

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\NOT REVIEWED DATA\
 Data File : VX013251.D
 Acq On : 28 Oct 2019 16:34
 Operator : JC/SP
 Sample : K5575-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 29 19:23:05 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	69454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	103873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	101757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	63070	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	80466	55.39	ug/l	0.00
Spiked Amount			Recovery	=	110.78%	
35) Dibromofluoromethane	5.49	113	62471	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
50) Toluene-d8	8.71	98	219064	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.14	95	81746	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	

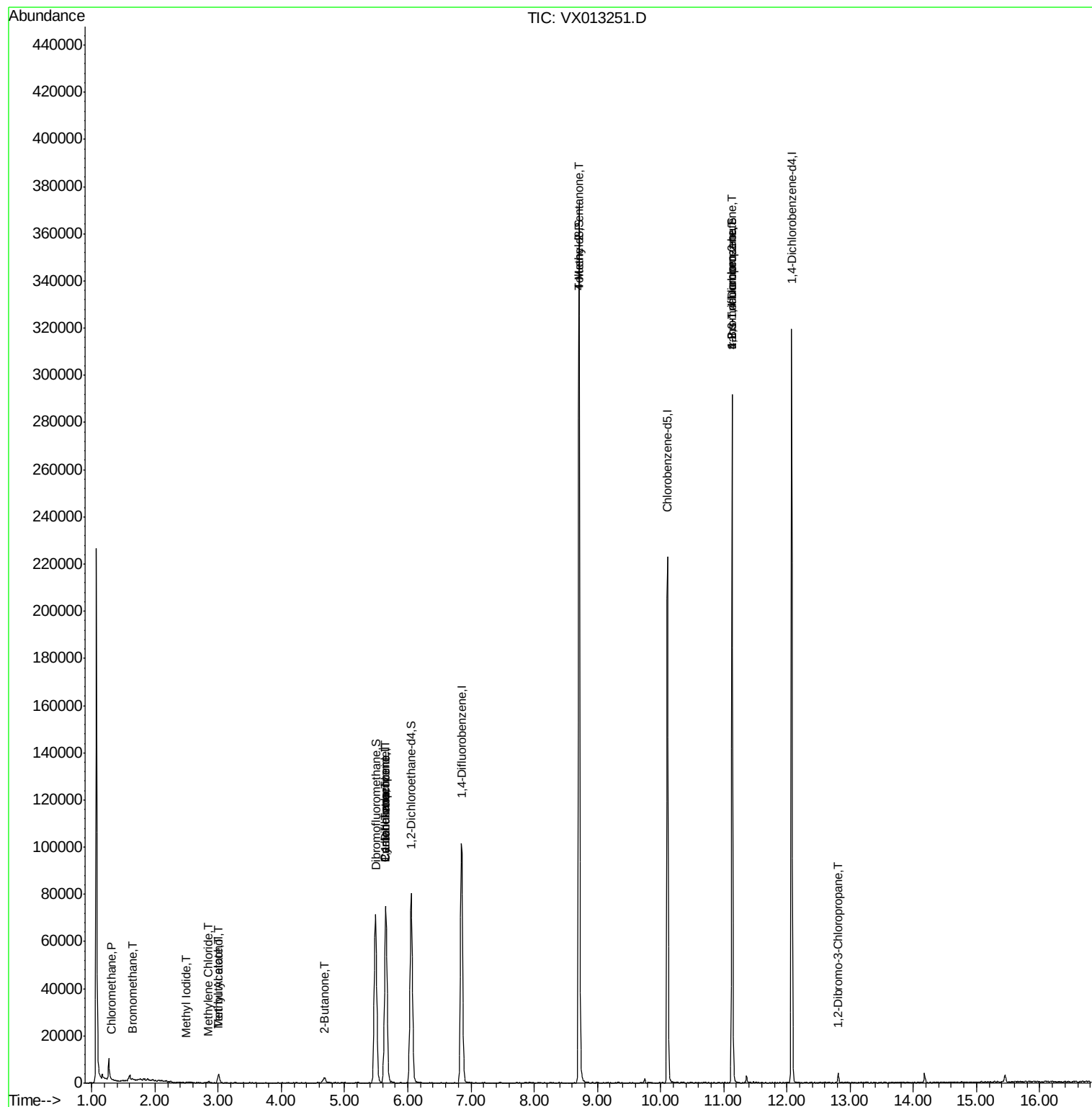
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	82	1.047	ug/l #	40
5) Bromomethane	1.64	94	207	0.310	ug/l #	75
6) Chloroethane	1.79	64	261	Below Cal	#	43
10) Methyl Iodide	2.50	142	254	3.692	ug/l #	89
11) Tert butyl alcohol	3.01	59	2514	6.944	ug/l #	72
18) Methyl Acetate	3.01	43	285	1.156	ug/l #	49
20) Methylene Chloride	2.85	84	425	0.619	ug/l #	85
25) 2-Butanone	4.68	43	189	0.206	ug/l #	45
31) Cyclohexane	5.65	56	1561	0.831	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	5151	2.890	ug/l #	49
38) Carbon Tetrachloride	5.65	117	7261	3.782	ug/l #	18
51) 4-Methyl-2-Pentanone	8.71	43	818	0.467	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	41122	27.052	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	41122	74.338	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	137	0.317	ug/l #	1

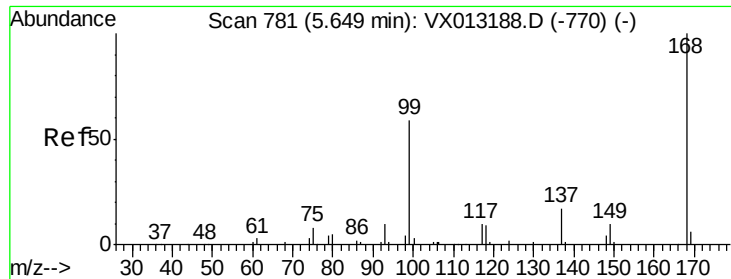
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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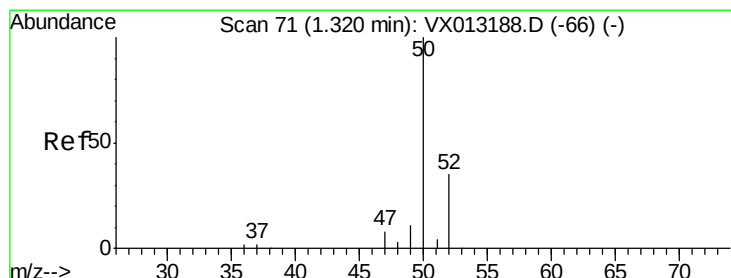
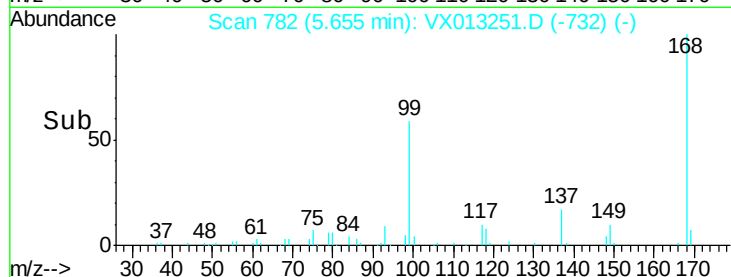
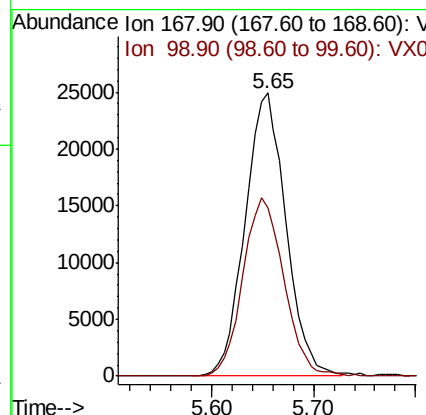
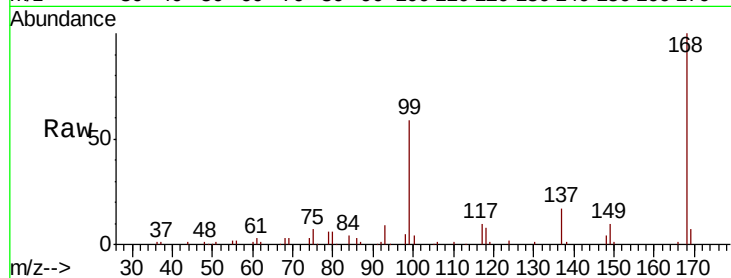




