

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\NOT REVIEWED DATA\
 Data File : VX013252.D
 Acq On : 28 Oct 2019 16:57
 Operator : JC/SP
 Sample : K5575-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-1

Quant Time: Oct 29 19:23:18 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	68539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	100857	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	100235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	64062	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	80878	56.42	ug/l	0.00
Spiked Amount			Recovery	=	112.84%	
35) Dibromofluoromethane	5.49	113	60888	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
50) Toluene-d8	8.71	98	217846	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	11.14	95	81370	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	

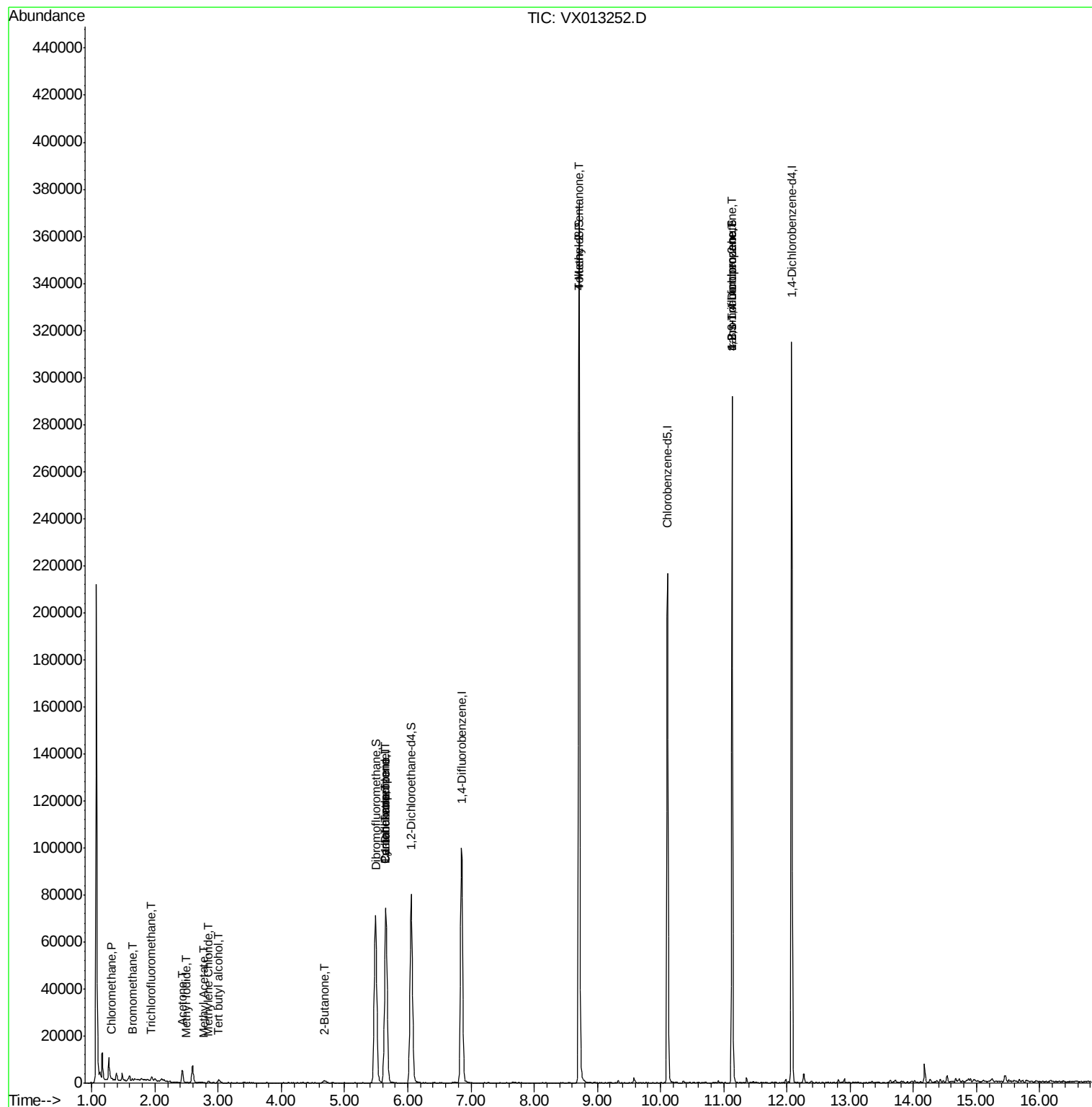
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	316	1.249	ug/l #	67
5) Bromomethane	1.65	94	285	0.432	ug/l	99
6) Chloroethane	1.74	64	260	Below Cal	#	43
7) Trichlorofluoromethane	1.93	101	25	0.311	ug/l #	17
10) Methyl Iodide	2.50	142	267	3.702	ug/l #	49
11) Tert butyl alcohol	3.00	59	472	0.457	ug/l #	72
16) Acetone	2.43	43	5843	8.652	ug/l	90
18) Methyl Acetate	2.76	43	149	1.068	ug/l #	49
20) Methylene Chloride	2.85	84	514	0.693	ug/l #	63
25) 2-Butanone	4.67	43	340	0.375	ug/l #	45
31) Cyclohexane	5.65	56	1548	0.835	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	5141	2.973	ug/l #	51
38) Carbon Tetrachloride	5.65	117	7535	4.042	ug/l #	13
51) 4-Methyl-2-Pentanone	8.70	43	1011	0.594	ug/l #	1
64) Tetrachloroethene	9.34	164	42	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	41453	26.848	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	41453	73.776	ug/l #	10

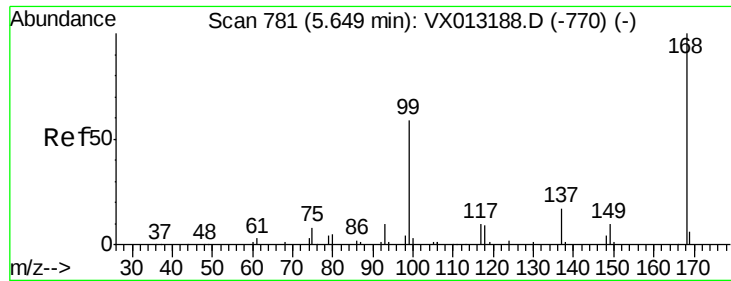
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. -0.00 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

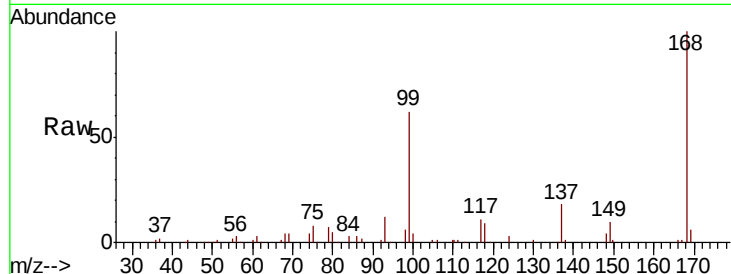
W-1

Tot Ion:168 Resp: 68539

Ion Ratio Lower Upper

168 100

99 61.8 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

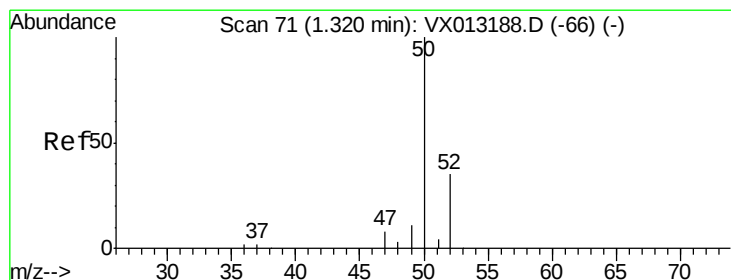
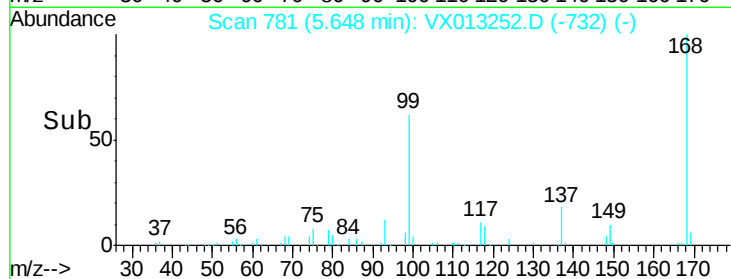
10000

5000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.249 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013252.D

