

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082020\
 Data File : VX018030.D
 Acq On : 20 Aug 2020 13:24
 Operator : JC/SP
 Sample : L3694-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANKS

Quant Time: Aug 21 01:24:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	583282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	921355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	851149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	417383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	376633	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	
35) Dibromofluoromethane	5.47	113	310213	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
50) Toluene-d8	8.70	98	1100237	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
62) 4-Bromofluorobenzene	11.12	95	412356	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

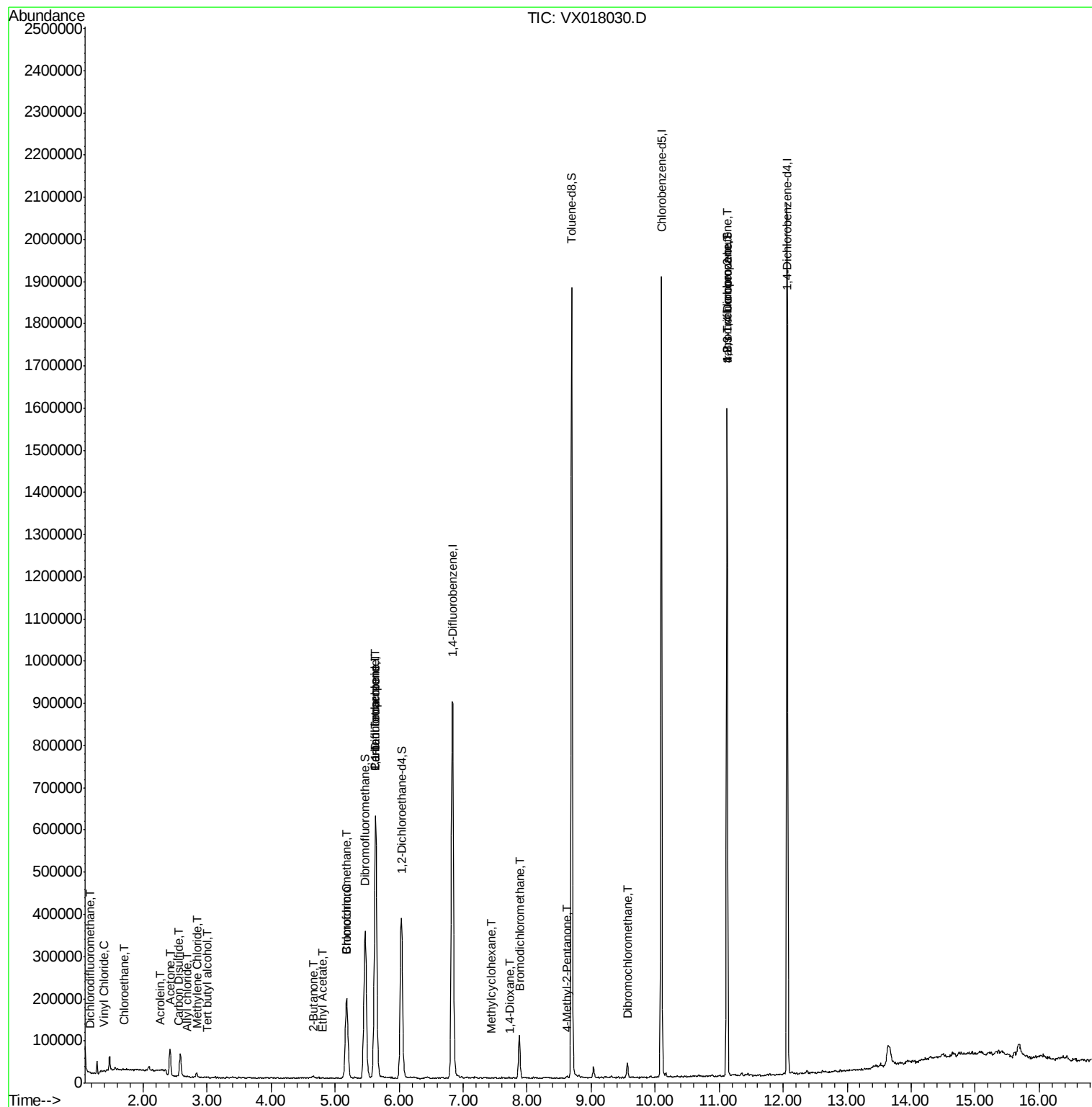
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	262	1.018	ug/l #	44
4) Vinyl Chloride	1.38	62	669	2.337	ug/l #	44
6) Chloroethane	1.72	64	875	0.200	ug/l #	74
11) Tert butyl alcohol	3.01	59	1172	0.710	ug/l #	75
13) Acrolein	2.27	56	259	0.297	ug/l #	1
14) Allyl chloride	2.69	41	2216	0.236	ug/l #	83
16) Acetone	2.42	43	69925	20.787	ug/l	99
17) Carbon Disulfide	2.56	76	2592	0.203	ug/l #	94
20) Methylene Chloride	2.84	84	4643	0.749	ug/l #	82
25) 2-Butanone	4.67	43	2878	0.565	ug/l #	73
28) Bromochloromethane	5.17	49	18420	3.271	ug/l #	8
30) Chloroform	5.18	83	233673	19.620	ug/l	99
36) 1,1-Dichloropropene	5.63	75	43524	5.644	ug/l #	50
37) Ethyl Acetate	4.80	43	1848	0.200	ug/l #	86
38) Carbon Tetrachloride	5.63	117	58266	5.838	ug/l #	17
39) Methylcyclohexane	7.45	83	431	0.856	ug/l #	28
47) Bromodichloromethane	7.88	83	66342	6.580	ug/l	91
49) 1,4-Dioxane	7.73	88	545	3.605	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2949	0.294	ug/l #	59
60) Dibromochloromethane	9.57	129	14056	1.612	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	205185	23.116	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	205185	60.729	ug/l #	12

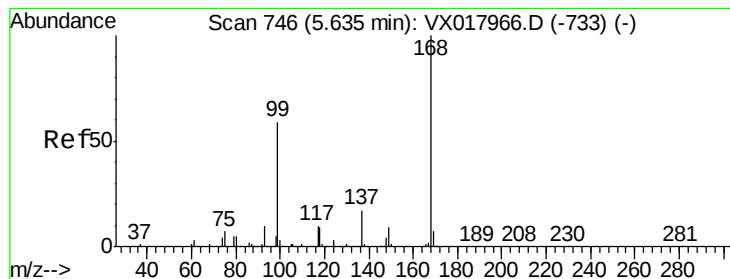
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

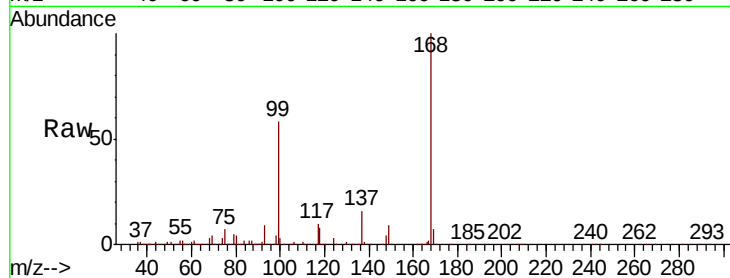
TRIP-BLANKS

Tot Ion:168 Resp: 583282

Ion Ratio Lower Upper

168 100

99 58.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

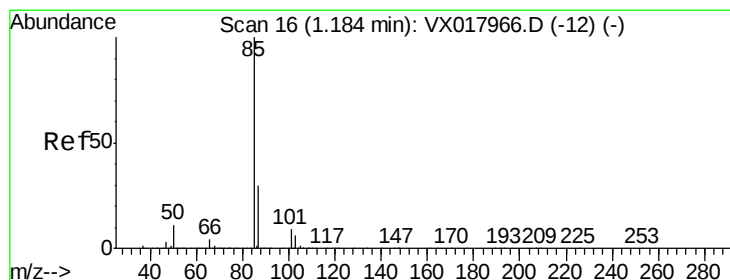
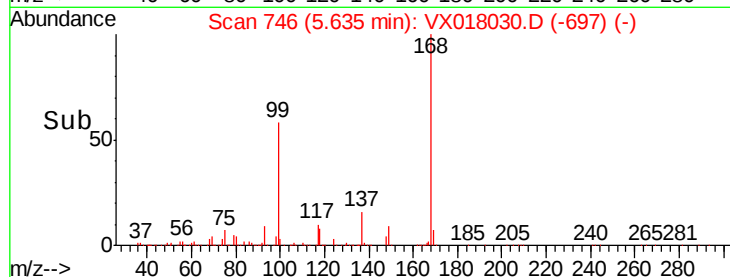
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.018 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018030.D

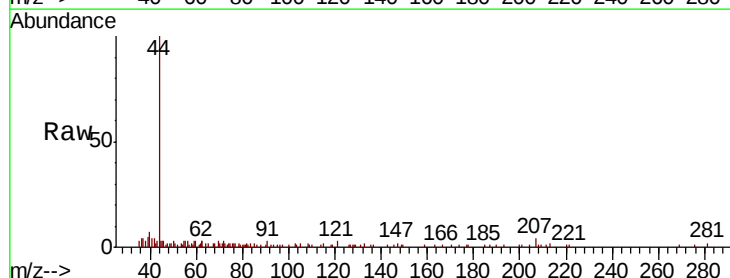
Acq: 20 Aug 2020 13:24

Tgt Ion: 85 Resp: 262

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

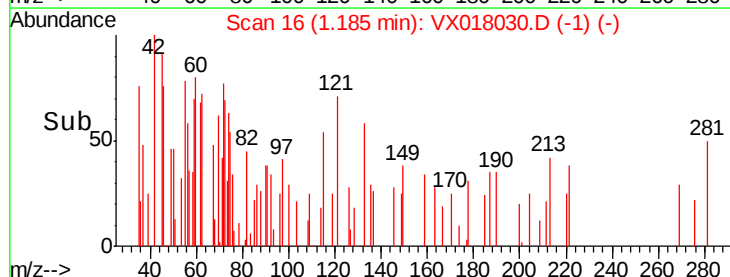
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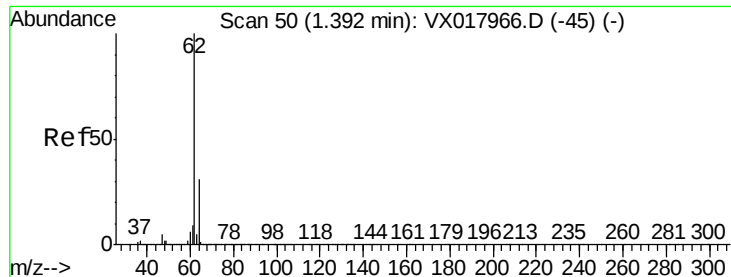
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.337 ug/l

