

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\NOT REVIEWED DATA\
 Data File : VX013255.D
 Acq On : 28 Oct 2019 18:07
 Operator : JC/SP
 Sample : K5575-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-4

Quant Time: Oct 29 19:24:02 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	69497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	102192	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	99576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	65318	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	83262	57.28	ug/l	0.00
Spiked Amount			Recovery	=	114.56%	
35) Dibromofluoromethane	5.49	113	62784	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
50) Toluene-d8	8.71	98	218568	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.13	95	80184	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

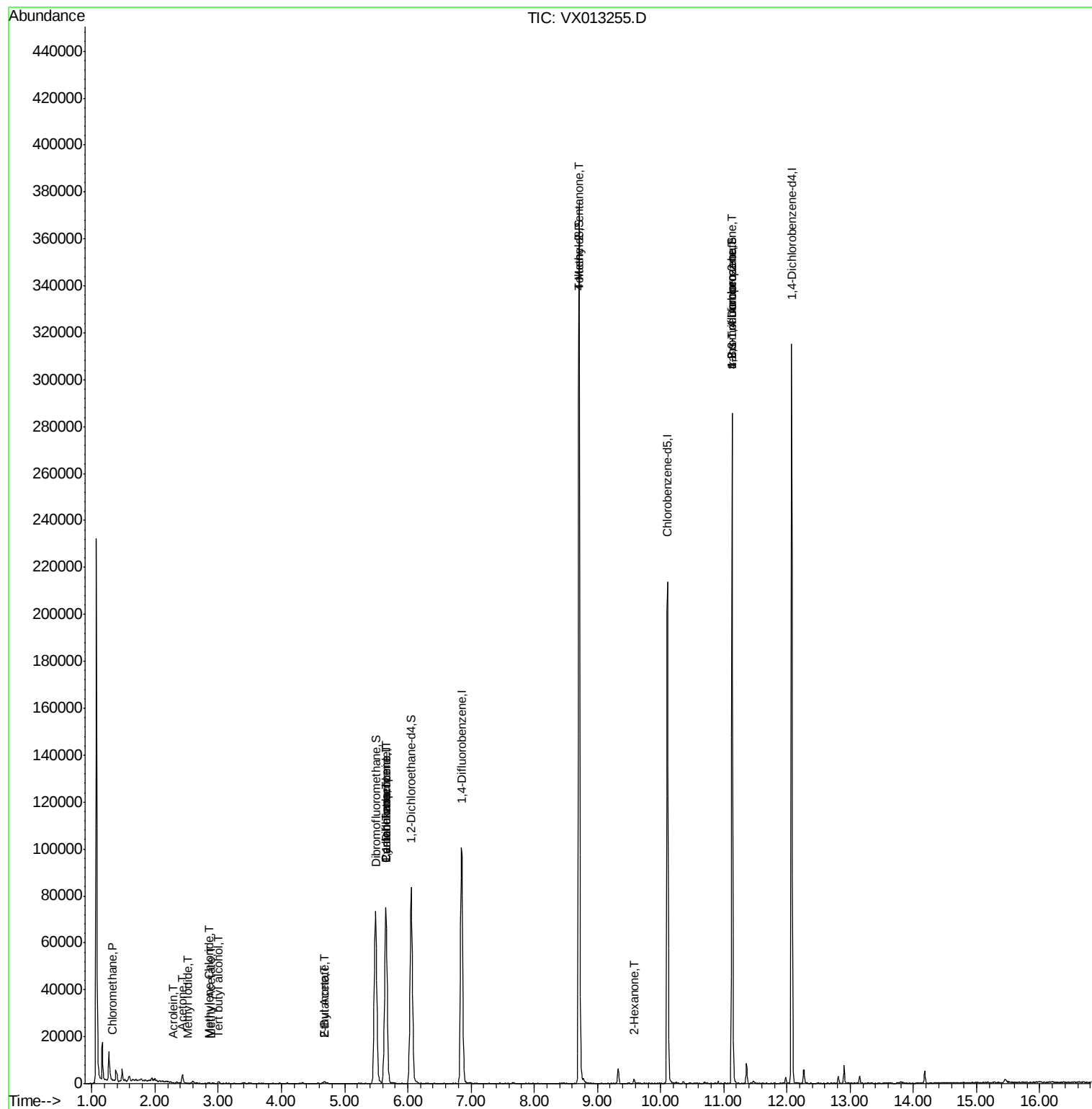
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	150	1.105	ug/l #	83
6) Chloroethane	1.70	64	112	Below Cal	#	43
10) Methyl Iodide	2.52	142	45	3.567	ug/l #	40
11) Tert butyl alcohol	3.01	59	399	0.204	ug/l #	72
13) Acrolein	2.29	56	54	0.317	ug/l #	13
16) Acetone	2.44	43	3879	5.664	ug/l	96
18) Methyl Acetate	2.88	43	29	0.988	ug/l #	49
20) Methylene Chloride	2.86	84	153	0.407	ug/l #	88
25) 2-Butanone	4.68	43	532	0.579	ug/l	91
31) Cyclohexane	5.65	56	1378	0.733	ug/l #	47
36) 1,1-Dichloropropene	5.65	75	5318	3.036	ug/l #	49
37) Ethyl Acetate	4.68	43	532	0.312	ug/l #	65
38) Carbon Tetrachloride	5.65	117	7526	3.984	ug/l #	14
51) 4-Methyl-2-Pentanone	8.71	43	875	0.508	ug/l #	1
59) 2-Hexanone	9.58	43	386	0.291	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	42330	26.889	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	42330	73.888	ug/l #	10

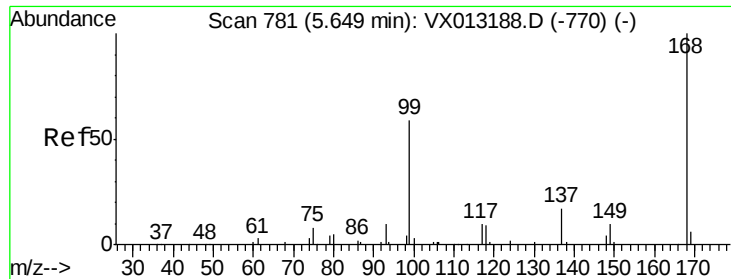
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampled :

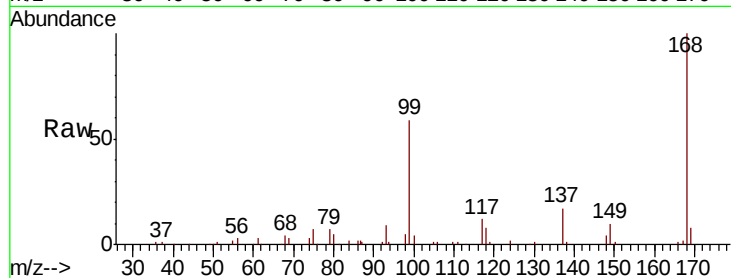
W-4

Tot Ion:168 Resp: 69497

Ion Ratio Lower Upper

168 100

99 59.2 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

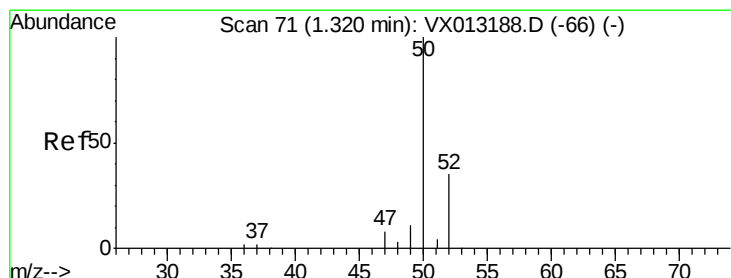
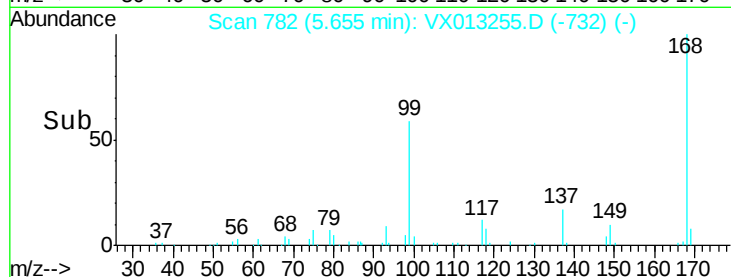
15000

10000

5000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.105 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013255.D