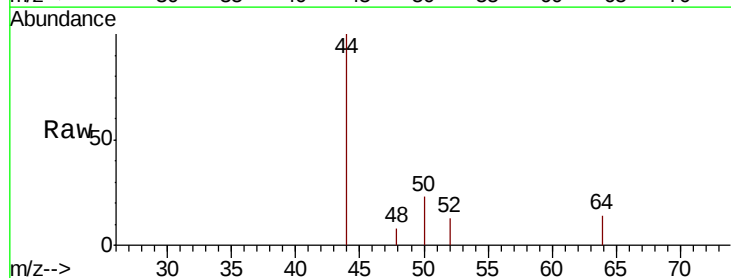
Acq: 28 Oct 2019 16:57

Tgt Ion: 50 Resp: 316

Ion Ratio Lower Upper

50 100

52 54.0 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

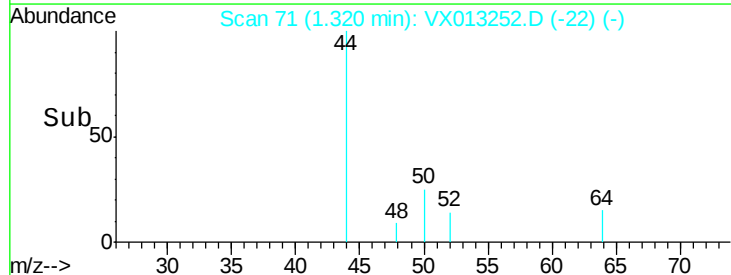
200

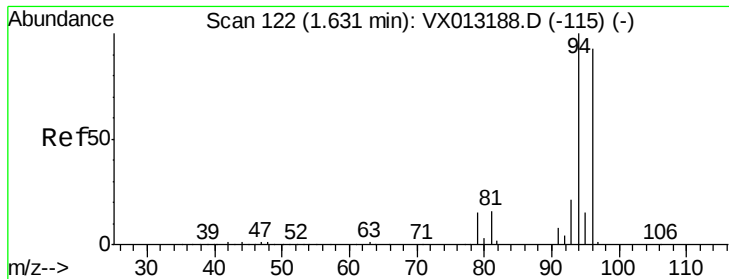
100

0

Time-->

1.28 1.30 1.32 1.34





#5

Bromomethane

Concen: 0.432 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

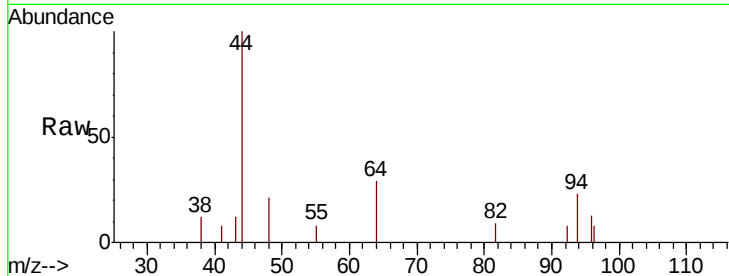
W-1

Tot Ion: 94 Resp: 285

Ion Ratio Lower Upper

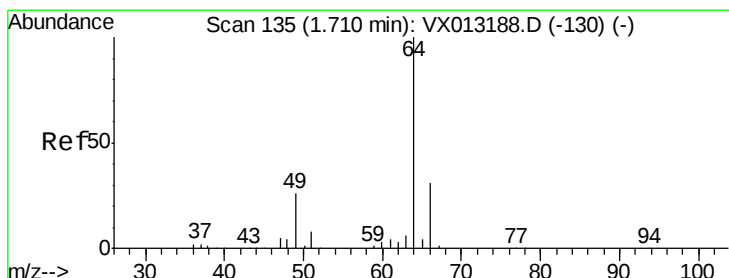
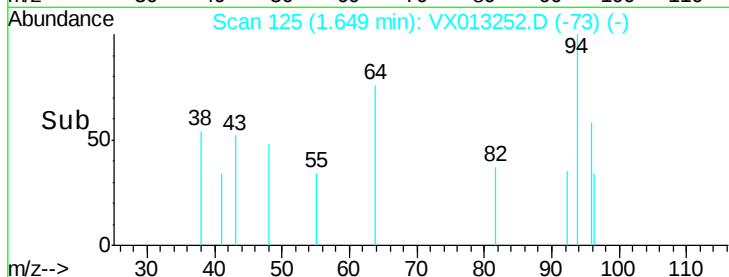
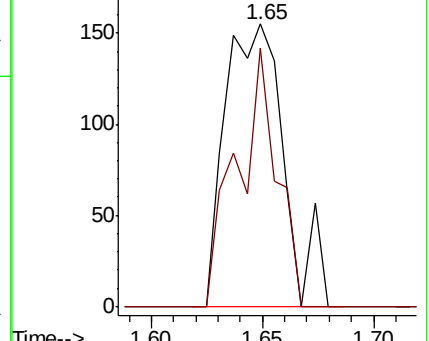
94 100

96 91.6 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: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX013252.D

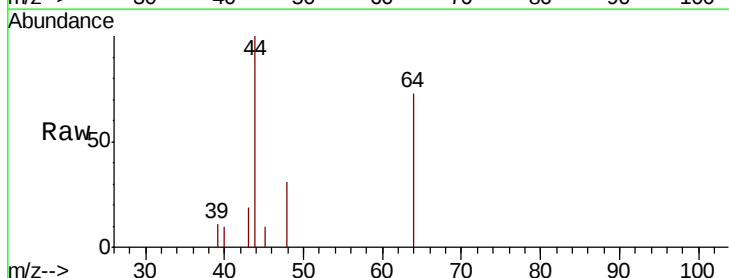
Acq: 28 Oct 2019 16:57

Tgt Ion: 64 Resp: 260

Ion Ratio Lower Upper

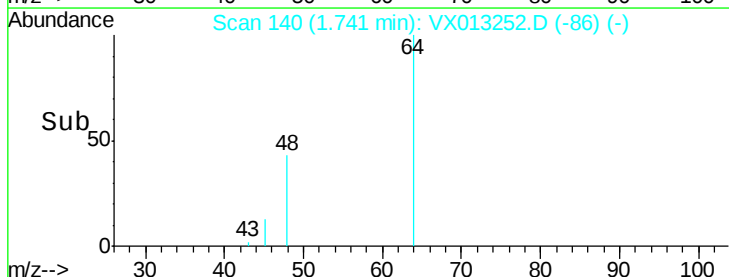
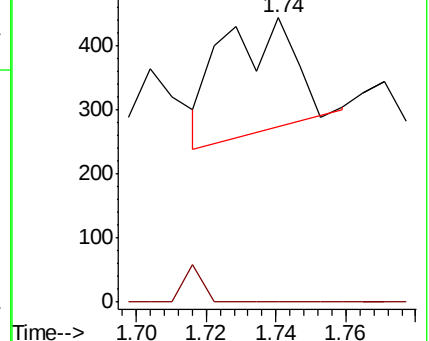
64 100

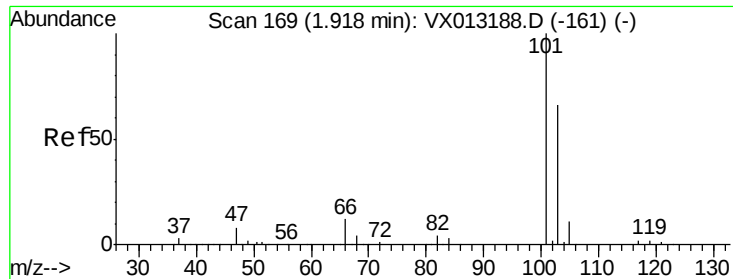
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



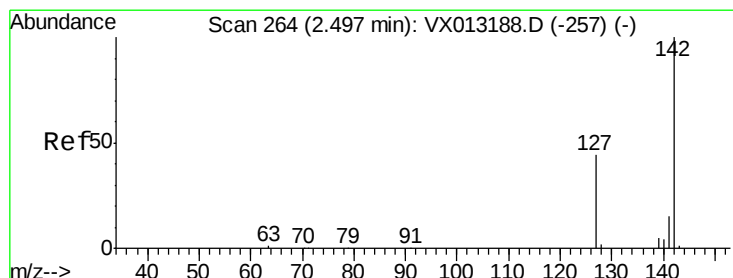
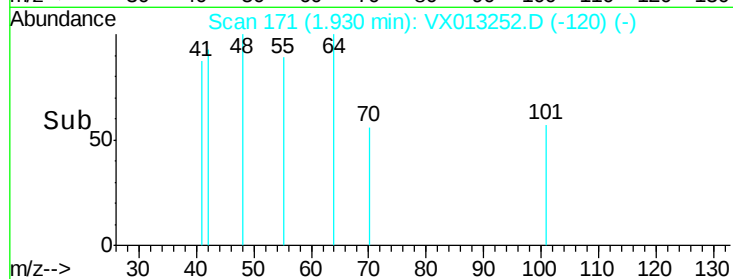
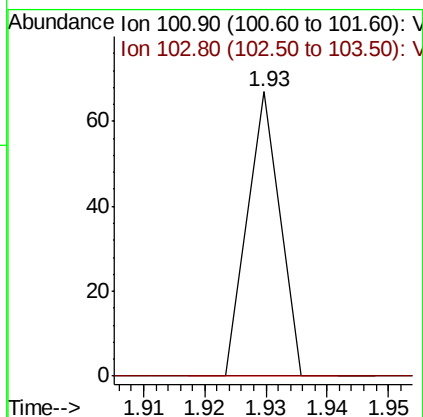
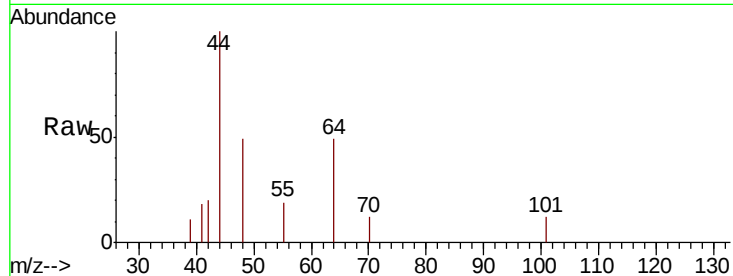


