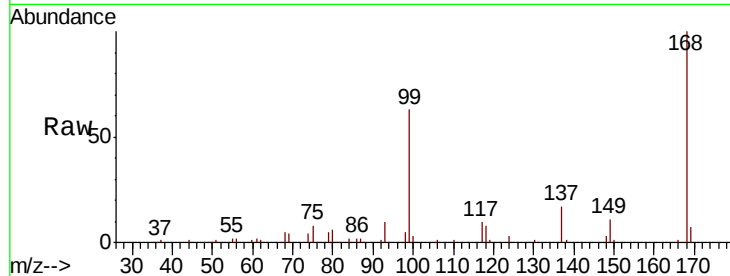
W-2

Tot Ion:168 Resp: 71251

Ion Ratio Lower Upper

168 100

99 62.9 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

25000

20000

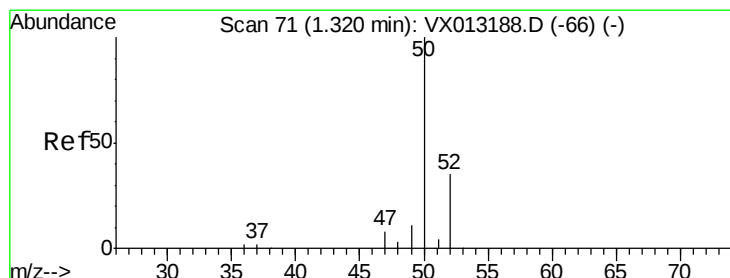
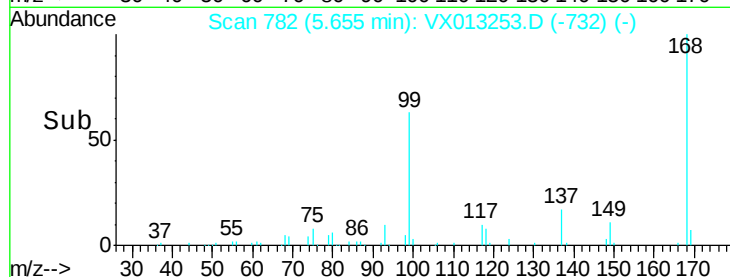
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 1.258 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013253.D

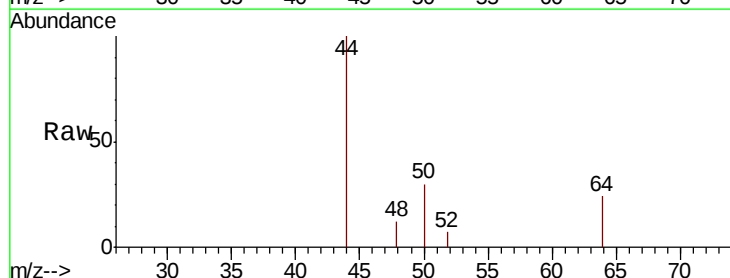
Acq: 28 Oct 2019 17:20

Tgt Ion: 50 Resp: 339

Ion Ratio Lower Upper

50 100

52 23.6 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

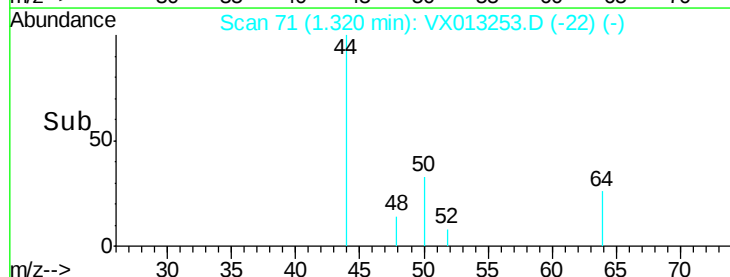
300

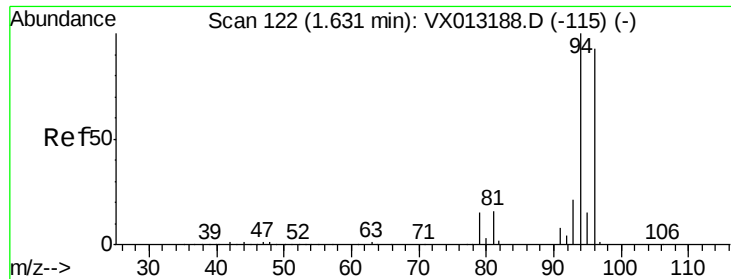
200

100

0

Time-->





#5

Bromomethane

Concen: 0.334 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

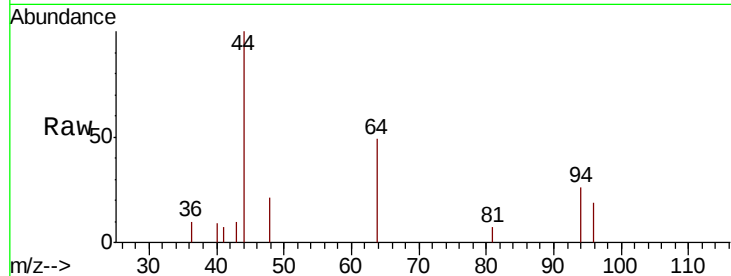
W-2

Tot Ion: 94 Resp: 229

Ion Ratio Lower Upper

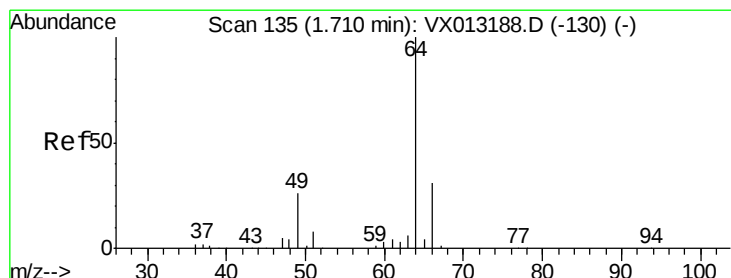
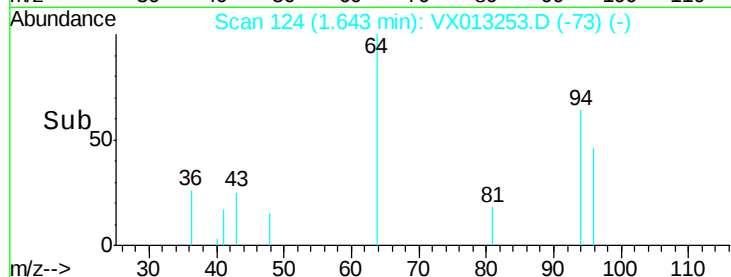
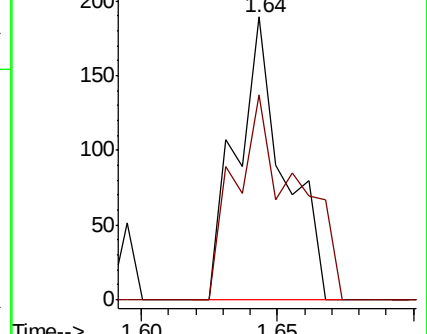
94 100

96 72.5 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013253.D

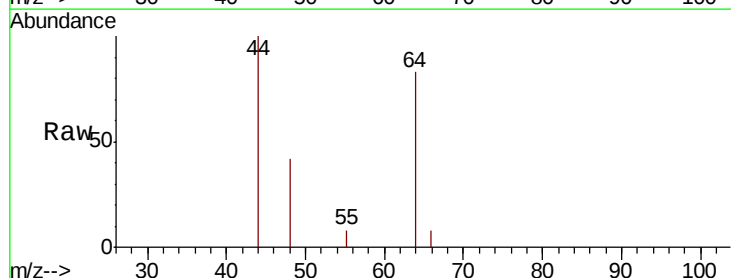
Acq: 28 Oct 2019 17:20

Tgt Ion: 64 Resp: 571

Ion Ratio Lower Upper

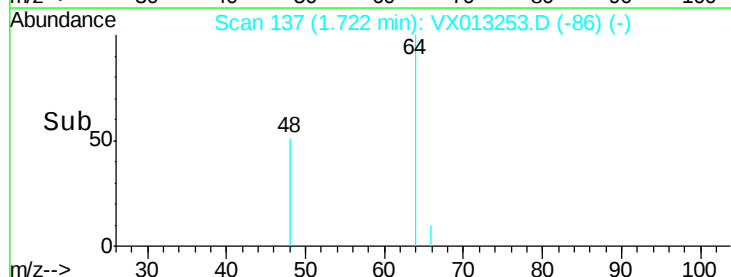
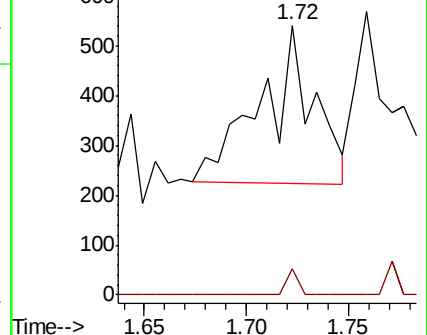
64 100

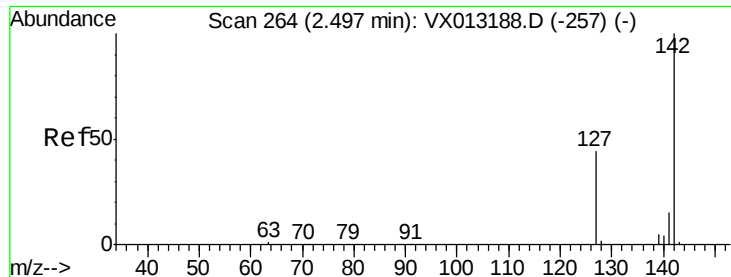
66 16.6 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

