

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031780.D
 Acq On : 29 Sep 2022 17:52
 Operator : JC/MD
 Sample : N4887-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220928017-05-TRIP-BLANK

Quant Time: Sep 30 04:36:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

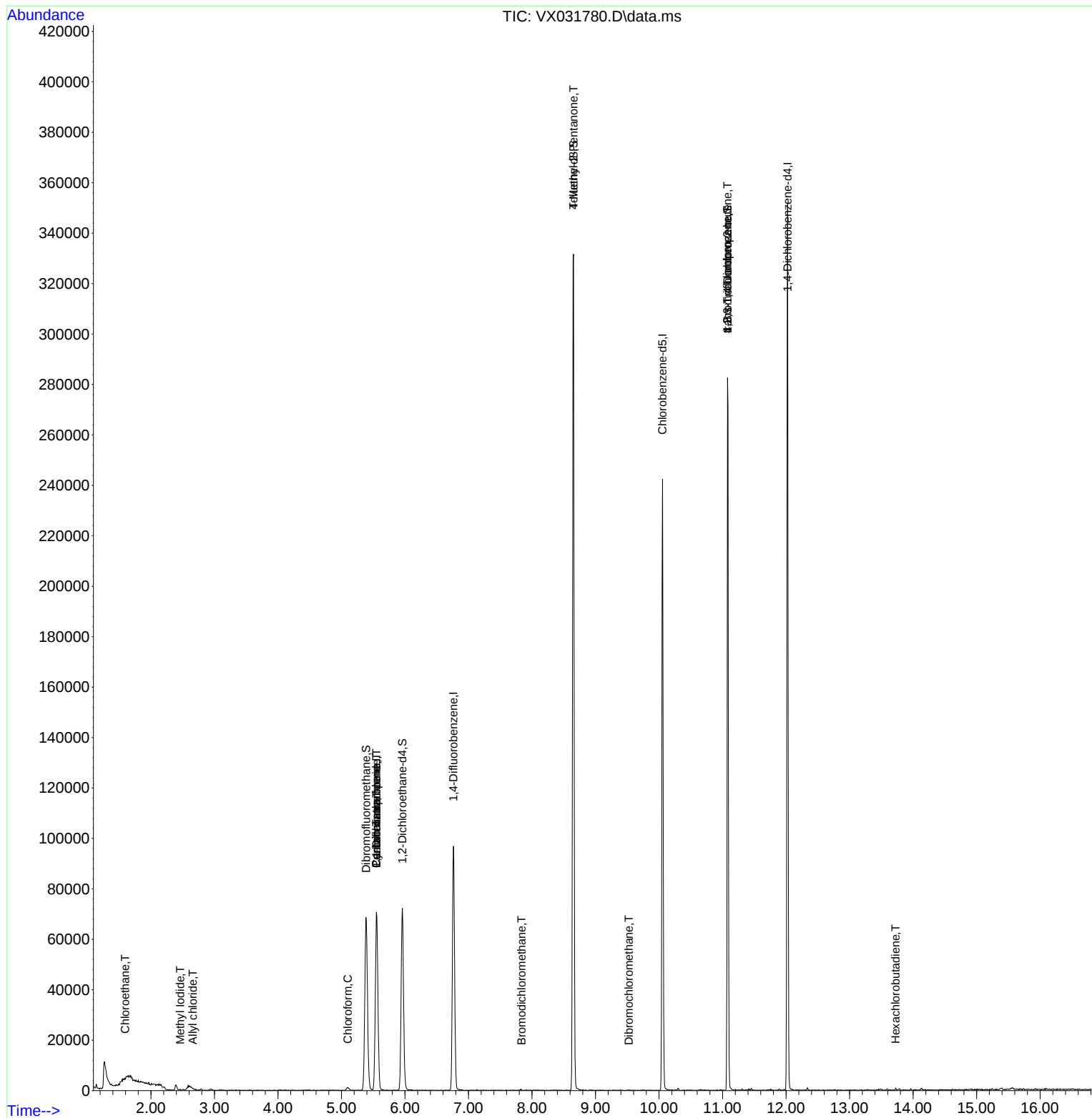
Internal Standards						
1) Pentafluorobenzene	5.550	168	67464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	104030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69999	48.887	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.780%
35) Dibromofluoromethane	5.385	113	58366	47.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.180%
50) Toluene-d8	8.653	98	204421	45.489	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.980%
62) 4-Bromofluorobenzene	11.079	95	72289	43.889	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	626	Below Cal	#	41
5) Bromomethane	1.617	94	266	Below Cal		86
6) Chloroethane	1.593	64	9346	5.927	ug/l #	55
7) Trichlorofluoromethane	1.892	101	60	Below Cal	#	18
10) Methyl Iodide	2.459	142	320	0.364	ug/l #	80
11) Tert butyl alcohol	2.934	59	242	Below Cal	#	73
14) Allyl chloride	2.660	41	278	0.236	ug/l #	38
16) Acetone	2.392	43	2784	Below Cal		91
17) Carbon Disulfide	2.507	76	385	Below Cal	#	75
20) Methylene Chloride	2.800	84	243	Below Cal	#	26
30) Chloroform	5.098	83	1365	0.634	ug/l #	80
31) Cyclohexane	5.550	56	1374	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	5207	3.658	ug/l #	51
38) Carbon Tetrachloride	5.550	117	6837	4.262	ug/l #	18
47) Bromodichloromethane	7.836	83	341	0.222	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	856	0.598	ug/l #	1
60) Dibromochloromethane	9.525	129	32	1.561	ug/l #	23
76) 1,2,3-Trichloropropane	11.079	75	38592	28.908	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38592	95.395	ug/l #	11
94) Hexachlorobutadiene	13.725	225	142	0.265	ug/l #	54