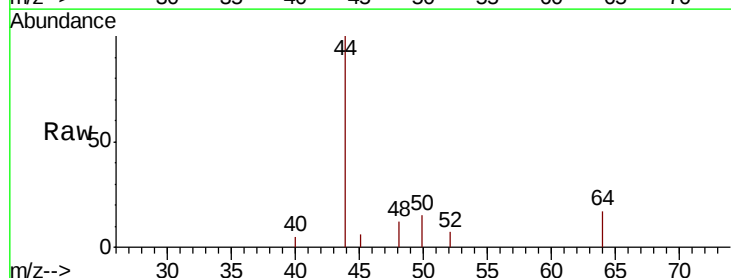
Acq: 28 Oct 2019 18:07

Tgt Ion: 50 Resp: 150

Ion Ratio Lower Upper

50 100

52 44.4 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

200

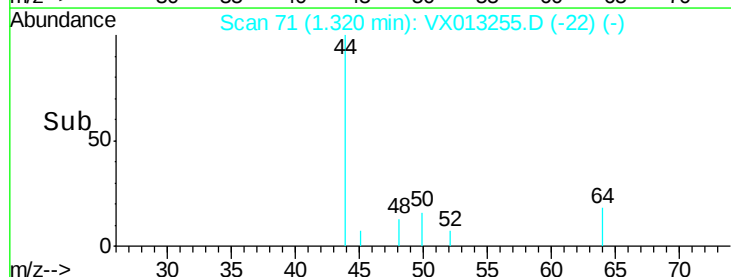
150

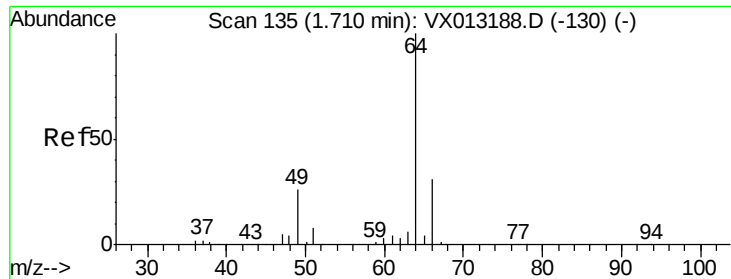
100

50

0

Time--> 1.30 1.32 1.34





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampled :

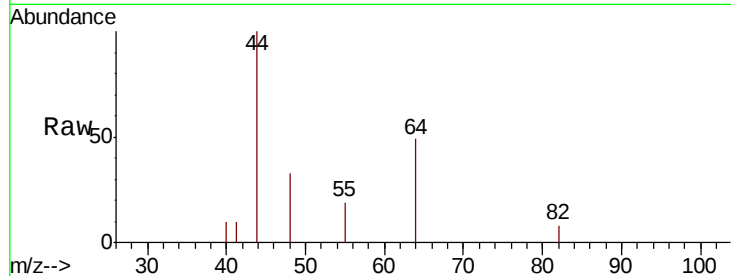
W-4

Tot Ion: 64 Resp: 112

Ion Ratio Lower Upper

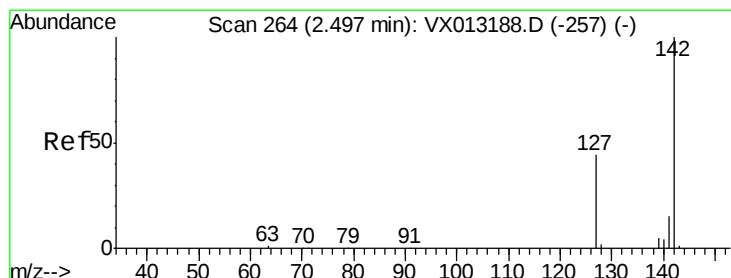
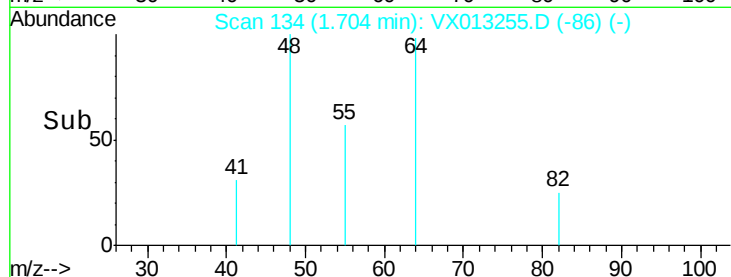
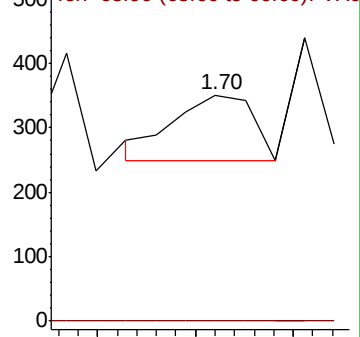
64 100

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



#10

Methyl Iodide

Concen: 3.567 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

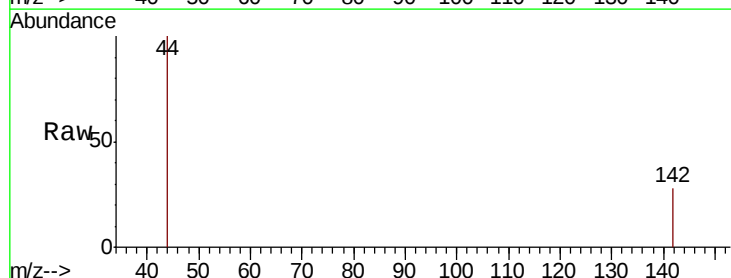
Tgt Ion: 142 Resp: 45

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

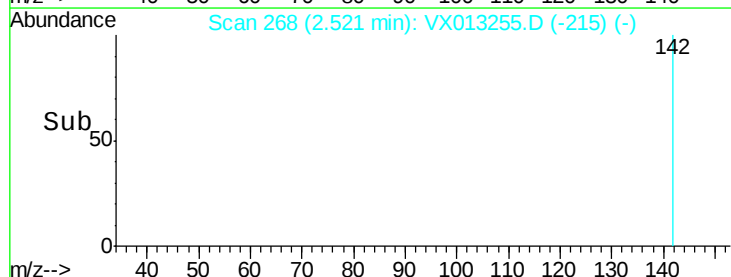
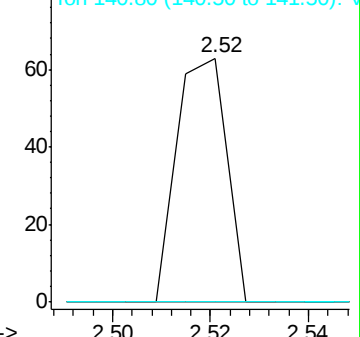
141 0.0 11.6 17.4#

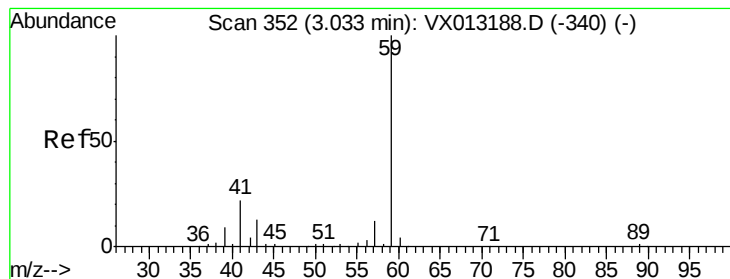


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



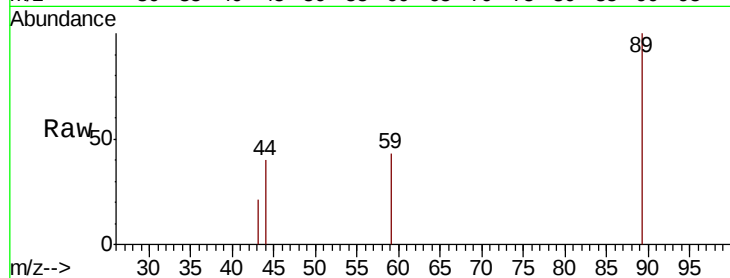


#11

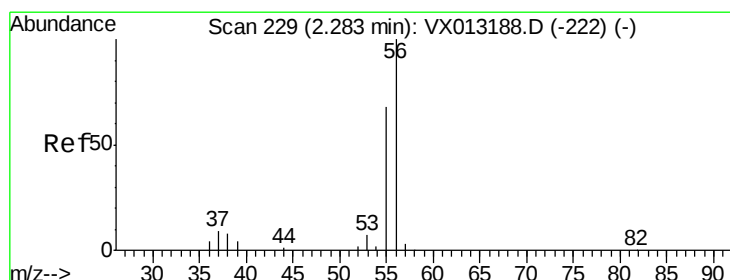
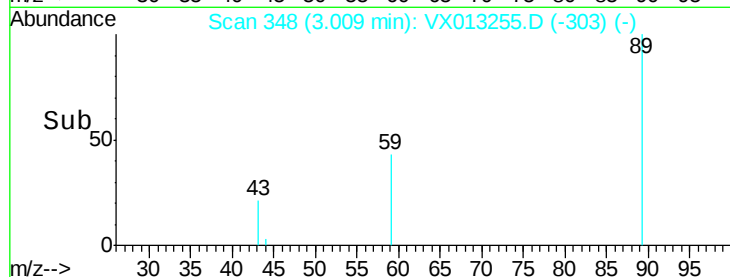
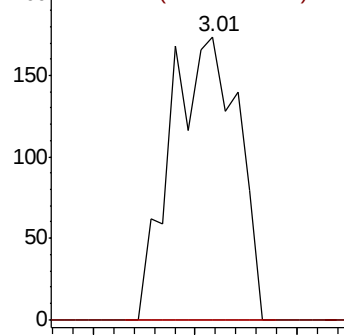
Tert butyl alcohol
 Concen: 0.204 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX013255.D
 Acq: 28 Oct 2019 18:07