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

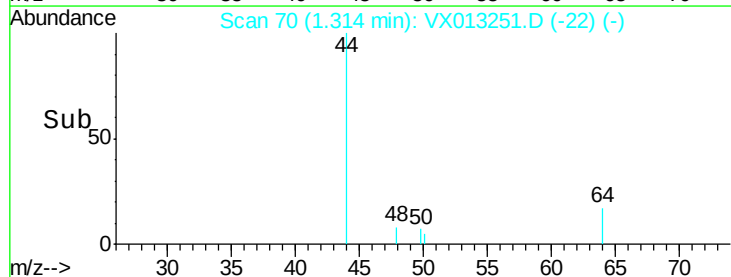
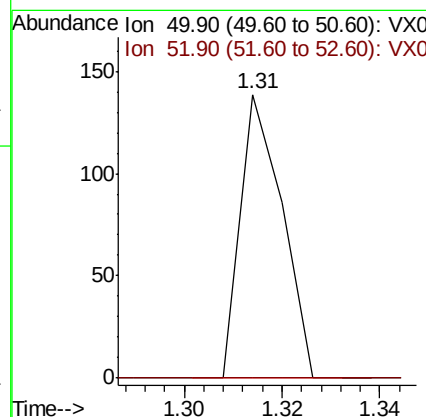
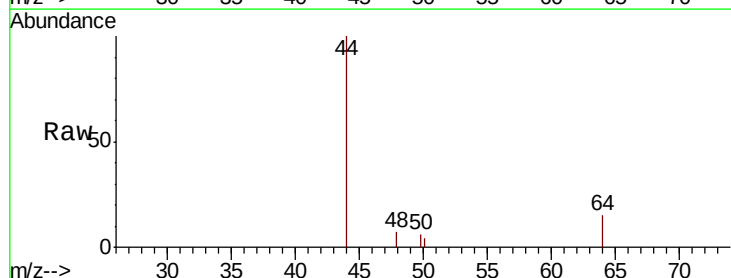
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

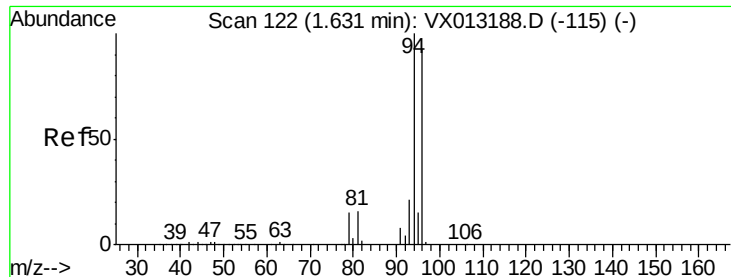
Tot Ion:168 Resp: 69454
Ion Ratio Lower Upper
168 100
99 59.4 47.0 70.4



#3
Chloromethane
Concen: 1.047 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

Tgt Ion: 50 Resp: 82
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#





#5

Bromomethane

Concen: 0.310 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

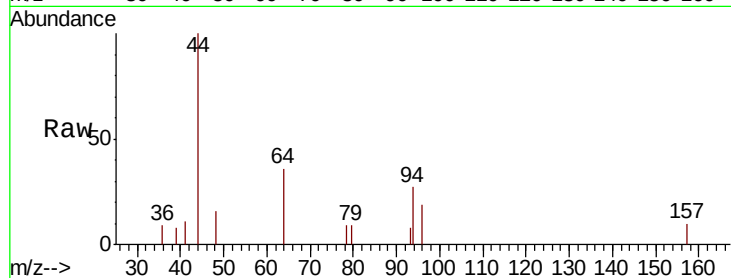
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Tot Ion: 94 Resp: 207

Ion Ratio Lower Upper

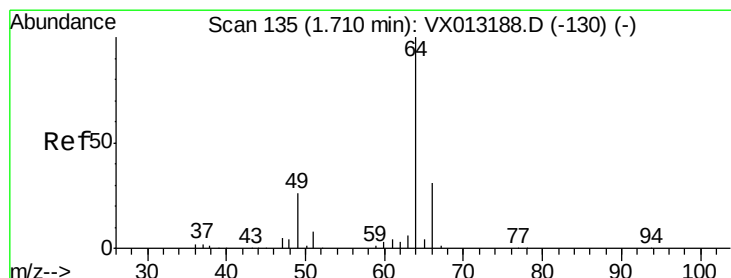
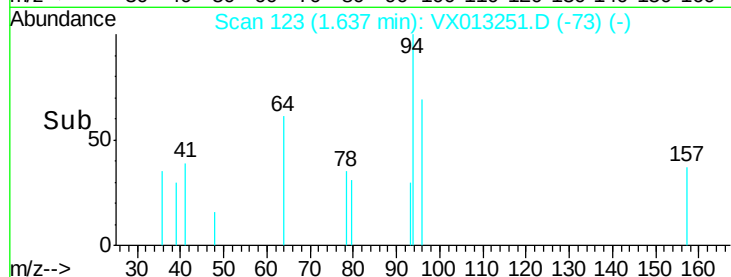
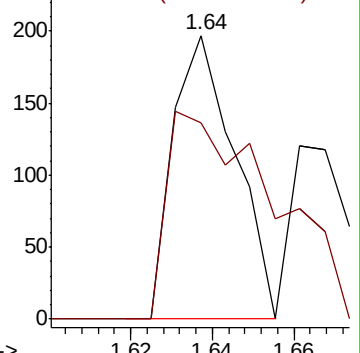
94 100

96 69.0 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: 1.79 min Scan# 148

Delta R.T. 0.08 min

Lab File: VX013251.D

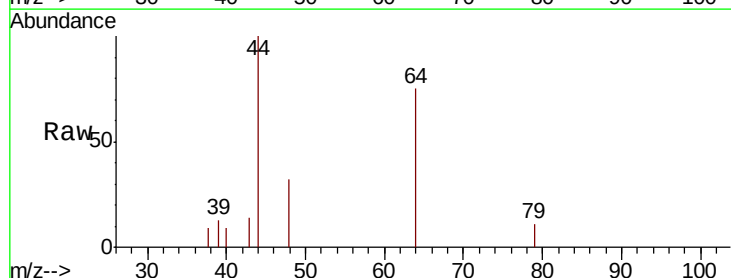
Acq: 28 Oct 2019 16:34

Tgt Ion: 64 Resp: 261

Ion Ratio Lower Upper

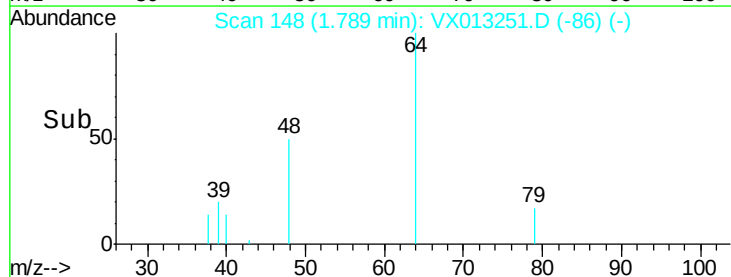
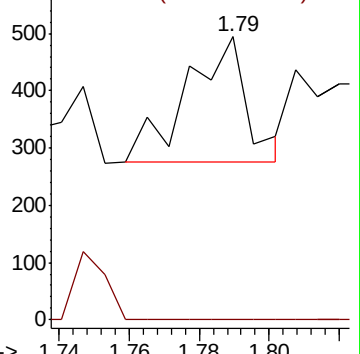
64 100

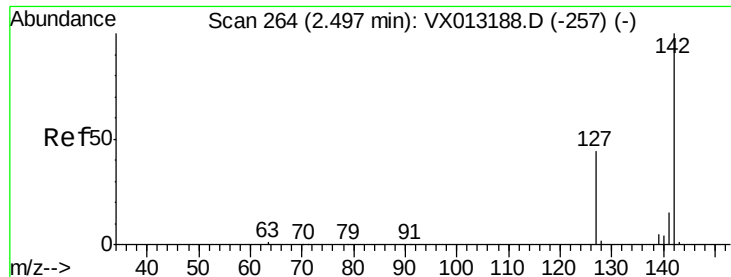
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

