

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121819\
 Data File : VX014105.D
 Acq On : 18 Dec 2019 18:31
 Operator : JC/SP
 Sample : K6369-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 19 03:02:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	539001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	837364	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	733204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	320374	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	303019	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	5.49	113	247273	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	986513	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	326515	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

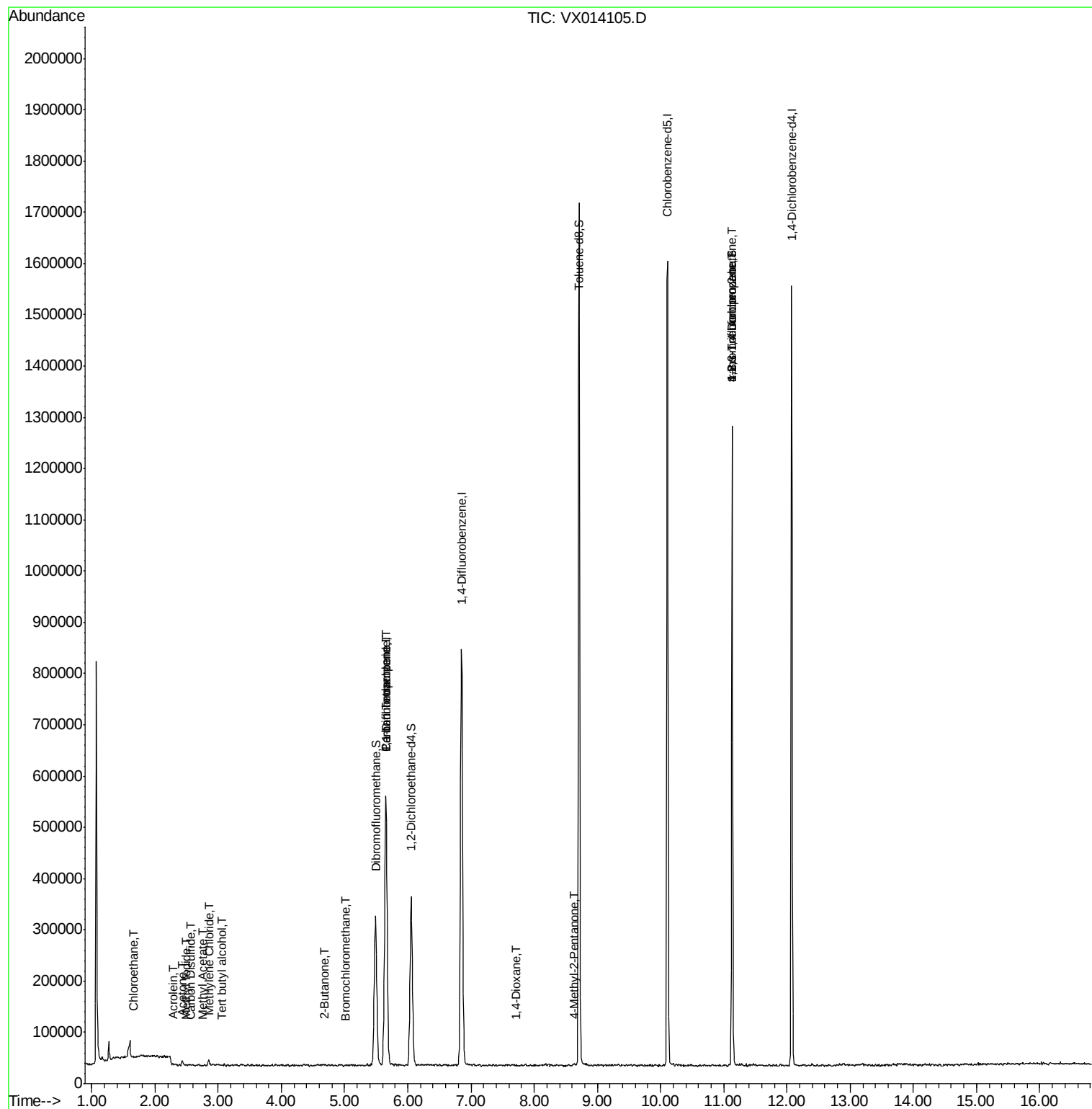
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.66	64	1580	0.375	ug/l	91
10) Methyl Iodide	2.50	142	498	2.691	ug/l #	33
11) Tert butyl alcohol	3.06	59	362	0.274	ug/l #	1
13) Acrolein	2.28	56	205	0.271	ug/l #	14
16) Acetone	2.43	43	9796	2.470	ug/l #	87
17) Carbon Disulfide	2.56	76	1212	0.833	ug/l #	84
18) Methyl Acetate	2.75	43	1693	0.215	ug/l #	51
20) Methylene Chloride	2.86	84	4933	0.790	ug/l #	81
25) 2-Butanone	4.69	43	1634	0.334	ug/l	98
28) Bromochloromethane	5.01	49	195	0.503	ug/l #	59
36) 1,1-Dichloropropene	5.65	75	37594	4.893	ug/l #	51
38) Carbon Tetrachloride	5.65	117	46950	6.708	ug/l #	15
49) 1,4-Dioxane	7.73	88	522	3.731	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	2601	0.295	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	157902	22.703	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	157902	64.078	ug/l #	12

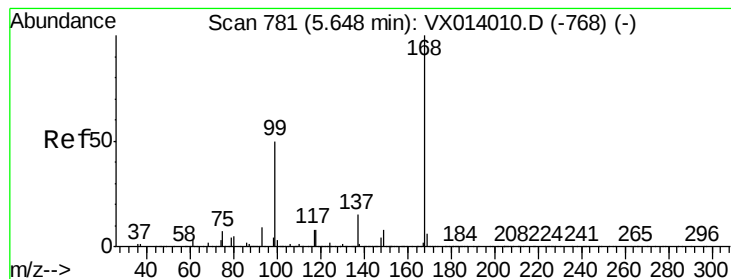
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Dec 19 03:02:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

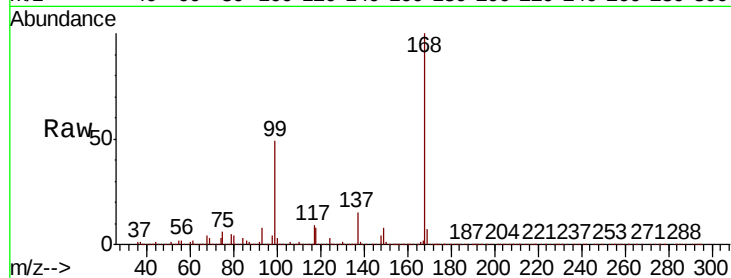
TRIP-BLANK

Tot Ion:168 Resp: 539001

Ion Ratio Lower Upper

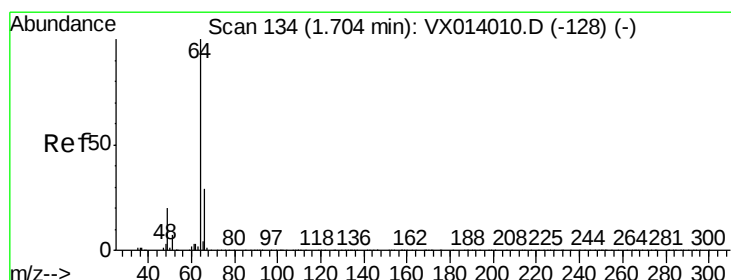
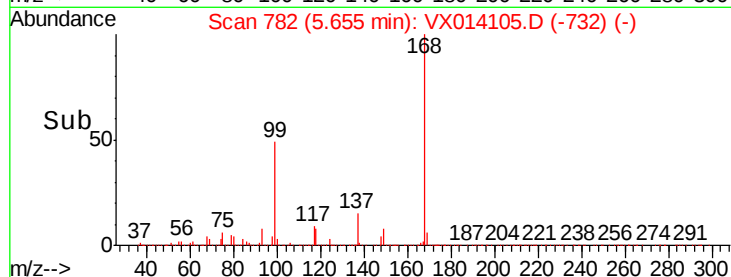
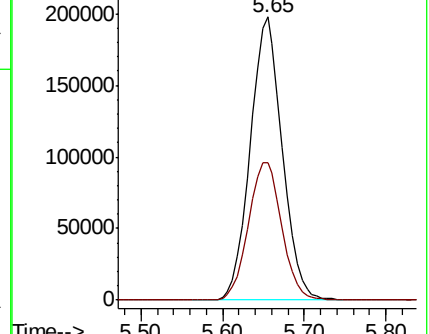
168 100