Instrument :
 MSVOA_X
 ClientSampleId :
 W-4

Tot Ion: 59 Resp: 399
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



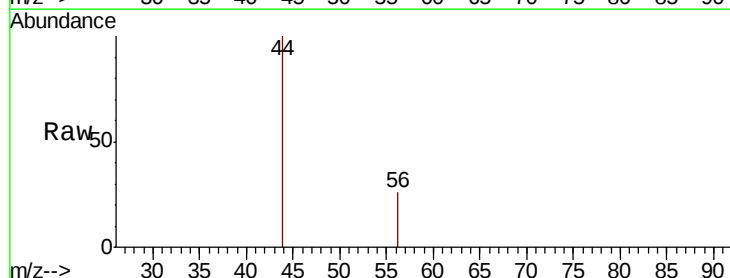
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



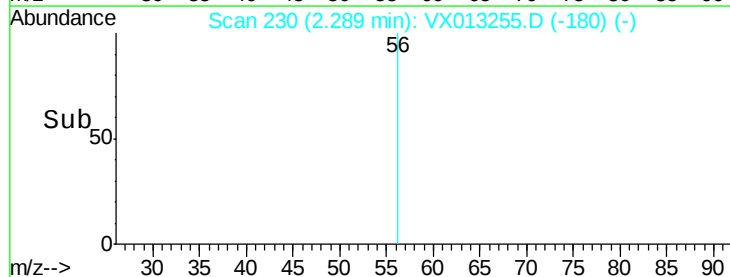
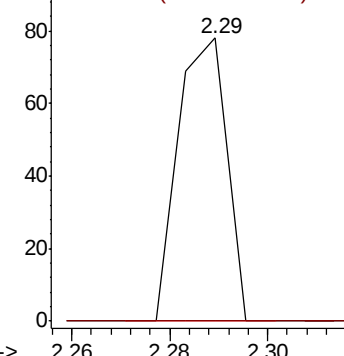
#13

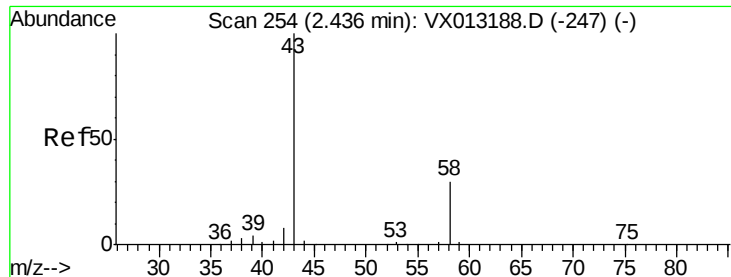
Acrolein
 Concen: 0.317 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX013255.D
 Acq: 28 Oct 2019 18:07

Tgt Ion: 56 Resp: 54
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.9 88.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.664 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

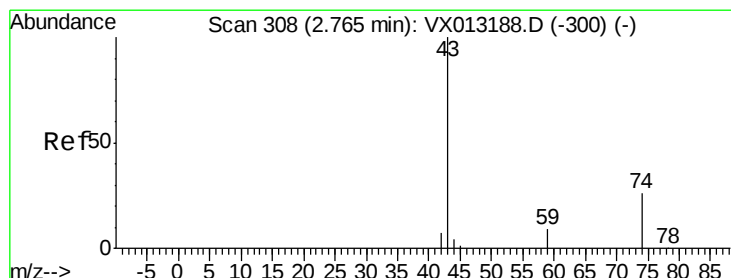
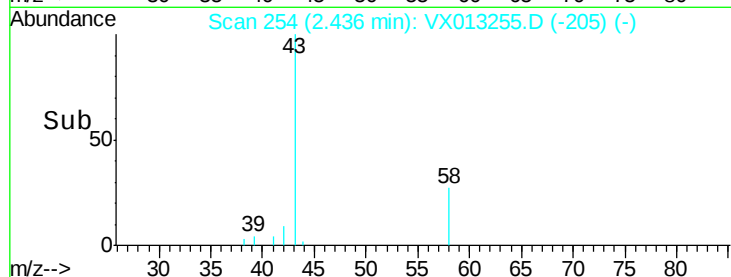
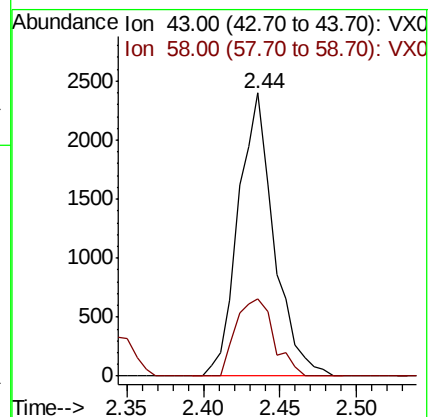
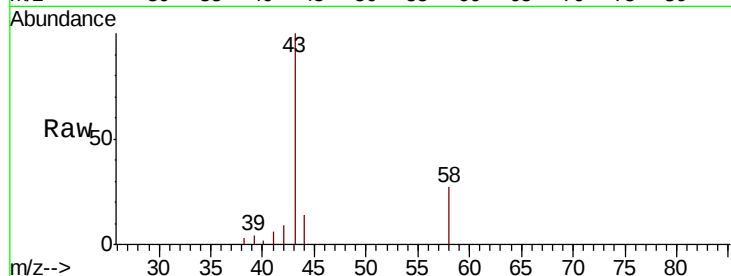
W-4

Tot Ion: 43 Resp: 3879

Ion Ratio Lower Upper

43 100

58 27.3 23.8 35.6



#18

Methyl Acetate

Concen: 0.988 ug/l

RT: 2.88 min Scan# 327

Delta R.T. 0.12 min

Lab File: VX013255.D

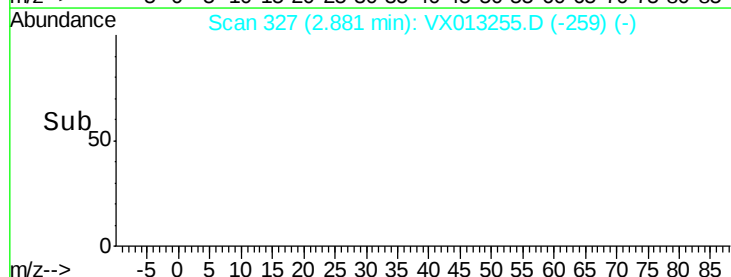
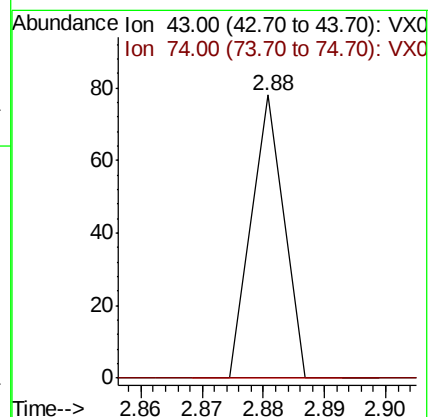
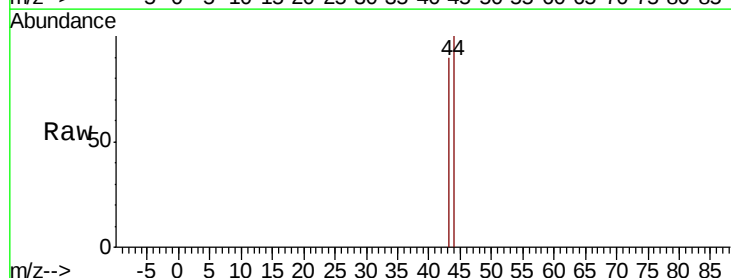
Acq: 28 Oct 2019 18:07