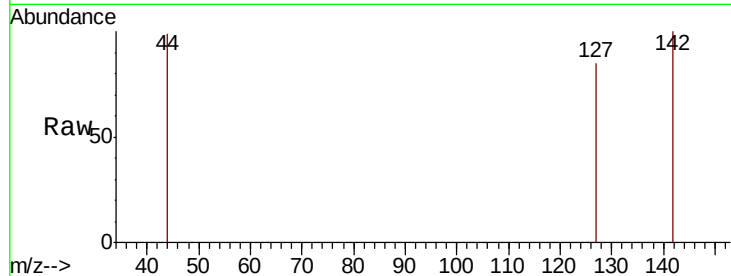




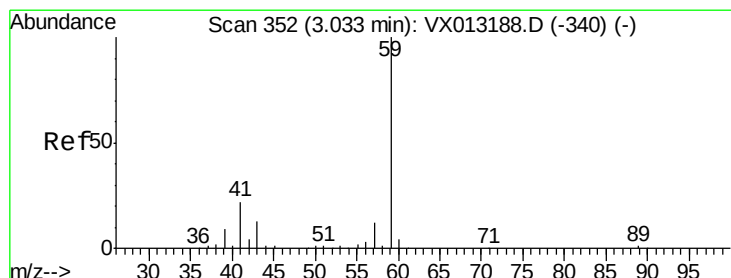
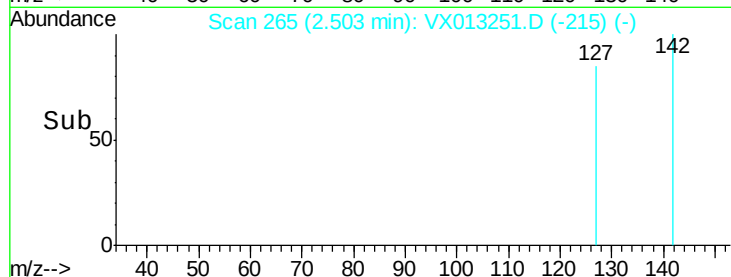
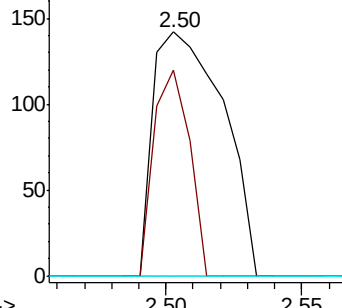
#10
Methyl Iodide
Concen: 3.692 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tot Ion:142 Resp: 254
Ion Ratio Lower Upper
142 100
127 42.9 35.6 53.4
141 0.0 11.6 17.4#

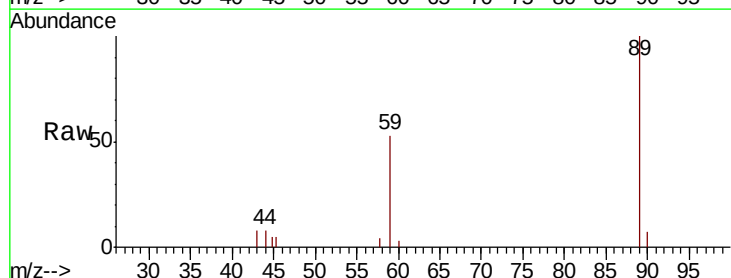


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

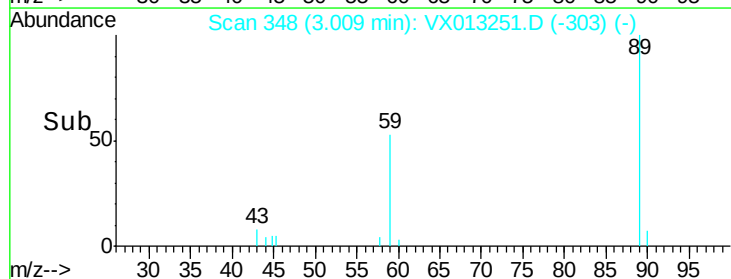
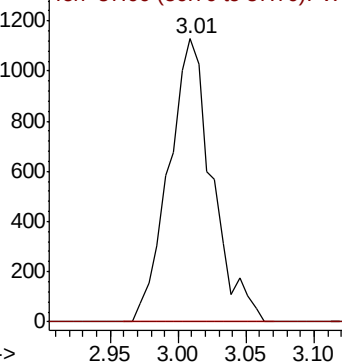


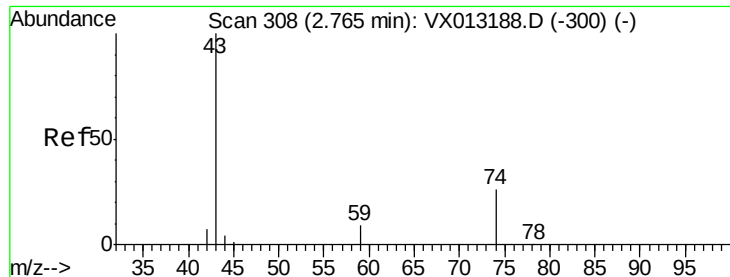
#11
Tert butyl alcohol
Concen: 6.944 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

Tgt Ion: 59 Resp: 2514
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

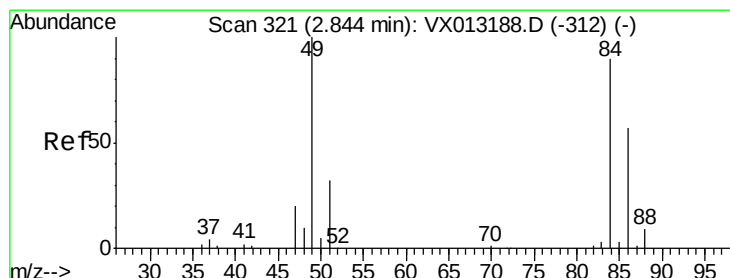
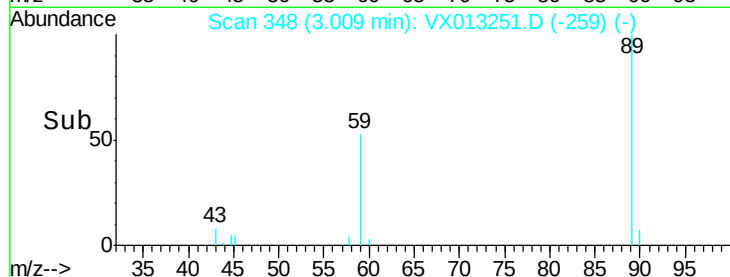
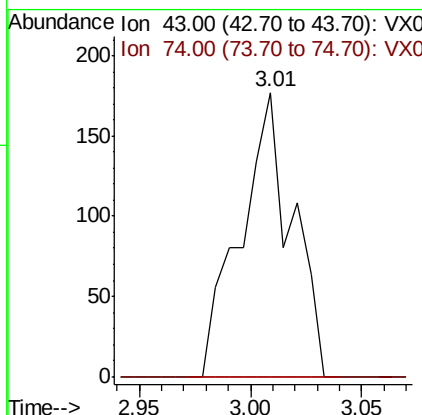
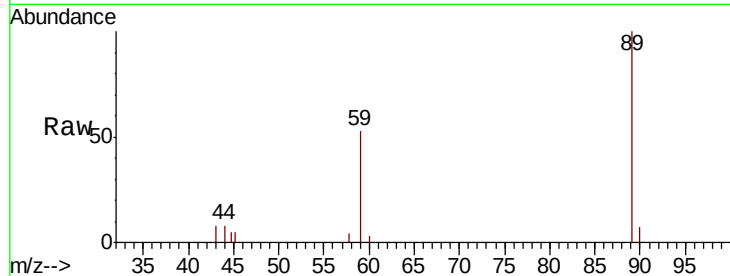




#18
Methyl Acetate
Concen: 1.156 ug/l
RT: 3.01 min Scan# 348
Delta R.T. 0.24 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