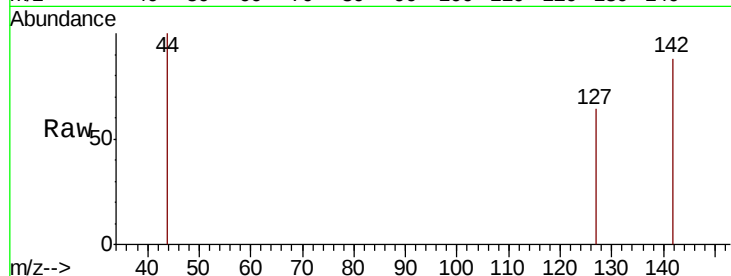




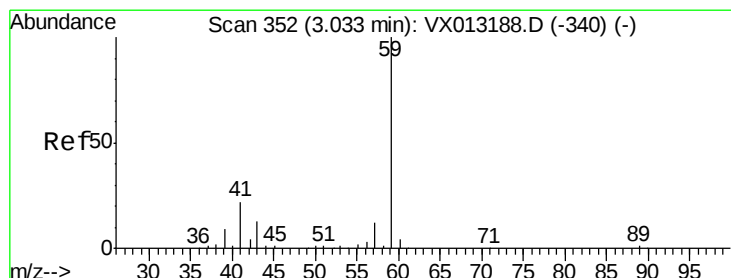
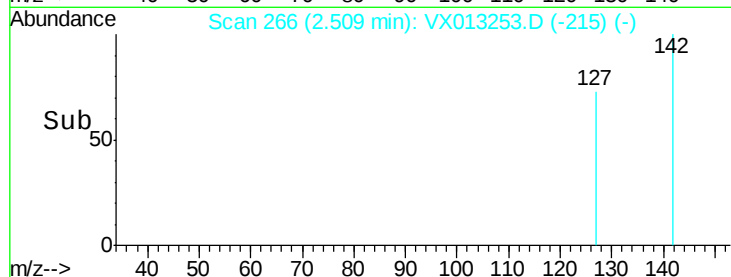
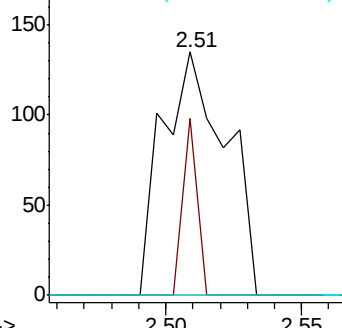
#10
Methyl Iodide
Concen: 3.667 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
W-2

Tot Ion:142 Resp: 218
Ion Ratio Lower Upper
142 100
127 16.5 35.6 53.4#
141 0.0 11.6 17.4#

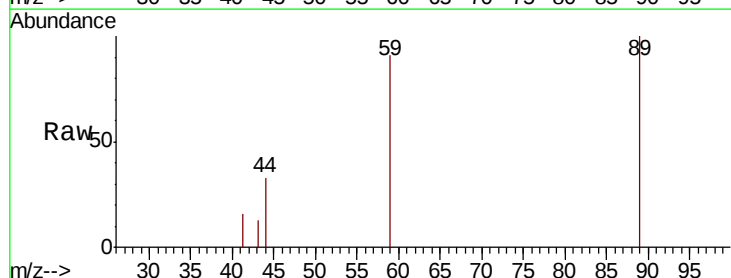


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

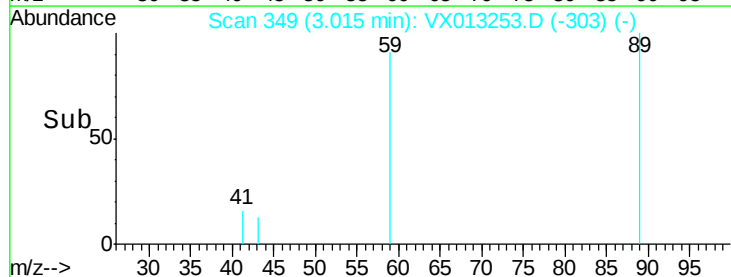
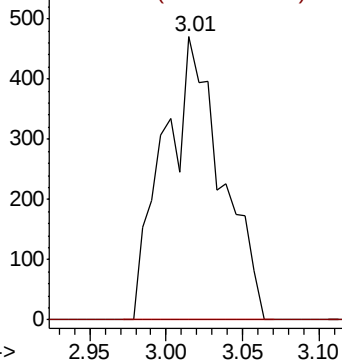


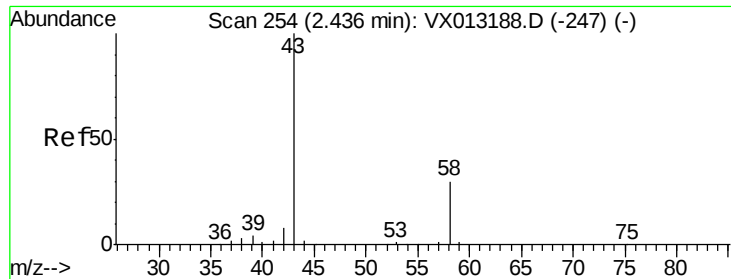
#11
Tert butyl alcohol
Concen: 2.763 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

Tgt Ion: 59 Resp: 1233
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: 15.700 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

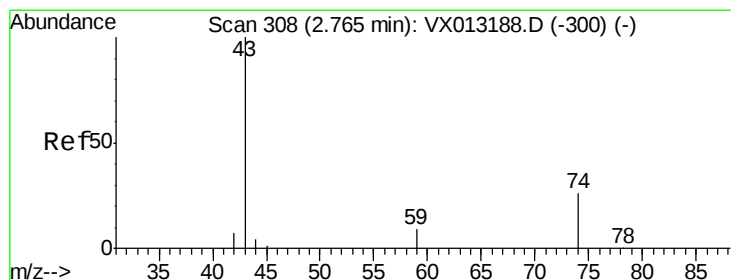
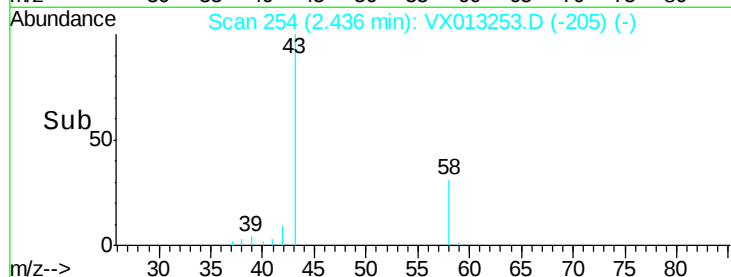
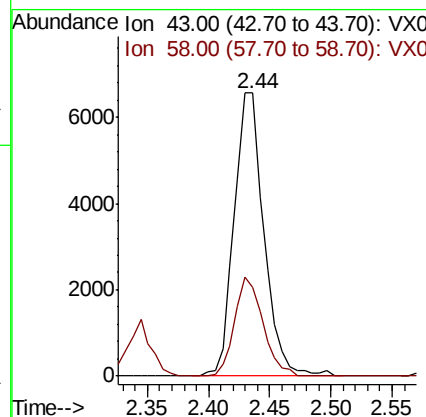
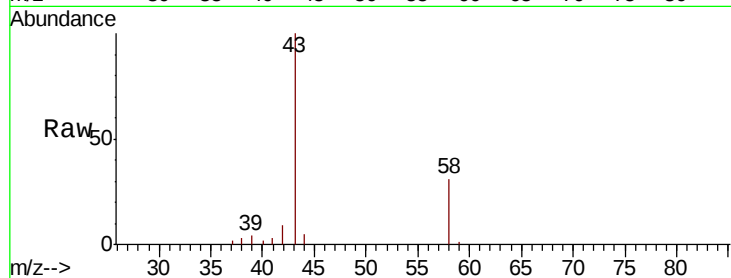
W-2

Tot Ion: 43 Resp: 11023

Ion Ratio Lower Upper

43 100

58 31.5 23.8 35.6



#18

Methyl Acetate

Concen: 1.041 ug/l

RT: 2.77 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013253.D

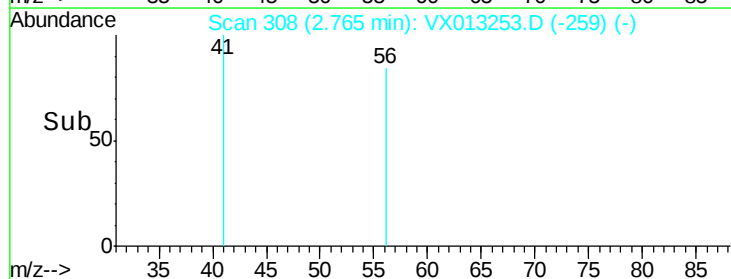
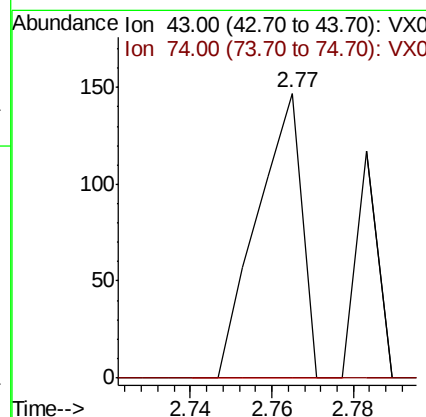
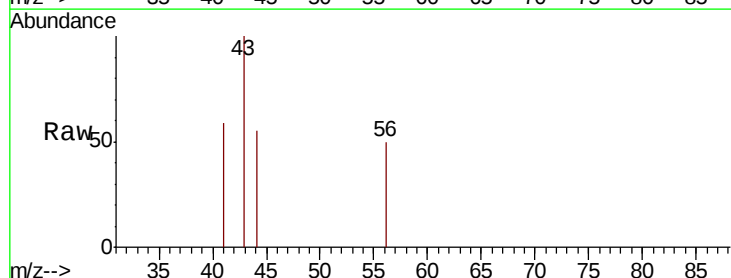
Acq: 28 Oct 2019 17:20