#7

Trichlorofluoromethane
 Concen: 0.311 ug/l
 RT: 1.93 min Scan# 171
 Delta R.T. 0.01 min
 Lab File: VX013252.D
 Acq: 28 Oct 2019 16:57

Instrument :
 MSVOA_X
 ClientSampled :
 W-1

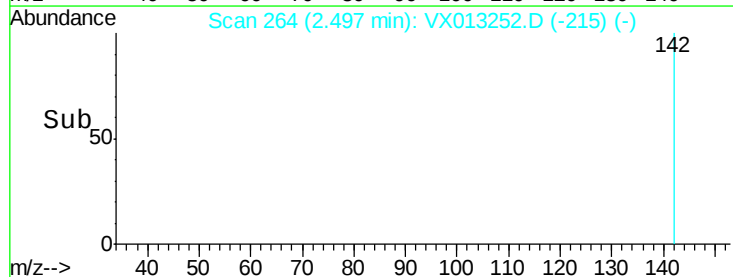
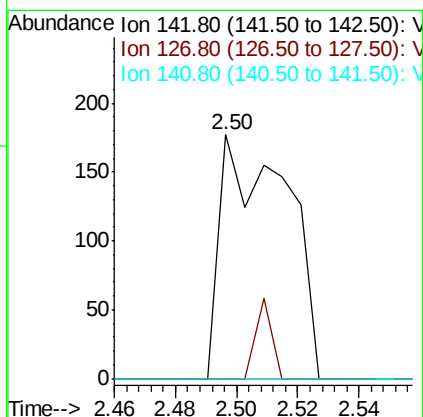
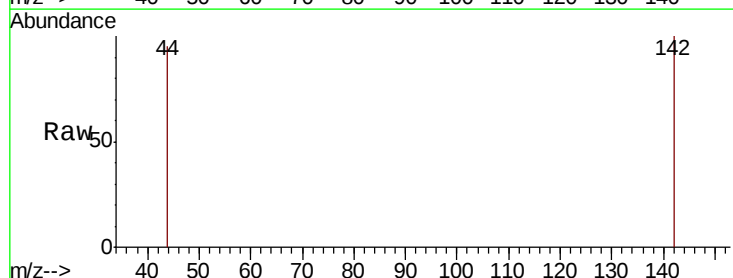
Tot Ion:101 Resp: 25
 Ion Ratio Lower Upper
 101 100
 103 0.0 53.0 79.6#

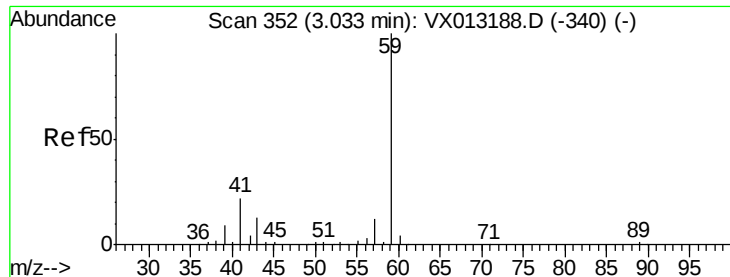


#10

Methyl Iodide
 Concen: 3.702 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX013252.D
 Acq: 28 Oct 2019 16:57

Tgt Ion:142 Resp: 267
 Ion Ratio Lower Upper
 142 100
 127 7.9 35.6 53.4#
 141 0.0 11.6 17.4#

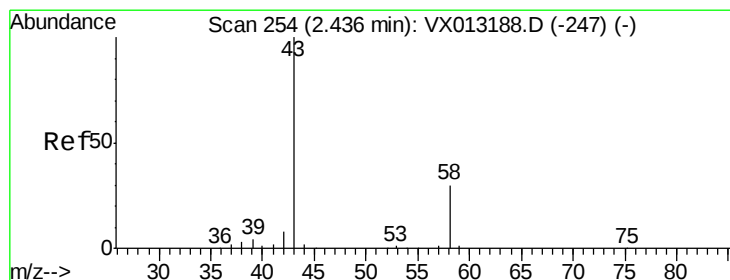
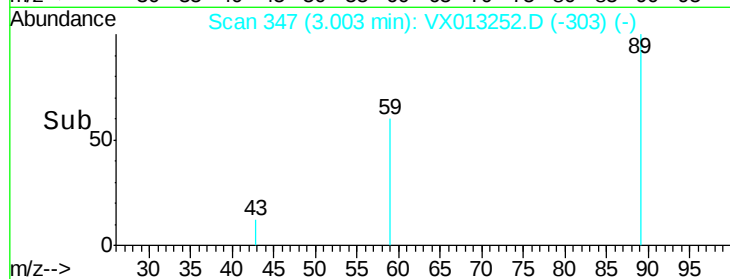
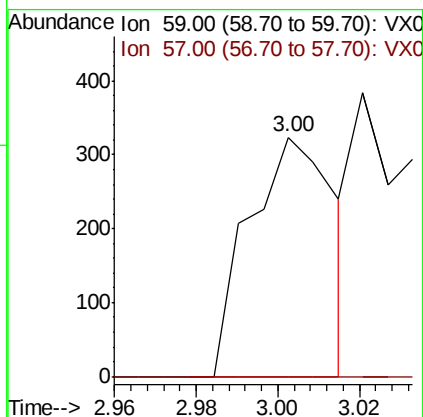
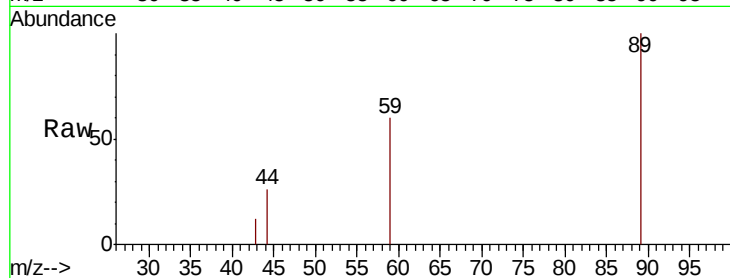




#11
Tert butyl alcohol
Concen: 0.457 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013252.D
Acq: 28 Oct 2019 16:57

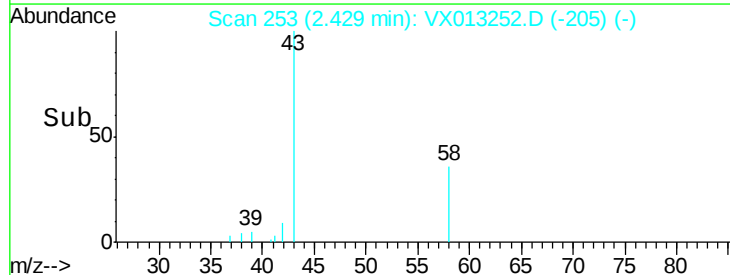
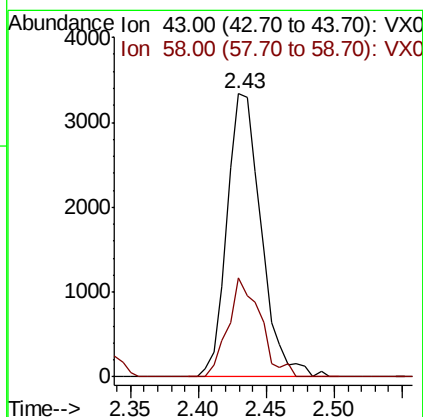
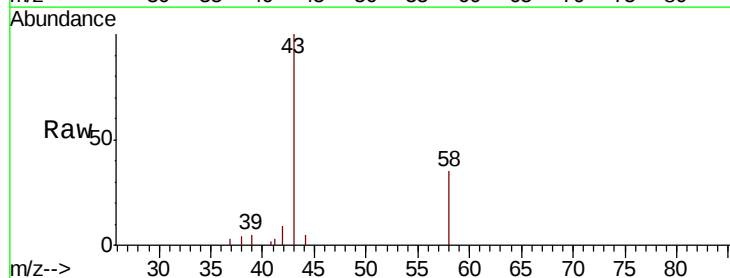
Instrument :
MSVOA_X
ClientSampled :
W-1