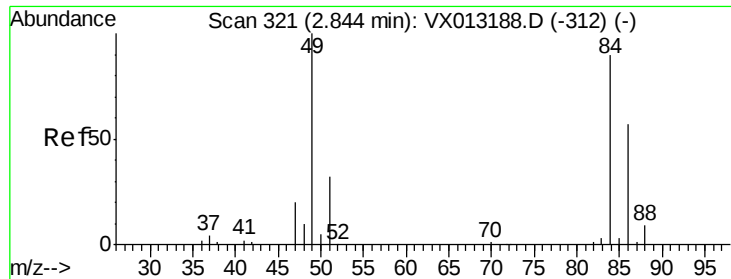
Tgt Ion: 43 Resp: 29

Ion Ratio Lower Upper

43 100

74 0.0 20.9 31.3#

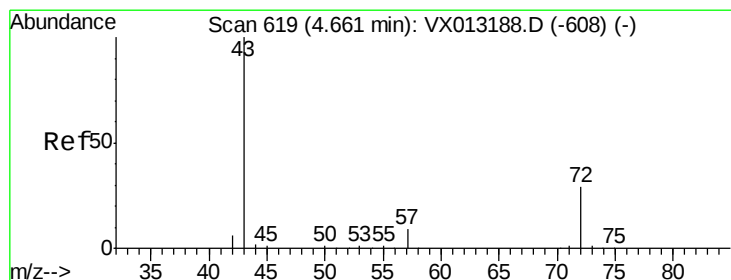
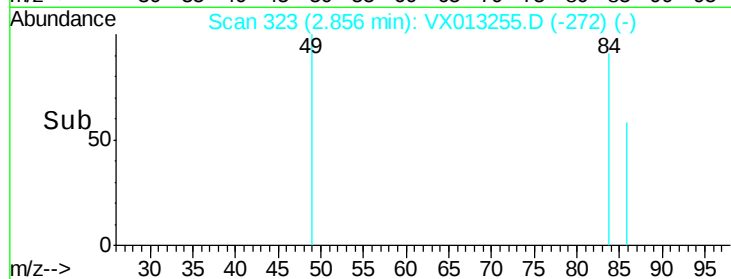
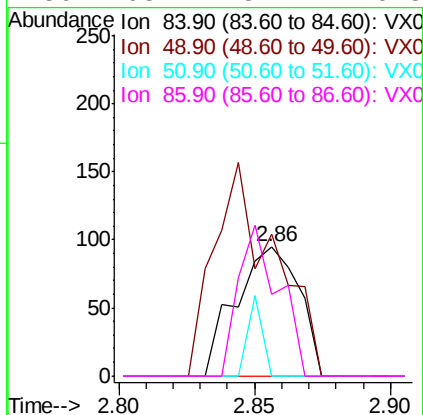
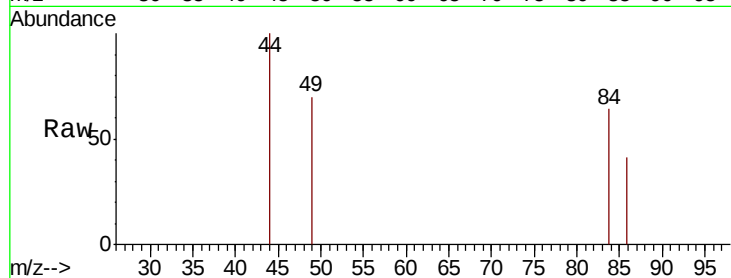




#20
Methvlene Chloride
Concen: 0.407 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013255.D
Acq: 28 Oct 2019 18:07

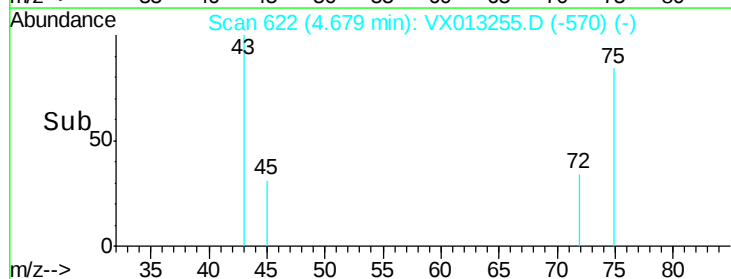
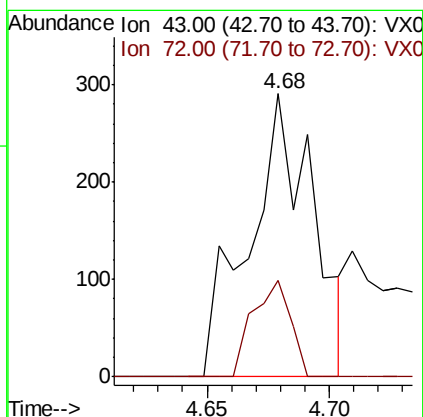
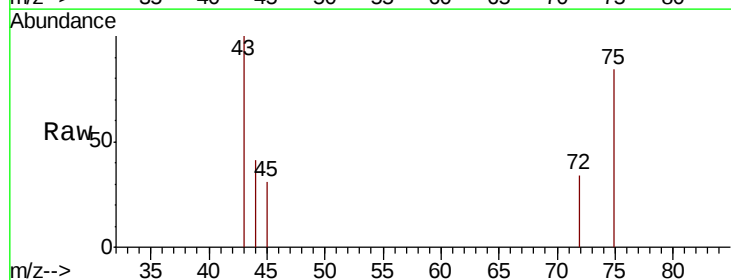
Instrument :
MSVOA_X
ClientSampled :
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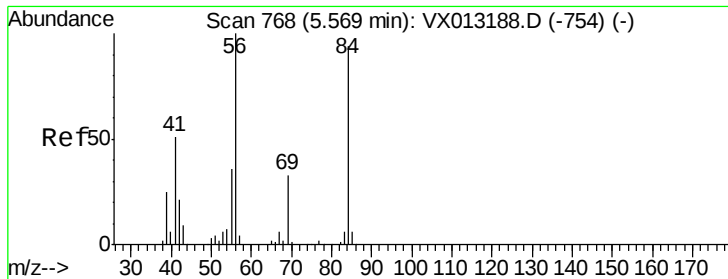
Tot Ion: 84 Resp: 153
Ion Ratio Lower Upper
84 100
49 109.5 89.2 133.8
51 0.0 28.8 43.2#
86 63.2 51.2 76.8



#25
2-Butanone
Concen: 0.579 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013255.D
Acq: 28 Oct 2019 18:07

Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
72 34.0 23.4 35.2

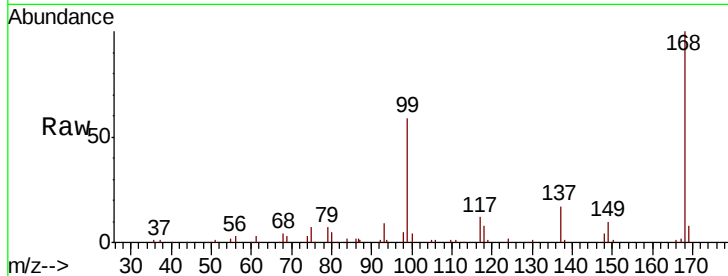




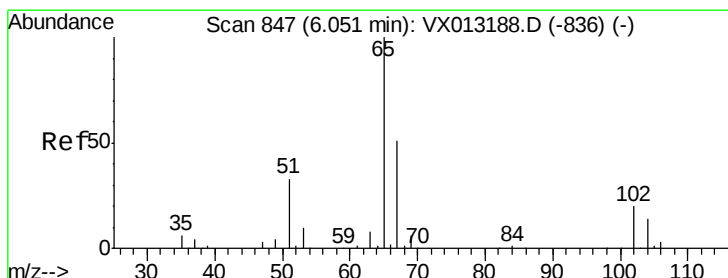
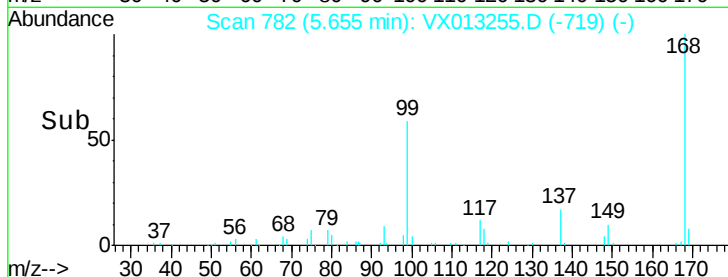
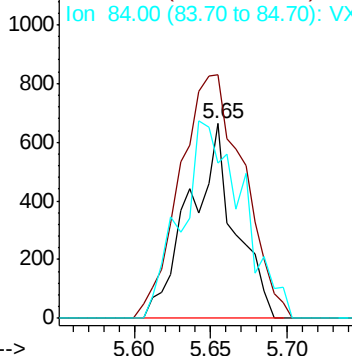
#31
Cyclohexane
Concen: 0.733 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013255.D
Acq: 28 Oct 2019 18:07

Instrument :
MSVOA_X
ClientSampled :
W-4

Tot Ion: 56 Resp: 1378
Ion Ratio Lower Upper
56 100
69 125.2 26.3 39.5#
84 79.6 73.8 110.6