RT: 1.38 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampled :

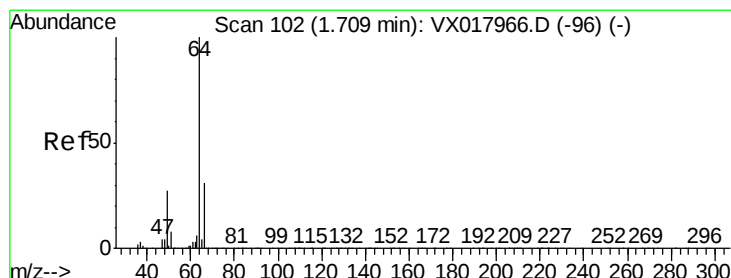
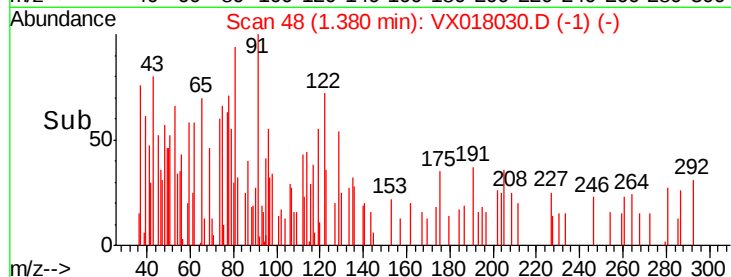
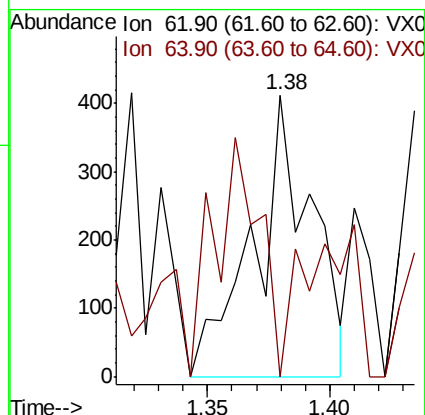
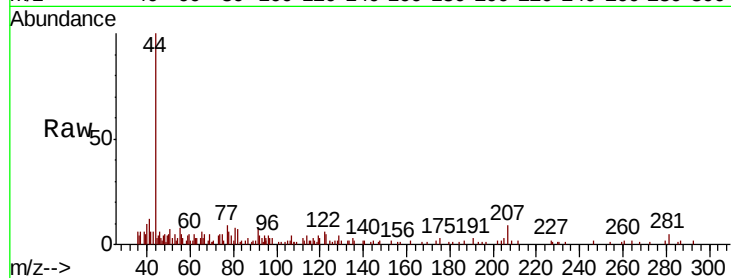
TRIP-BLANKS

Tot Ion: 62 Resp: 669

Ion Ratio Lower Upper

62 100

64 0.0 24.7 37.1#



#6

Chloroethane

Concen: 0.200 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018030.D

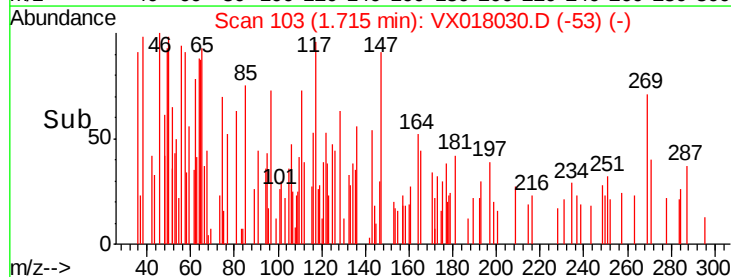
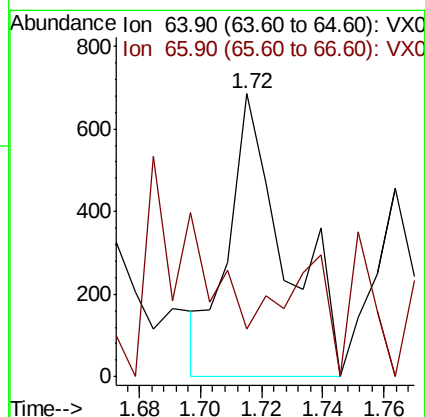
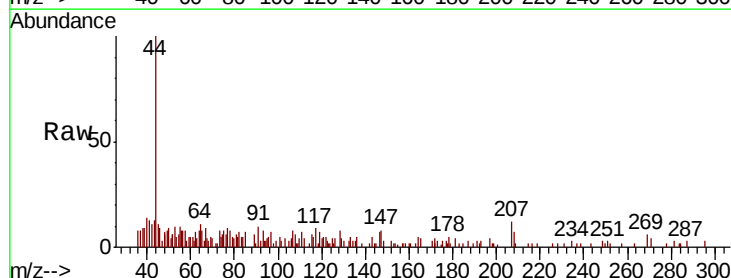
Acq: 20 Aug 2020 13:24

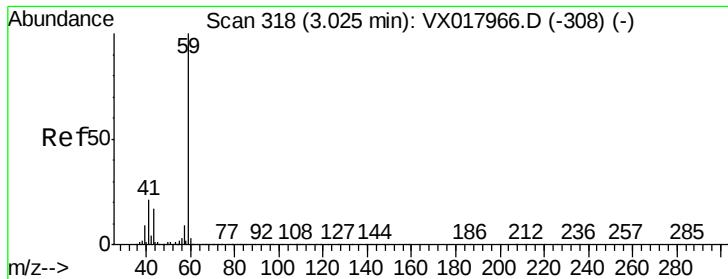
Tgt Ion: 64 Resp: 875

Ion Ratio Lower Upper

64 100

66 17.1 25.0 37.4#



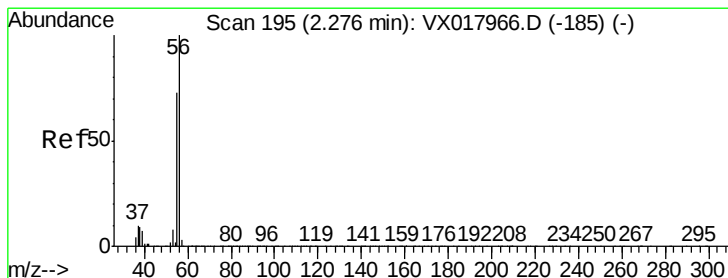
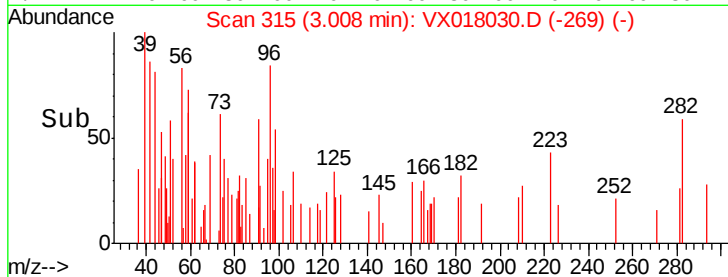
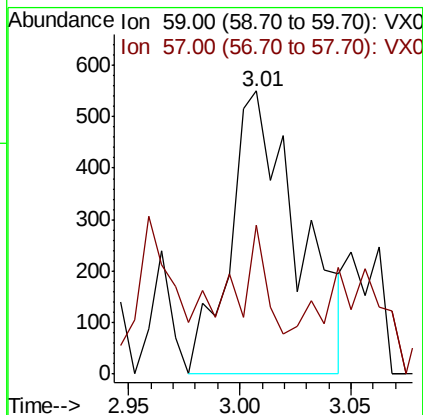
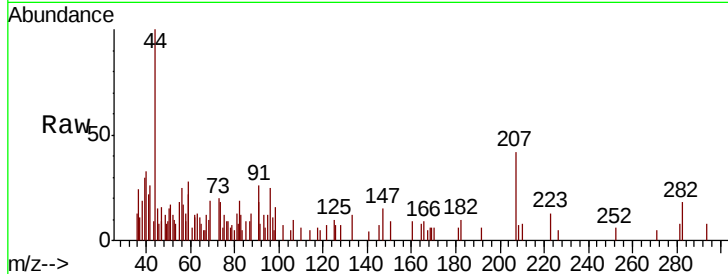


#11

Tert butyl alcohol
 Concen: 0.710 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VX018030.D
 Acq: 20 Aug 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANKS

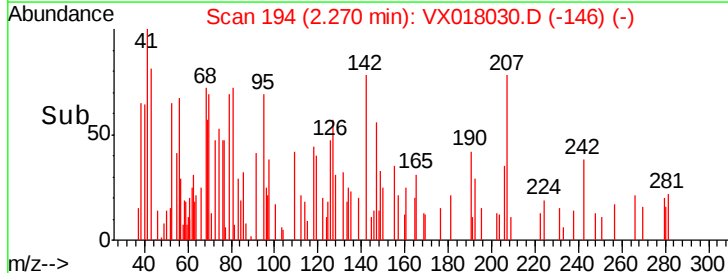
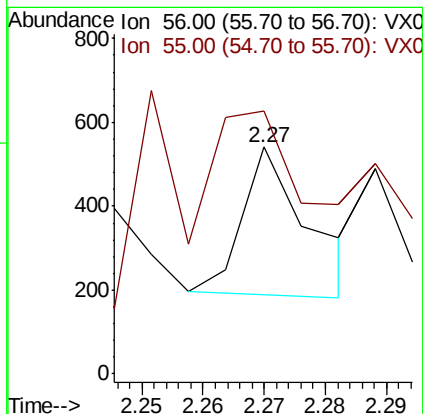
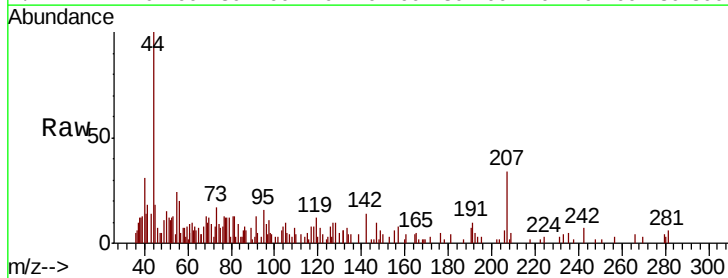
Tot Ion: 59 Resp: 1172
 Ion Ratio Lower Upper
 59 100
 57 20.3 8.6 13.0#