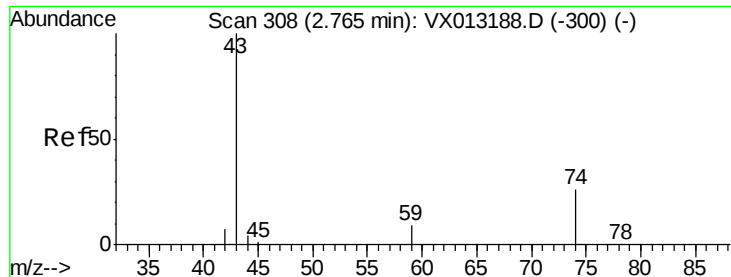
Tot Ion: 59 Resp: 472
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 8.652 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX013252.D
Acq: 28 Oct 2019 16:57

Tgt Ion: 43 Resp: 5843
Ion Ratio Lower Upper
43 100
58 34.9 23.8 35.6





#18

Methyl Acetate

Concen: 1.068 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

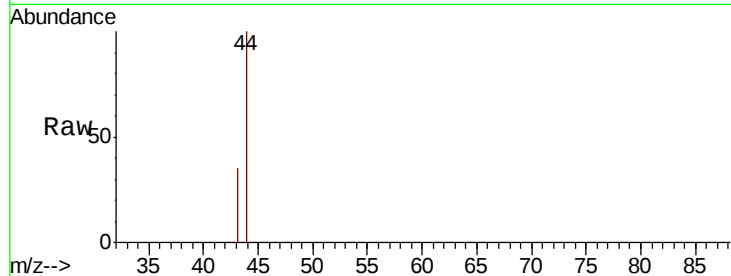
W-1

Tot Ion: 43 Resp: 149

Ion Ratio Lower Upper

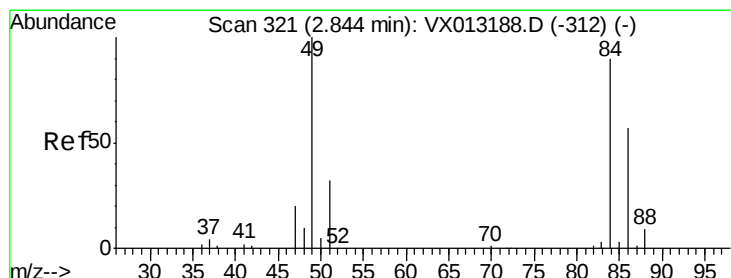
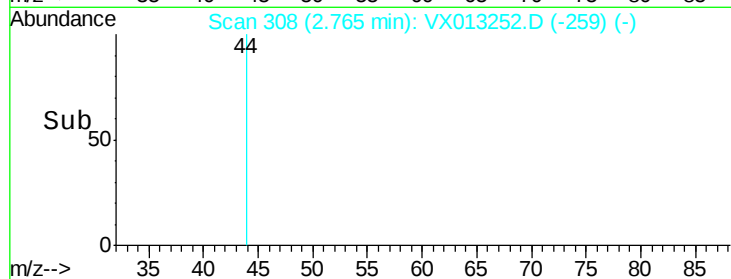
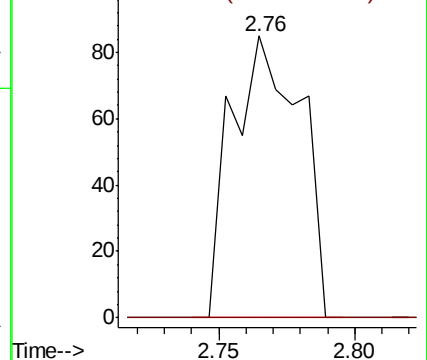
43 100

74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.693 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Tgt Ion: 84 Resp: 514

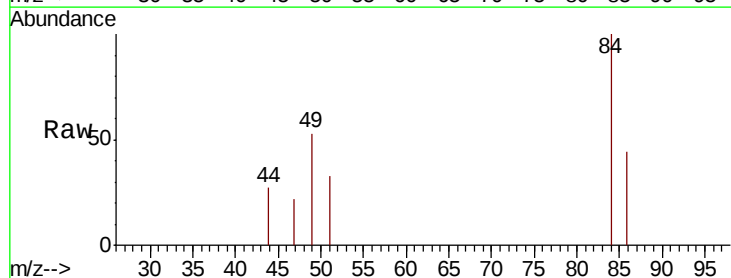
Ion Ratio Lower Upper

84 100

49 53.2 89.2 133.8#

51 33.3 28.8 43.2

86 44.1 51.2 76.8#

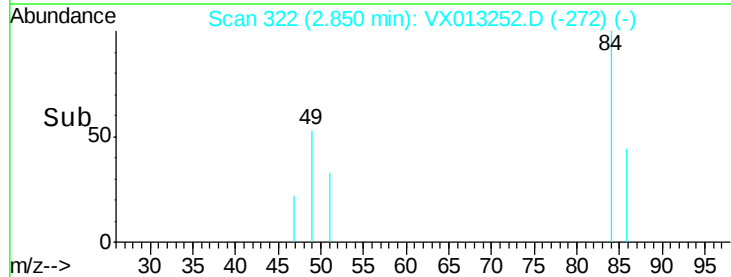
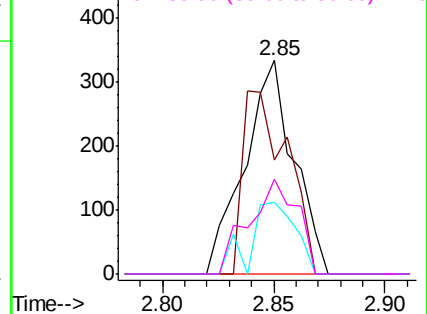


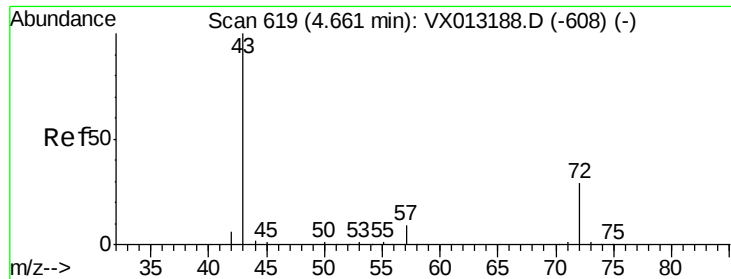
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.375 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

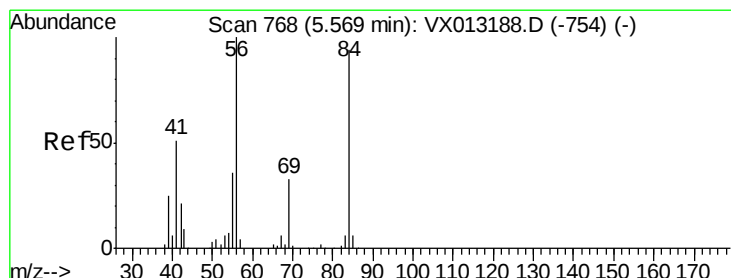
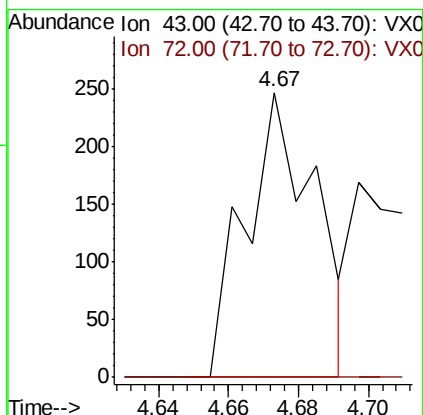
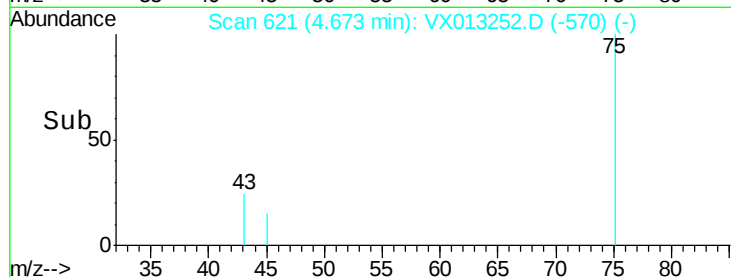
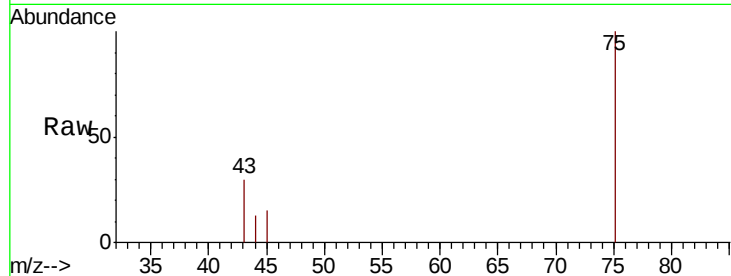
W-1