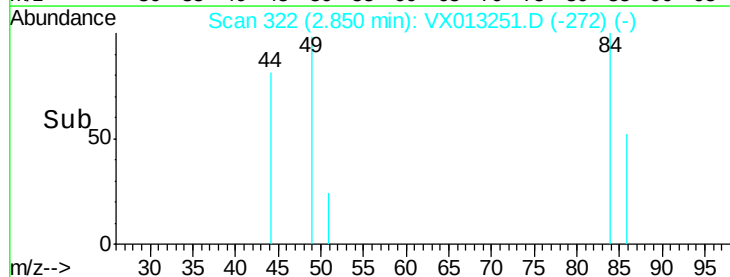
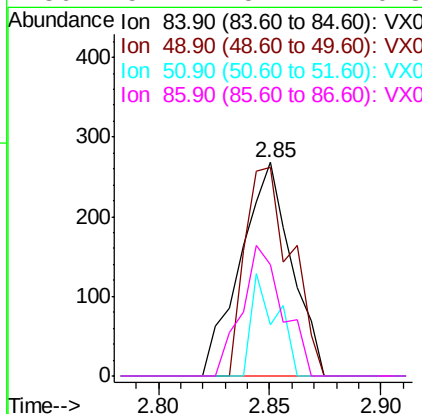
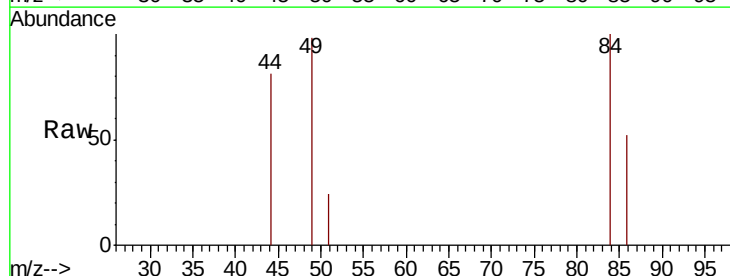
Instrument :
MSVOA_X
ClientSampled :
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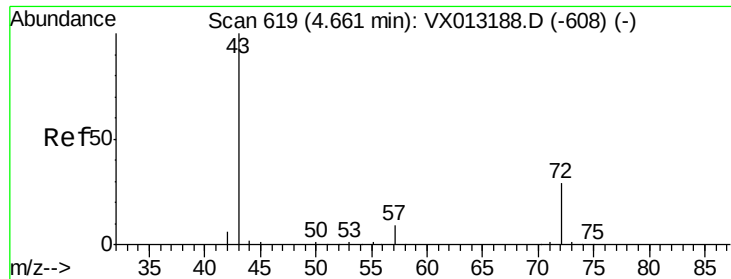
Tot Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.619 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

Tgt Ion: 84 Resp: 425
Ion Ratio Lower Upper
84 100
49 97.8 89.2 133.8
51 24.3 28.8 43.2#
86 52.2 51.2 76.8





#25

2-Butanone

Concen: 0.206 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

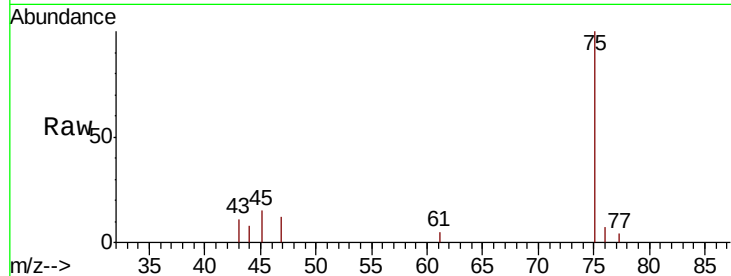
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Tot Ion: 43 Resp: 189

Ion Ratio Lower Upper

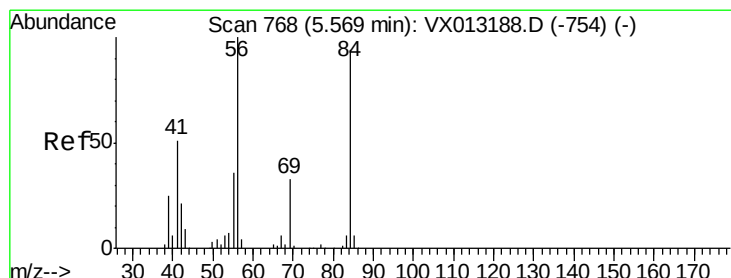
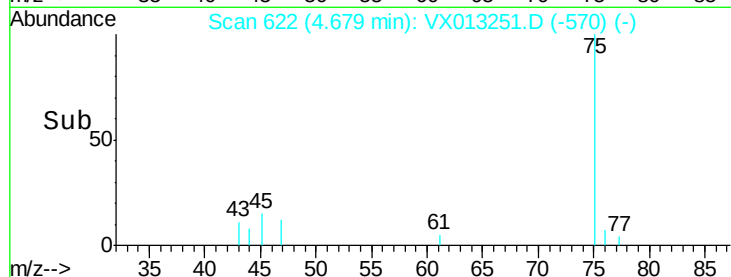
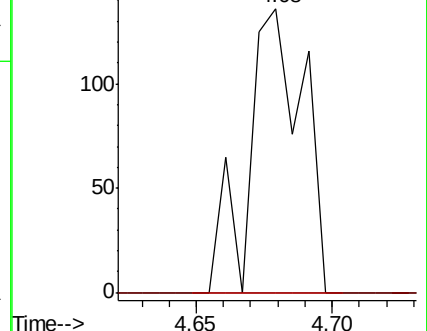
43 100

72 0.0 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: 0.831 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

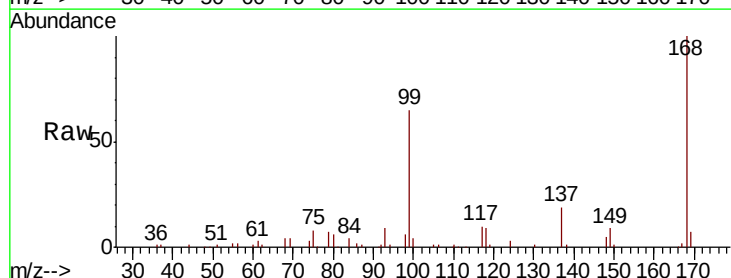
Tgt Ion: 56 Resp: 1561

Ion Ratio Lower Upper

56 100

69 174.4 26.3 39.5#

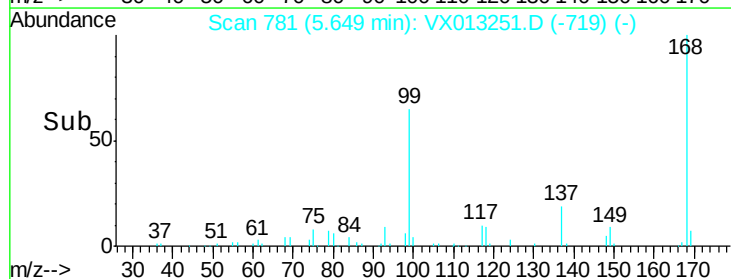
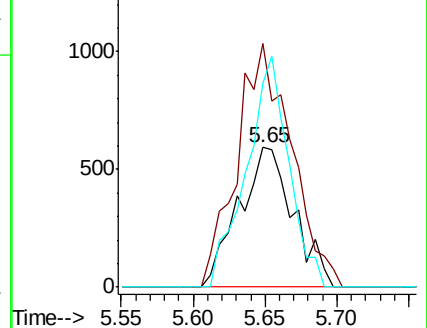
84 146.2 73.8 110.6#