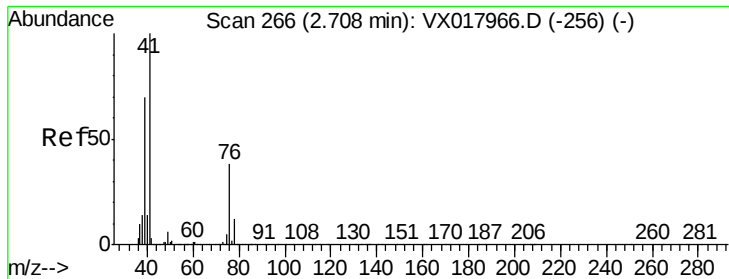


#13

Acrolein
 Concen: 0.297 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX018030.D
 Acq: 20 Aug 2020 13:24

Tgt Ion: 56 Resp: 259
 Ion Ratio Lower Upper
 56 100
 55 298.5 58.2 87.4#





#14

Allvl chloride

Concen: 0.236 ug/l

RT: 2.69 min Scan# 263

Delta R.T. -0.02 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANKS

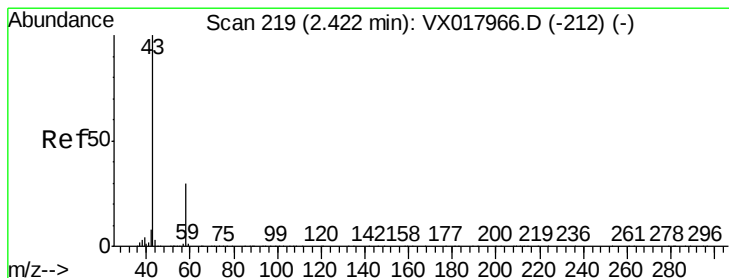
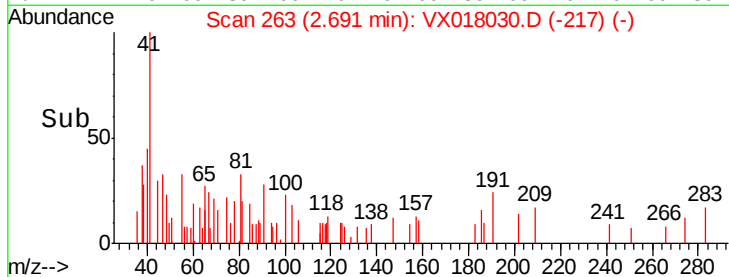
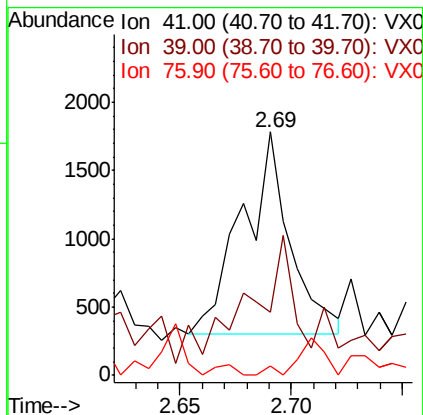
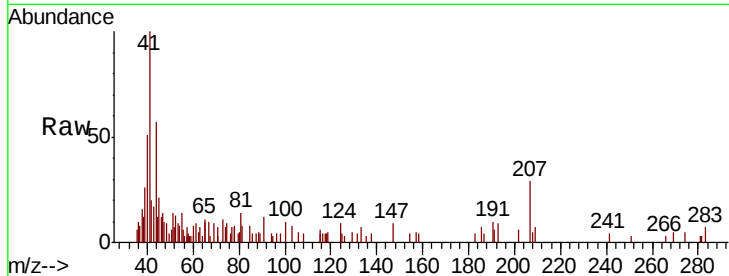
Tot Ion: 41 Resp: 2216

Ion Ratio Lower Upper

41 100

39 60.4 51.7 77.5

76 10.5 26.3 39.5#



#16

Acetone

Concen: 20.787 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018030.D

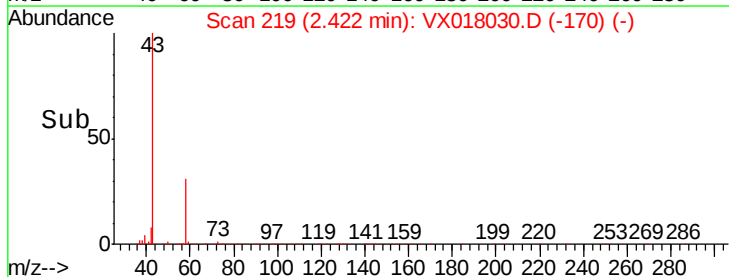
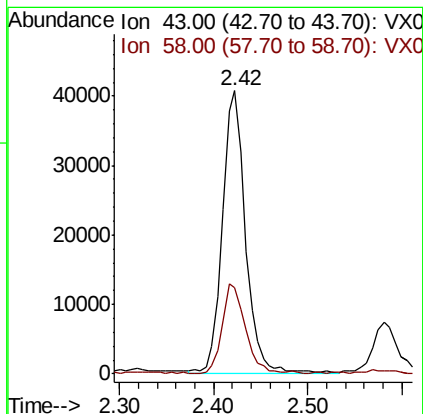
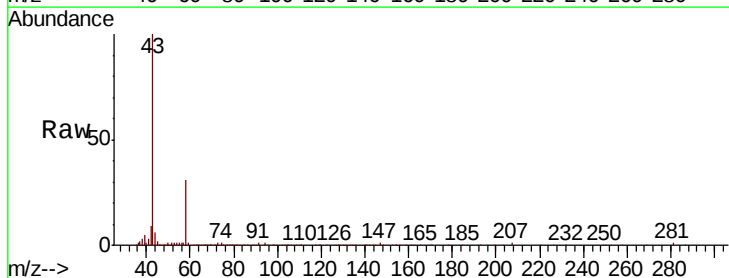
Acq: 20 Aug 2020 13:24

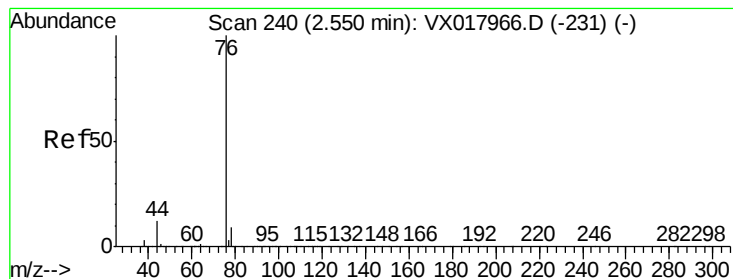
Tgt Ion: 43 Resp: 69925

Ion Ratio Lower Upper

43 100

58 30.5 23.8 35.8





#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

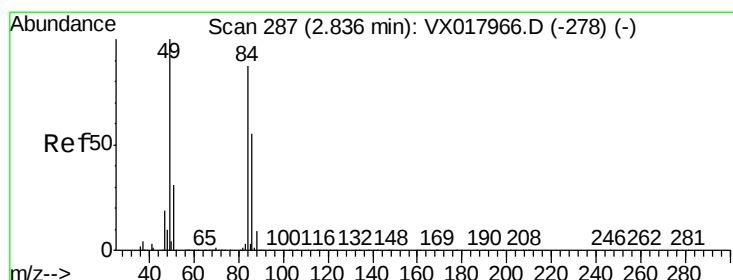
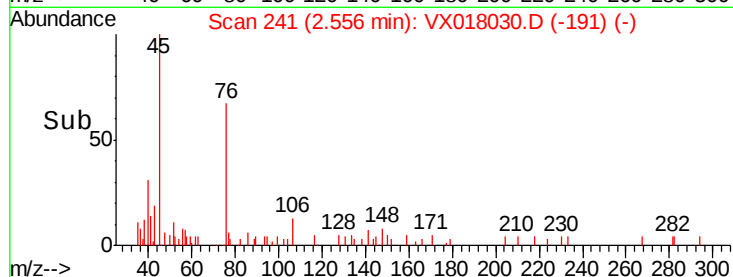
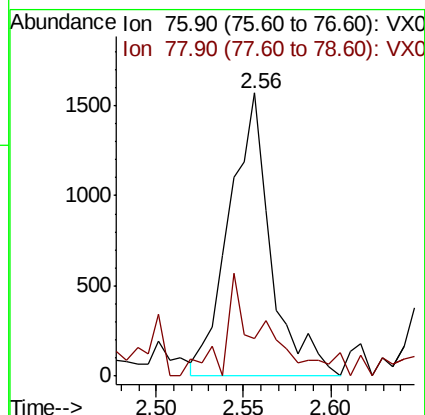
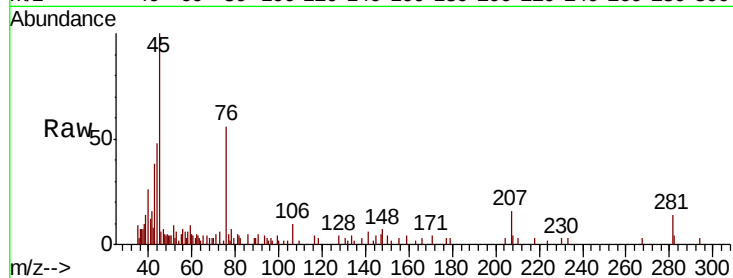
TRIP-BLANKS

Tot Ion: 76 Resp: 2592

Ion Ratio Lower Upper

76 100

78 7.0 7.3 10.9#



#20

Methylene Chloride

Concen: 0.749 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Tgt Ion: 84 Resp: 4643

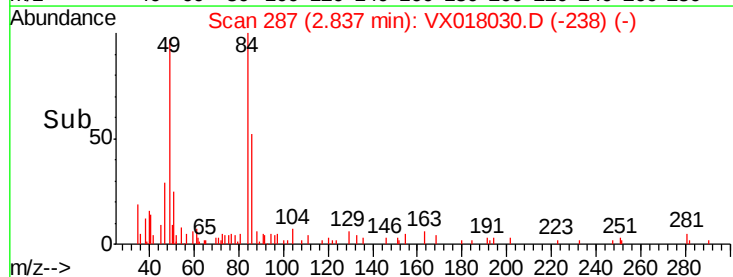
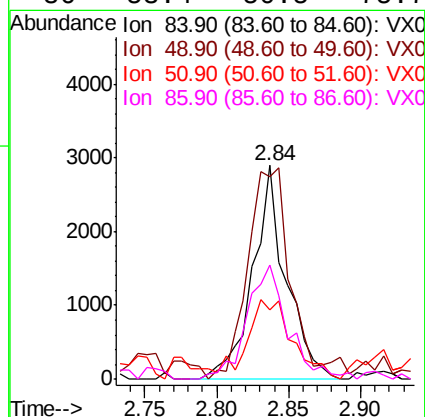
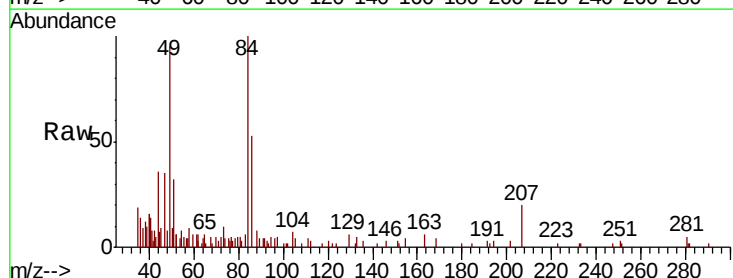
Ion Ratio Lower Upper