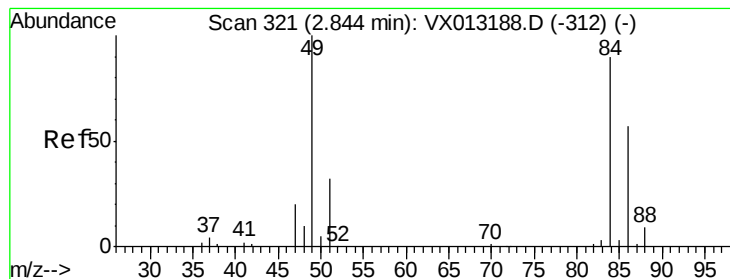
Tgt Ion: 43 Resp: 113

Ion Ratio Lower Upper

43 100

74 0.0 20.9 31.3#





#20

Methylene Chloride

Concen: 0.435 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

W-2

Tot Ion: 84 Resp: 193

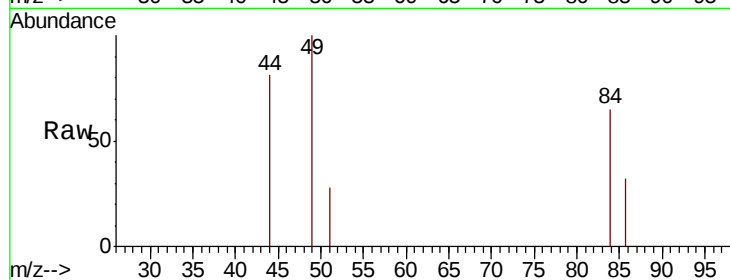
Ion Ratio Lower Upper

84 100

49 154.3 89.2 133.8#

51 43.3 28.8 43.2#

86 49.6 51.2 76.8#

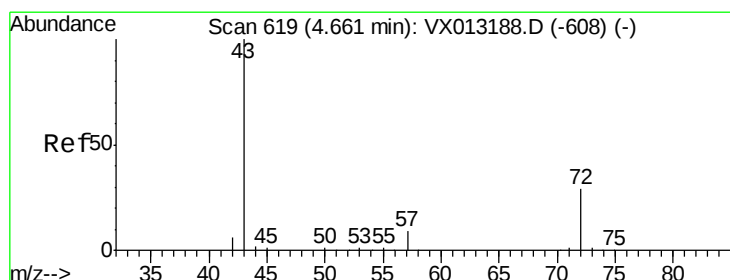
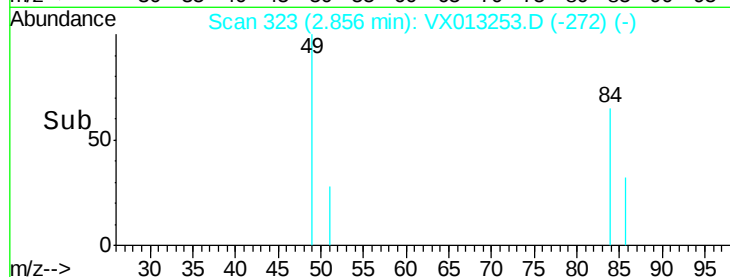
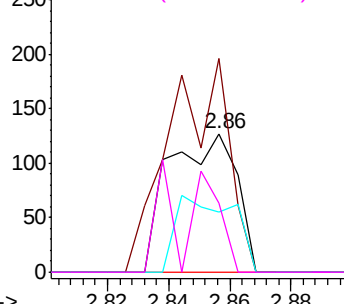


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 2.030 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013253.D

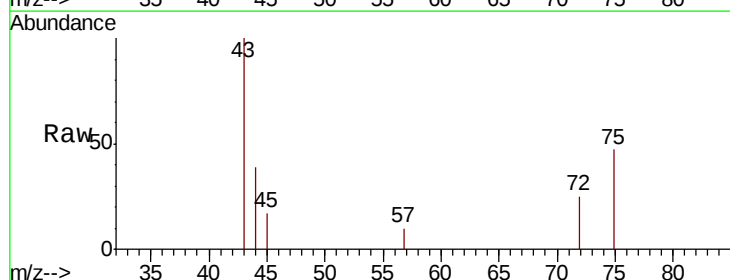
Acq: 28 Oct 2019 17:20

Tgt Ion: 43 Resp: 1911

Ion Ratio Lower Upper

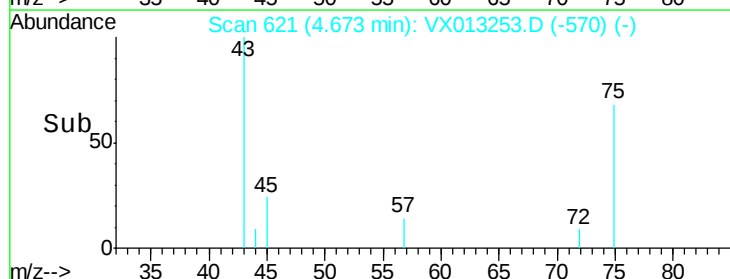
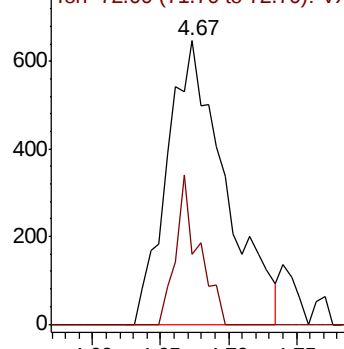
43 100

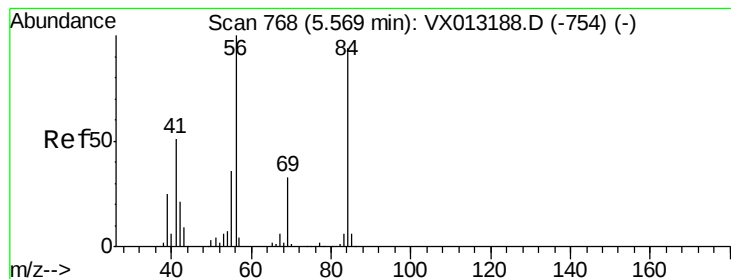
72 24.7 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 0.785 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

W-2

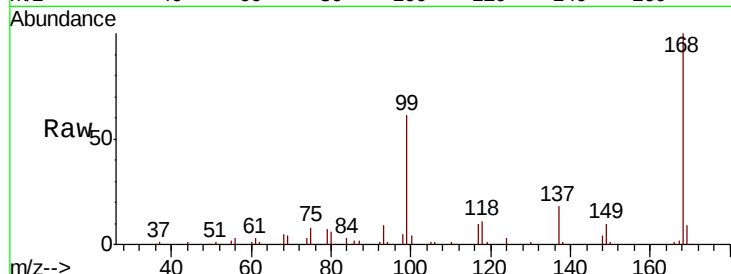
Tot Ion: 56 Resp: 1512

Ion Ratio Lower Upper

56 100

69 148.5 26.3 39.5#

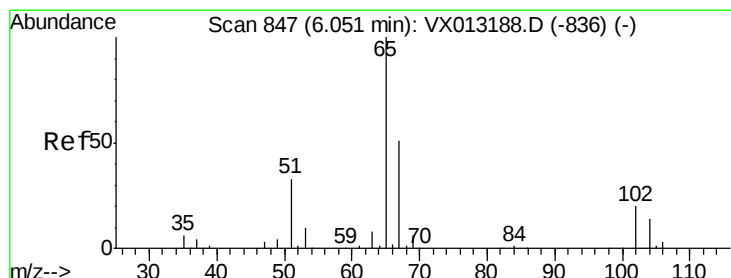
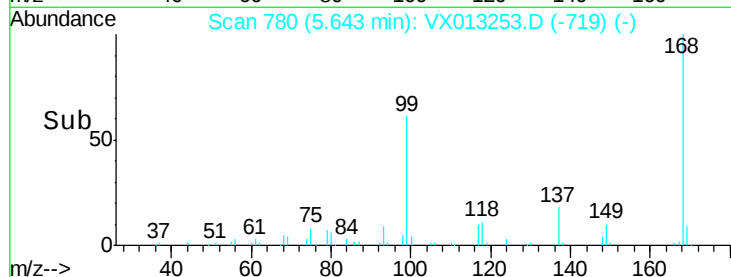
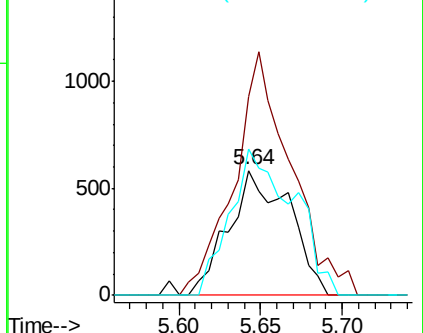
84 116.6 73.8 110.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.683 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013253.D

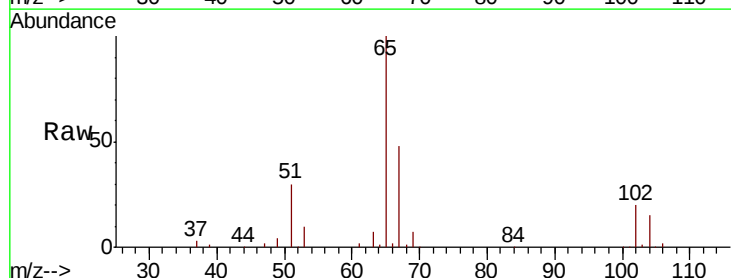
Acq: 28 Oct 2019 17:20

Tgt Ion: 65 Resp: 78511

Ion Ratio Lower Upper

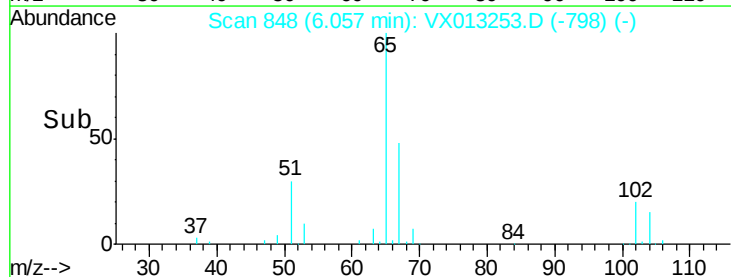
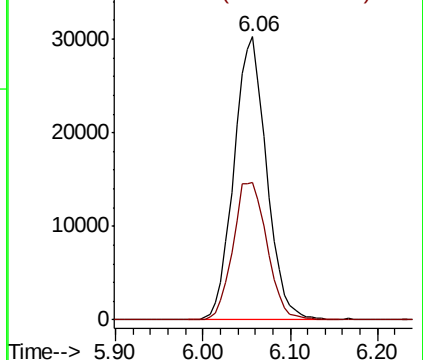
65 100