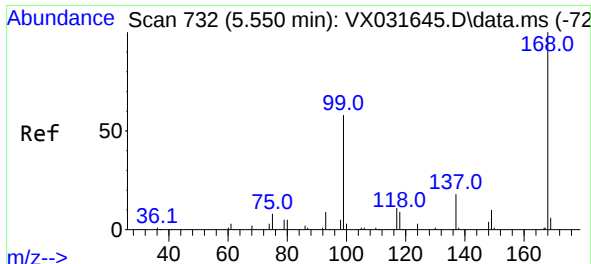
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 27 01:44:18 2022
Response via : Initial Calibration

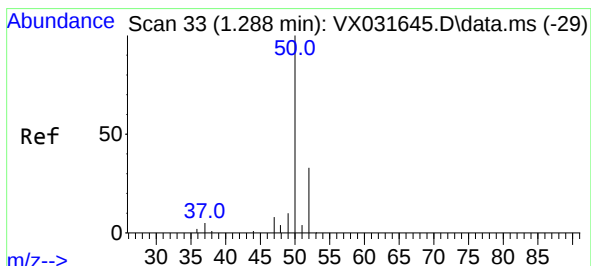
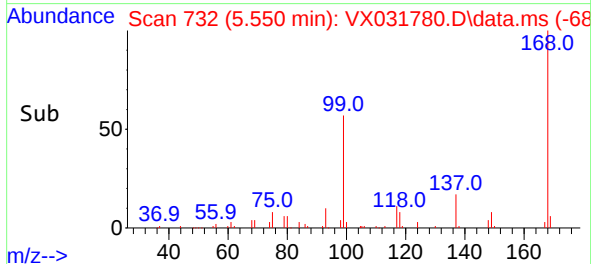
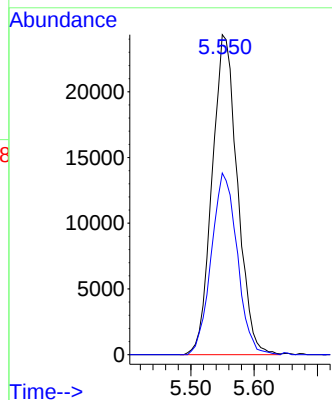
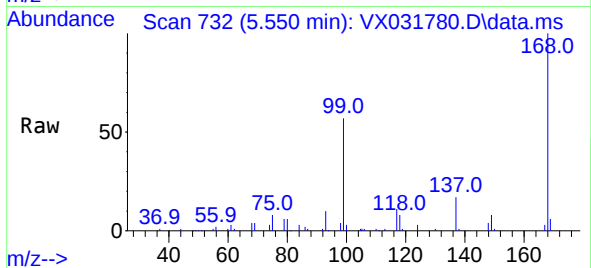