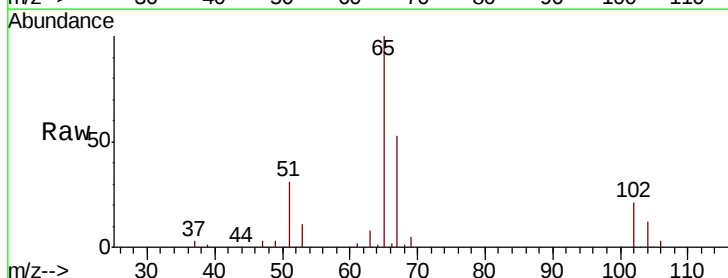


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

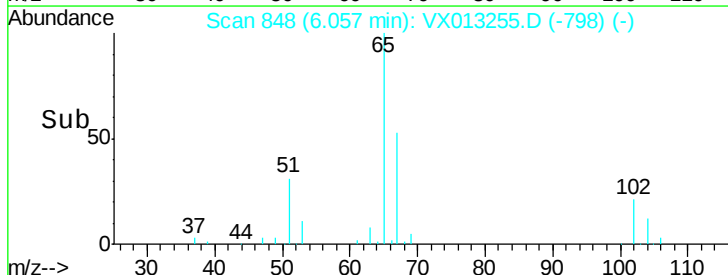
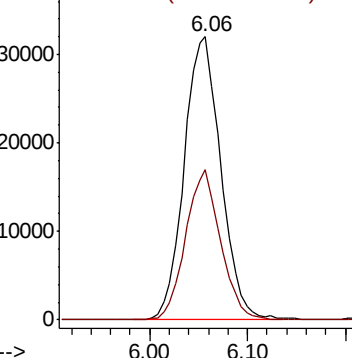


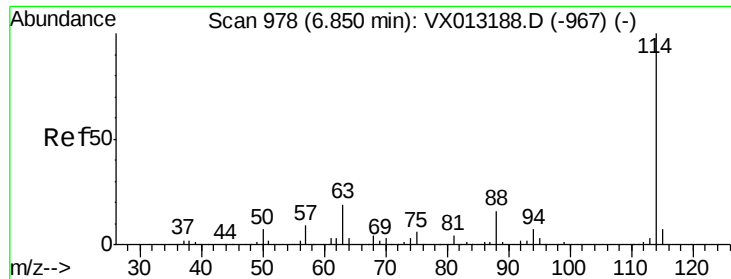
#33
1,2-Dichloroethane-d4
Concen: 57.281 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013255.D
Acq: 28 Oct 2019 18:07

Tgt Ion: 65 Resp: 83262
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

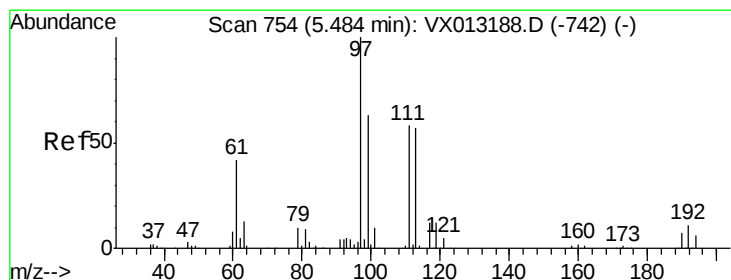
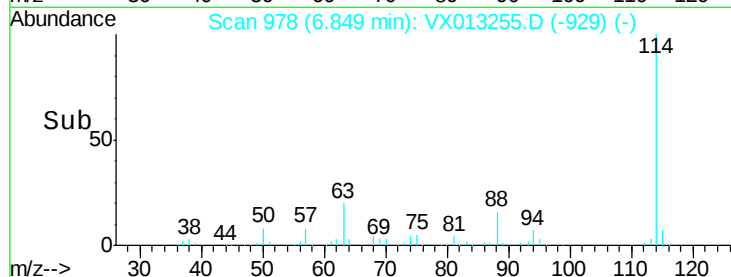
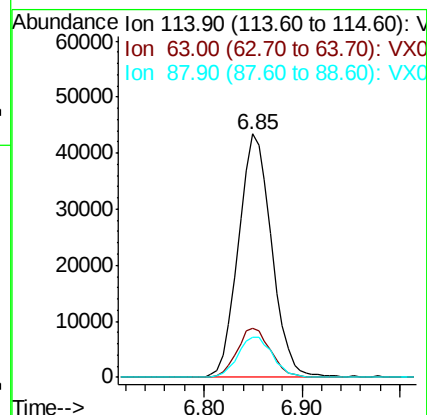
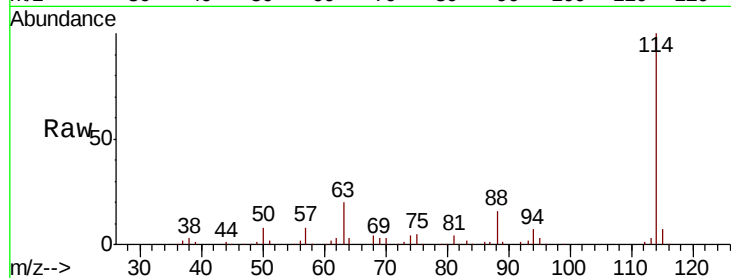




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013255.D
 Acq: 28 Oct 2019 18:07

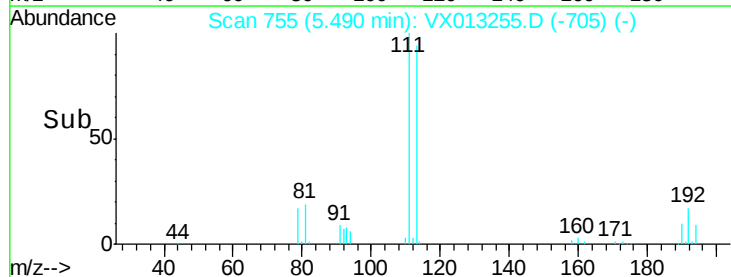
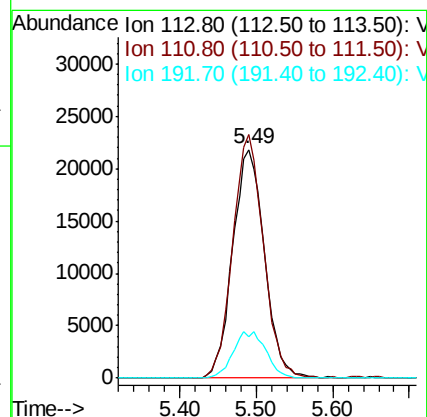
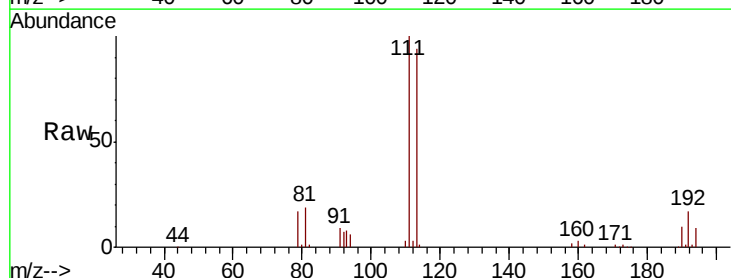
Instrument :
 MSVOA_X
 ClientSampleId :
 W-4

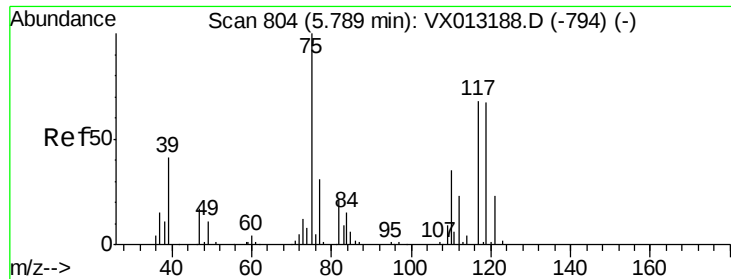
Tot Ion:114 Resp: 102192
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 16.4 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 55.094 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013255.D
 Acq: 28 Oct 2019 18:07

Tgt Ion:113 Resp: 62784
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.3 120.5
 192 21.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 3.036 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