99 48.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.375 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX014105.D

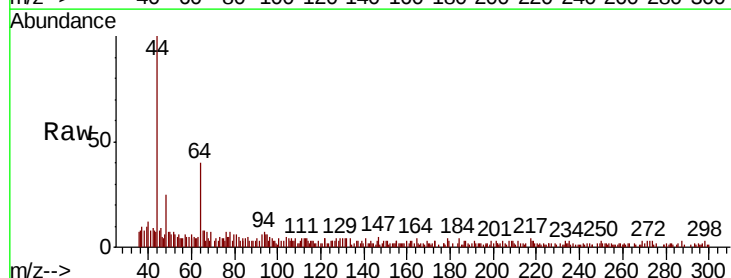
Acq: 18 Dec 2019 18:31

Tgt Ion: 64 Resp: 1580

Ion Ratio Lower Upper

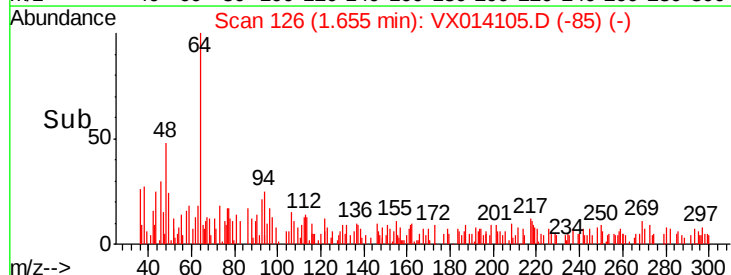
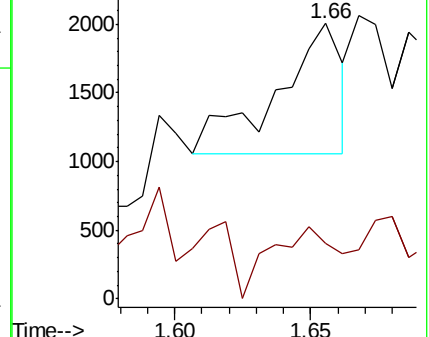
64 100

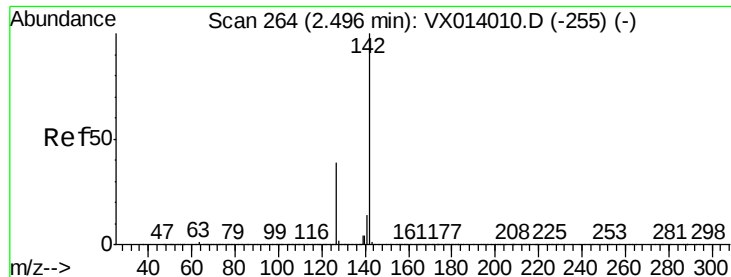
66 24.7 23.4 35.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

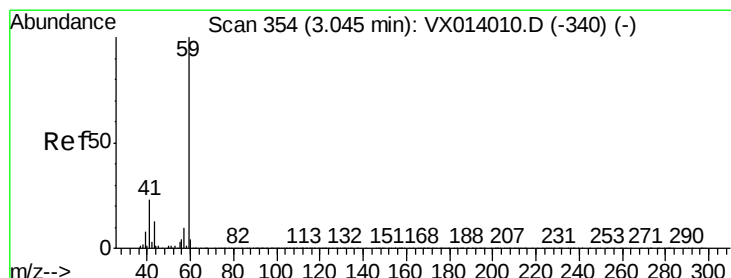
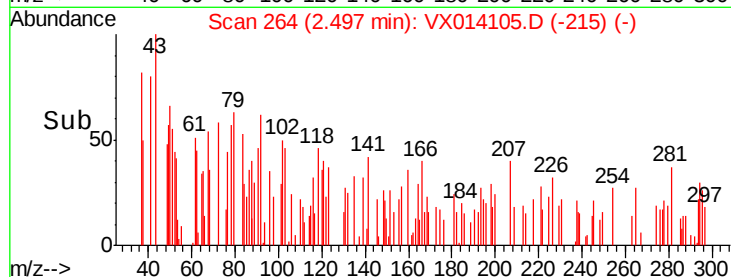
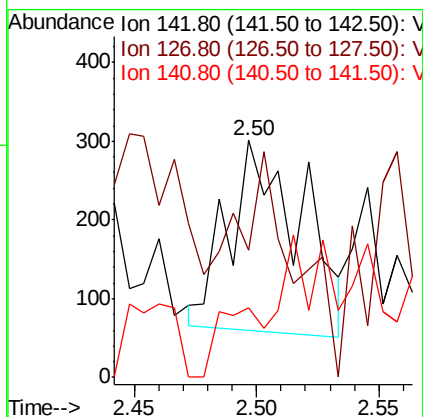
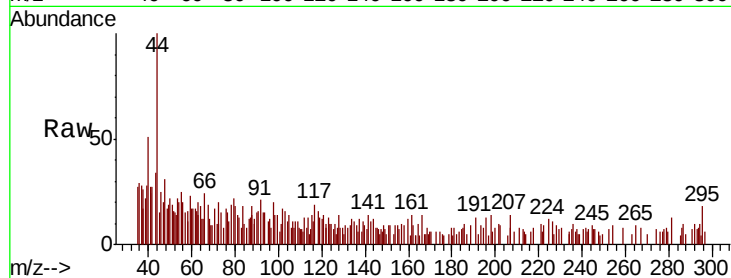




#10
Methyl Iodide
Concen: 2.691 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX014105.D
Acq: 18 Dec 2019 18:31

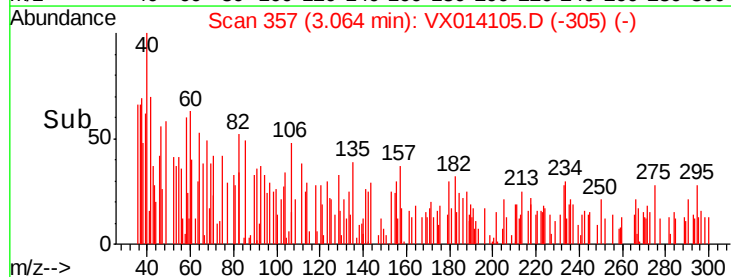
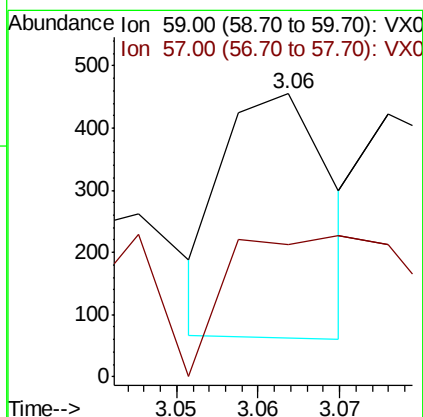
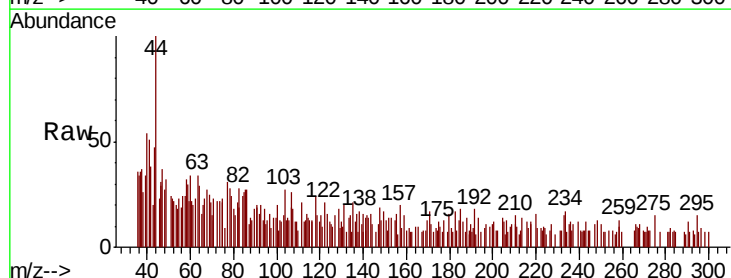
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

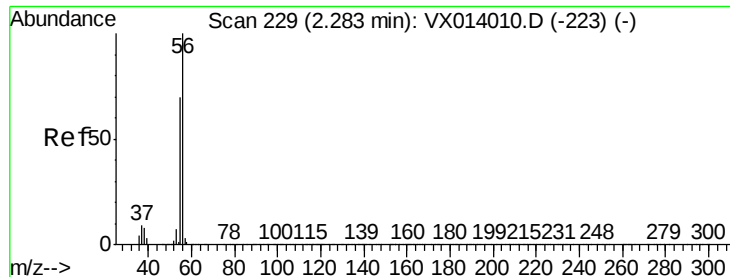
Tot Ion:142 Resp: 498
Ion Ratio Lower Upper
142 100
127 91.2 31.6 47.4#
141 23.1 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.274 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX014105.D
Acq: 18 Dec 2019 18:31

Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 100.8 8.4 12.6#





#13

Acrolein

Concen: 0.271 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

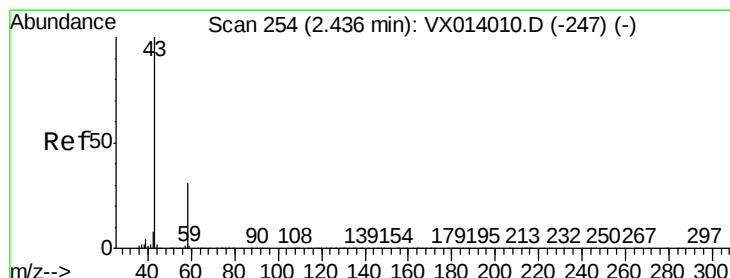
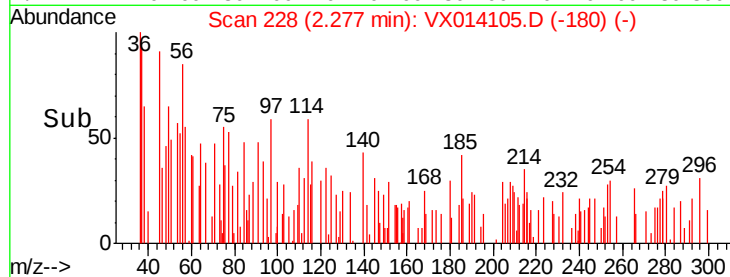
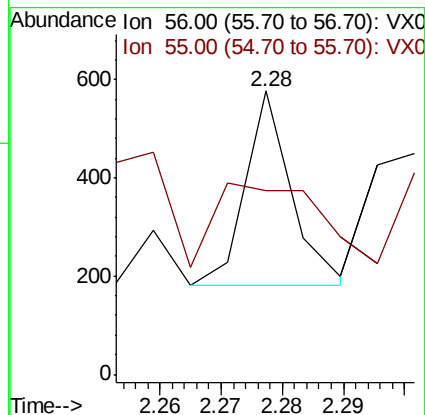
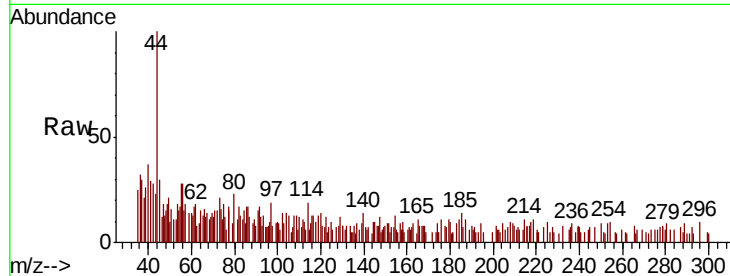
TRIP-BLANK

Tot Ion: 56 Resp: 205

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 2.470 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014105.D

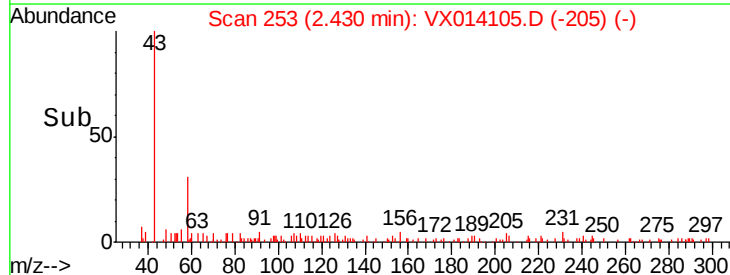
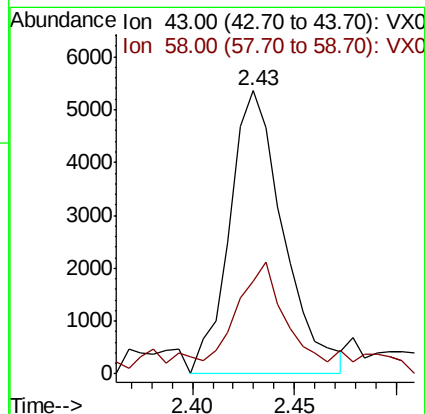
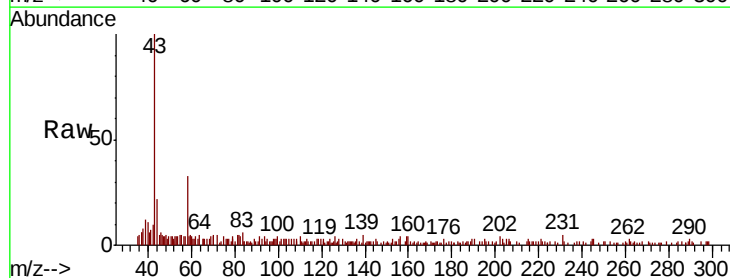
Acq: 18 Dec 2019 18:31

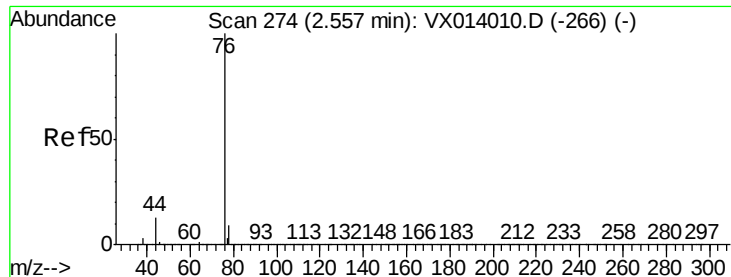
Tgt Ion: 43 Resp: 9796

Ion Ratio Lower Upper

43 100

58 24.1 24.9 37.3#





#17

Carbon Disulfide

Concen: 0.833 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

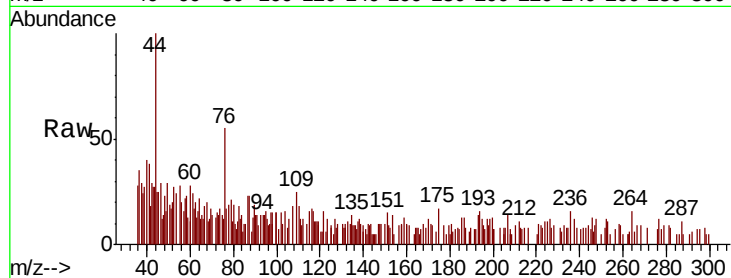
TRIP-BLANK

Tot Ion: 76 Resp: 1212

Ion Ratio Lower Upper

76 100

78 3.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

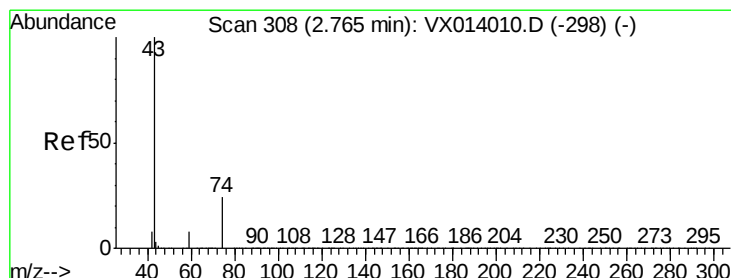
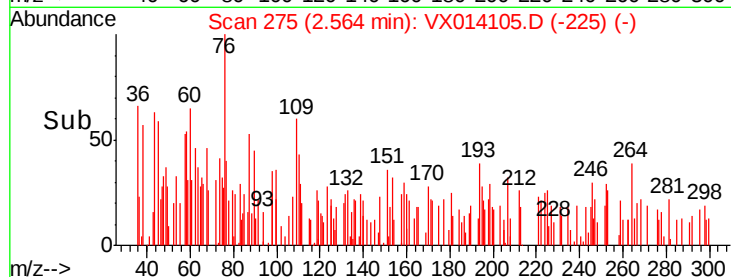
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.215 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX014105.D