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

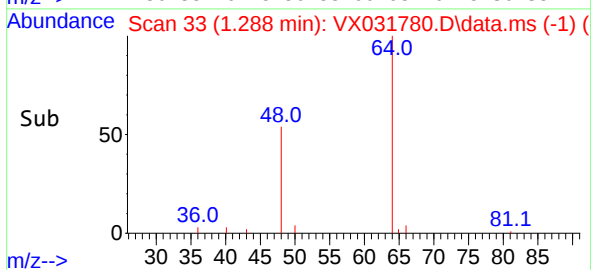
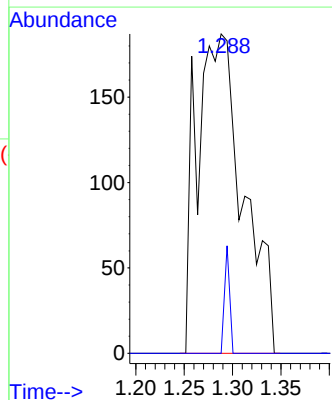
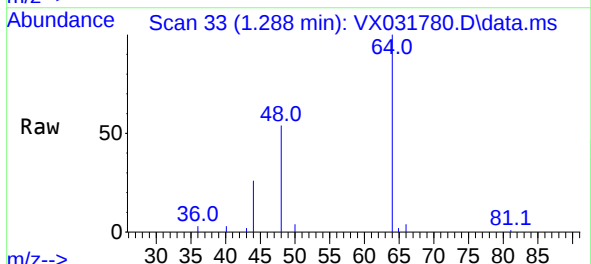
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

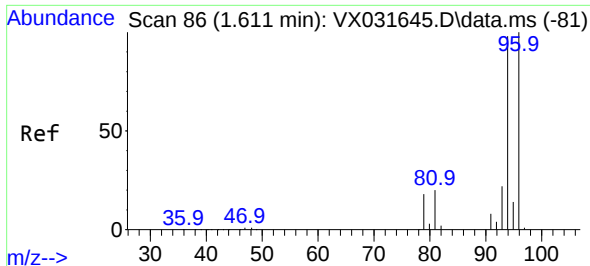
Tgt Ion:168 Resp: 67464
Ion Ratio Lower Upper
168 100
99 56.7 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 50 Resp: 626
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

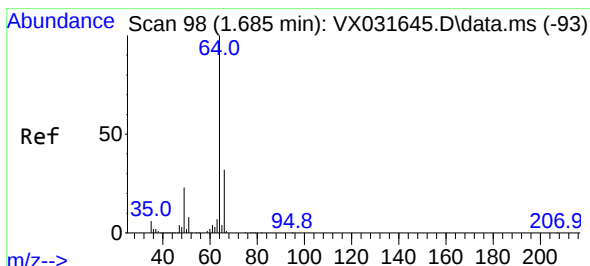
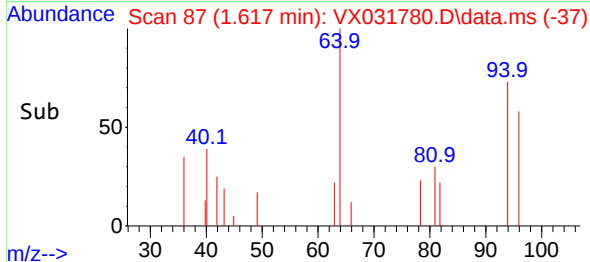
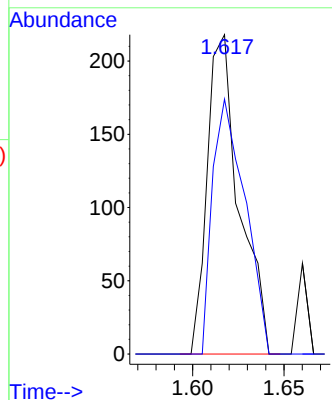
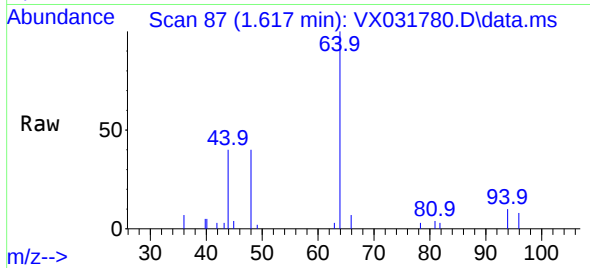