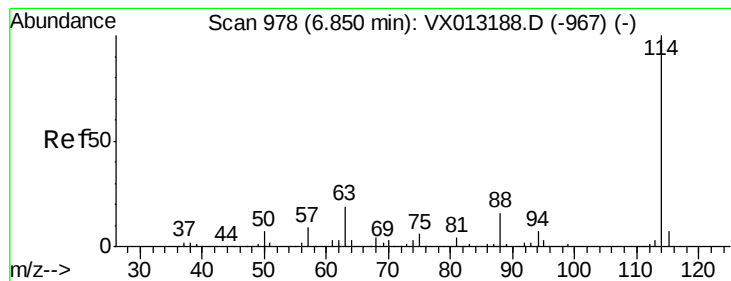
67 50.9 0.0 102.6



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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

W-2

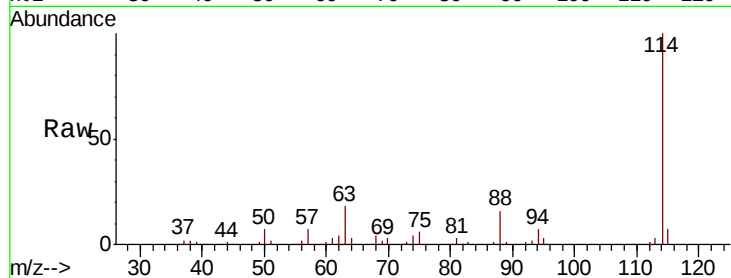
Tot Ion:114 Resp: 103964

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.0

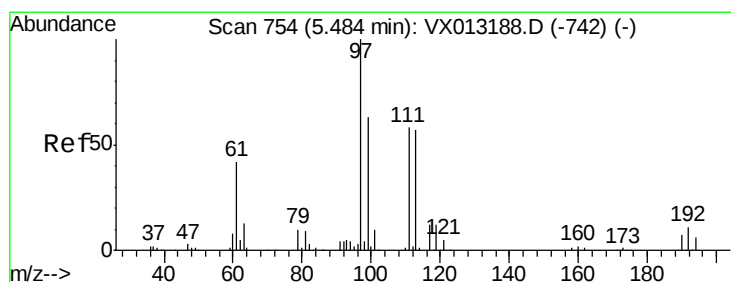
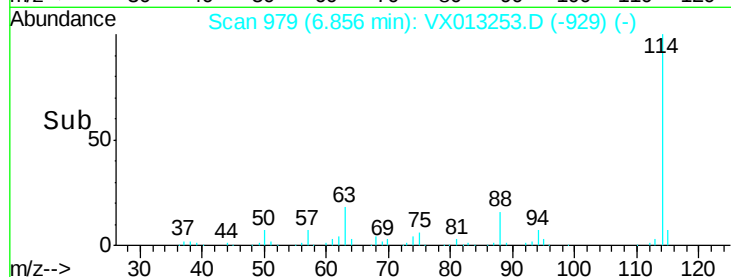
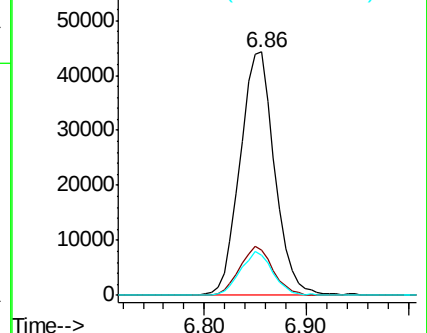
88 16.5 0.0 32.0



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: 52.302 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

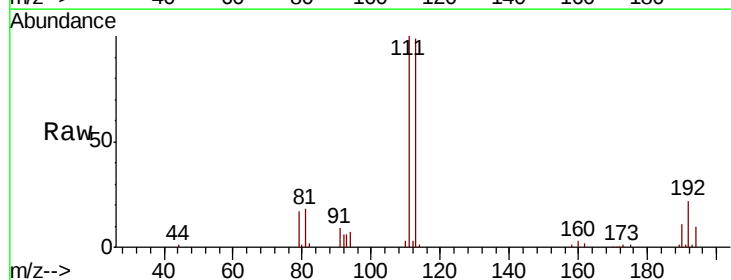
Tgt Ion:113 Resp: 60636

Ion Ratio Lower Upper

113 100

111 101.0 80.3 120.5

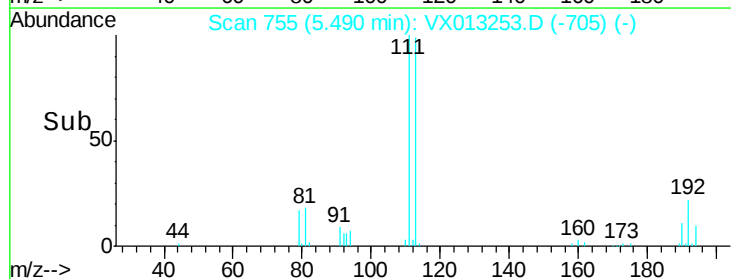
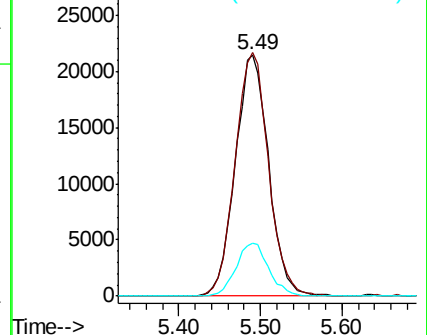
192 21.4 15.9 23.9

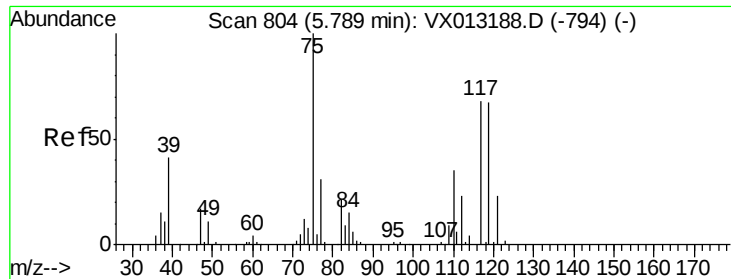


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

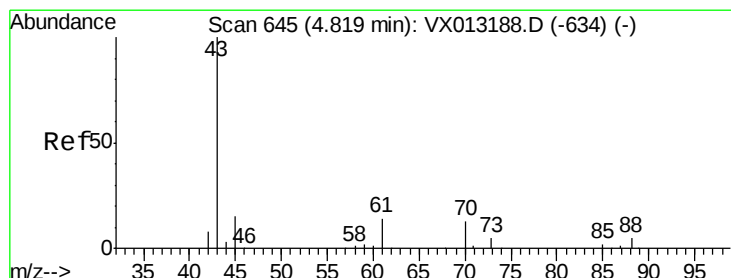
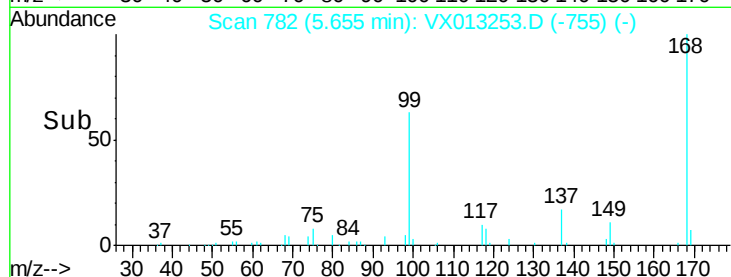
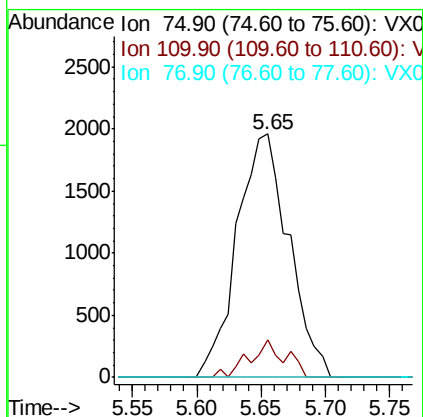
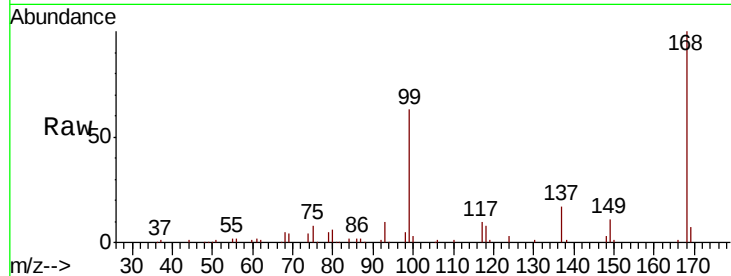




#36
 1,1-Dichloropropene
 Concen: 3.066 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013253.D
 Acq: 28 Oct 2019 17:20