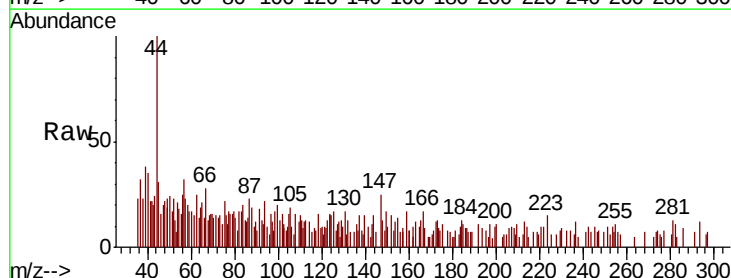
Acq: 18 Dec 2019 18:31

Tgt Ion: 43 Resp: 1693

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

600

500

400

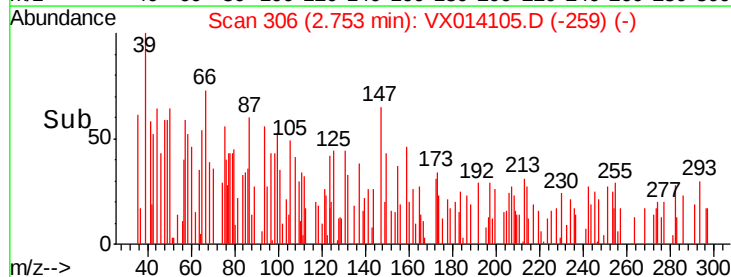
300

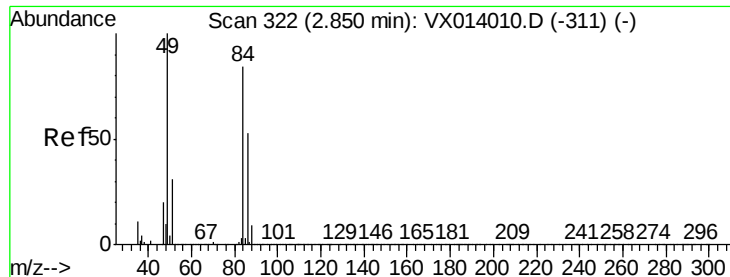
200

100

0

Time-->

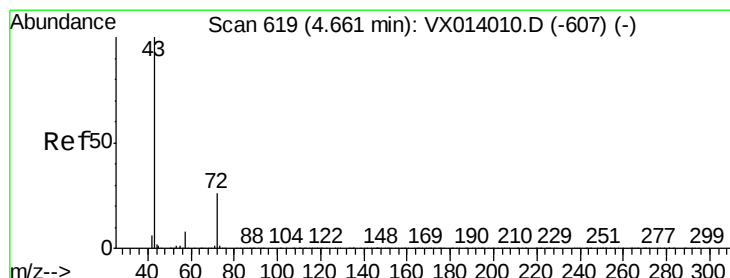
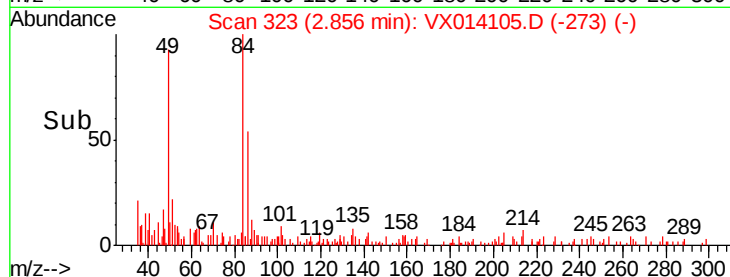
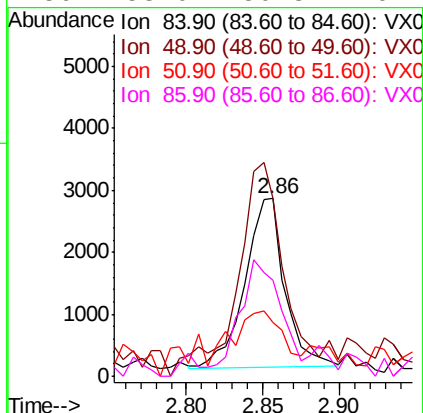
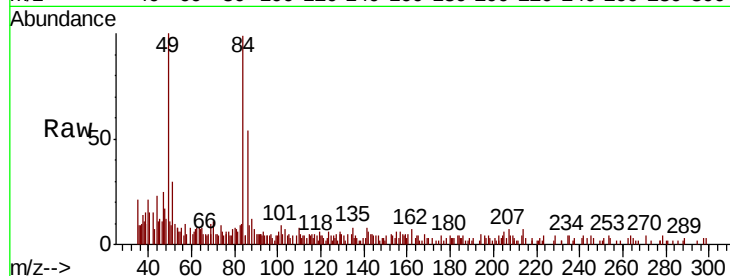




#20
Methvlene Chloride
Concen: 0.790 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014105.D
Acq: 18 Dec 2019 18:31

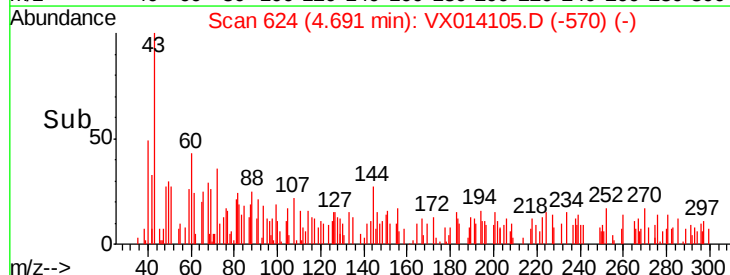
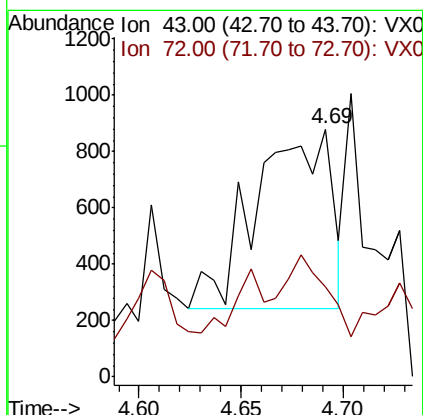
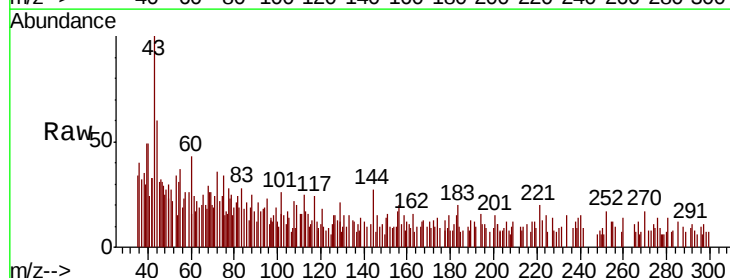
Instrument :
MSVOA_X
ClientSampleId :
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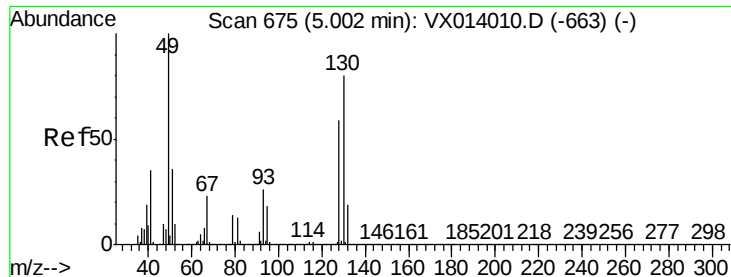
Tot Ion: 84 Resp: 4933
Ion Ratio Lower Upper
84 100
49 96.1 95.8 143.6
51 24.0 29.8 44.8#
86 53.0 50.8 76.2



#25
2-Butanone
Concen: 0.334 ug/l
RT: 4.69 min Scan# 624
Delta R.T. 0.03 min
Lab File: VX014105.D
Acq: 18 Dec 2019 18:31