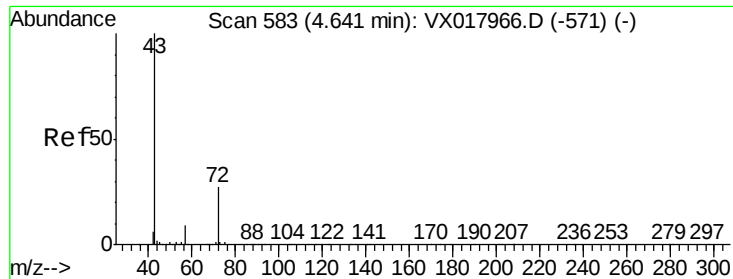
84 100

49 87.8 91.8 137.6#

51 32.3 27.8 41.8

86 53.4 50.5 75.7

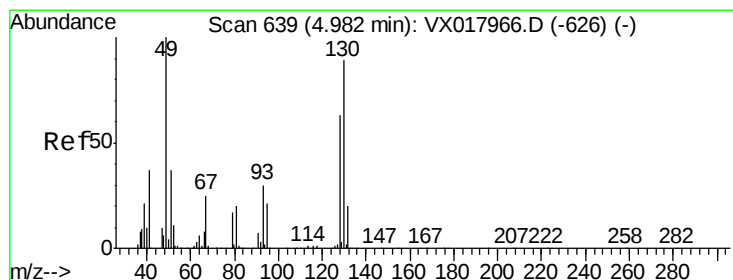
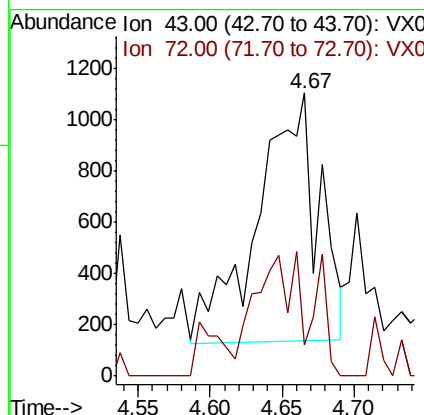
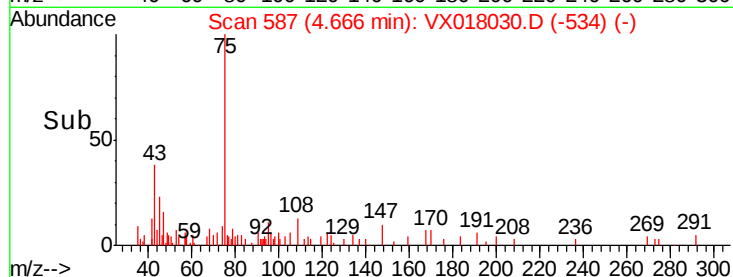
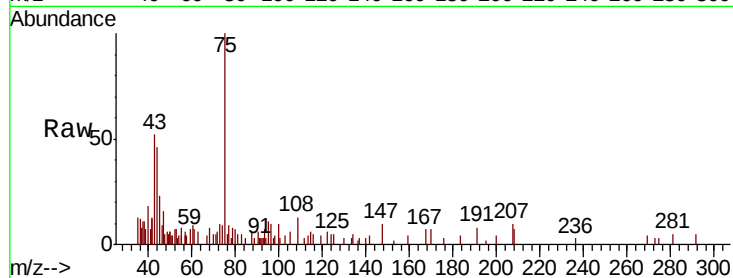




#25
2-Butanone
Concen: 0.565 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

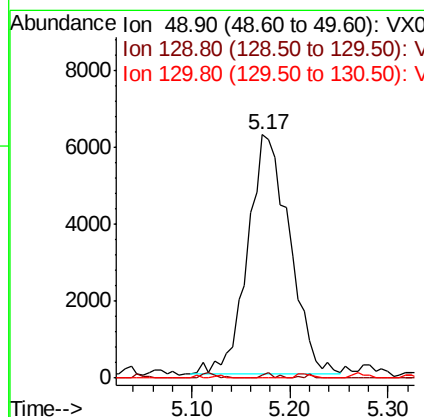
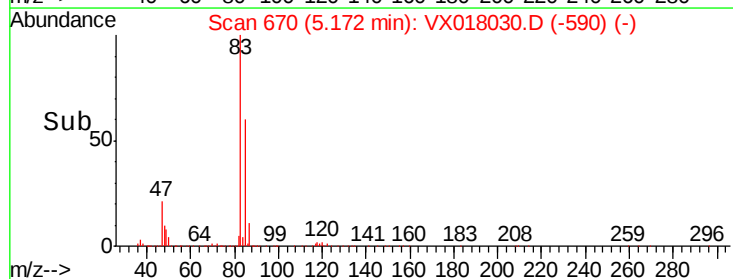
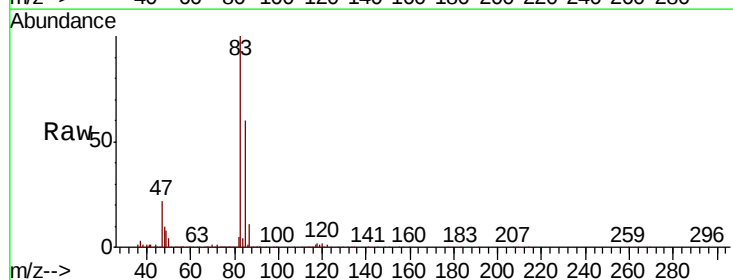
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TRIP-BLANKS

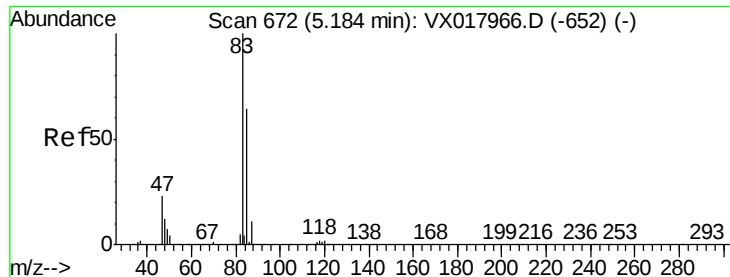
Tot Ion: 43 Resp: 2878
Ion Ratio Lower Upper
43 100
72 12.7 21.4 32.2#



#28
Bromochloromethane
Concen: 3.271 ug/l
RT: 5.17 min Scan# 670
Delta R.T. 0.19 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

Tgt Ion: 49 Resp: 18420
Ion Ratio Lower Upper
49 100
129 0.6 0.0 3.6
130 0.0 68.5 102.7#

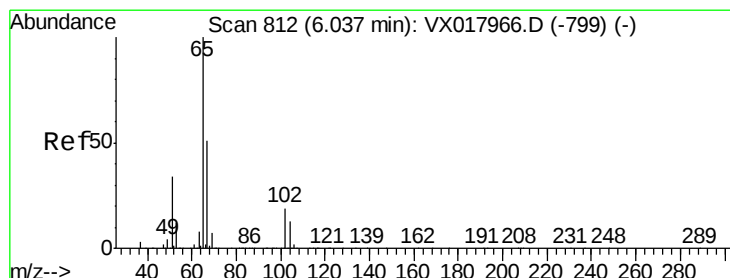
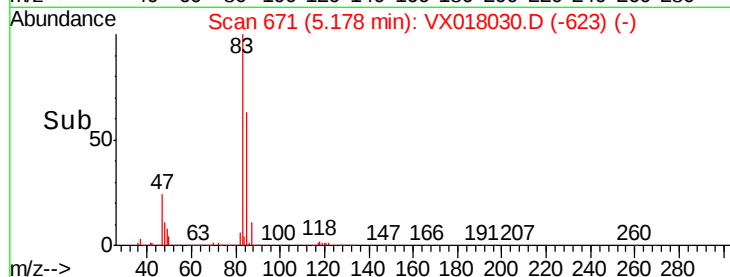
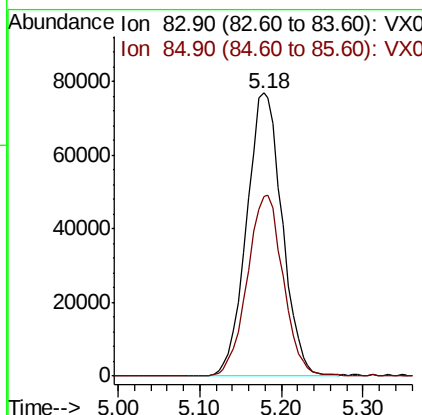
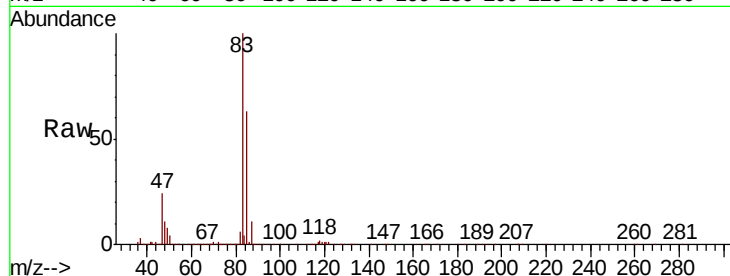




#30
Chloroform
Concen: 19.620 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

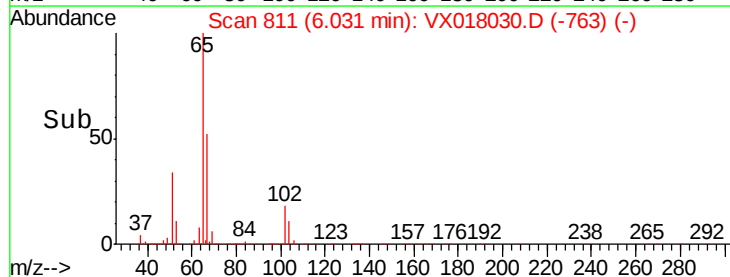
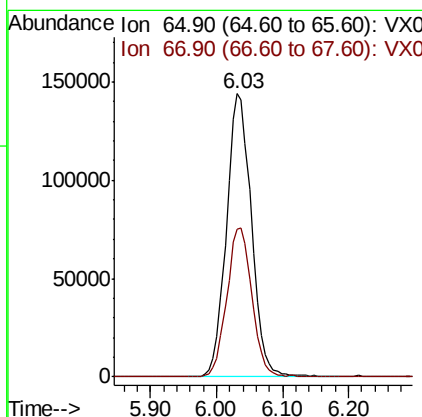
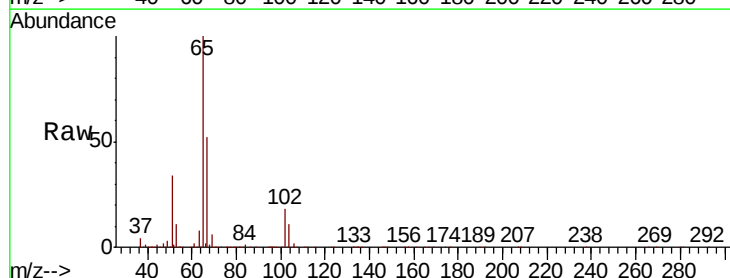
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANKS

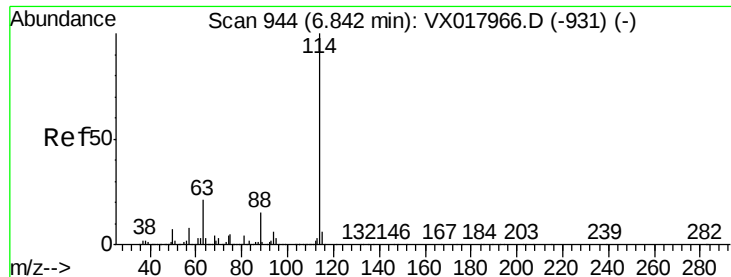
Tot Ion: 83 Resp: 233673
Ion Ratio Lower Upper
83 100
85 63.1 51.3 76.9



#33
1,2-Dichloroethane-d4
Concen: 44.048 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

Tgt Ion: 65 Resp: 376633
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANKS

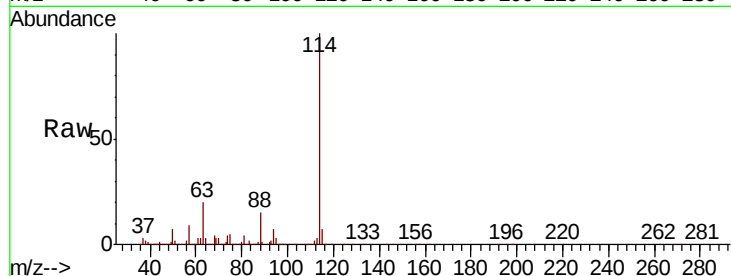
Tot Ion:114 Resp: 921355

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

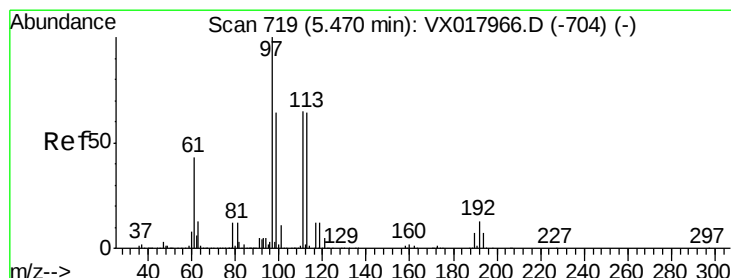
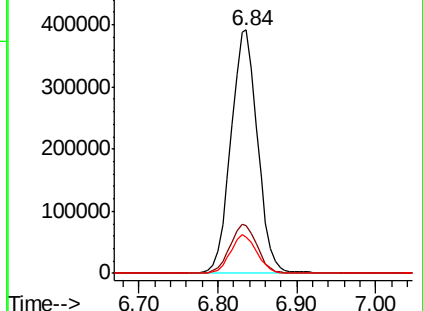
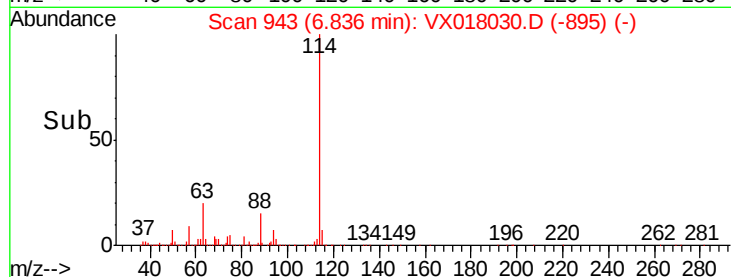
88 15.1 0.0 30.2



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: 45.213 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

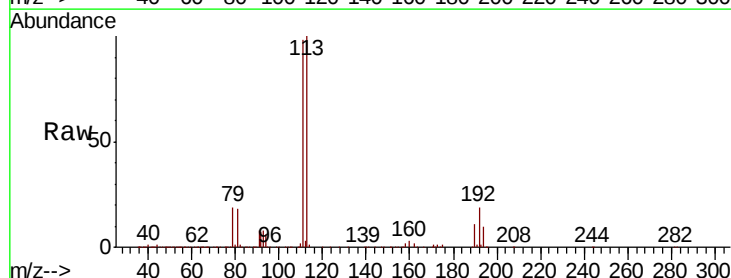
Tgt Ion:113 Resp: 310213

Ion Ratio Lower Upper

113 100

111 101.2 83.5 125.3

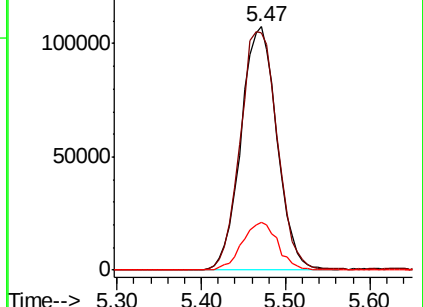
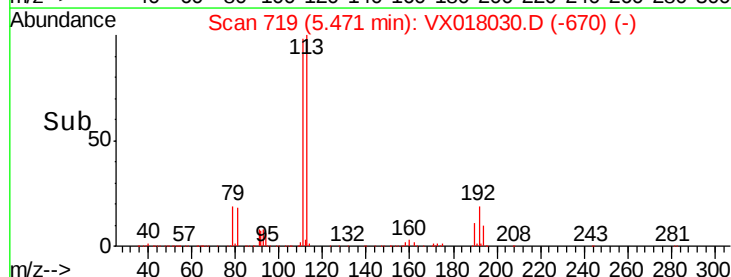
192 19.8 16.2 24.4

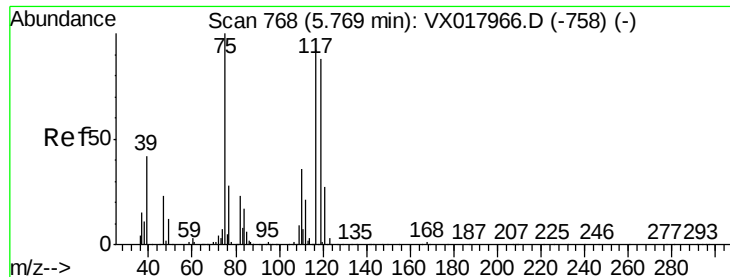


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.644 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANKS

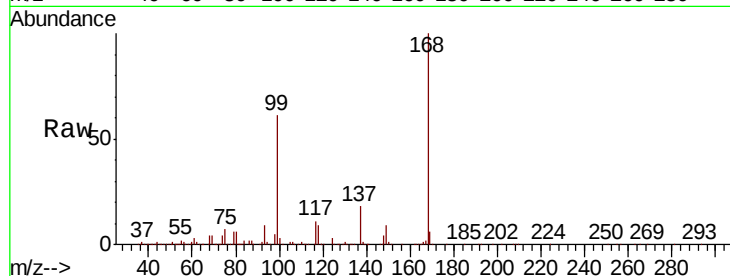
Tot Ion: 75 Resp: 43524

Ion Ratio Lower Upper

75 100

110 9.4 18.7 56.1#

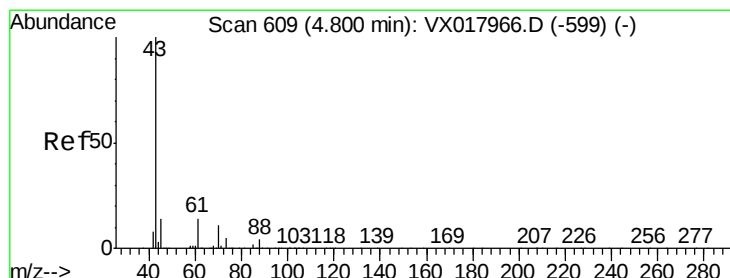
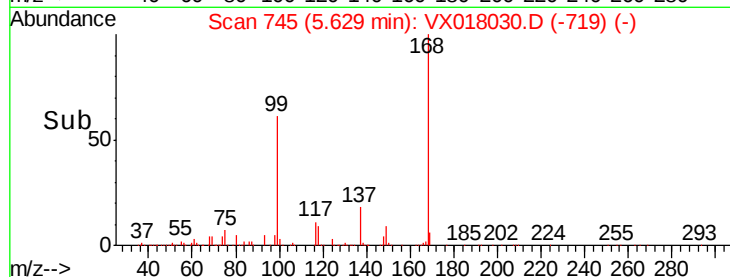
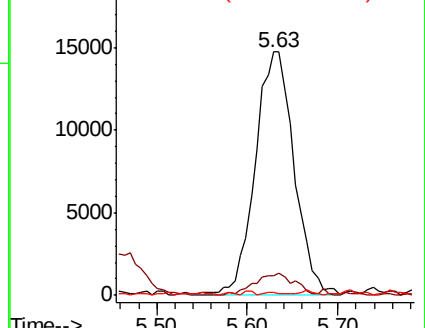
77 0.6 24.4 36.6#



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: 0.200 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.00 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

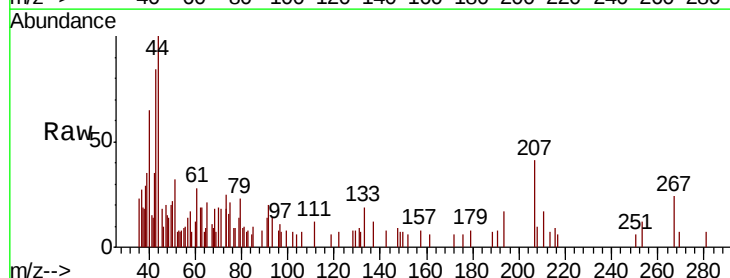
Tgt Ion: 43 Resp: 1848

Ion Ratio Lower Upper

43 100

61 17.7 11.3 16.9#

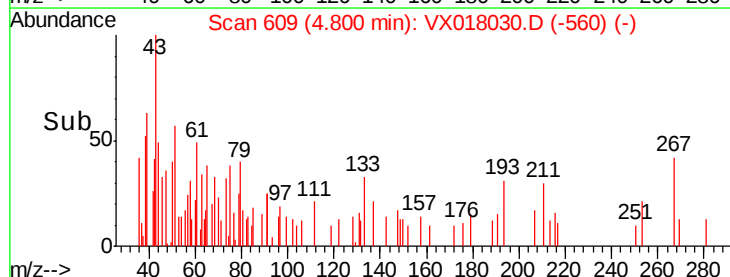
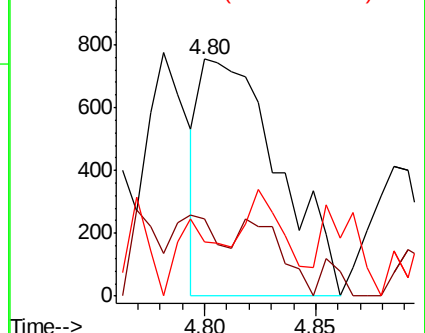
70 18.1 8.5 12.7#