W-4

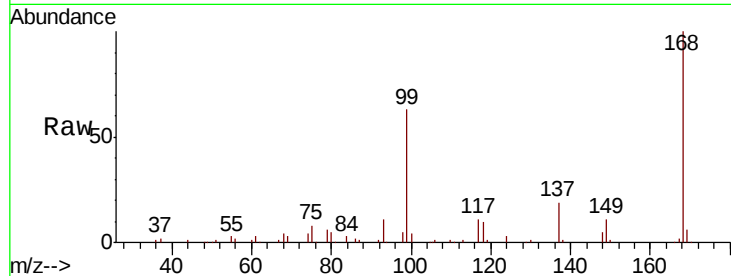
Tot Ion: 75 Resp: 5318

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

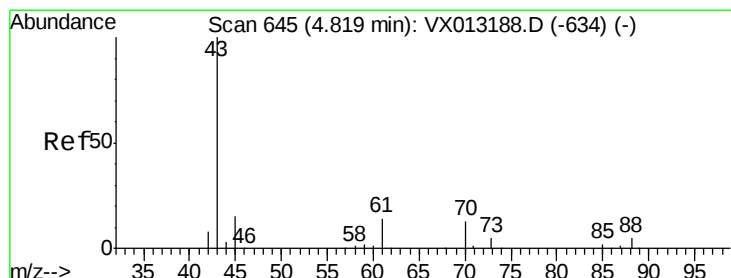
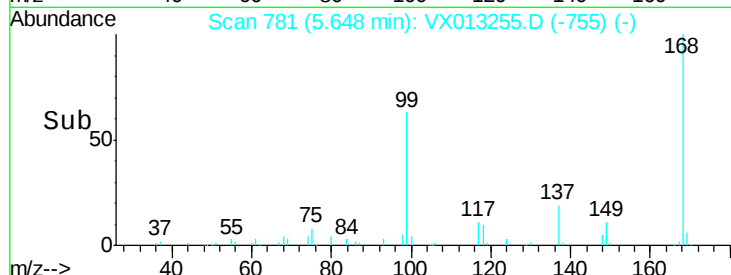
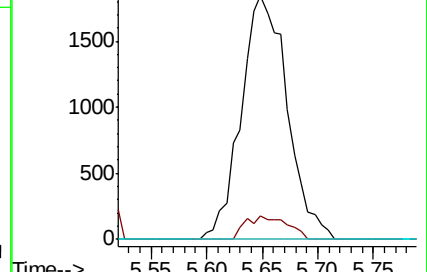
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.312 ug/l

RT: 4.68 min Scan# 622

Delta R.T. -0.14 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

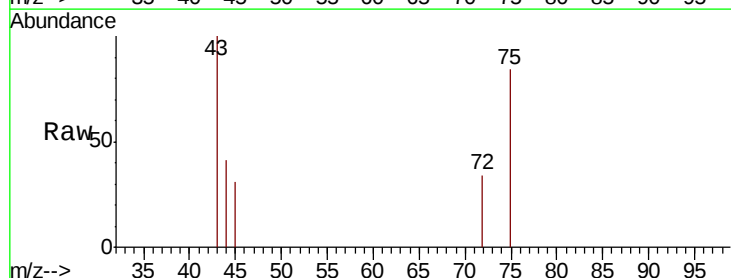
Tgt Ion: 43 Resp: 532

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

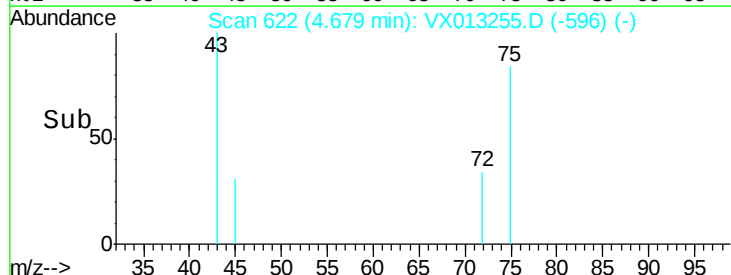
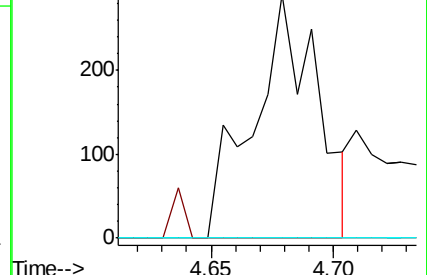
70 0.0 10.4 15.6#

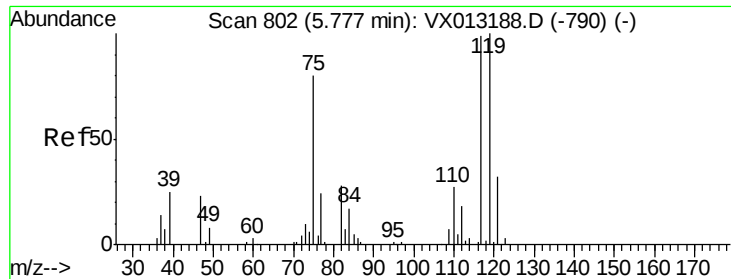


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

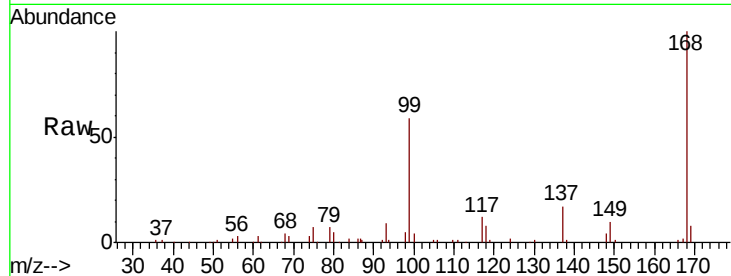




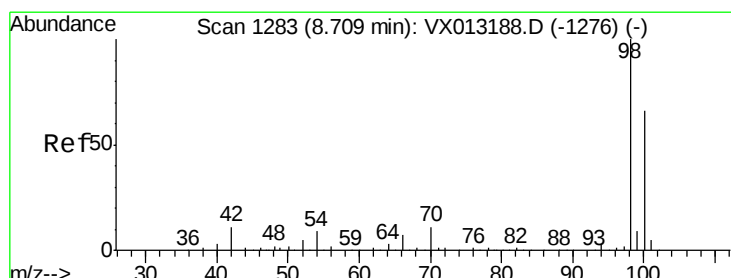
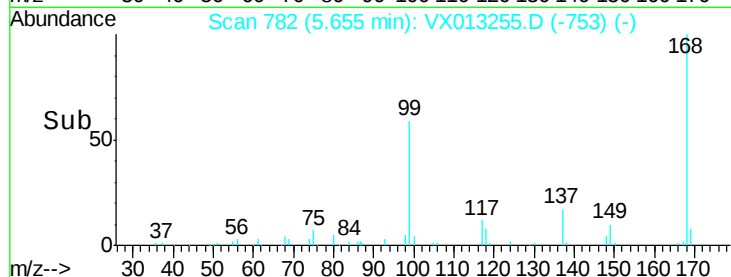
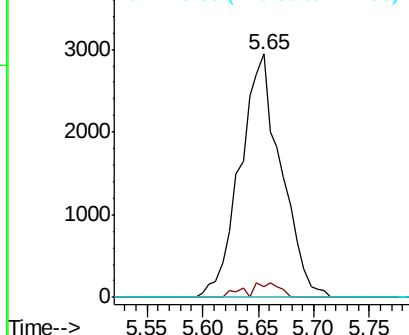
#38
Carbon Tetrachloride
Concen: 3.984 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013255.D
Acq: 28 Oct 2019 18:07

Instrument :
MSVOA_X
ClientSampleId :
W-4

Tot Ion:117 Resp: 7526
Ion Ratio Lower Upper
117 100
119 4.6 80.1 120.1#
121 0.0 25.5 38.3#

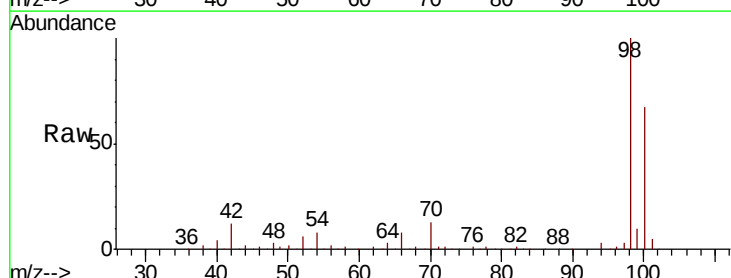


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

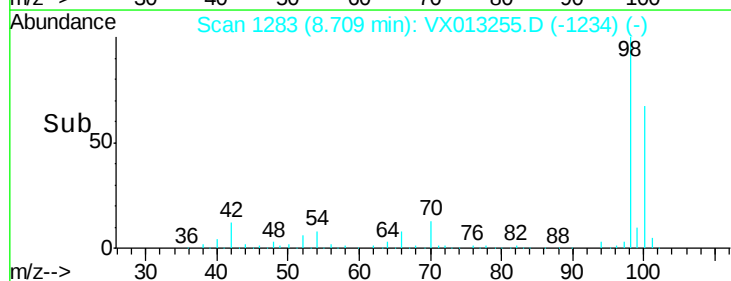
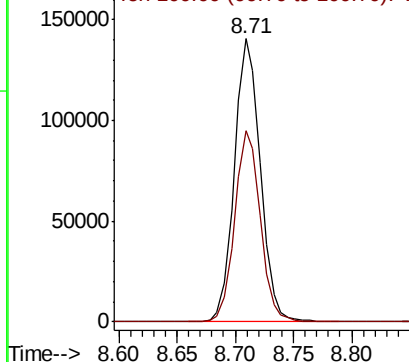