Tgt Ion: 43 Resp: 1634
Ion Ratio Lower Upper
43 100
72 25.1 21.0 31.4





#28

Bromochloromethane

Concen: 0.503 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

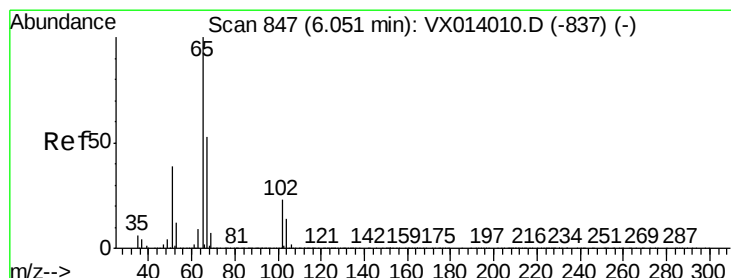
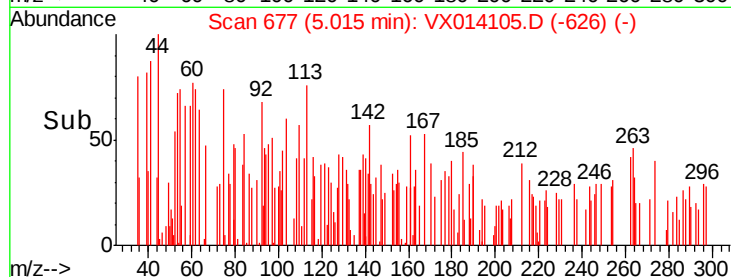
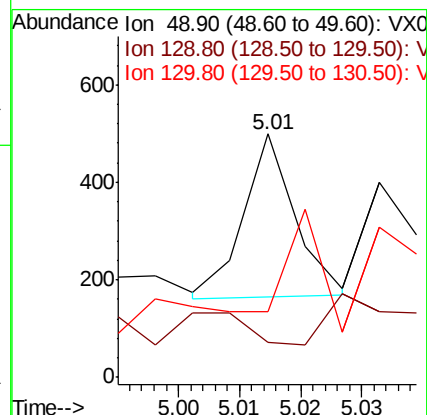
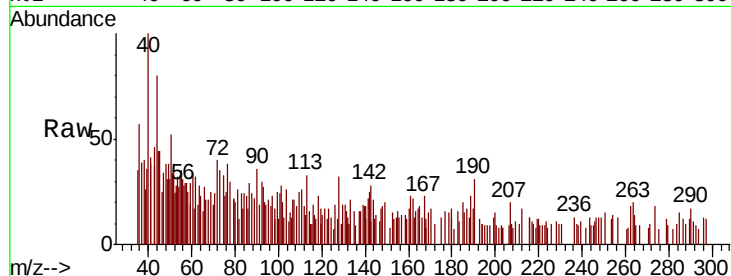
Tot Ion: 49 Resp: 195

Ion Ratio Lower Upper

49 100

129 48.2 0.0 5.0#

130 114.9 64.6 97.0#



#33

1,2-Dichloroethane-d4

Concen: 49.603 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014105.D

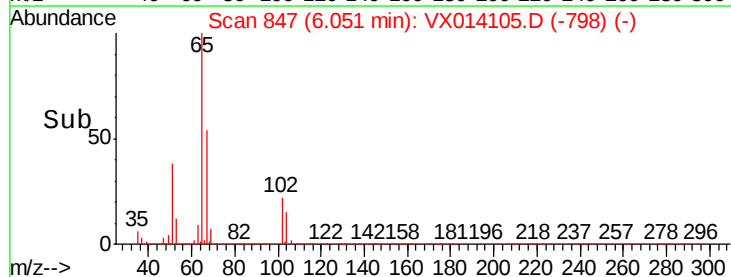
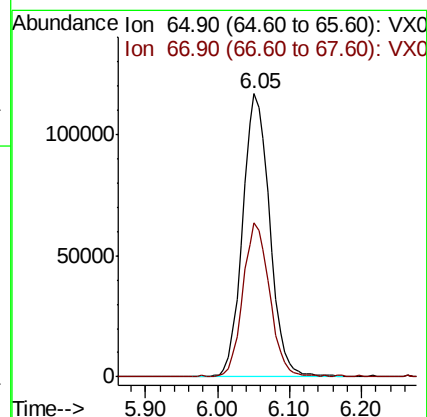
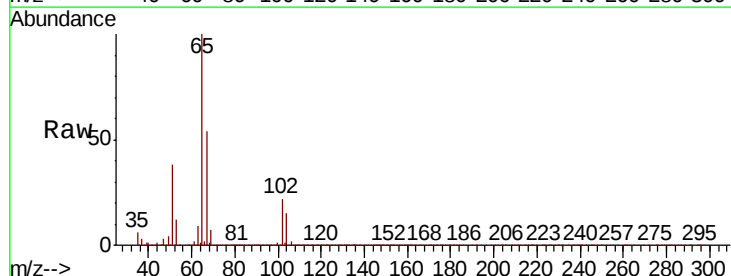
Acq: 18 Dec 2019 18:31

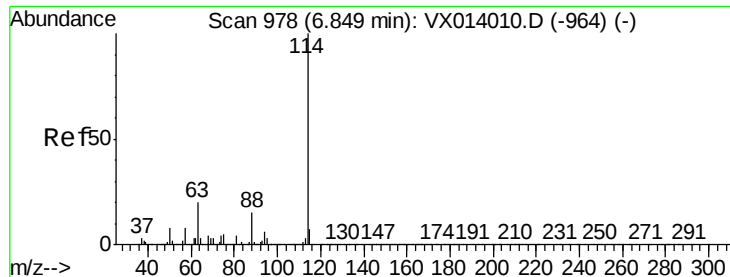
Tgt Ion: 65 Resp: 303019

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

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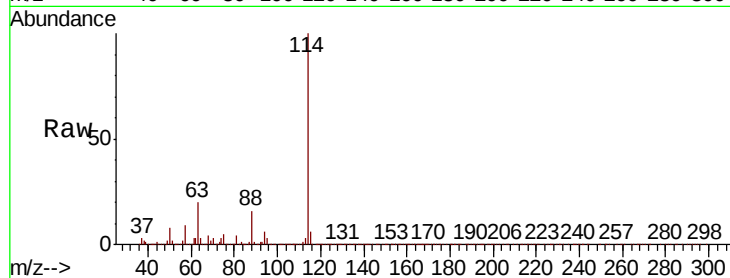
Tot Ion:114 Resp: 837364

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

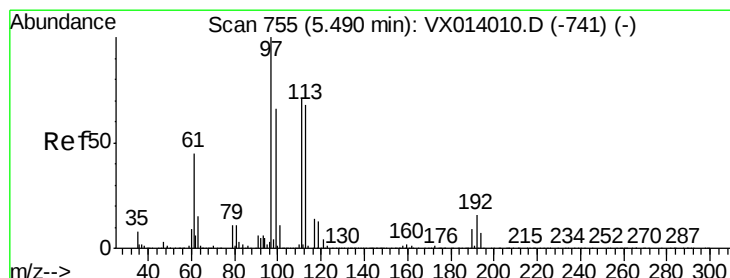
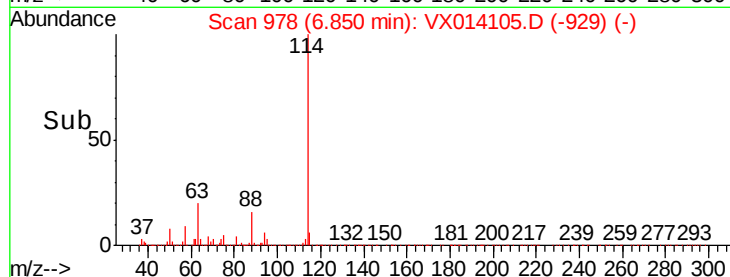
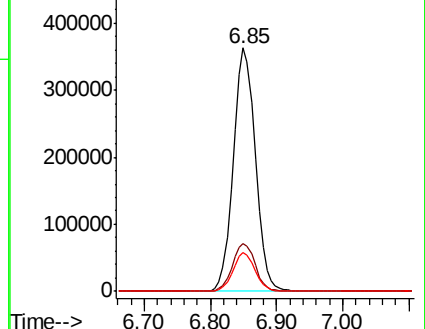
88 16.0 0.0 30.4



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: 48.578 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

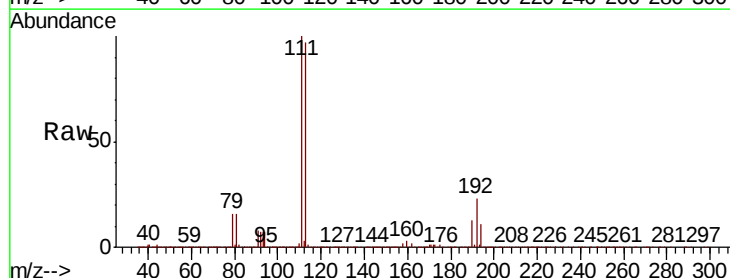
Tgt Ion:113 Resp: 247273

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

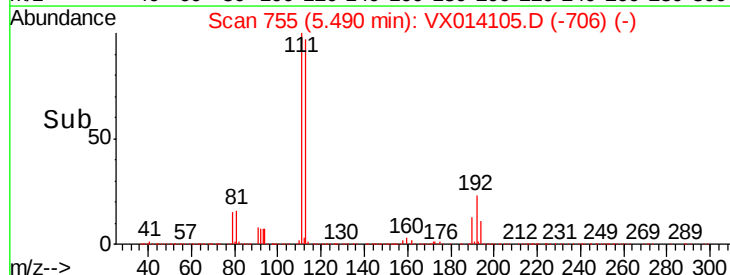
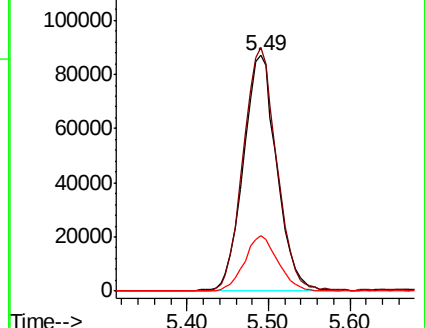
192 23.7 19.3 28.9