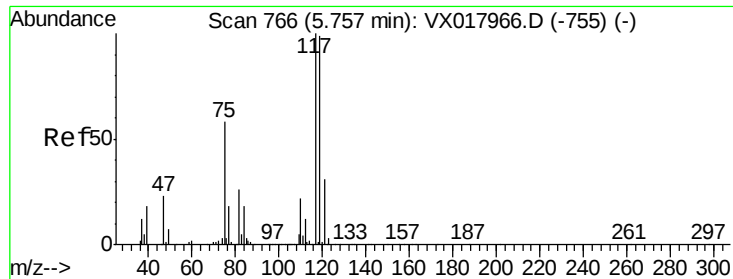


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

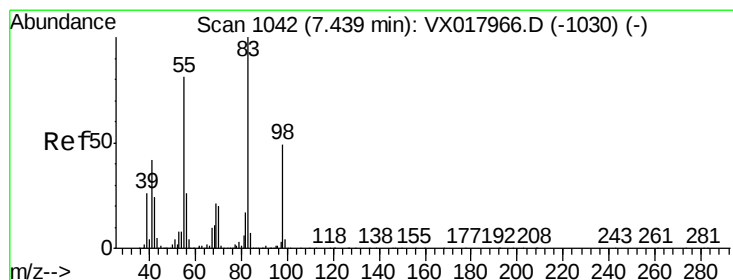
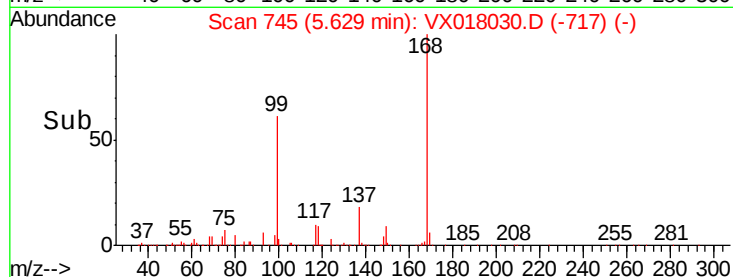
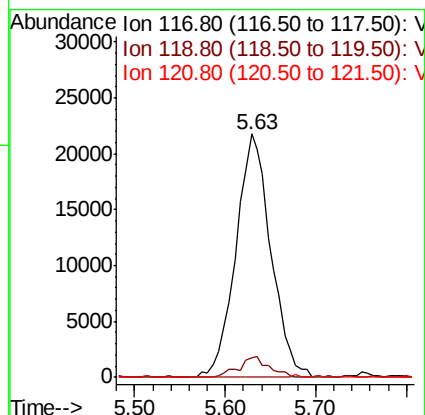
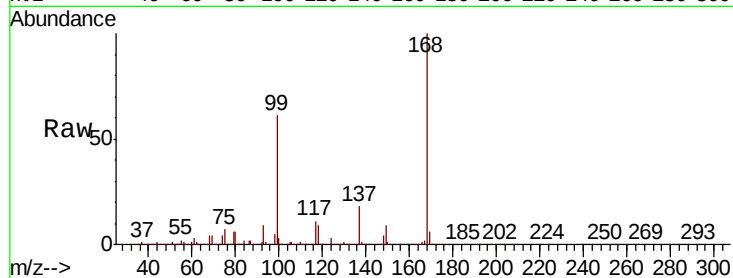




#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

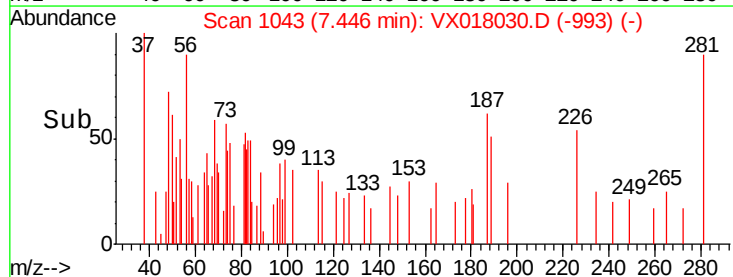
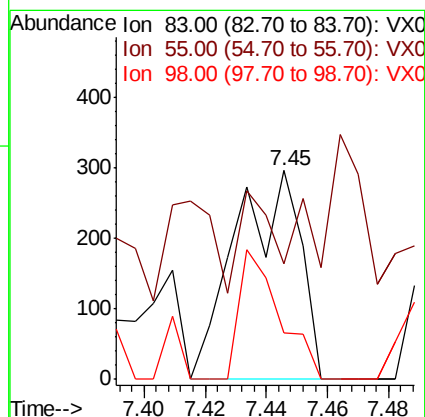
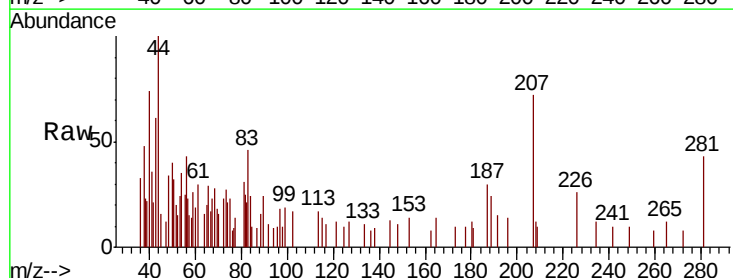
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANKS

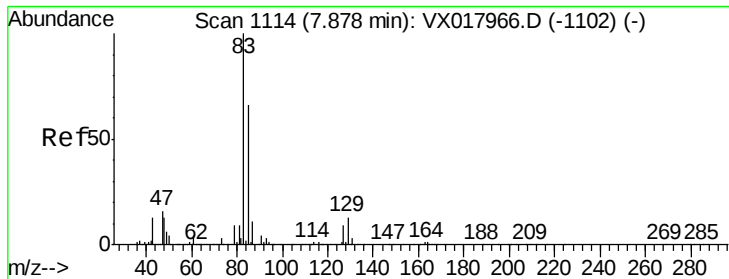
Tot Ion:117 Resp: 58266
Ion Ratio Lower Upper
117 100
119 8.1 79.0 118.6#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.856 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

Tgt Ion: 83 Resp: 431
Ion Ratio Lower Upper
83 100
55 0.0 64.5 96.7#
98 22.0 39.0 58.6#





#47

Bromodichloromethane

Concen: 6.580 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANKS

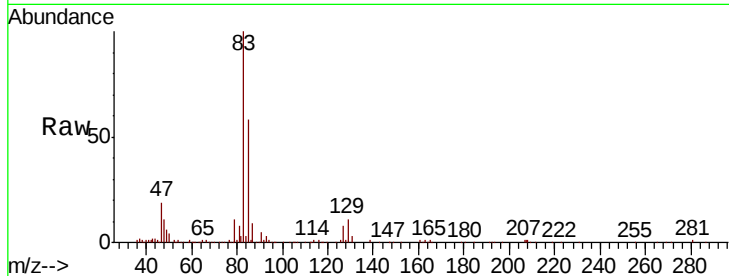
Tot Ion: 83 Resp: 66342

Ion Ratio Lower Upper

83 100

85 58.0 52.4 78.6

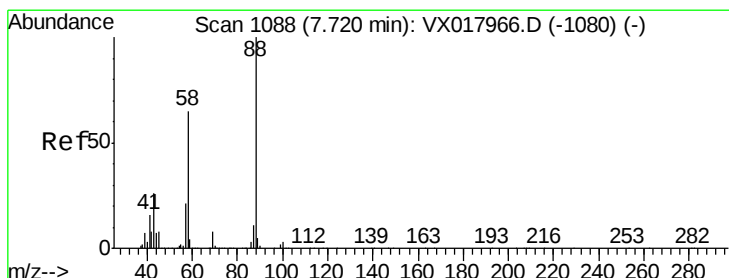
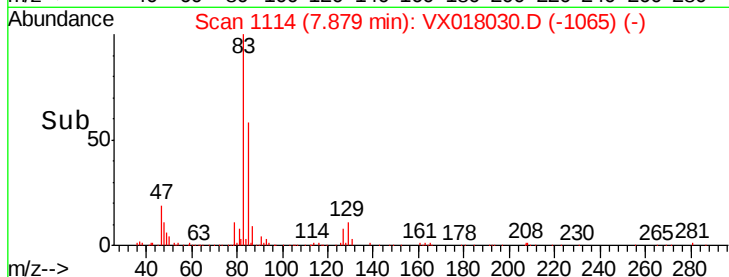
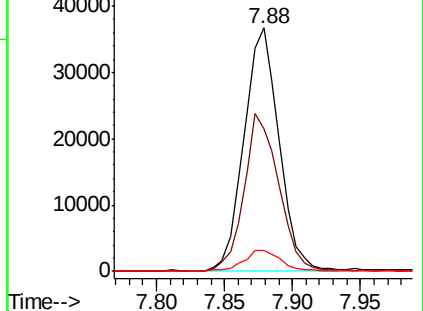
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#49