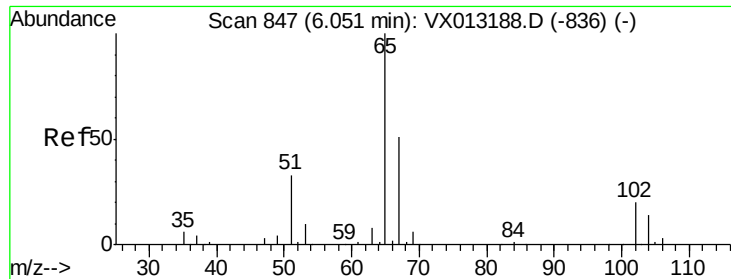


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

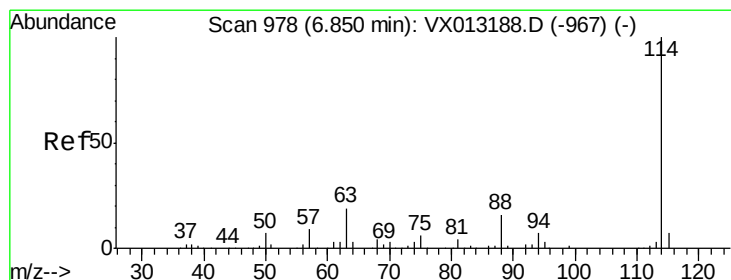
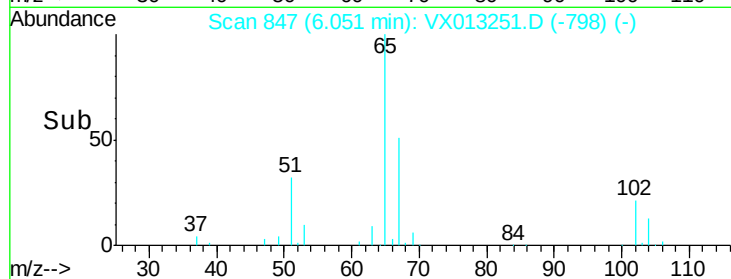
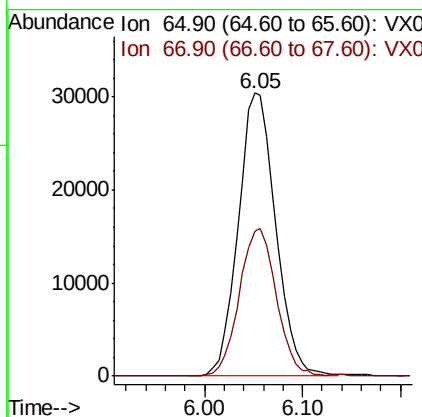
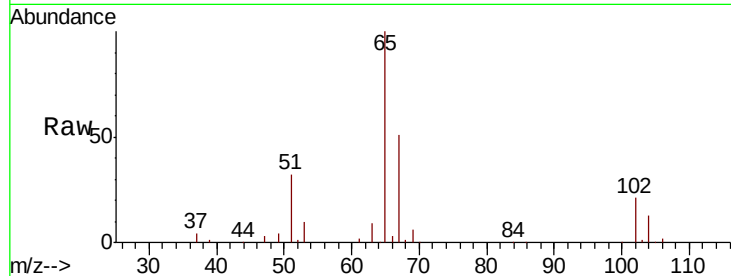




#33
 1,2-Dichloroethane-d4
 Concen: 55.392 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013251.D
 Acq: 28 Oct 2019 16:34

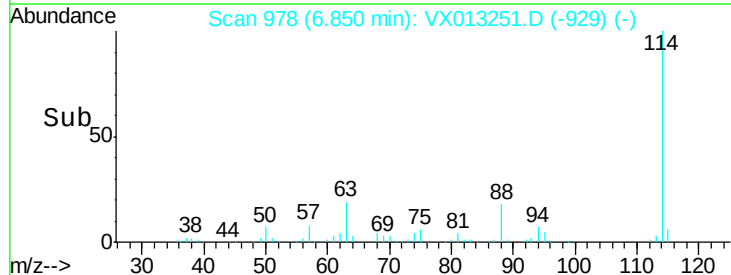
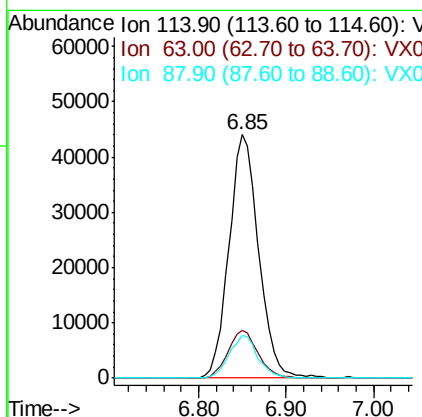
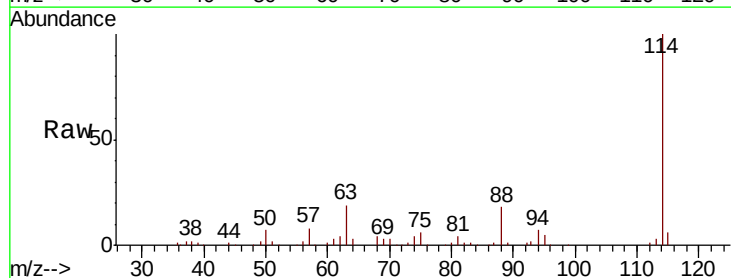
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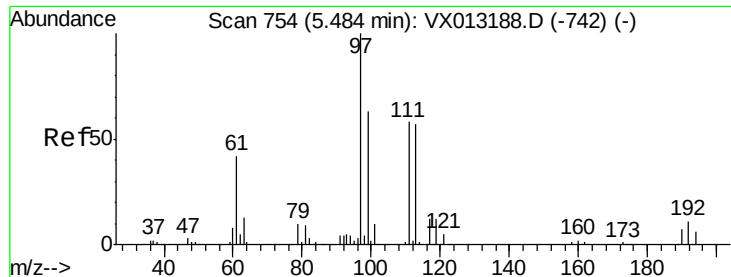
Tot Ion: 65 Resp: 80466
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013251.D
 Acq: 28 Oct 2019 16:34

Tgt Ion: 114 Resp: 103873
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 17.5 0.0 32.0

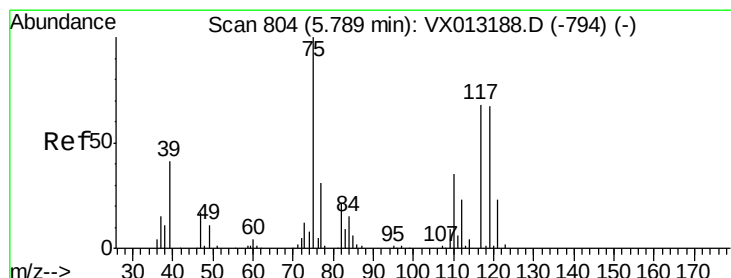
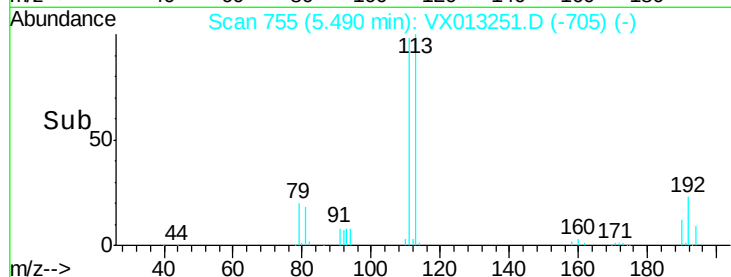
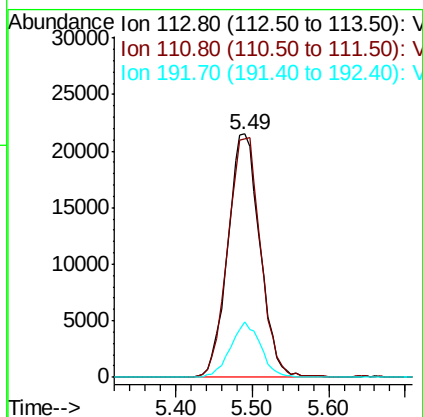
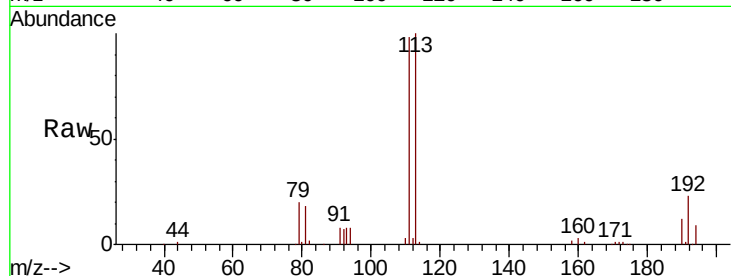




#35
 Dibromofluoromethane
 Concen: 53.932 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013251.D
 Acq: 28 Oct 2019 16:34