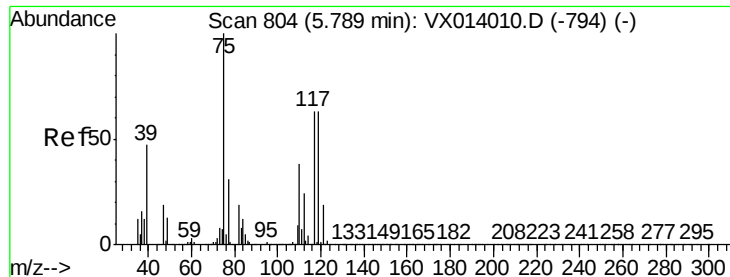


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

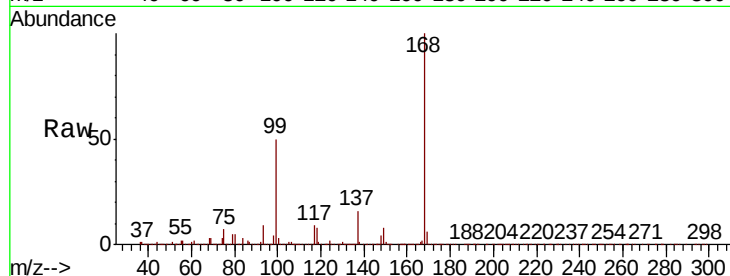
Tot Ion: 75 Resp: 37594

Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.9#

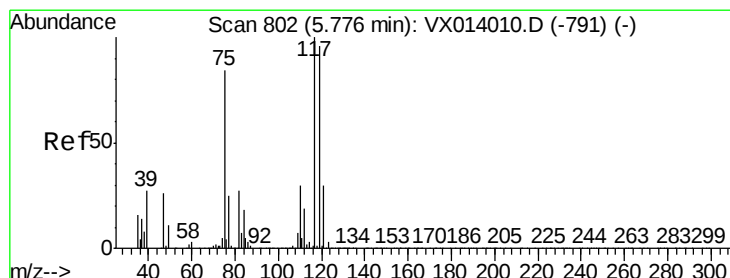
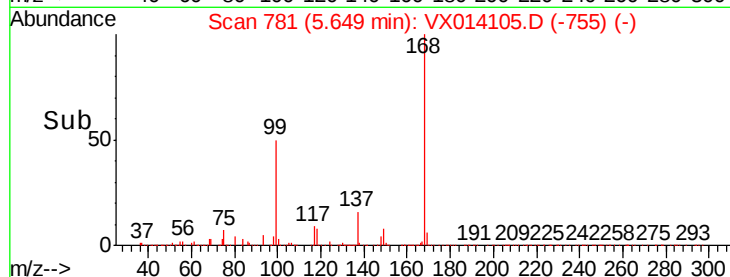
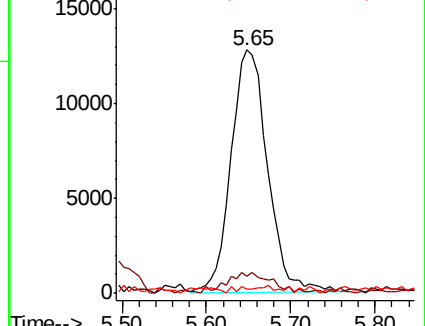
77 1.2 24.8 37.2#



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: 6.708 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

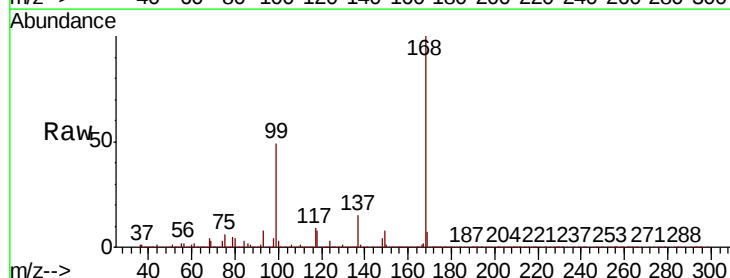
Tgt Ion:117 Resp: 46950

Ion Ratio Lower Upper

117 100

119 3.8 76.2 114.4#

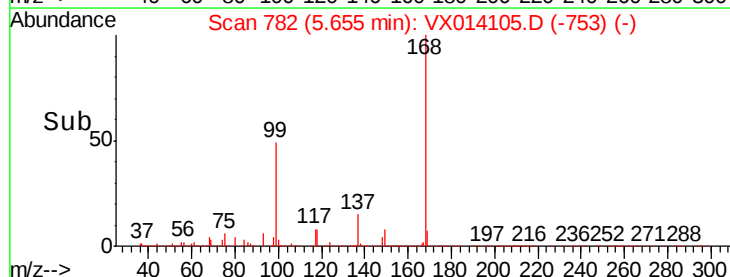
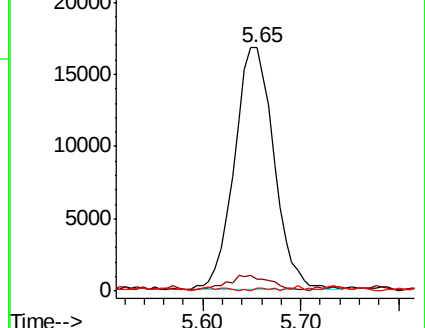
121 0.6 23.6 35.4#

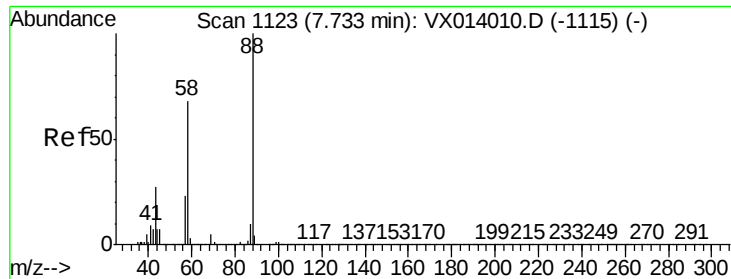


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 3.731 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

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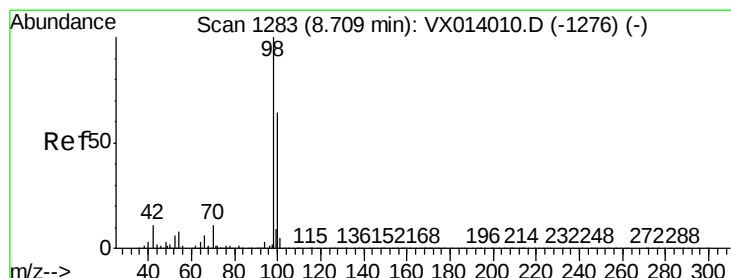
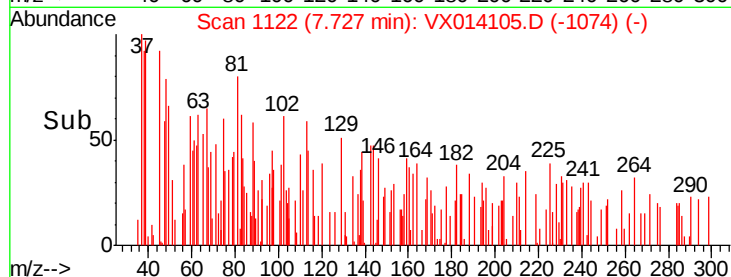
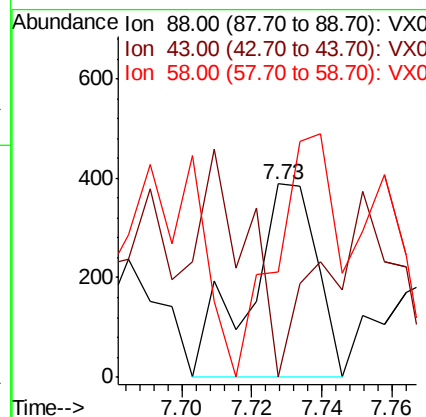
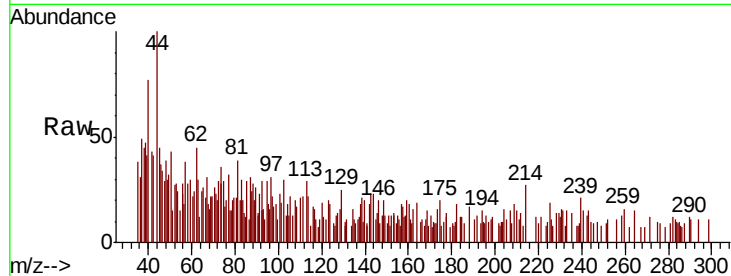
Tot Ion: 88 Resp: 522