1,4-Dioxane

Concen: 3.605 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

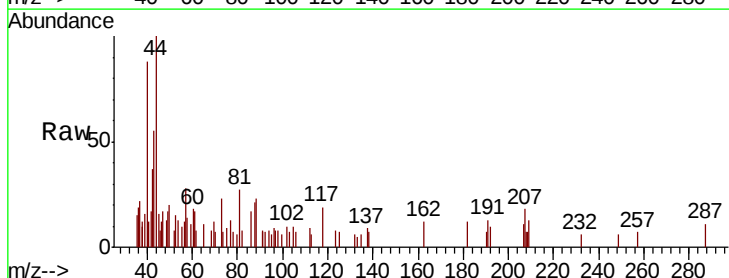
Tgt Ion: 88 Resp: 545

Ion Ratio Lower Upper

88 100

43 169.0 27.3 40.9#

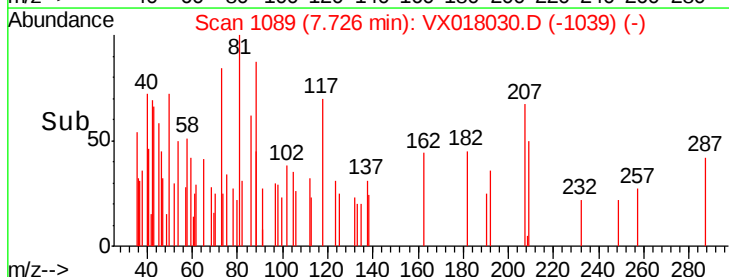
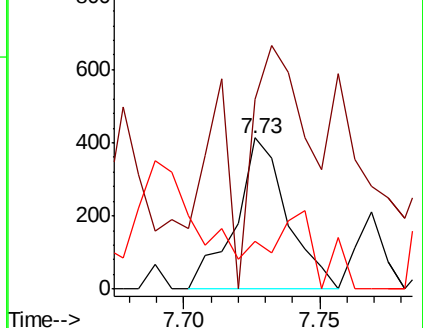
58 36.3 57.7 86.5#

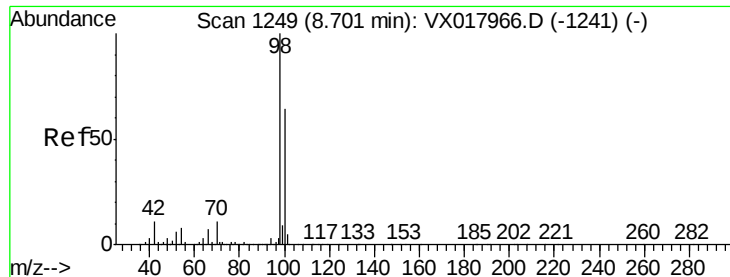


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 45.366 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

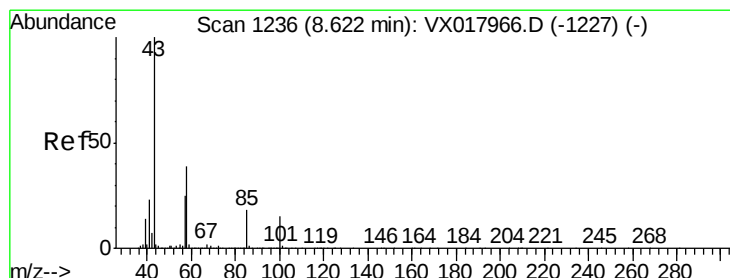
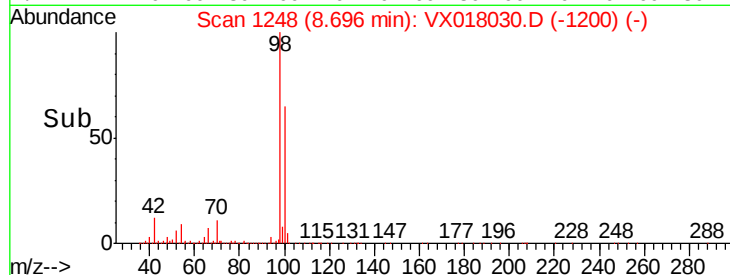
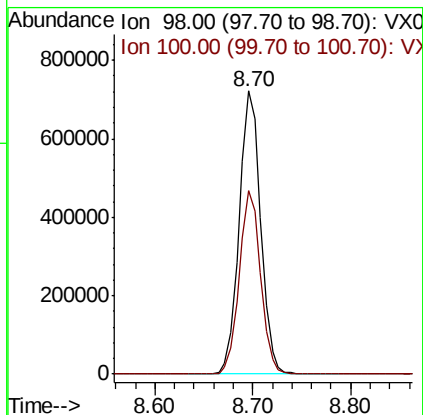
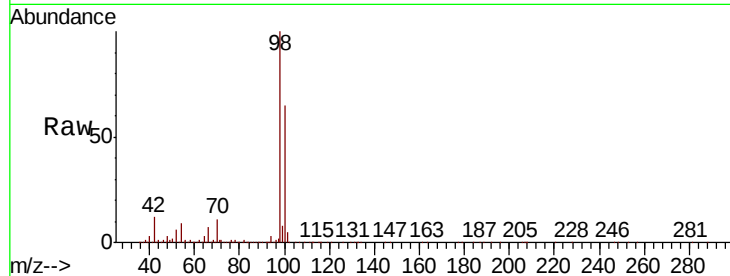
TRIP-BLANKS

Tot Ion: 98 Resp: 1100237

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2



#51

4-Methyl-2-Pentanone

Concen: 0.294 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX018030.D

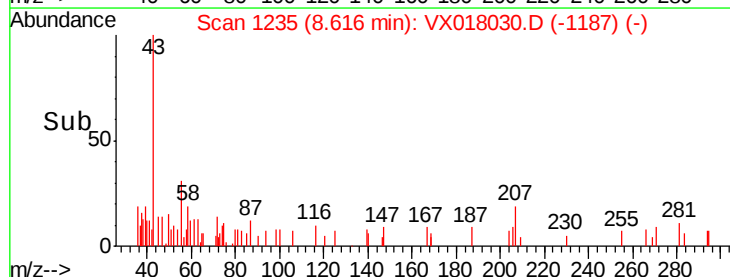
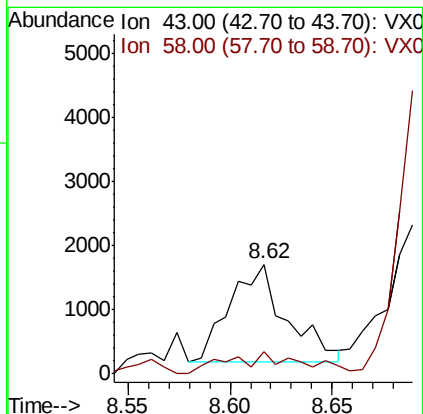
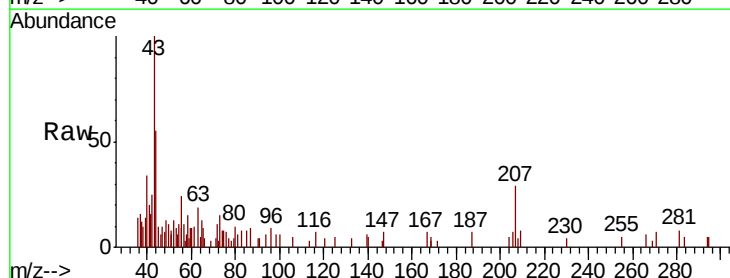
Acq: 20 Aug 2020 13:24

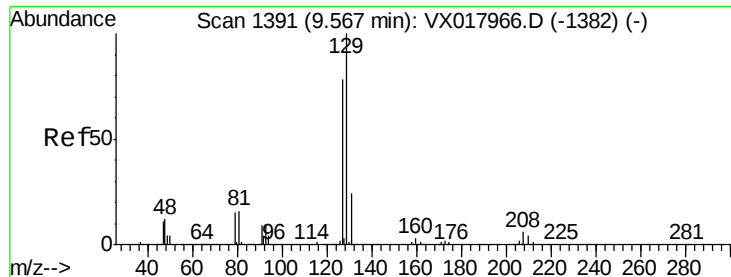
Tgt Ion: 43 Resp: 2949

Ion Ratio Lower Upper

43 100

58 13.9 31.0 46.4#





#60

Dibromochloromethane

Concen: 1.612 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

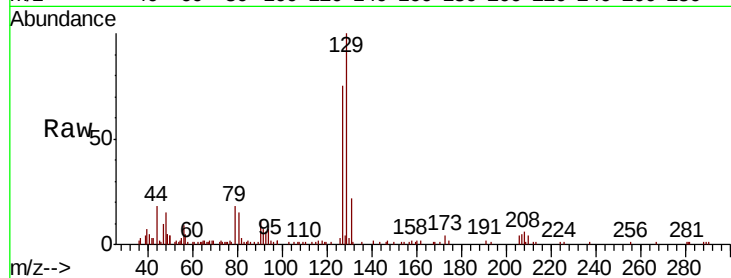
TRIP-BLANKS

Tot Ion:129 Resp: 14056

Ion Ratio Lower Upper

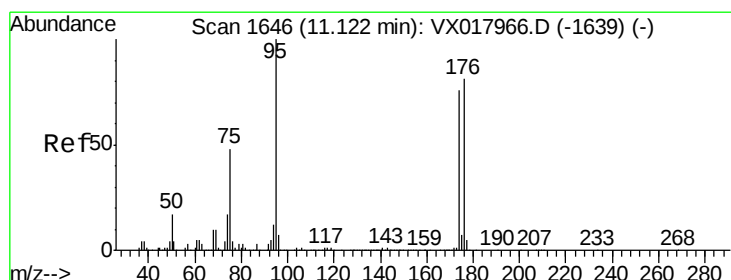
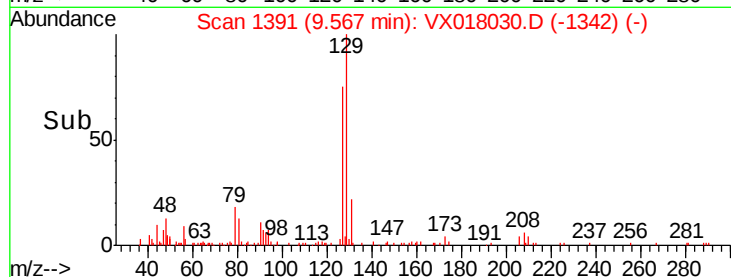
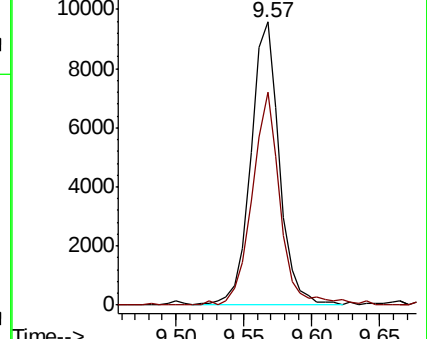
129 100

127 74.8 39.5 118.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.035 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