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

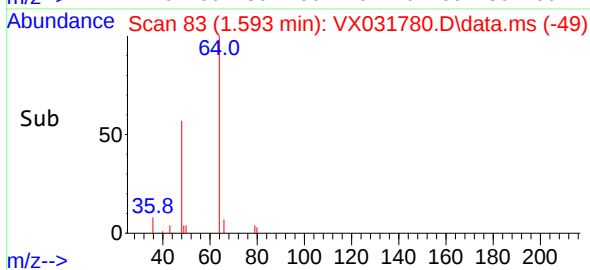
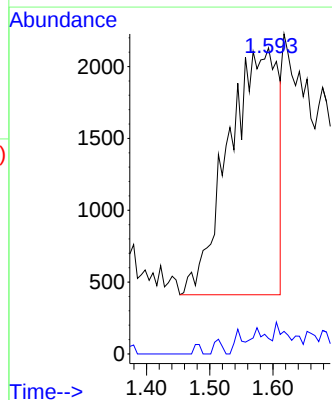
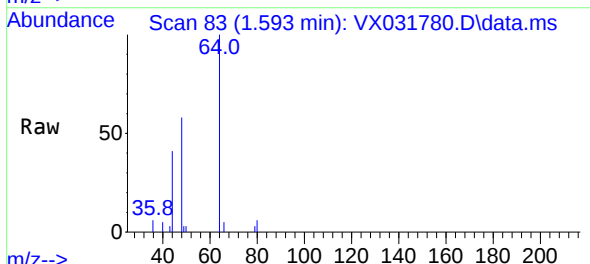
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

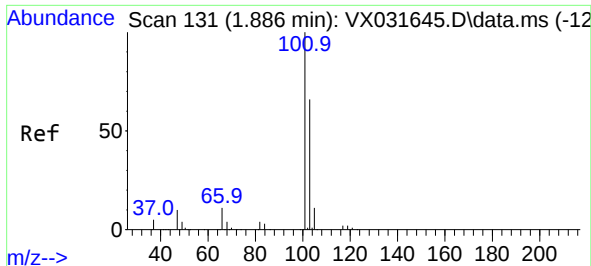
Tgt Ion: 94 Resp: 266
Ion Ratio Lower Upper
94 100
96 79.8 74.4 111.6



#6
Chloroethane
Concen: 5.927 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.092 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 64 Resp: 9346
Ion Ratio Lower Upper
64 100
66 6.3 25.0 37.4#

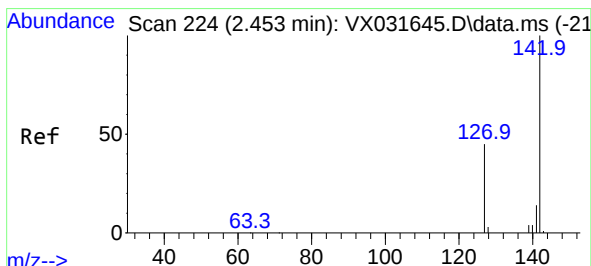
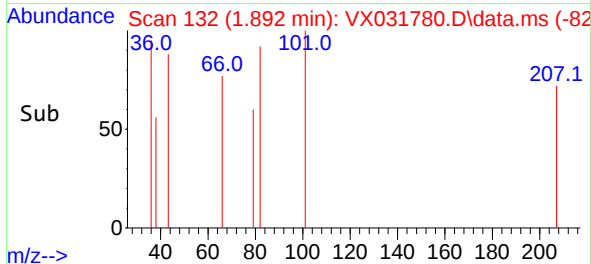
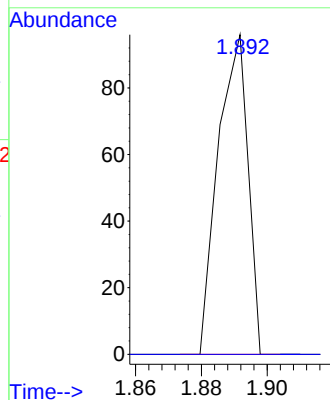
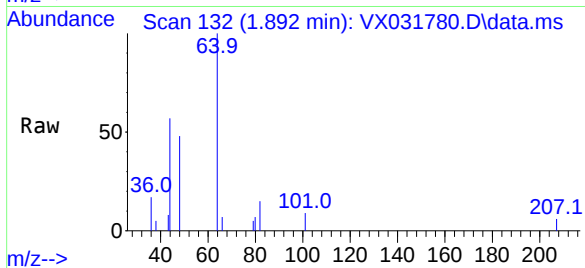