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 177.6 56.8 85.2#



#50

Toluene-d8

Concen: 49.780 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014105.D

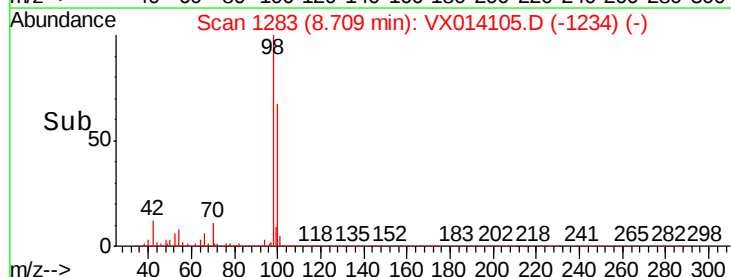
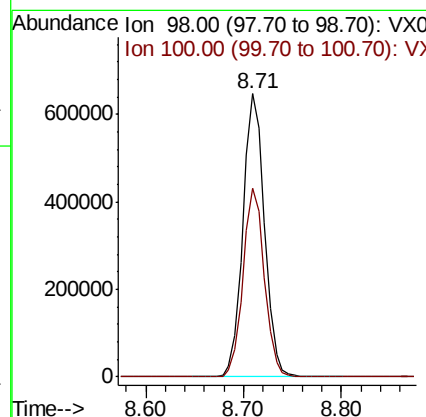
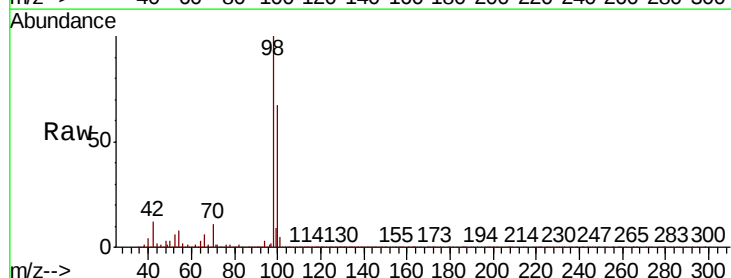
Acq: 18 Dec 2019 18:31

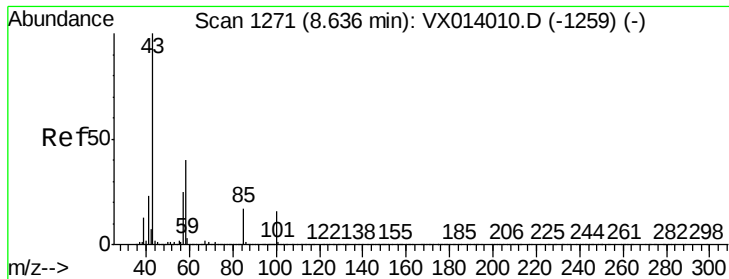
Tgt Ion: 98 Resp: 986513

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.295 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

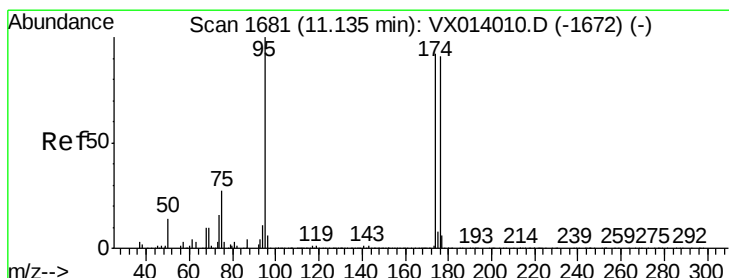
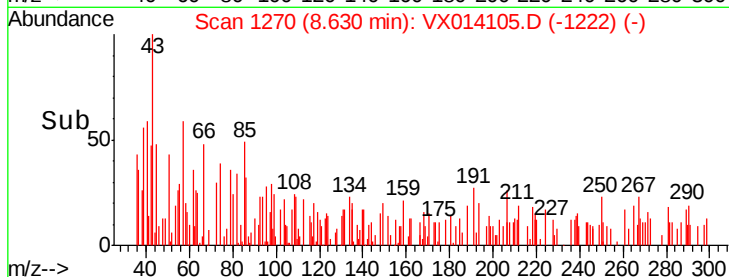
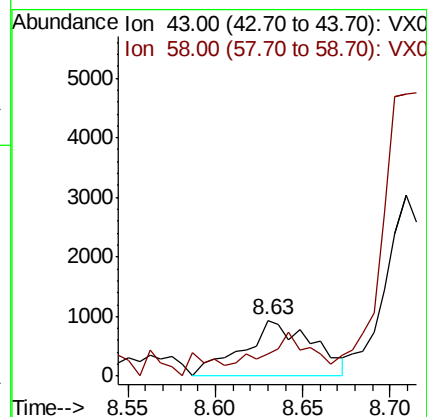
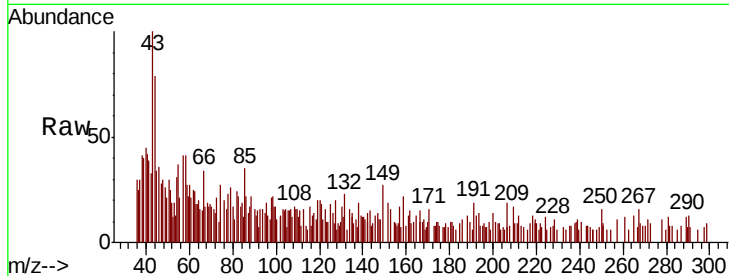
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Tot Ion: 43 Resp: 2601

Ion Ratio Lower Upper

43 100

58 40.0 32.2 48.2



#62

4-Bromofluorobenzene

Concen: 45.073 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

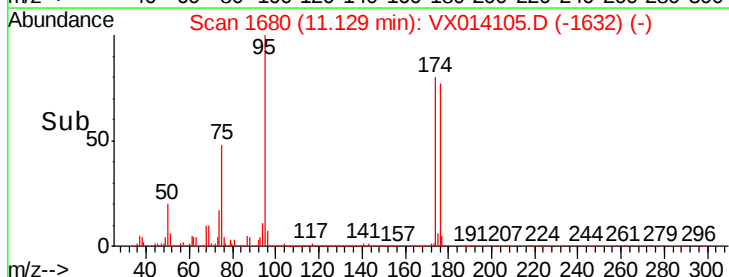
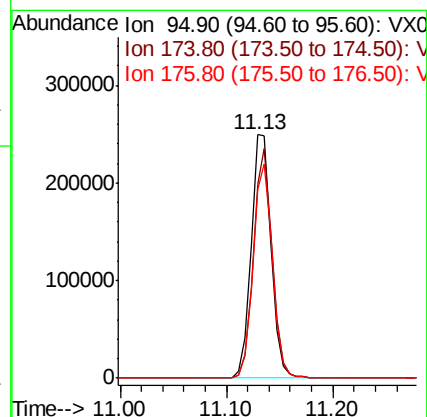
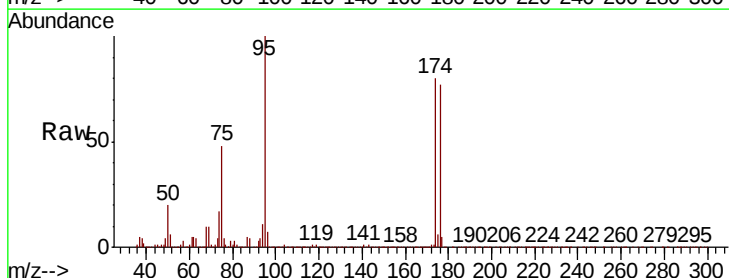
Tgt Ion: 95 Resp: 326515