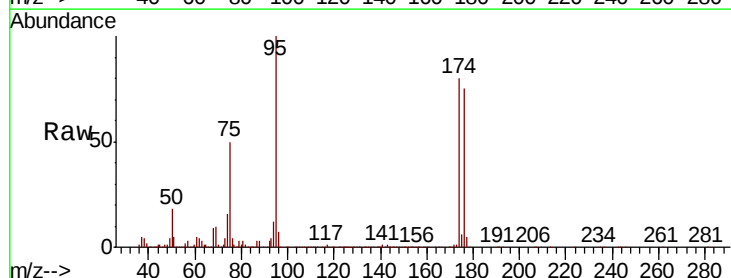
Tgt Ion: 95 Resp: 412356

Ion Ratio Lower Upper

95 100

174 81.7 0.0 166.0

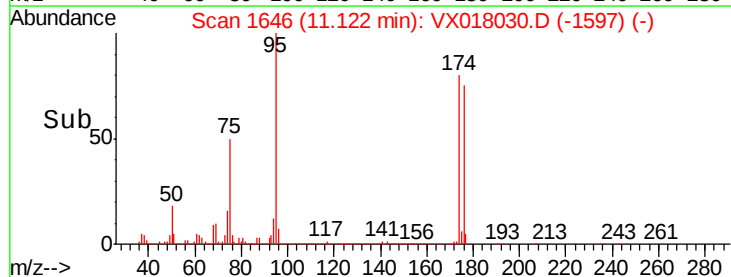
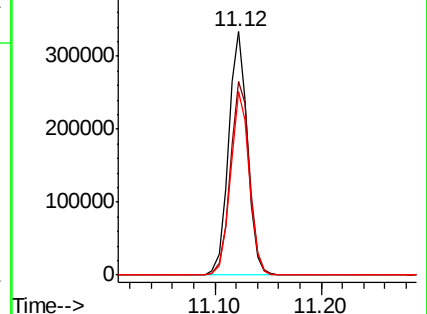
176 75.3 0.0 161.0

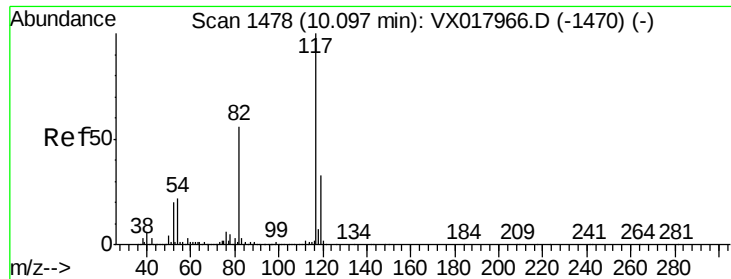


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

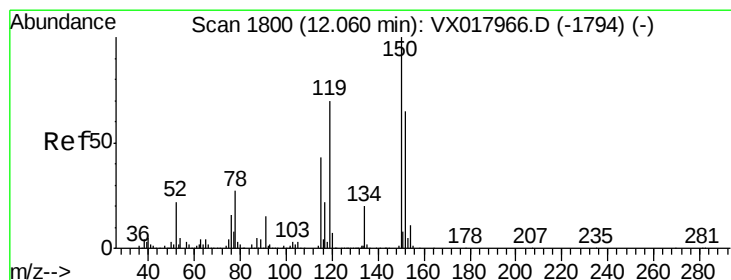
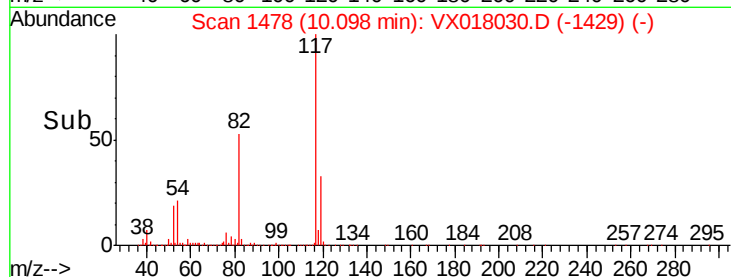
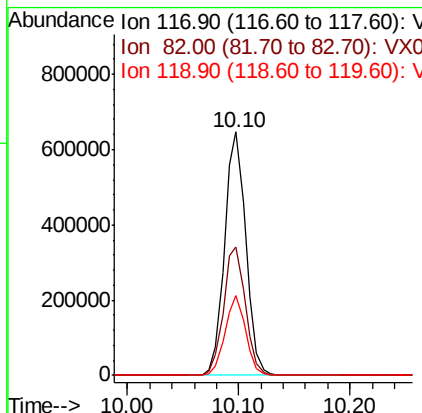
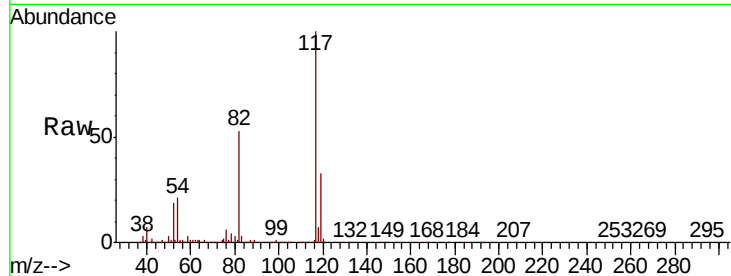




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

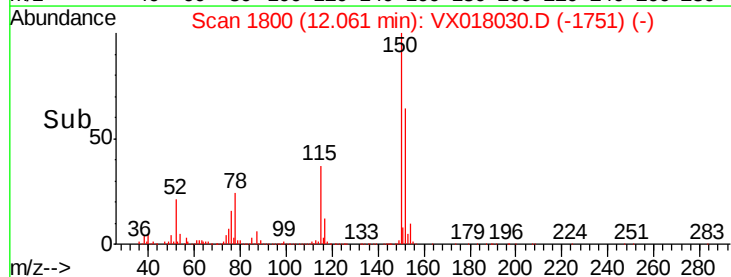
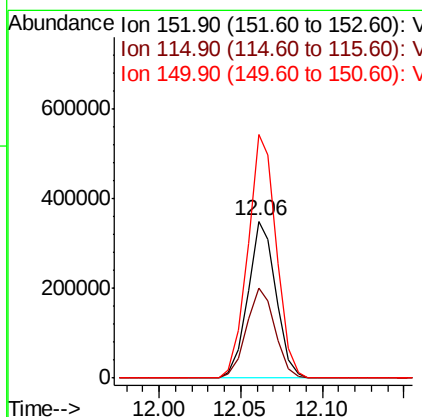
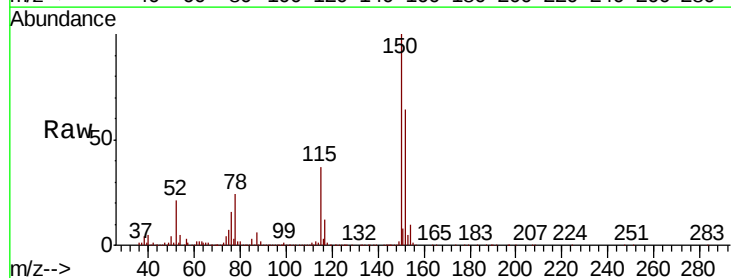
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANKS

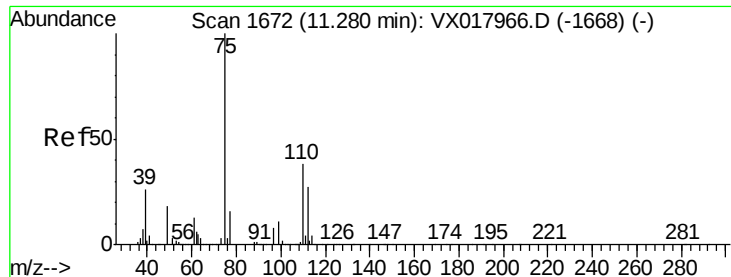
Tot Ion:117 Resp: 851149
Ion Ratio Lower Upper
117 100
82 52.8 44.6 66.8
119 32.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018030.D
Acq: 20 Aug 2020 13:24

Tgt Ion:152 Resp: 417383
Ion Ratio Lower Upper
152 100
115 58.6 40.6 121.7
150 158.3 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.116 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

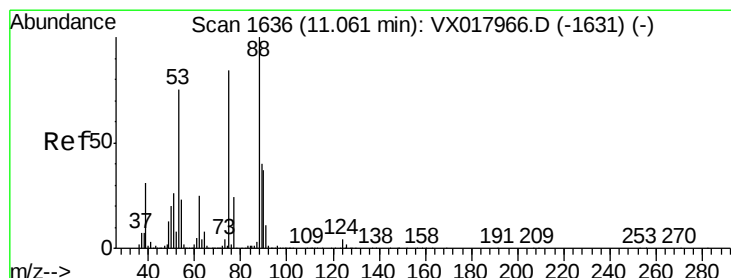
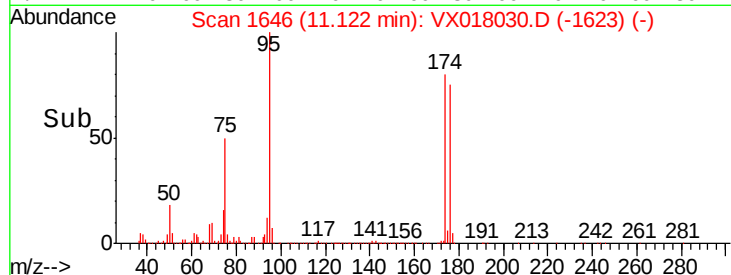
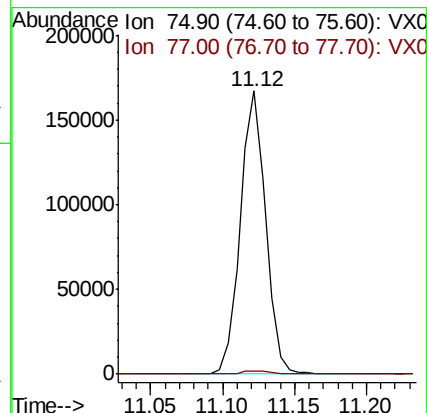
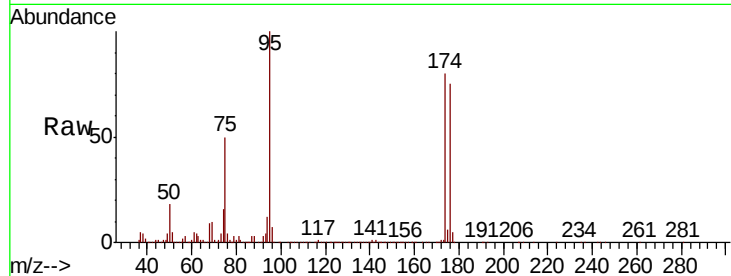
TRIP-BLANKS

Tot Ion: 75 Resp: 205185

Ion Ratio Lower Upper

75 100

77 1.7 21.1 63.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.729 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018030.D

Acq: 20 Aug 2020 13:24

Tgt Ion: 75 Resp: 205185

Ion Ratio Lower Upper

75 100

53 0.4 75.2 112.8#

89 0.1 38.4 57.6#