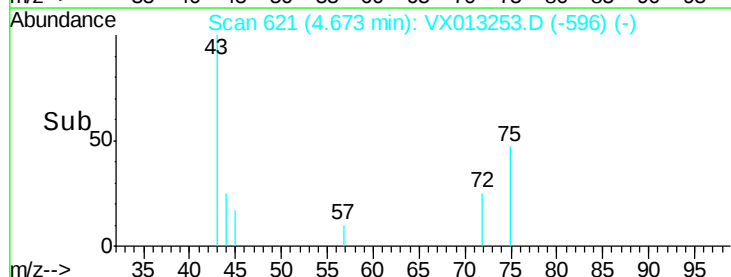
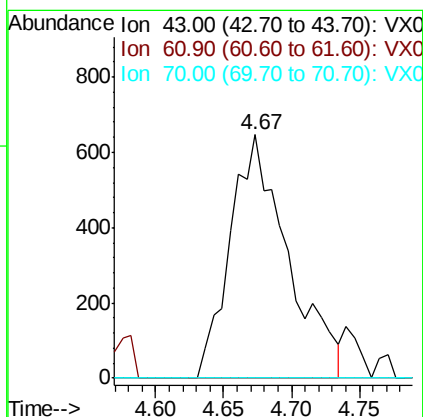
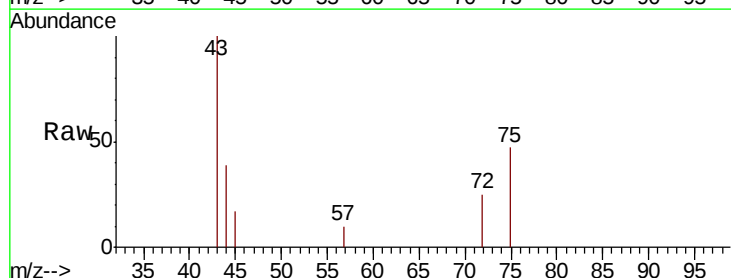
Instrument :
 MSVOA_X
 ClientSampled :
 W-2

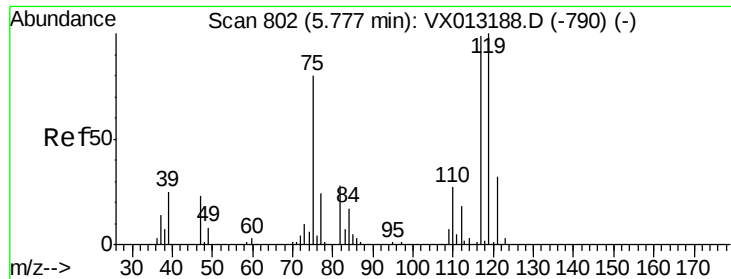
Tot Ion: 75 Resp: 5461
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.6 52.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.103 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. -0.15 min
 Lab File: VX013253.D
 Acq: 28 Oct 2019 17:20

Tgt Ion: 43 Resp: 1911
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 10.4 15.6#





#38

Carbon Tetrachloride

Concen: 3.811 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.12 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampled :

W-2

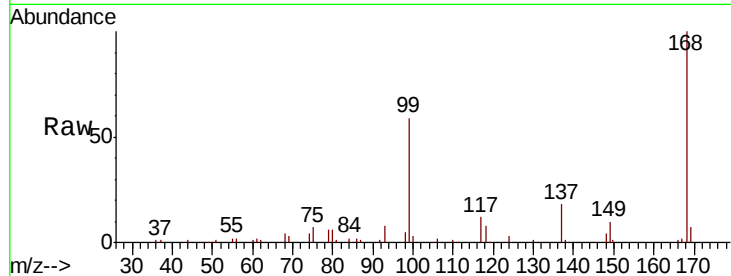
Tot Ion:117 Resp: 7324

Ion Ratio Lower Upper

117 100

119 2.5 80.1 120.1#

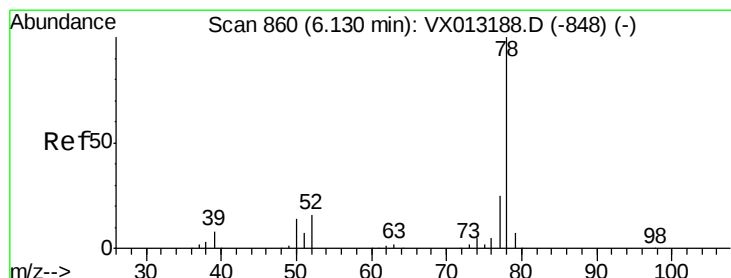
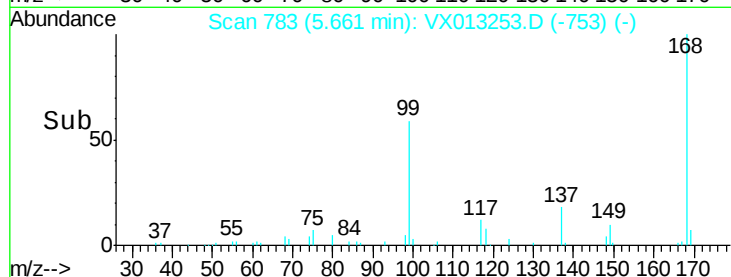
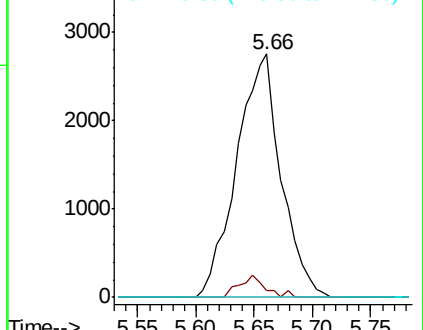
121 0.0 25.5 38.3#



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: 2.937 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013253.D

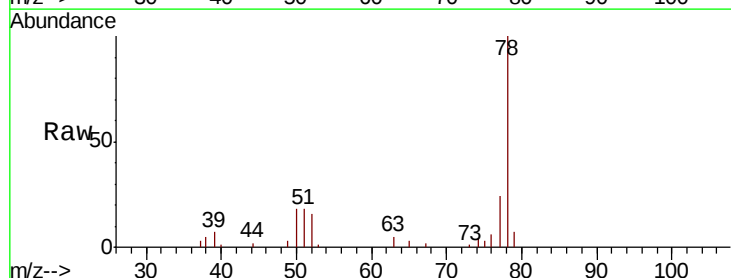
Acq: 28 Oct 2019 17:20

Tgt Ion: 78 Resp: 15335

Ion Ratio Lower Upper

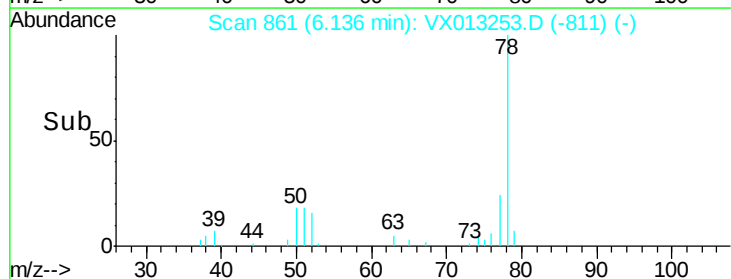
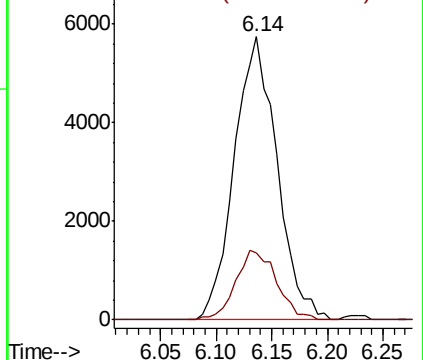
78 100

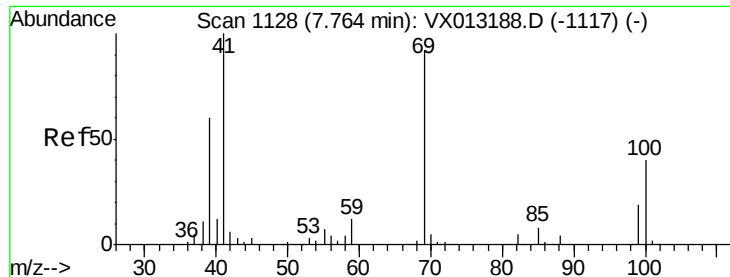
77 23.6 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

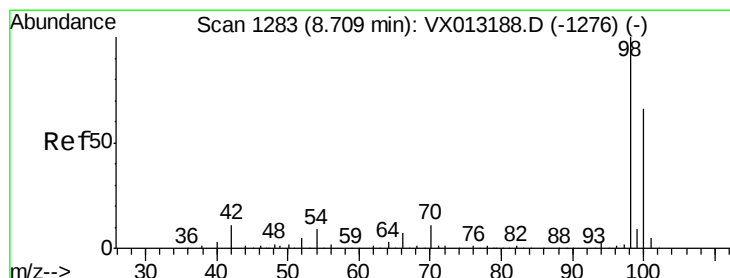
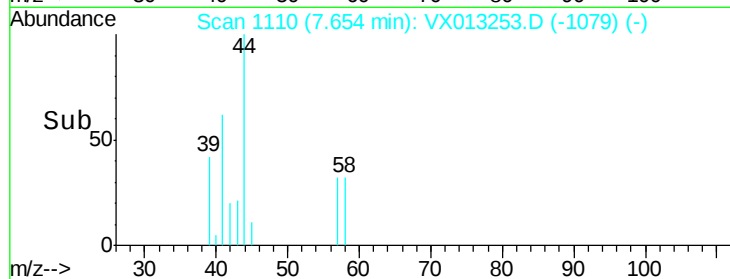
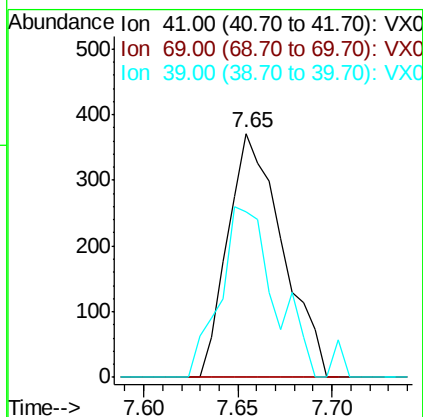
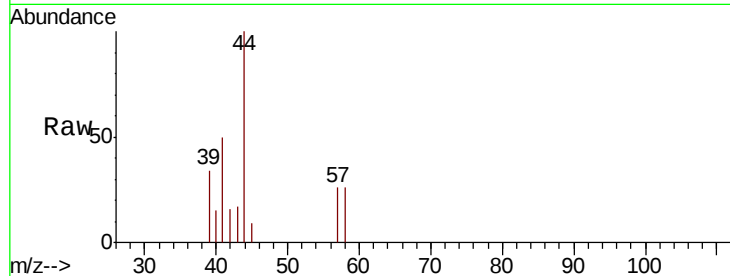