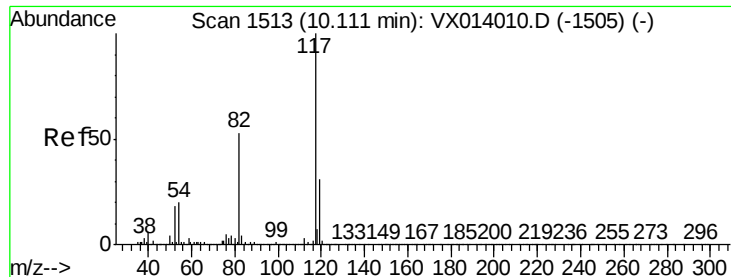
Ion Ratio Lower Upper

95 100

174 88.6 0.0 175.8

176 85.5 0.0 173.0

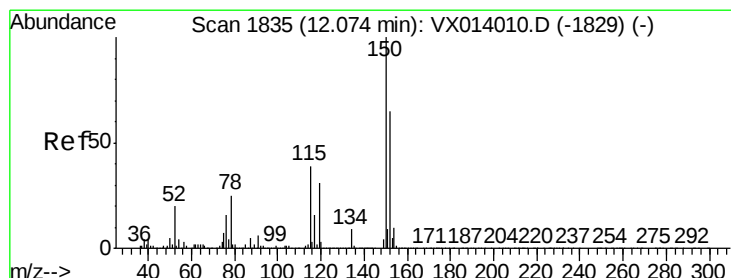
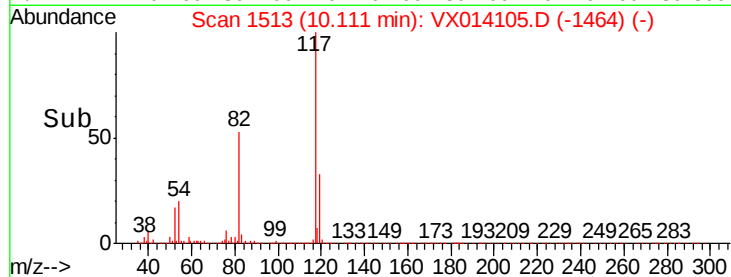
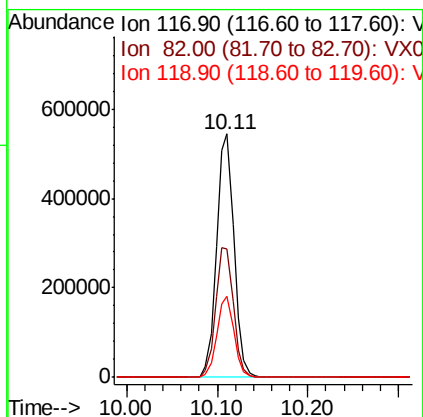
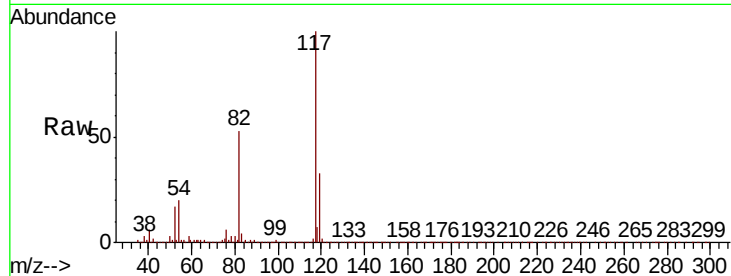




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014105.D
Acq: 18 Dec 2019 18:31

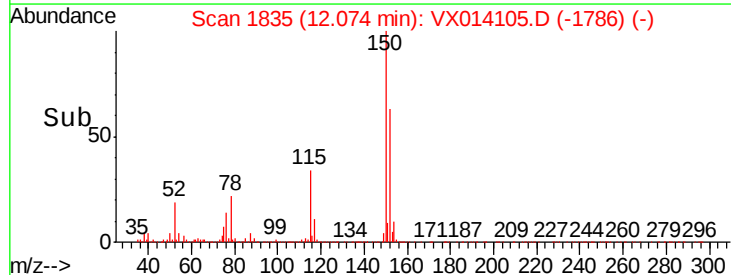
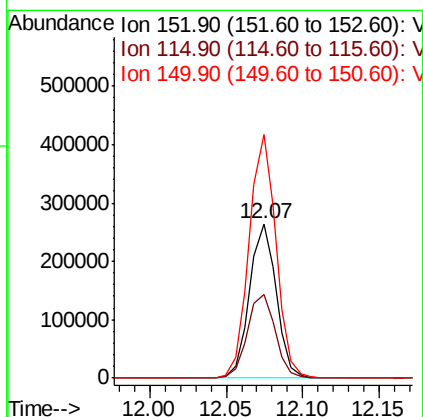
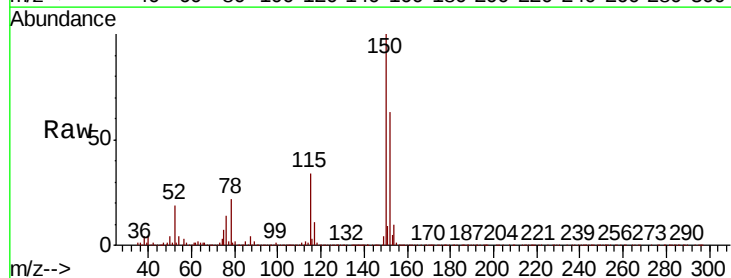
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

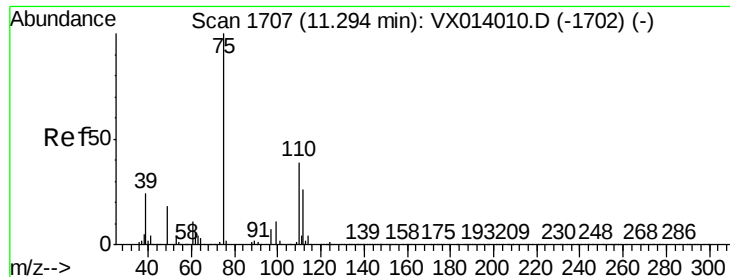
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	33.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014105.D
Acq: 18 Dec 2019 18:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	38.3	114.9
150	158.6	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.703 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

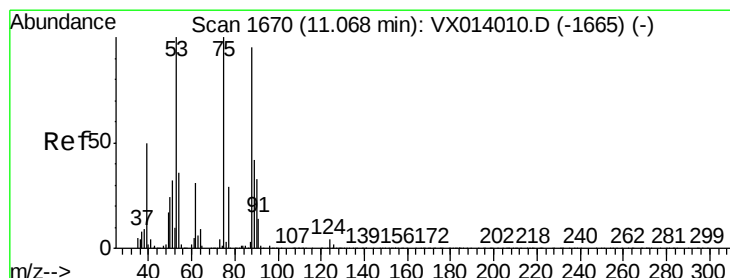
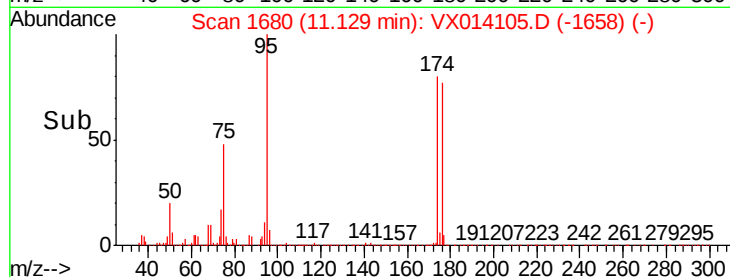
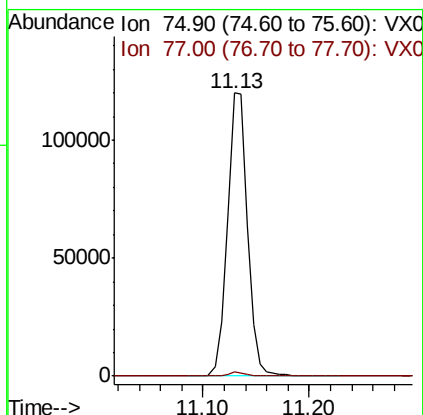
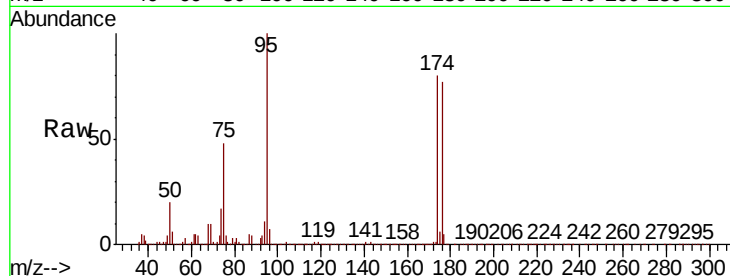
TRIP-BLANK

Tot Ion: 75 Resp: 157902

Ion Ratio Lower Upper

75 100

77 1.2 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.078 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Tgt Ion: 75 Resp: 157902

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.1 34.6 51.8#