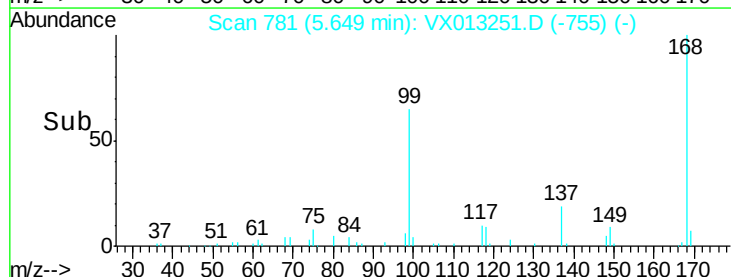
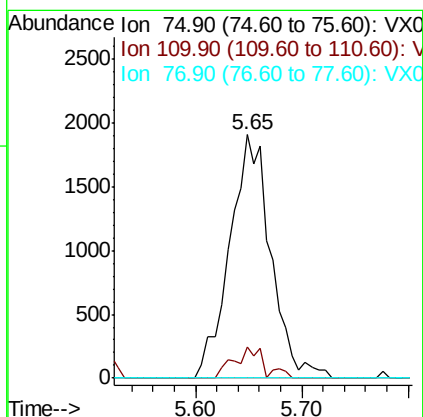
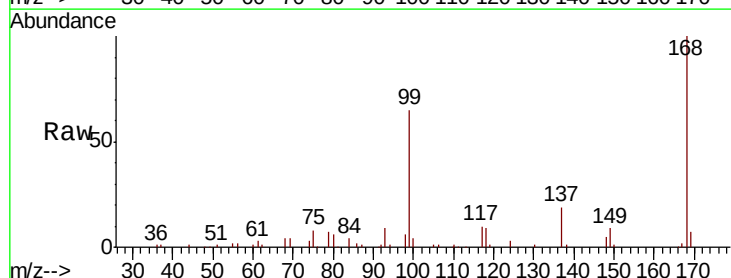
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 ClientSampleId :
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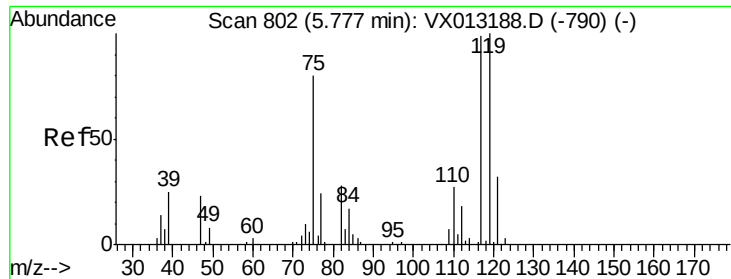
Tot Ion:113 Resp: 62471
 Ion Ratio Lower Upper
 113 100
 111 99.8 80.3 120.5
 192 21.5 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 2.890 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013251.D
 Acq: 28 Oct 2019 16:34

Tgt Ion: 75 Resp: 5151
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.6 52.9#
 77 0.0 24.7 37.1#

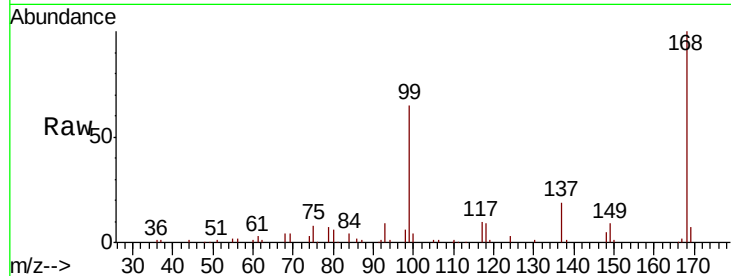




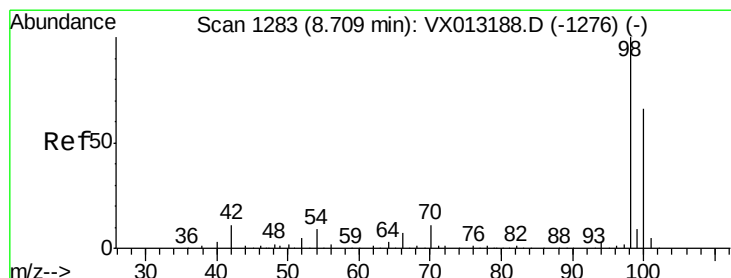
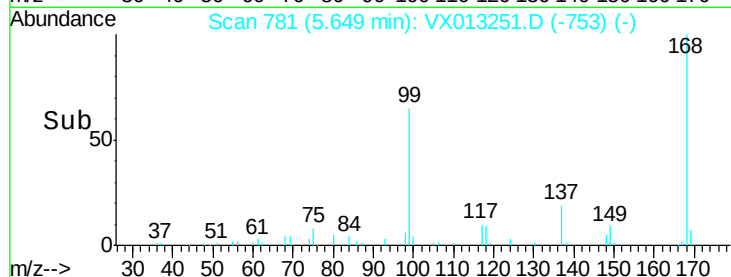
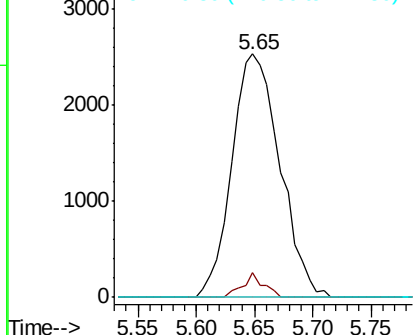
#38
Carbon Tetrachloride
Concen: 3.782 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 7261
Ion Ratio Lower Upper
117 100
119 9.9 80.1 120.1#
121 0.0 25.5 38.3#

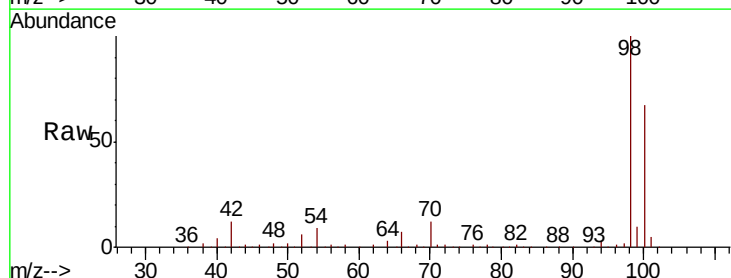


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

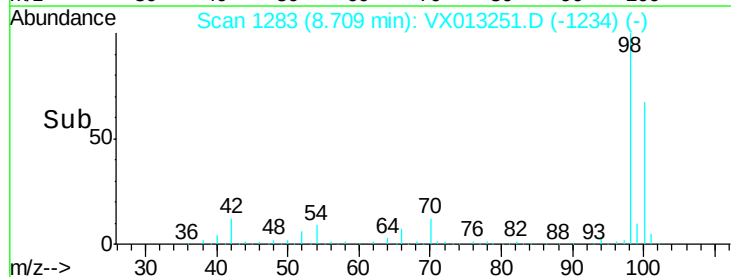
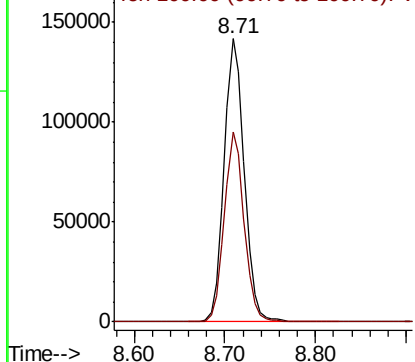


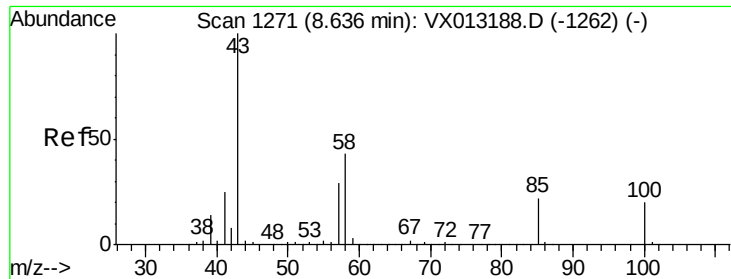
#50
Toluene-d8
Concen: 51.032 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

Tgt Ion: 98 Resp: 219064
Ion Ratio Lower Upper
98 100
100 66.1 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: 0.467 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