Tot Ion: 43 Resp: 340

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



#31

Cyclohexane

Concen: 0.835 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

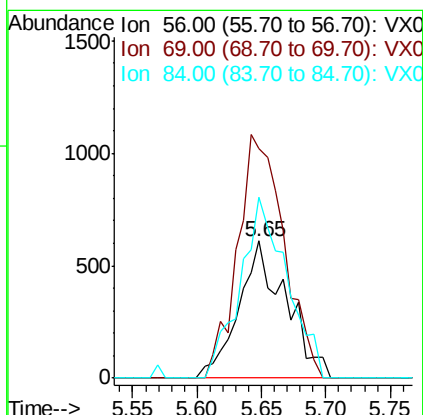
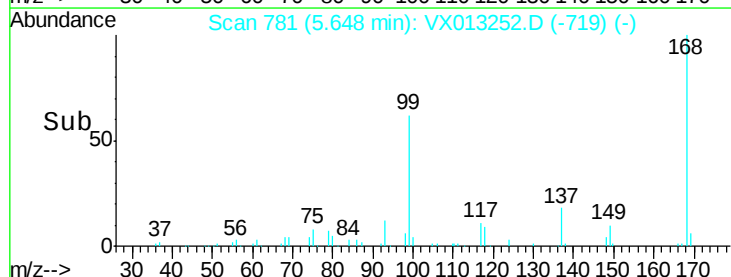
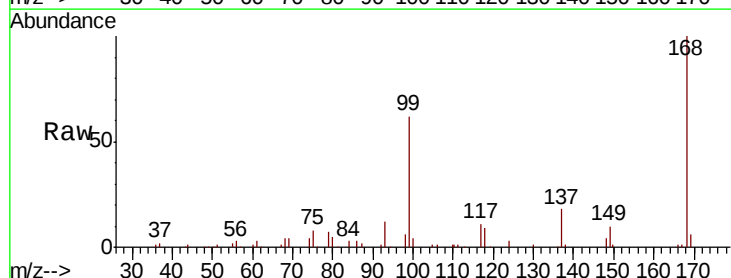
Tgt Ion: 56 Resp: 1548

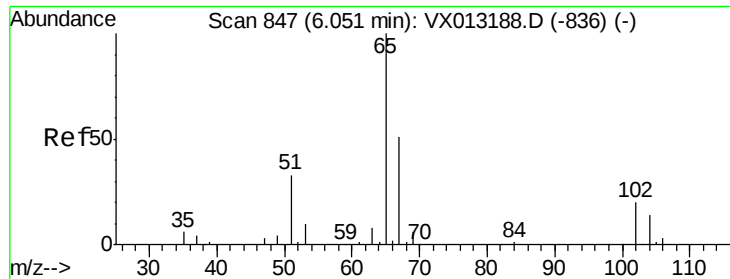
Ion Ratio Lower Upper

56 100

69 166.8 26.3 39.5#

84 131.8 73.8 110.6#





#33

1,2-Dichloroethane-d4

Concen: 56.419 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

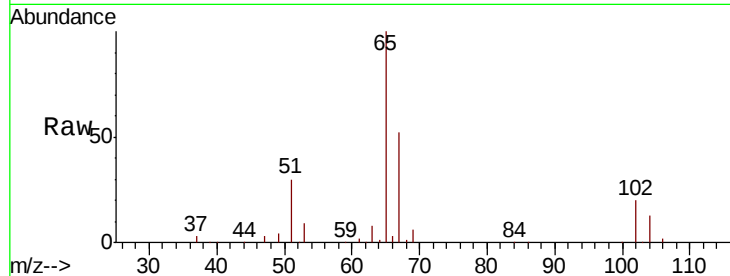
W-1

Tot Ion: 65 Resp: 80878

Ion Ratio Lower Upper

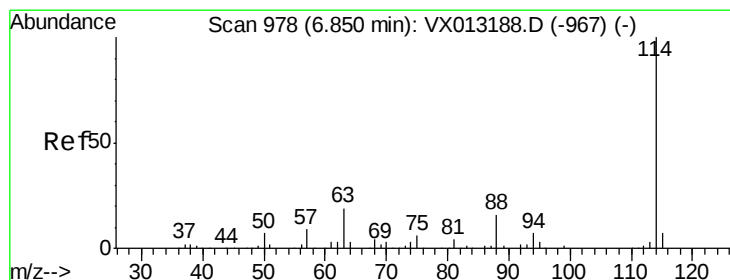
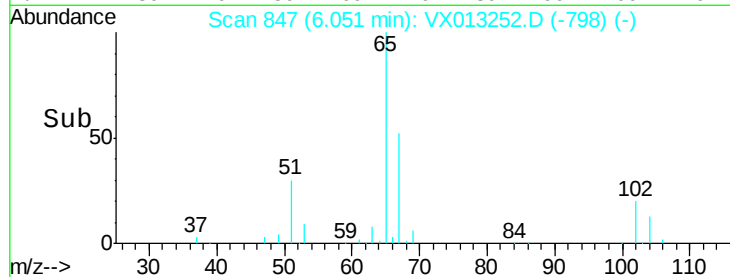
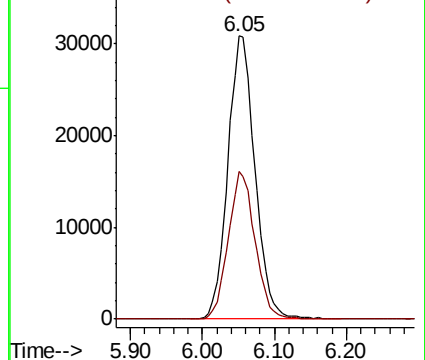
65 100

67 51.3 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: VX013252.D

Acq: 28 Oct 2019 16:57

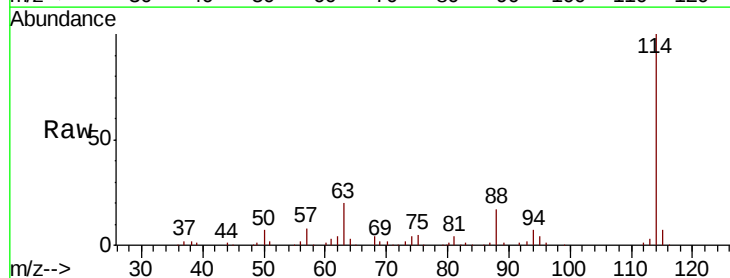
Tgt Ion: 114 Resp: 100857

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

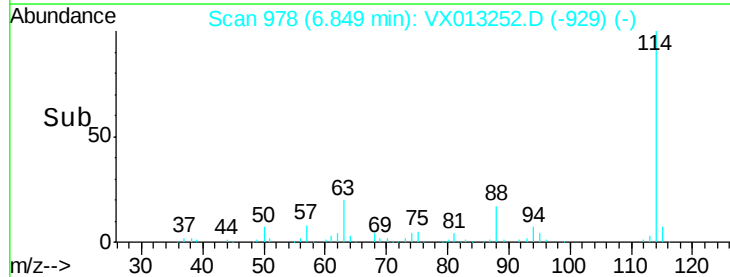
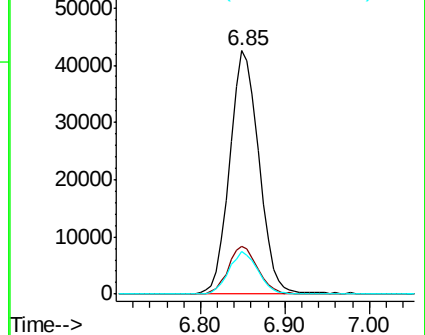
88 17.5 0.0 32.0

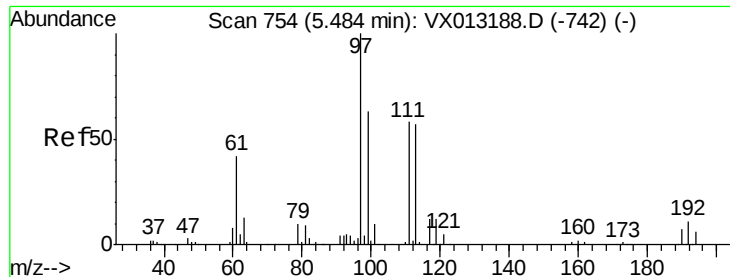


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.137 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