#48
Methvl methacrylate
Concen: 0.523 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.11 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

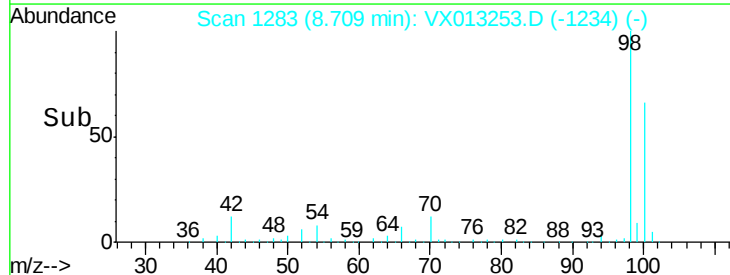
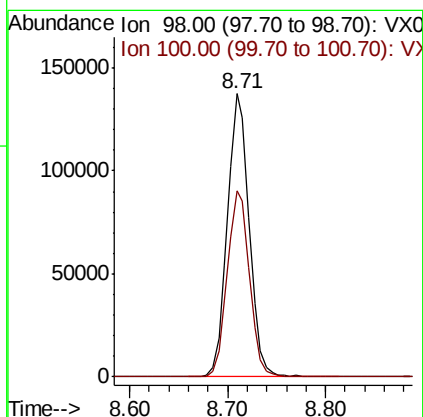
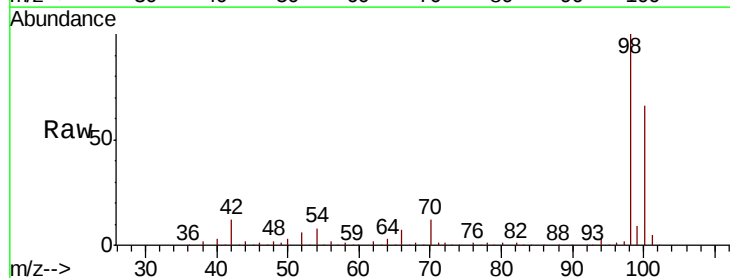
Instrument :
MSVOA_X
ClientSampleId :
W-2

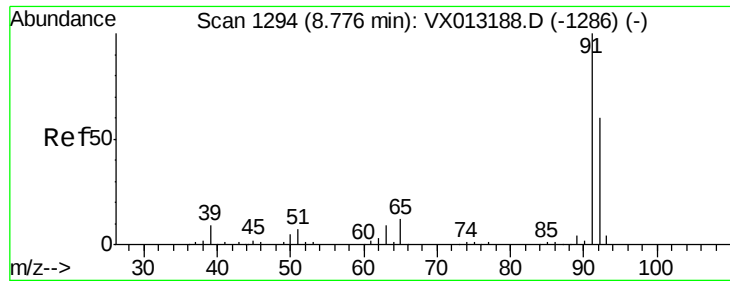
Tot Ion: 41 Resp: 744
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 69.9 47.4 71.0



#50
Toluene-d8
Concen: 49.541 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

Tgt Ion: 98 Resp: 212849
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9





#52

Toluene

Concen: 0.303 ug/l

RT: 8.79 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

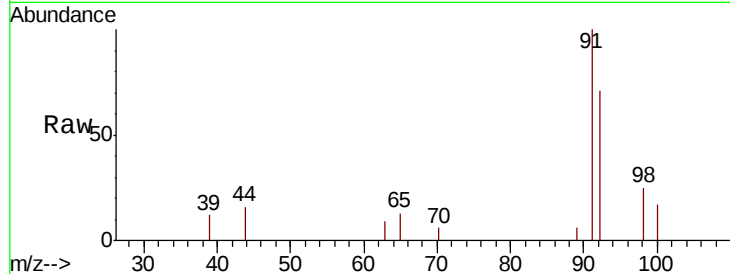
W-2

Tot Ion: 92 Resp: 1049

Ion Ratio Lower Upper

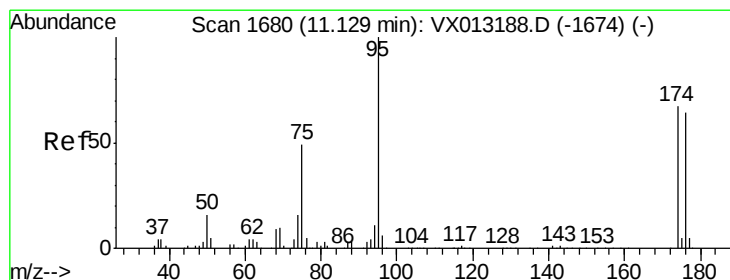
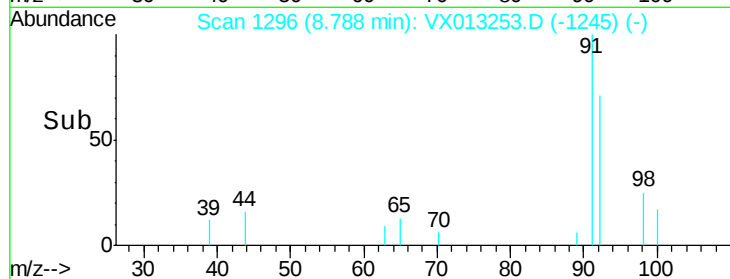
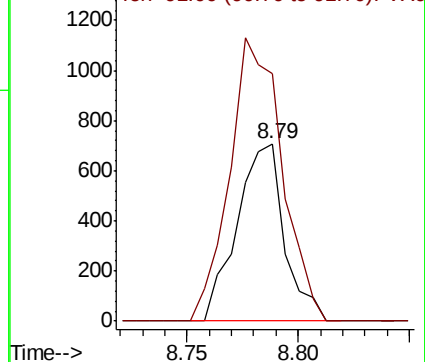
92 100

91 176.5 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.263 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

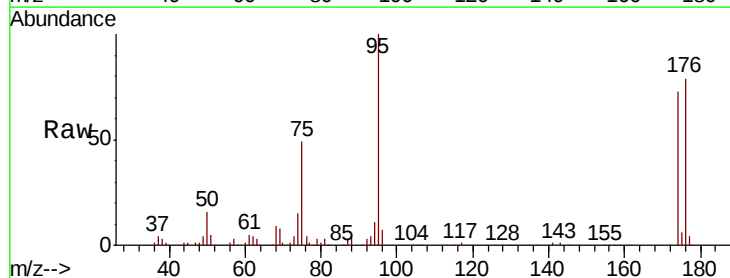
Tgt Ion: 95 Resp: 80372

Ion Ratio Lower Upper

95 100

174 74.8 0.0 152.4

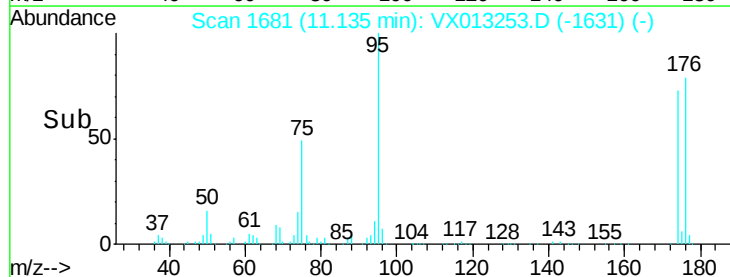
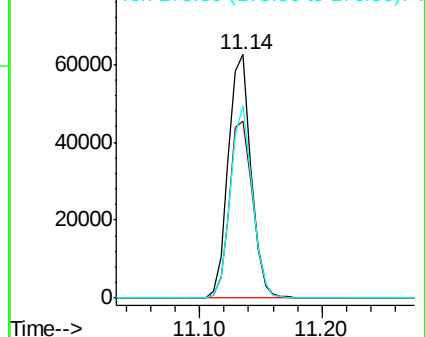
176 75.8 0.0 146.0