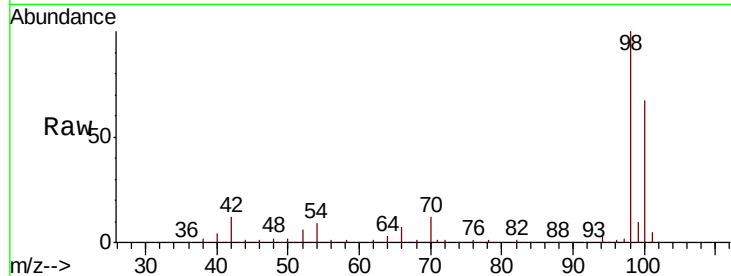
TRIP-BLANK

Tot Ion: 43 Resp: 818

Ion Ratio Lower Upper

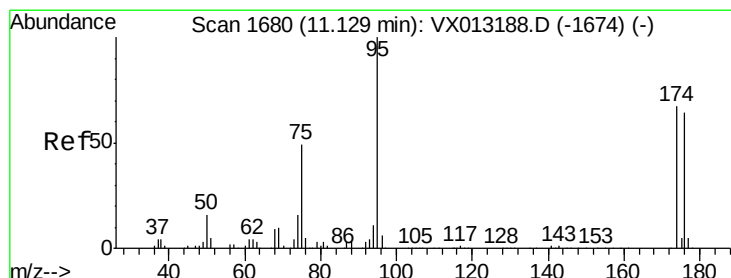
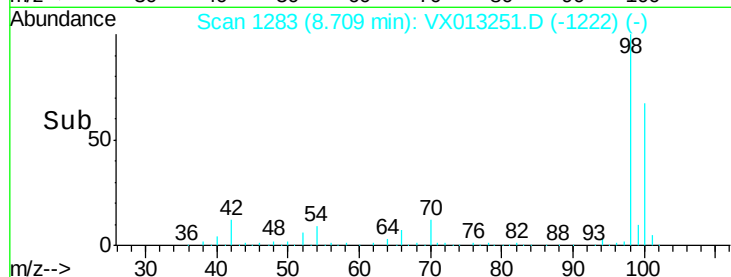
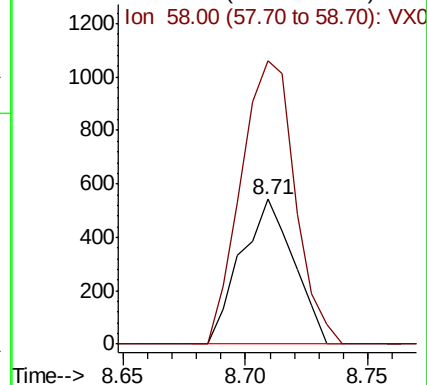
43 100

58 200.0 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: 48.113 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

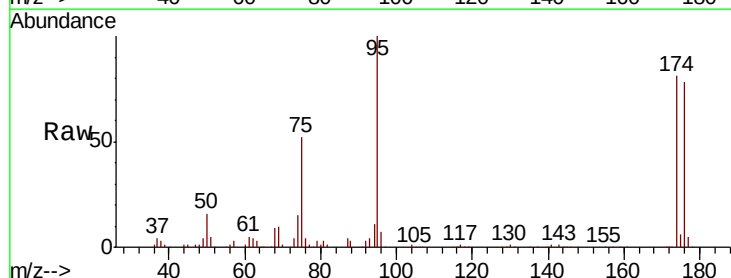
Tgt Ion: 95 Resp: 81746

Ion Ratio Lower Upper

95 100

174 77.7 0.0 152.4

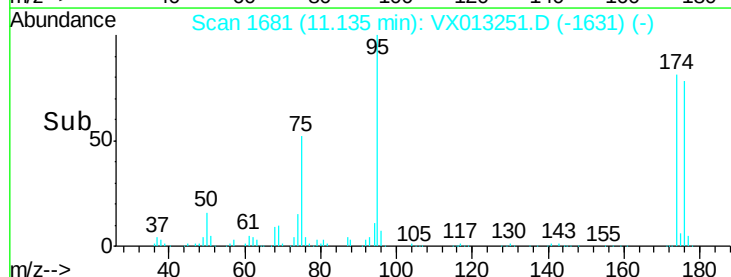
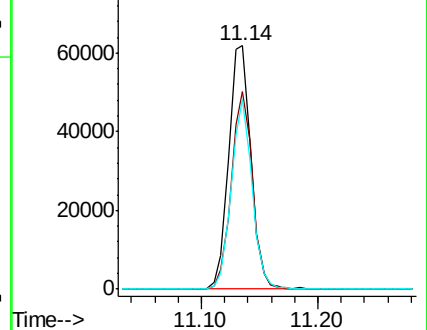
176 73.2 0.0 146.0

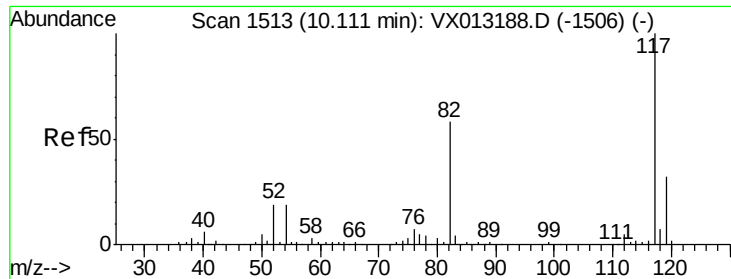


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

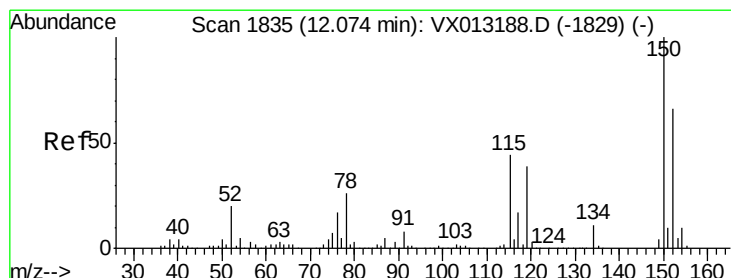
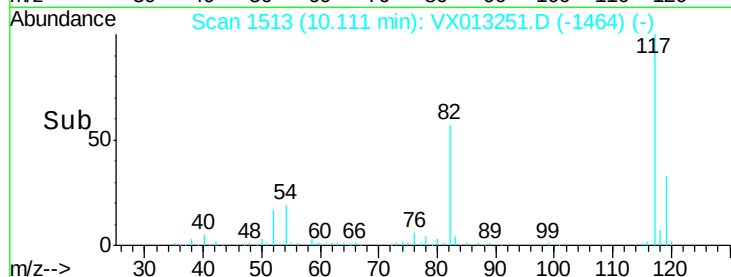
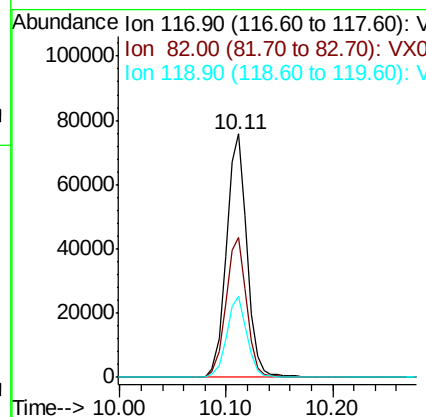
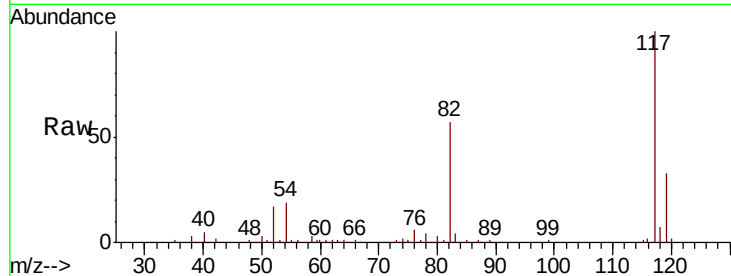