W-1

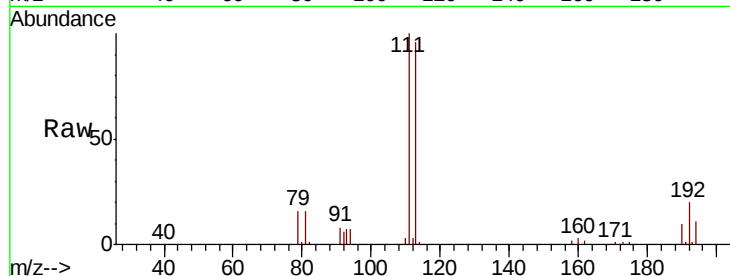
Tot Ion:113 Resp: 60888

Ion Ratio Lower Upper

113 100

111 104.4 80.3 120.5

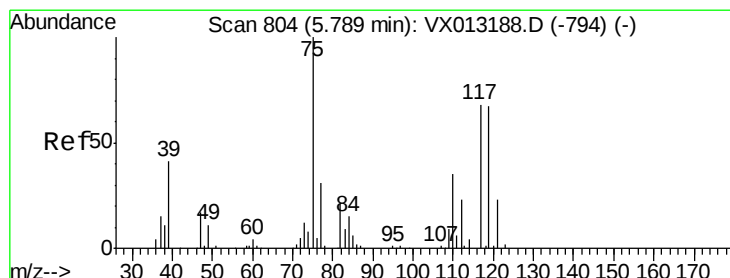
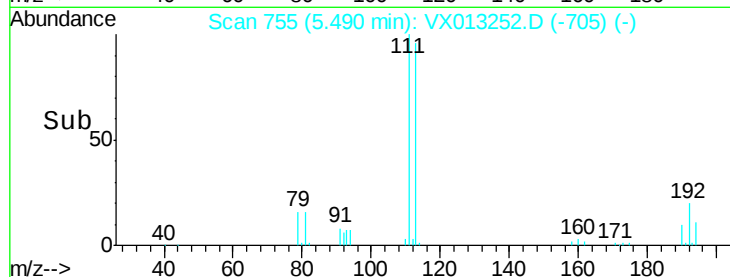
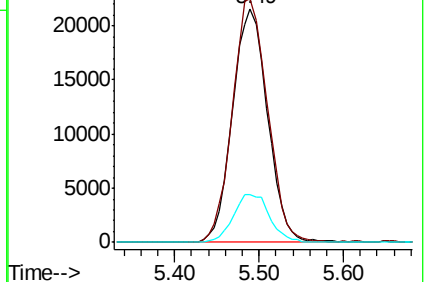
192 21.2 15.9 23.9



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: 2.973 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

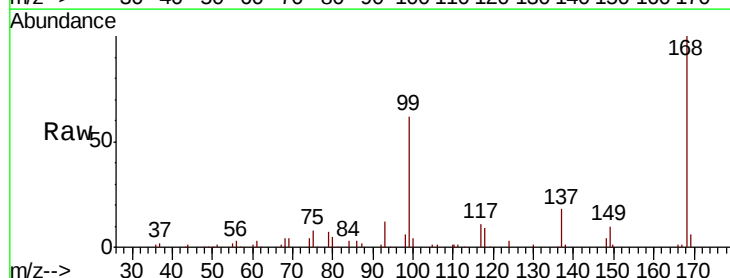
Tgt Ion: 75 Resp: 5141

Ion Ratio Lower Upper

75 100

110 10.4 17.6 52.9#

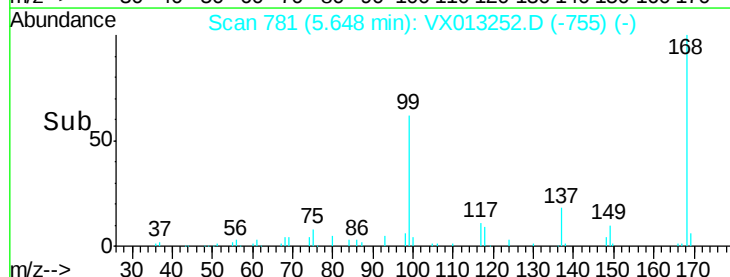
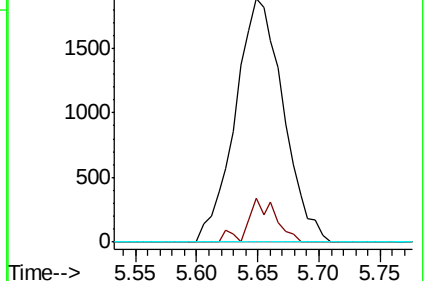
77 0.0 24.7 37.1#

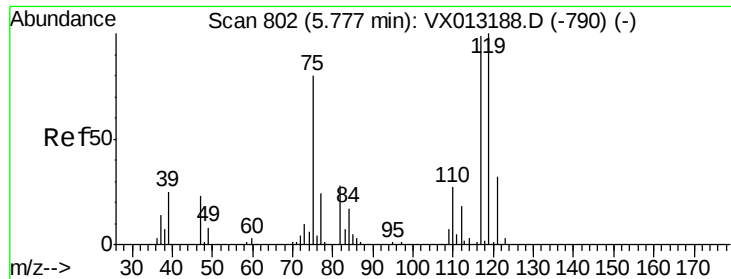


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.042 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

W-1

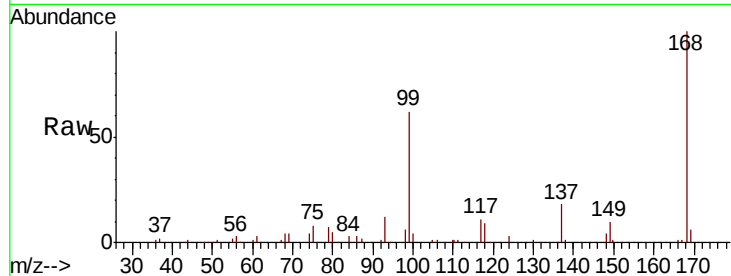
Tot Ion:117 Resp: 7535

Ion Ratio Lower Upper

117 100

119 4.0 80.1 120.1#

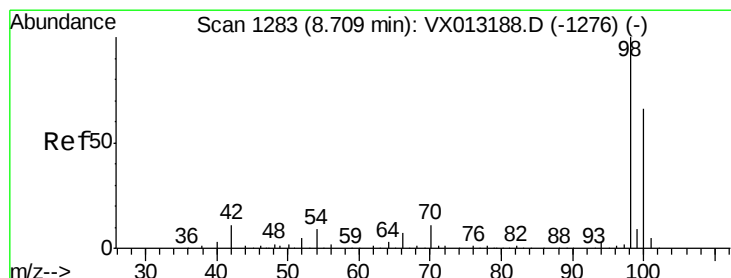
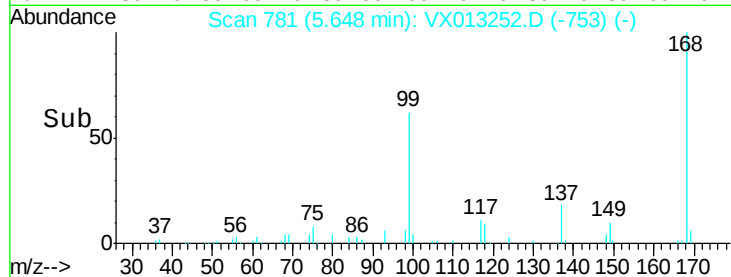
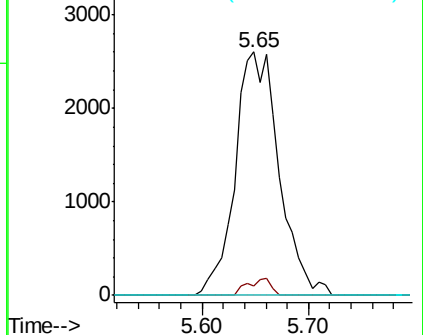
121 0.0 25.5 38.3#



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: 52.266 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013252.D

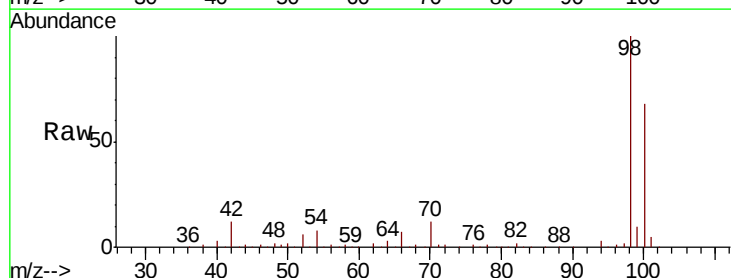
Acq: 28 Oct 2019 16:57

Tgt Ion: 98 Resp: 217846

Ion Ratio Lower Upper

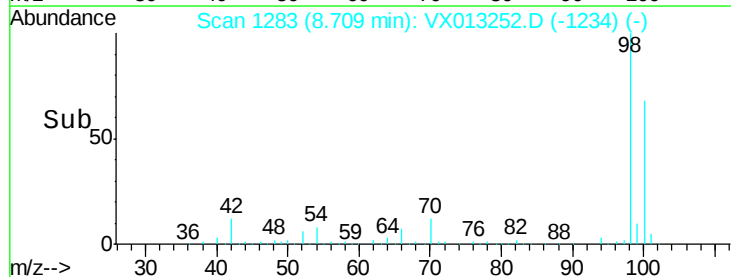
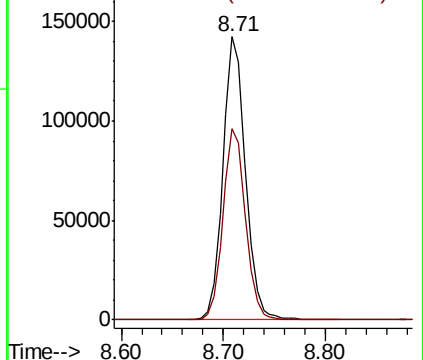
98 100