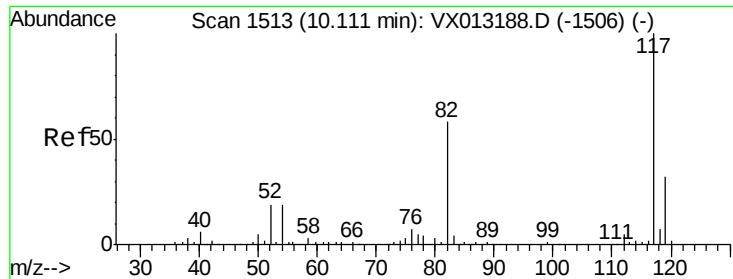


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

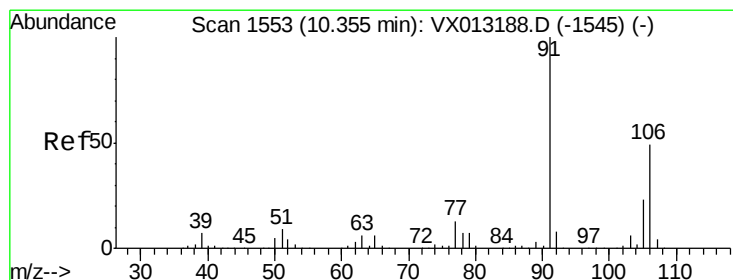
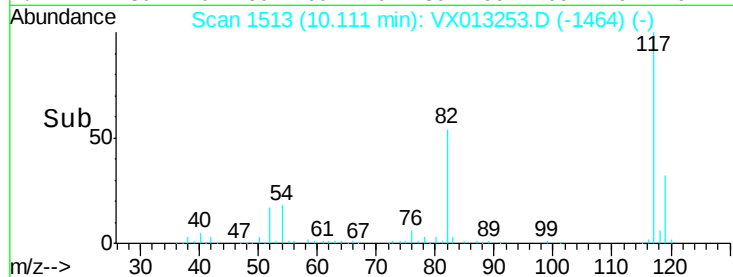
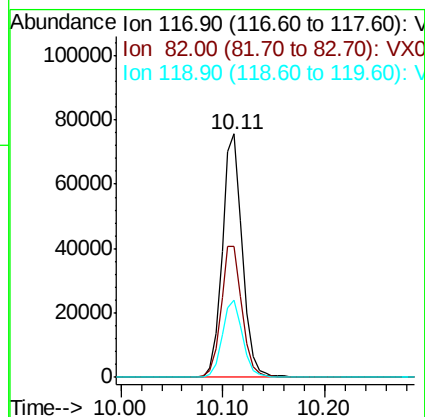
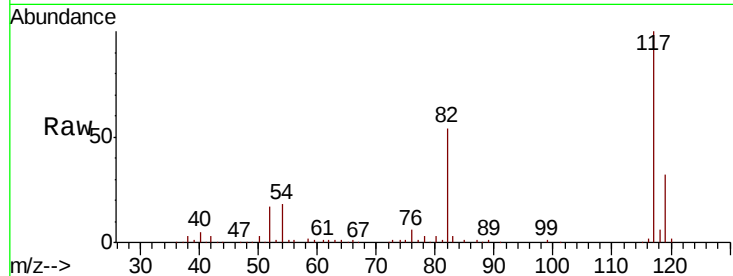




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

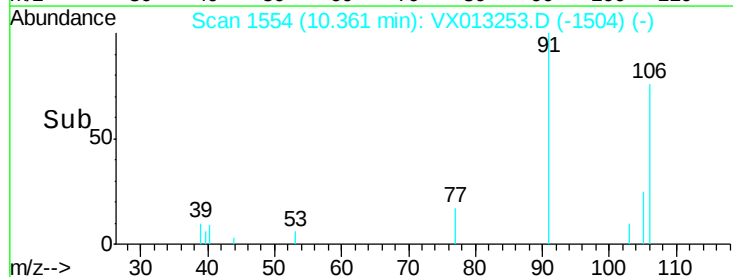
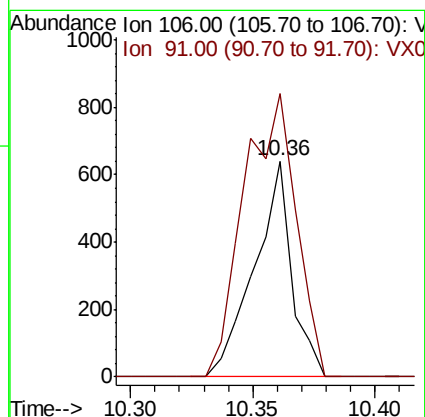
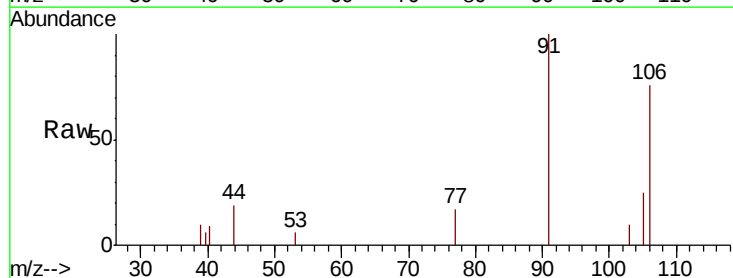
Instrument :
MSVOA_X
ClientSampled :
W-2

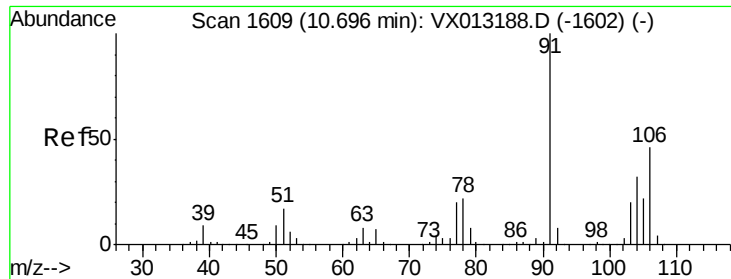
Tot Ion:117 Resp: 103491
Ion Ratio Lower Upper
117 100
82 53.9 46.5 69.7
119 31.8 25.2 37.8



#68
m/p-Xylenes
Concen: 0.278 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

Tgt Ion:106 Resp: 681
Ion Ratio Lower Upper
106 100
91 183.7 166.8 250.2

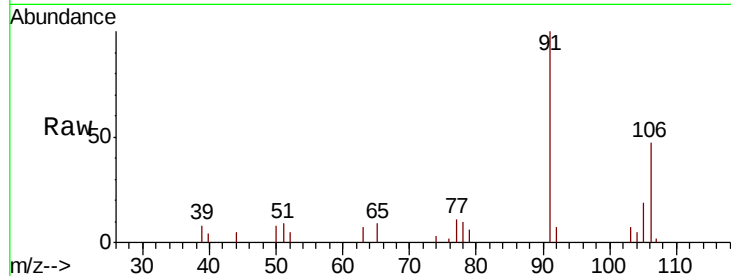




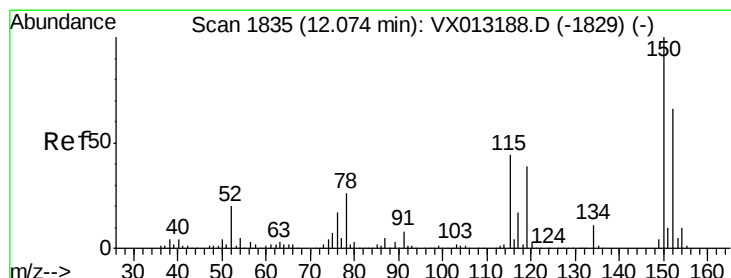
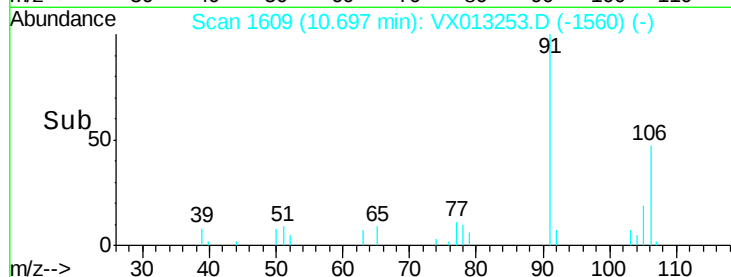
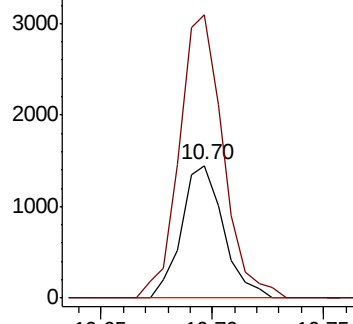
#69
o-Xylene
Concen: 0.811 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

Instrument :
MSVOA_X
ClientSampled :
W-2

Tot Ion:106 Resp: 1906
Ion Ratio Lower Upper
106 100
91 222.5 110.7 331.9

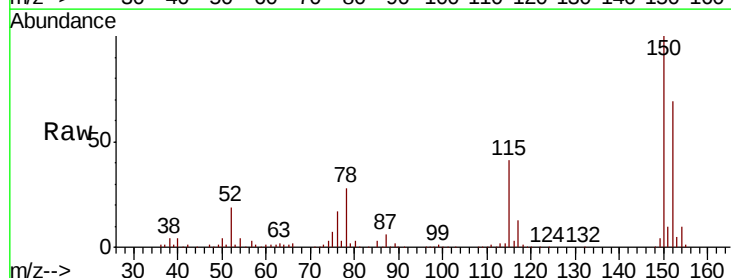


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

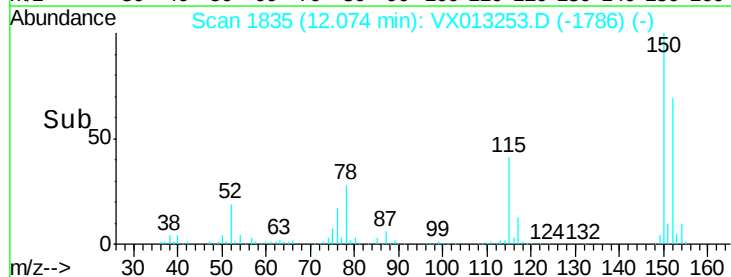
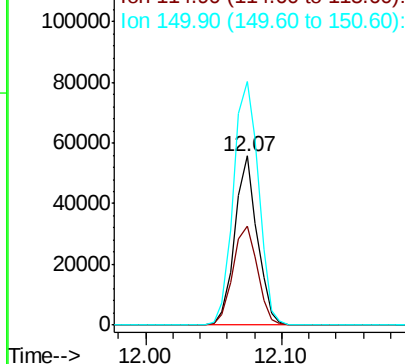