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

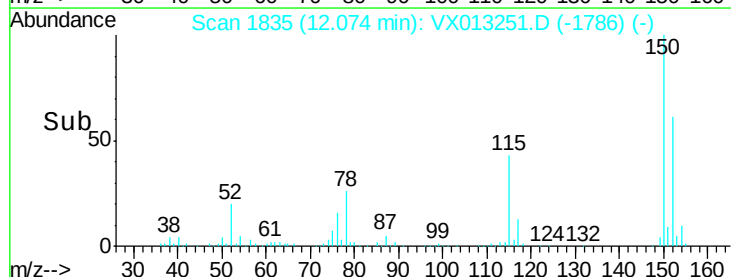
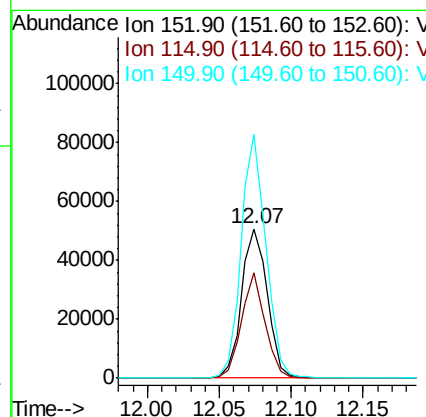
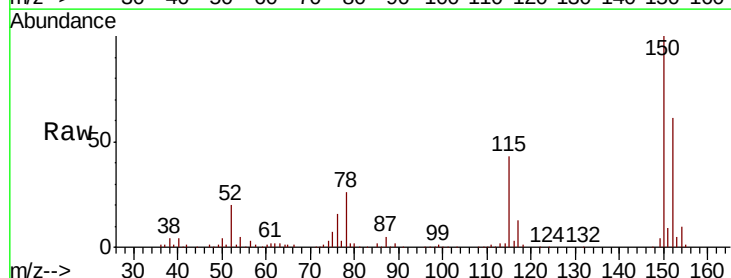
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

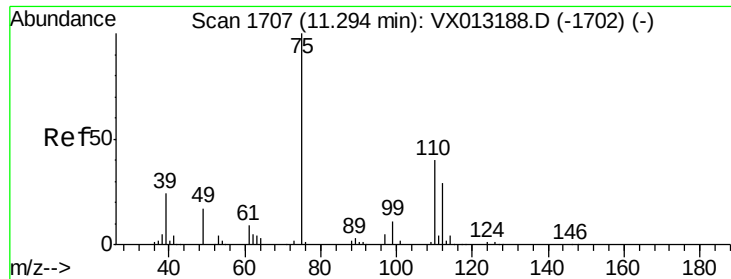
Tot Ion:117 Resp: 101757
Ion Ratio Lower Upper
117 100
82 57.4 46.5 69.7
119 33.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013251.D
Acq: 28 Oct 2019 16:34

Tgt Ion:152 Resp: 63070
Ion Ratio Lower Upper
152 100
115 64.4 46.6 139.8
150 157.4 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 27.052 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

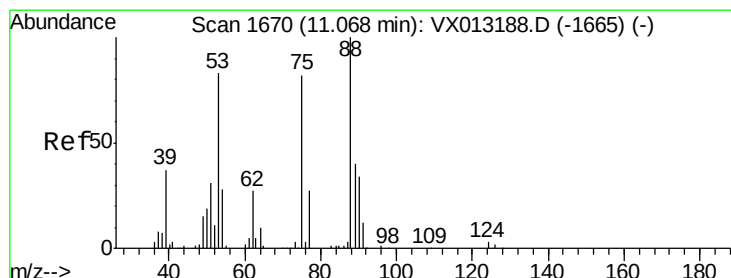
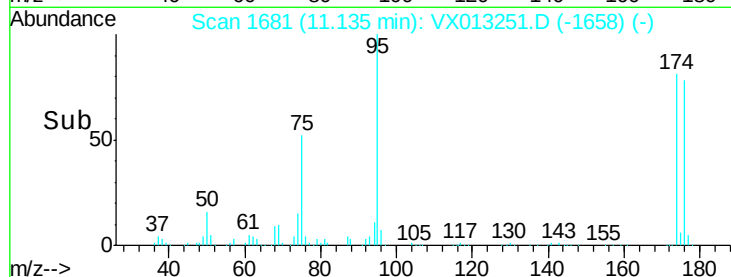
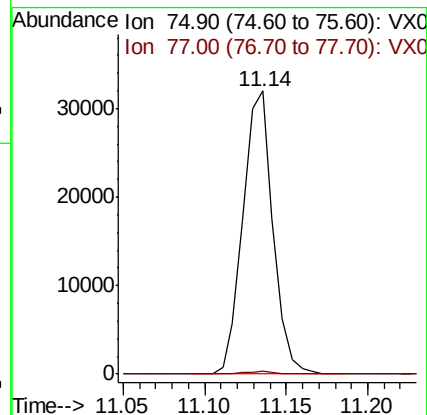
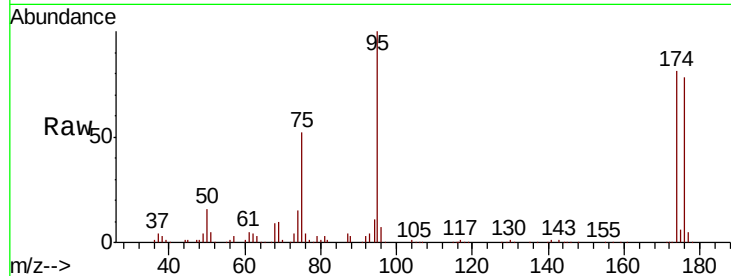
TRIP-BLANK

Tot Ion: 75 Resp: 41122

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.338 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

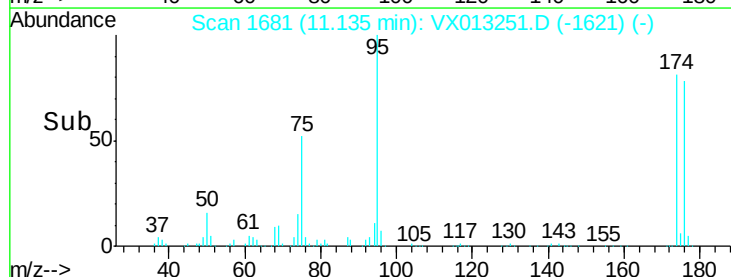
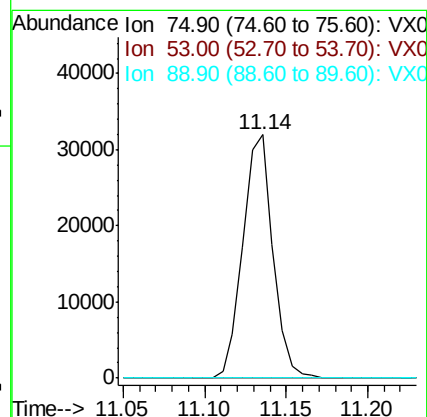
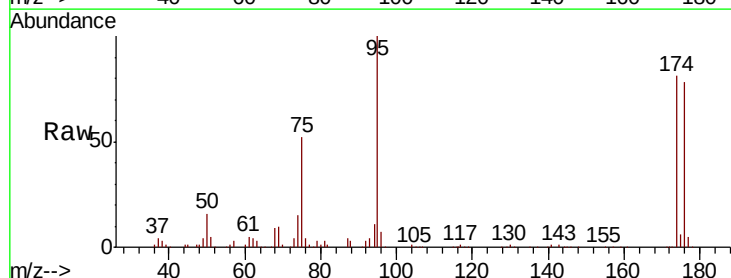
Tgt Ion: 75 Resp: 41122

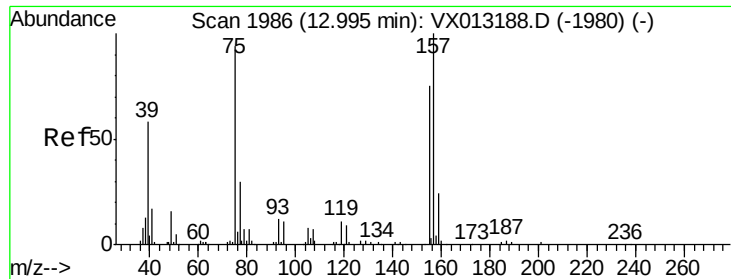
Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.317 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX013251.D

Acq: 28 Oct 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 137

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

157 0.0 54.3 162.8#