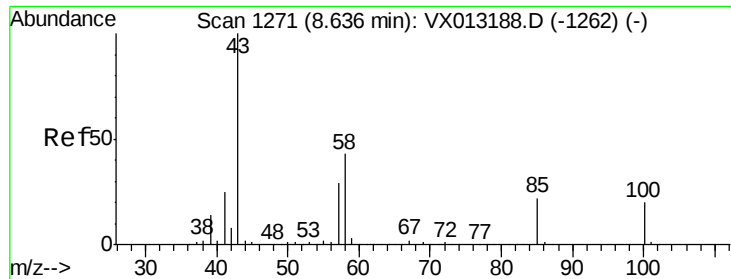
100 67.7 53.3 79.9



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: 0.594 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

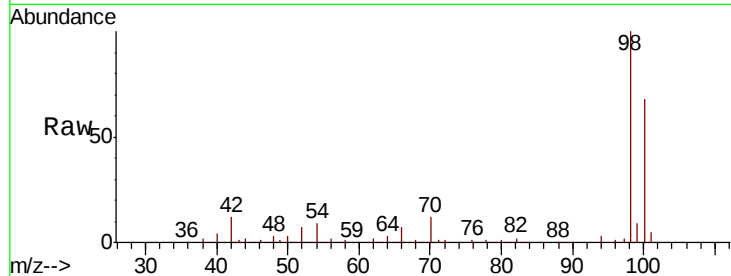
W-1

Tot Ion: 43 Resp: 1011

Ion Ratio Lower Upper

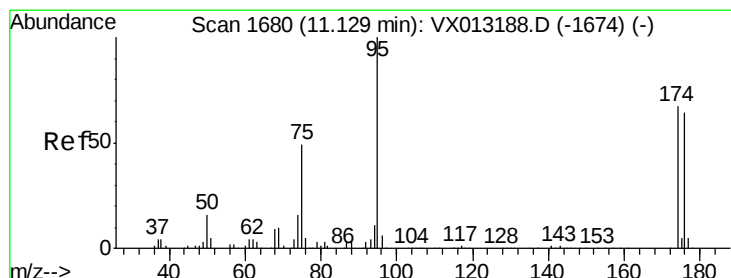
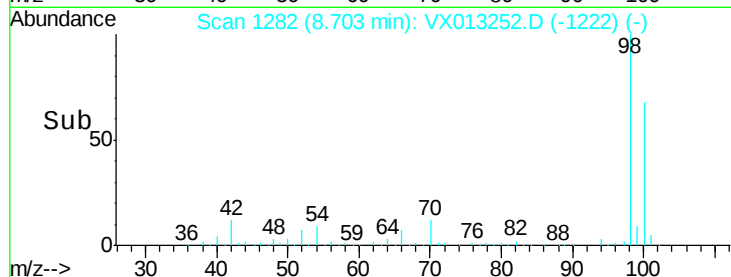
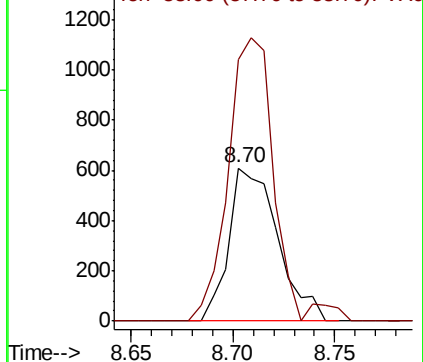
43 100

58 172.5 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 49.324 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

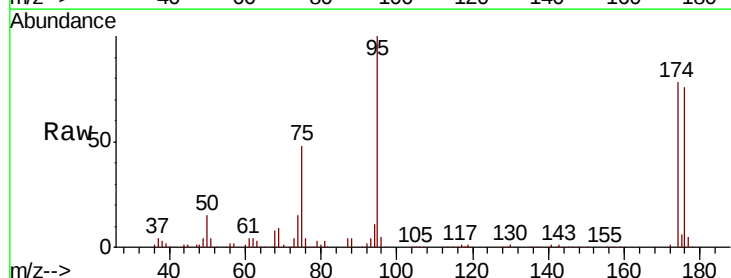
Tgt Ion: 95 Resp: 81370

Ion Ratio Lower Upper

95 100

174 75.0 0.0 152.4

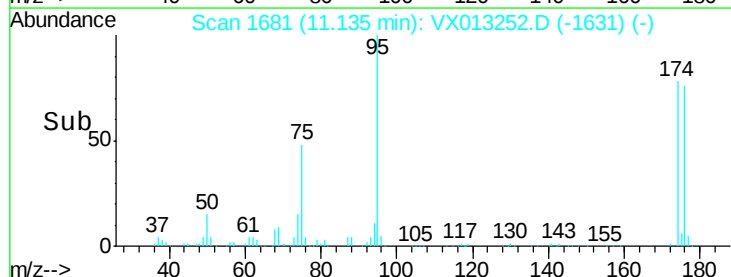
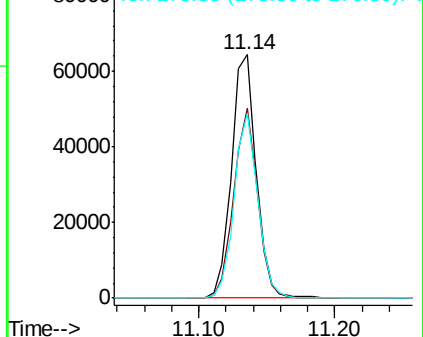
176 73.0 0.0 146.0

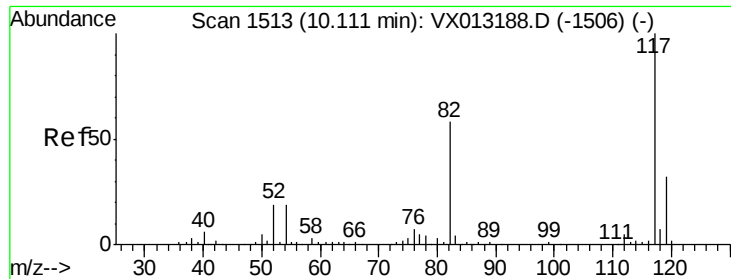


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

W-1

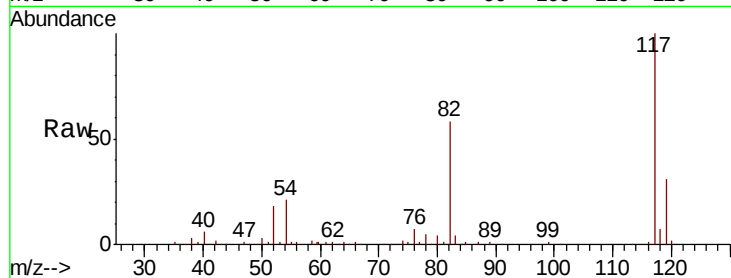
Tot Ion:117 Resp: 100235

Ion Ratio Lower Upper

117 100

82 57.6 46.5 69.7

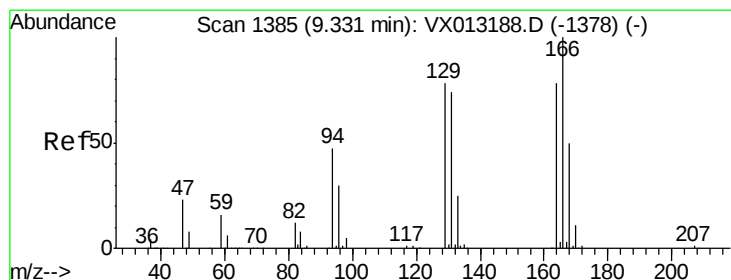
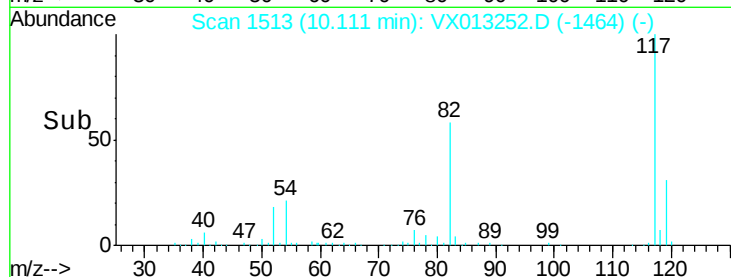
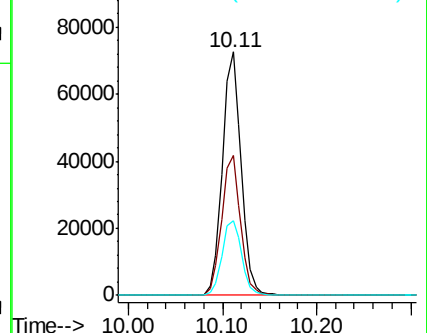
119 30.8 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: Below Cal