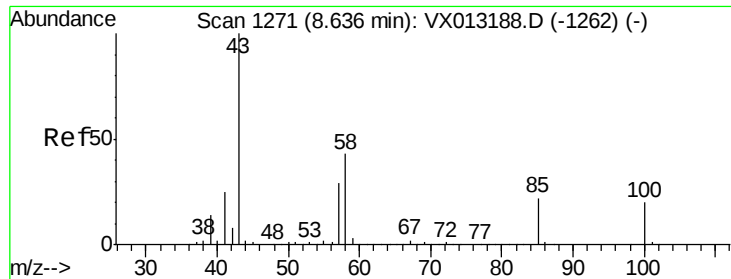
#50
Toluene-d8
Concen: 51.754 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013255.D
Acq: 28 Oct 2019 18:07

Tgt Ion: 98 Resp: 218568
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.508 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampled :

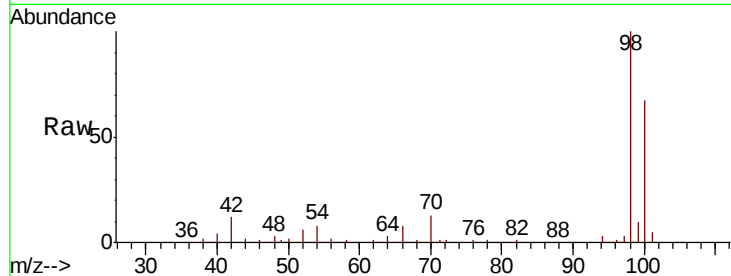
W-4

Tot Ion: 43 Resp: 875

Ion Ratio Lower Upper

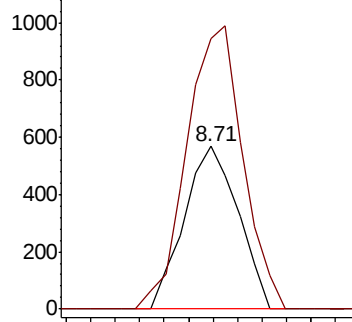
43 100

58 180.1 33.9 50.9#

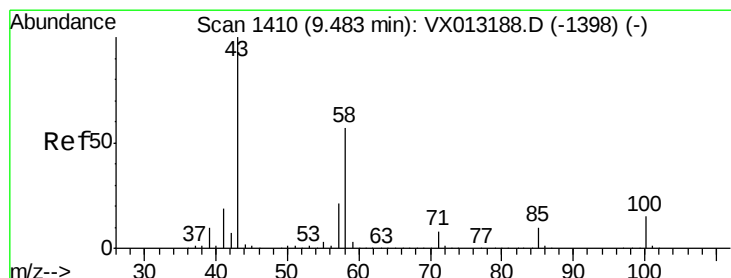
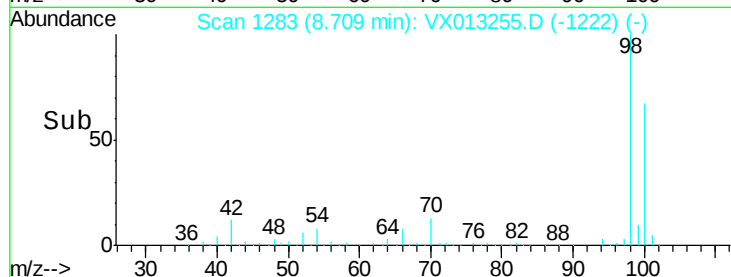


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.65 8.70 8.75



#59

2-Hexanone

Concen: 0.291 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.10 min

Lab File: VX013255.D

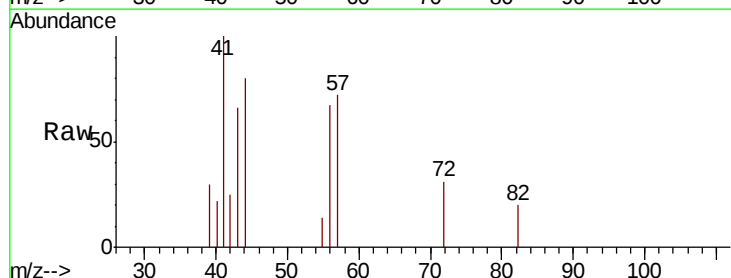
Acq: 28 Oct 2019 18:07

Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

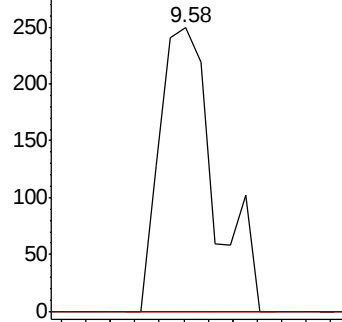
43 100

58 0.0 28.2 84.7#

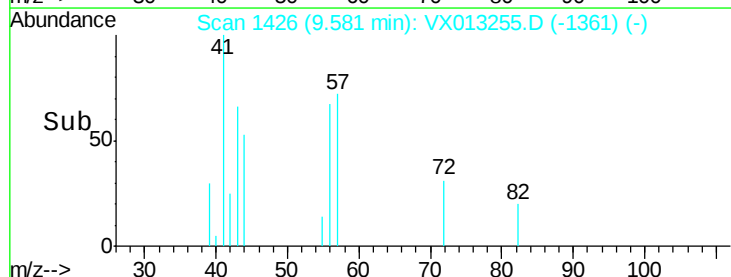


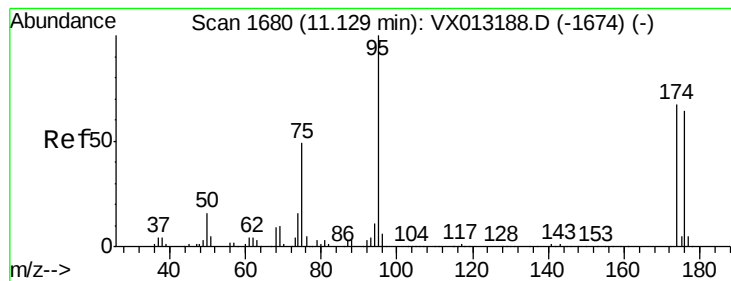
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 9.55 9.60





#62

4-Bromofluorobenzene

Concen: 47.970 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

W-4

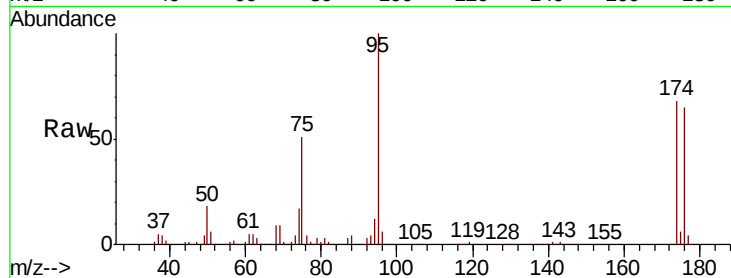
Tot Ion: 95 Resp: 80184

Ion Ratio Lower Upper

95 100

174 79.3 0.0 152.4

176 75.3 0.0 146.0

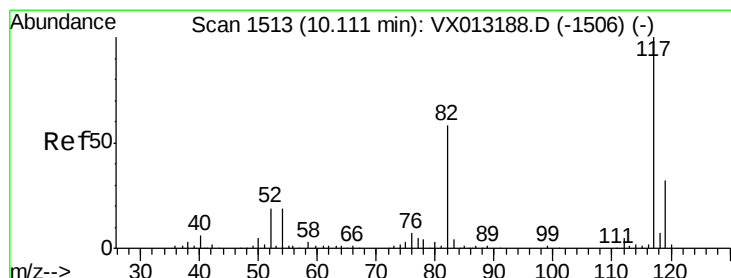
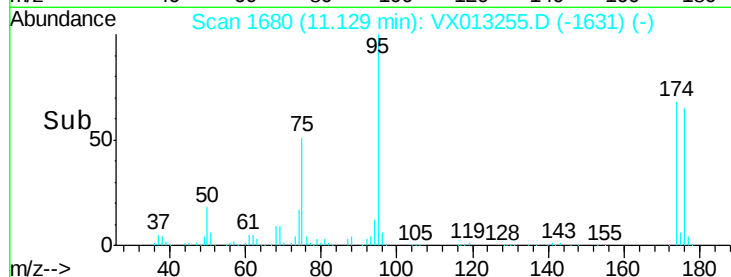