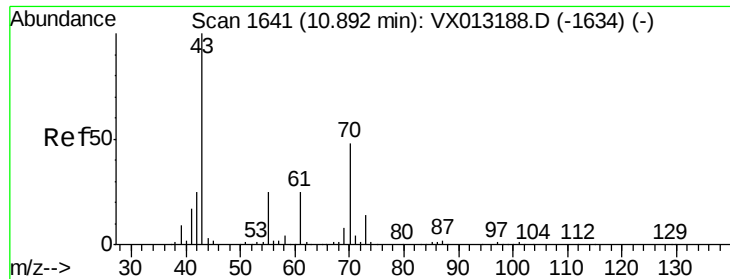
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013253.D
Acq: 28 Oct 2019 17:20

Tgt Ion:152 Resp: 64006
Ion Ratio Lower Upper
152 100
115 64.2 46.6 139.8
150 161.5 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-amvl acetate

Concen: 0.480 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

W-2

Tot Ion: 43 Resp: 1023

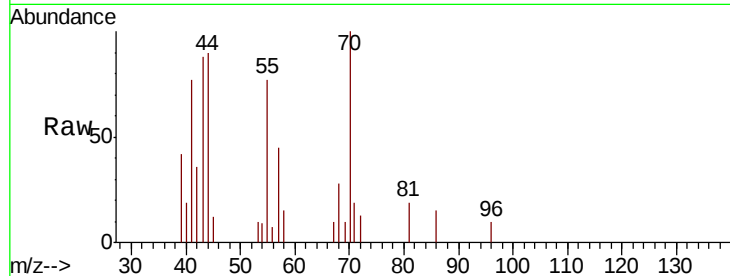
Ion Ratio Lower Upper

43 100

70 105.5 38.5 57.7#

55 77.5 20.7 31.1#

61 0.0 20.8 31.2#

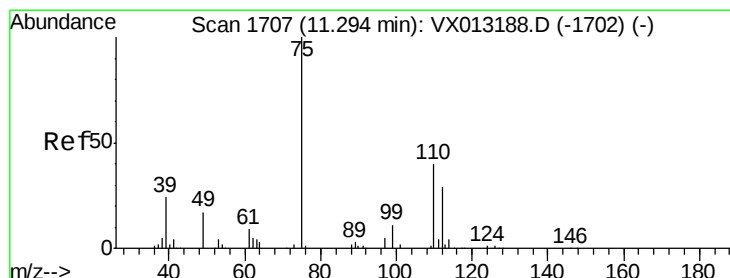
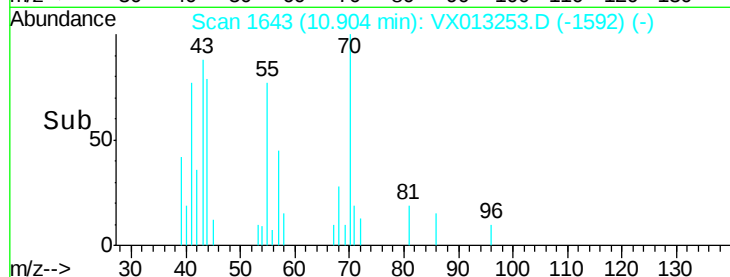
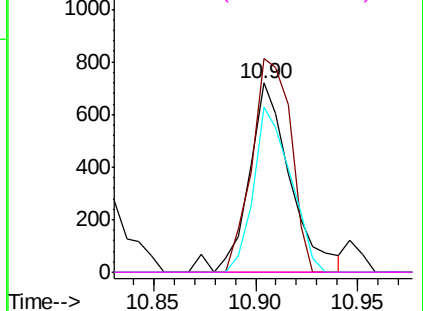


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 26.699 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013253.D

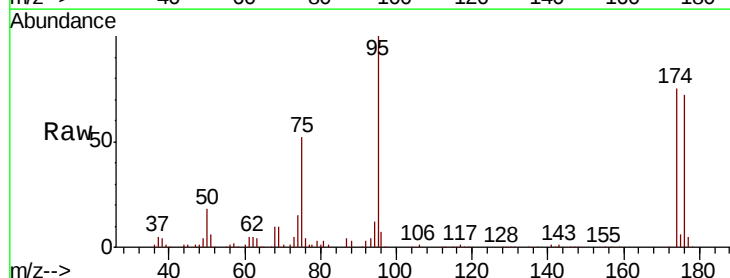
Acq: 28 Oct 2019 17:20

Tgt Ion: 75 Resp: 41188

Ion Ratio Lower Upper

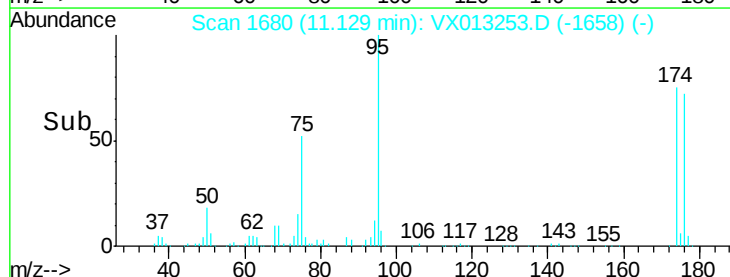
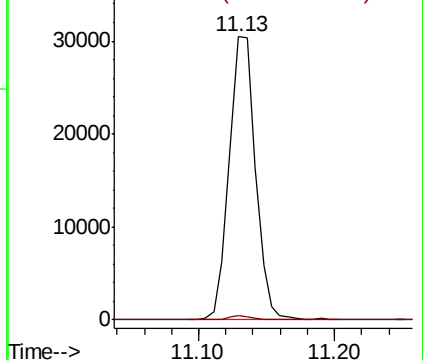
75 100

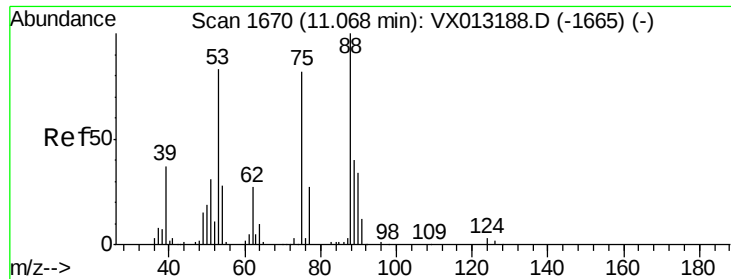
77 1.3 19.1 57.5#



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: 73.368 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

W-2

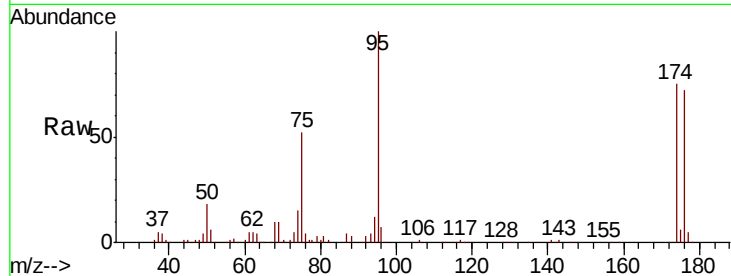
Tot Ion: 75 Resp: 41188

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

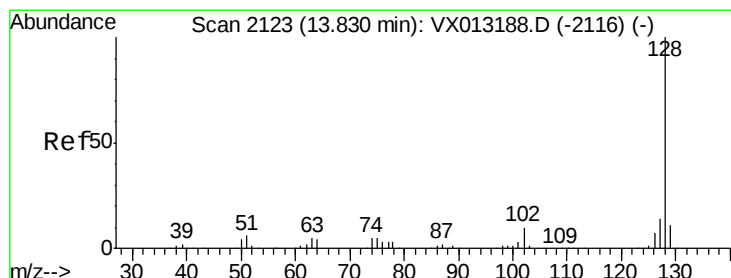
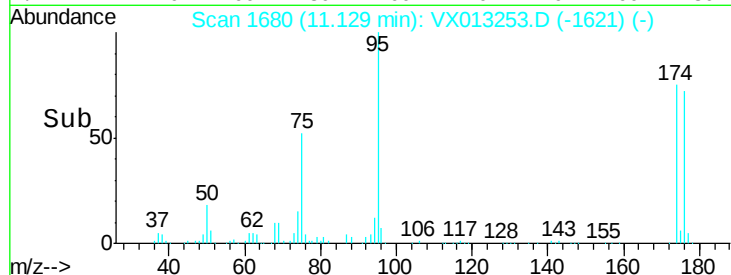
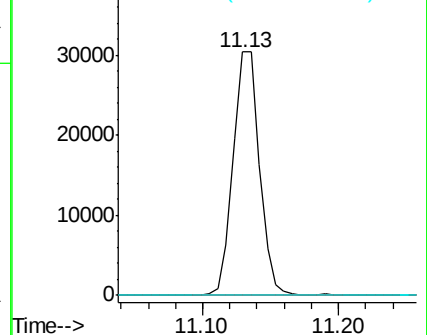
89 0.0 37.3 55.9#



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



#95

Naphthalene

Concen: 0.383 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013253.D

Acq: 28 Oct 2019 17:20

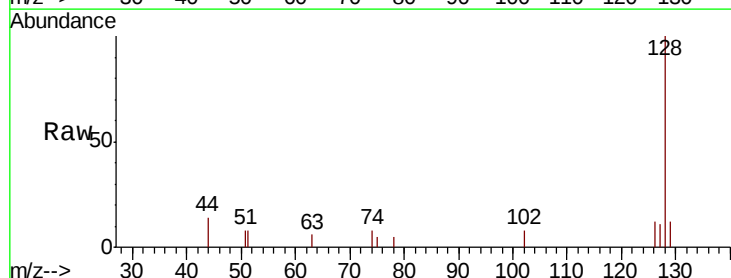
Tgt Ion:128 Resp: 1831

Ion Ratio Lower Upper

128 100

127 9.1 10.7 16.1#

129 9.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