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Tgt Ion:164 Resp: 42

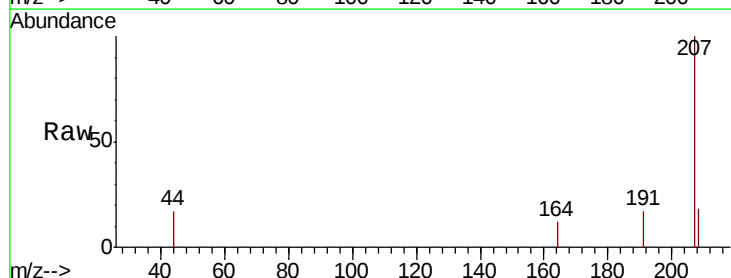
Ion Ratio Lower Upper

164 100

166 0.0 102.2 153.4#

129 0.0 79.8 119.8#

131 0.0 75.3 112.9#

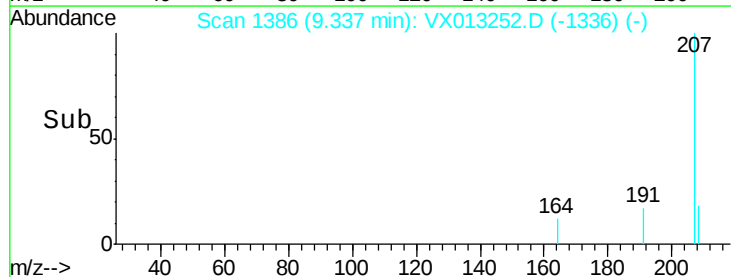
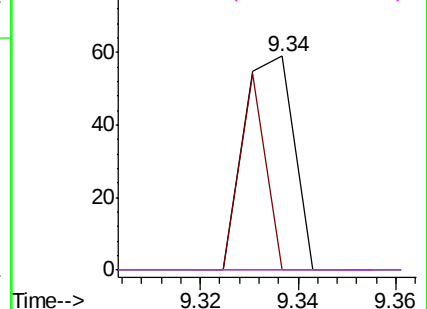


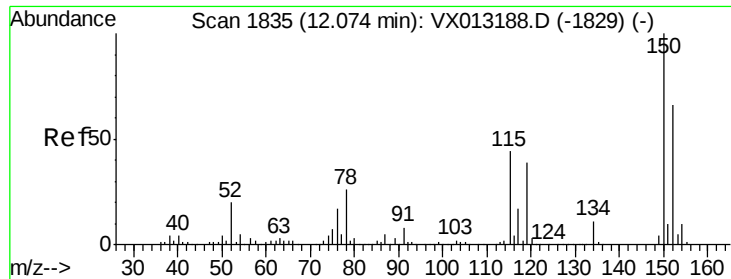
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

W-1

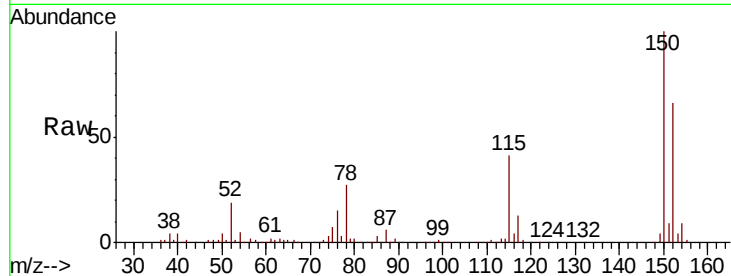
Tot Ion:152 Resp: 64062

Ion Ratio Lower Upper

152 100

115 63.9 46.6 139.8

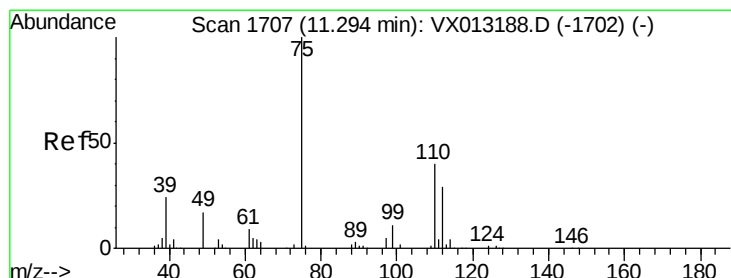
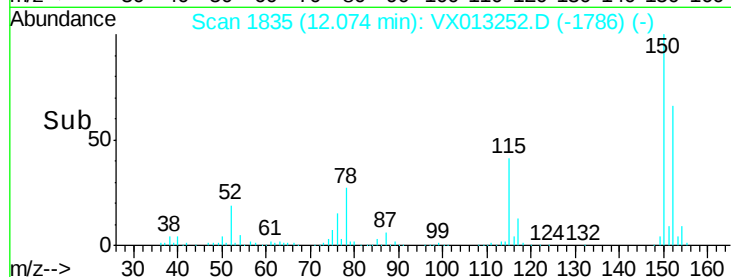
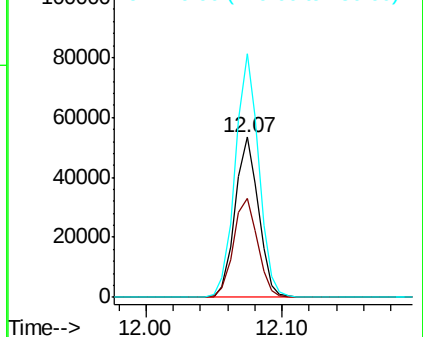
150 152.3 0.0 354.0



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: 26.848 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013252.D

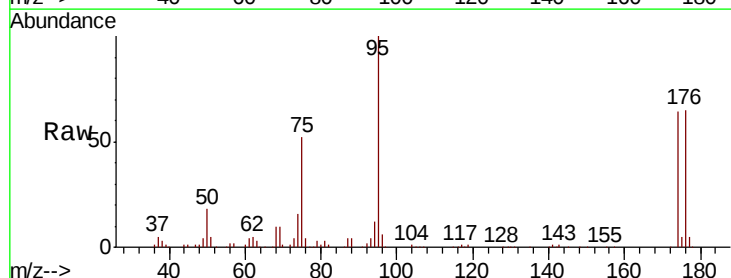
Acq: 28 Oct 2019 16:57

Tgt Ion: 75 Resp: 41453

Ion Ratio Lower Upper

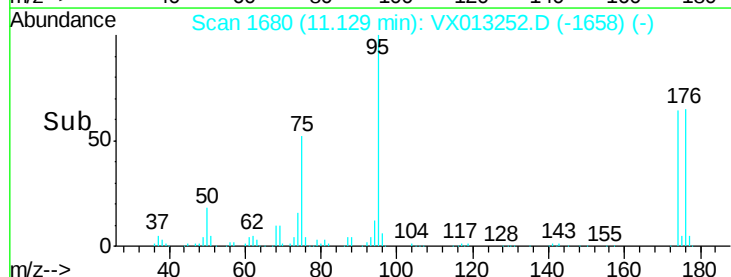
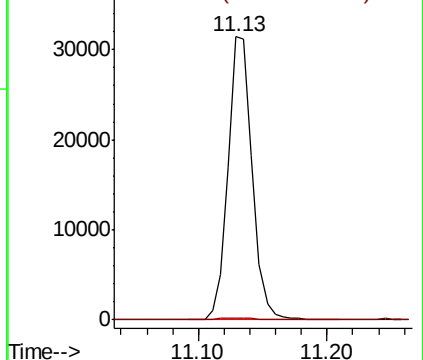
75 100

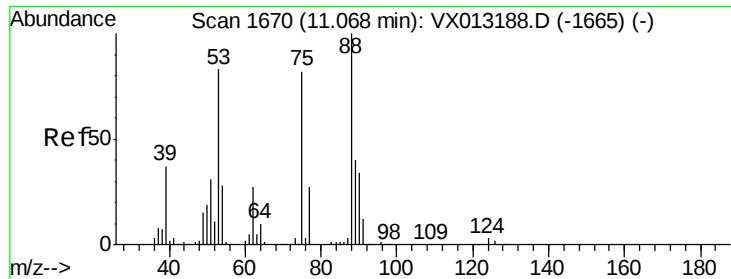
77 0.7 19.1 57.5#



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: 73.776 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013252.D

Acq: 28 Oct 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

W-1

Tot Ion: 75 Resp: 41453

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#