Abundance Ion 94.90 (94.60 to 95.60): VX013188.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013188.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013188.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

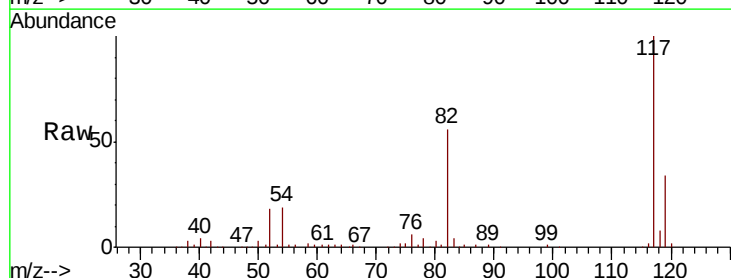
Tgt Ion: 117 Resp: 99576

Ion Ratio Lower Upper

117 100

82 56.4 46.5 69.7

119 33.8 25.2 37.8

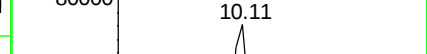
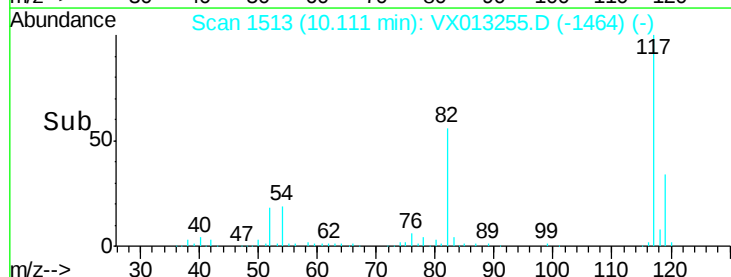


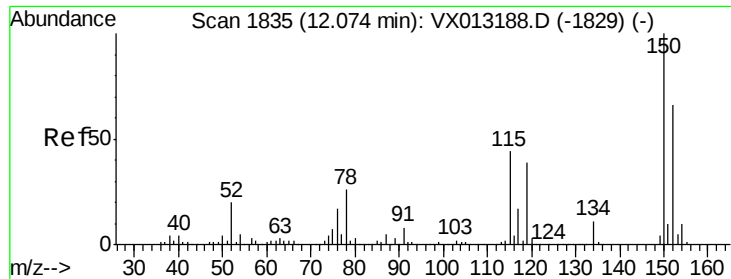
Abundance Ion 116.90 (116.60 to 117.60): VX013188.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX013188.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX013188.D (-1506) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampled :

W-4

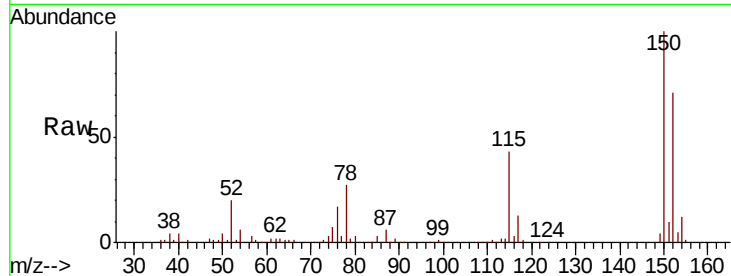
Tot Ion:152 Resp: 65318

Ion Ratio Lower Upper

152 100

115 58.5 46.6 139.8

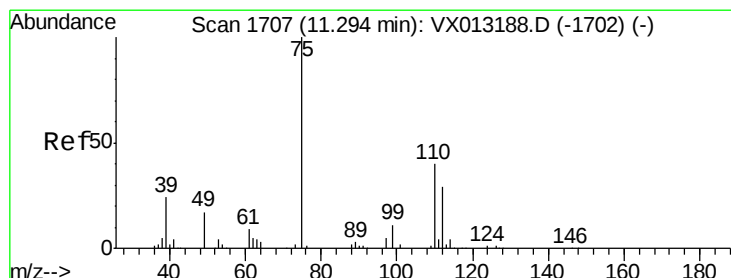
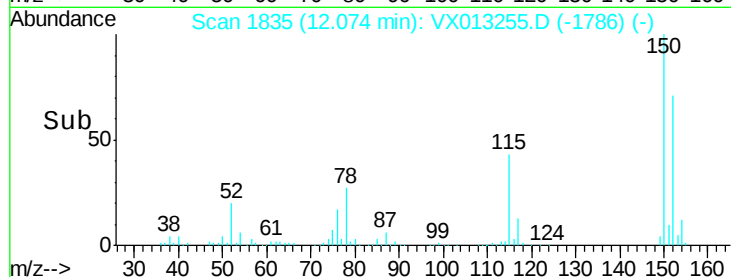
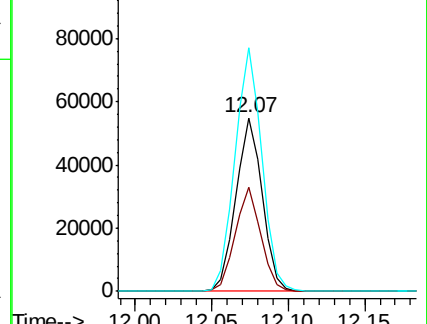
150 143.6 0.0 354.0



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



#76

1,2,3-Trichloropropane

Concen: 26.889 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013255.D

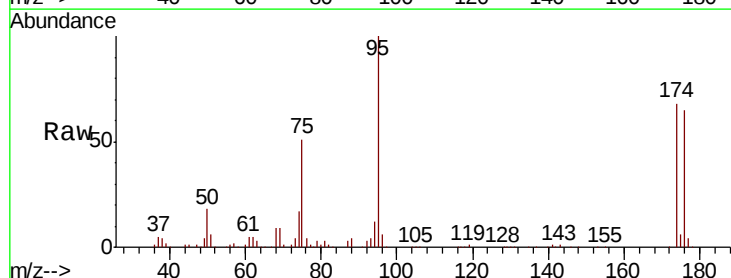
Acq: 28 Oct 2019 18:07

Tgt Ion: 75 Resp: 42330

Ion Ratio Lower Upper

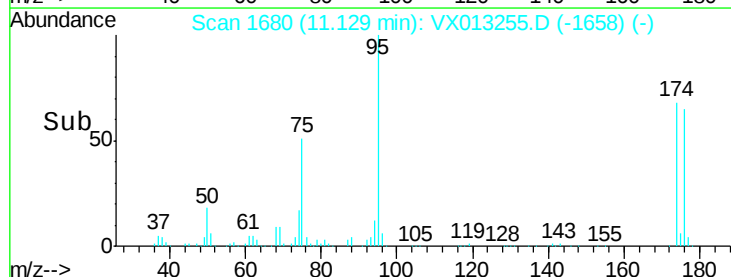
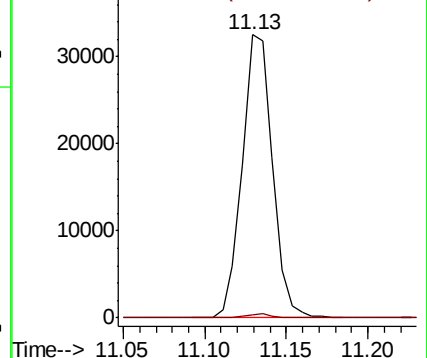
75 100

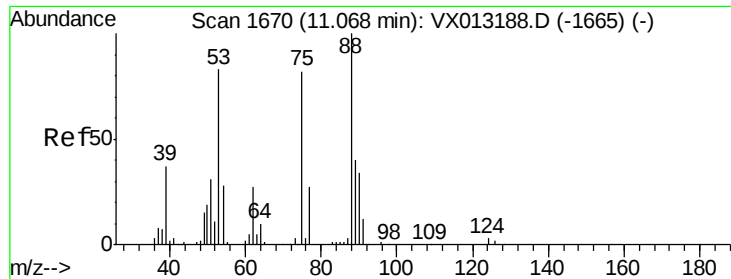
77 1.2 19.1 57.5#



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: 73.888 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013255.D

Acq: 28 Oct 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

W-4

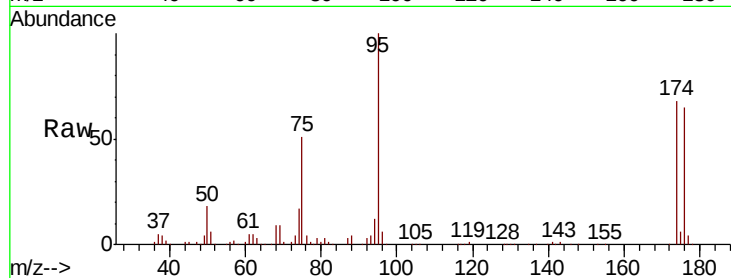
Tot Ion: 75 Resp: 42330

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