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

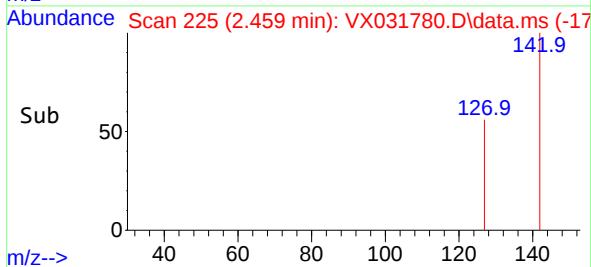
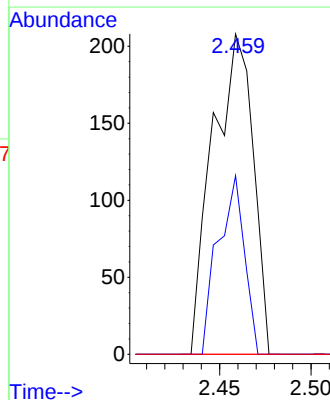
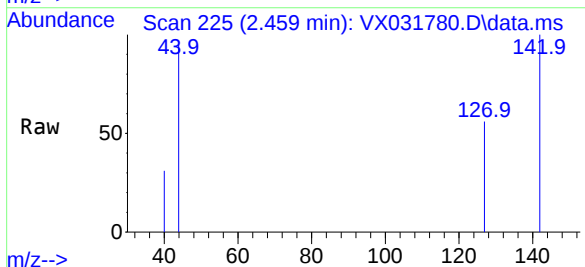
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

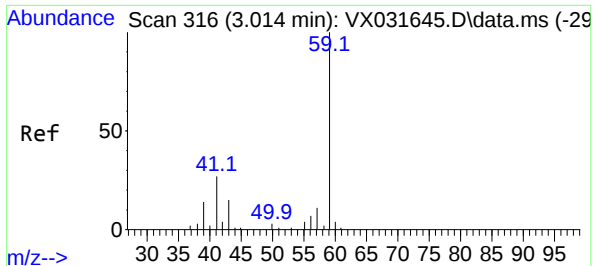
Tgt Ion:101 Resp: 60
Ion Ratio Lower Upper
101 100
103 0.0 51.8 77.6#



#10
Methyl Iodide
Concen: 0.364 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion:142 Resp: 320
Ion Ratio Lower Upper
142 100
127 36.3 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.934 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX031780.D

Acq: 29 Sep 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

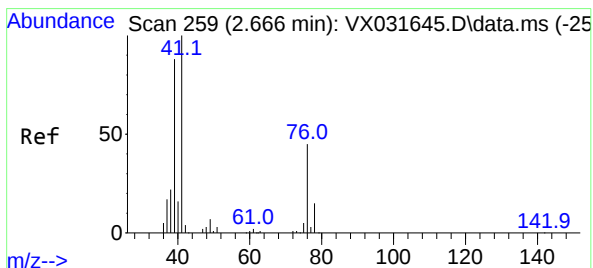
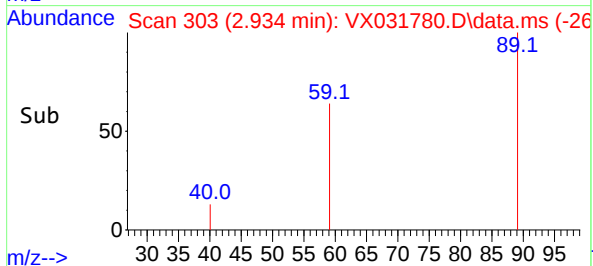
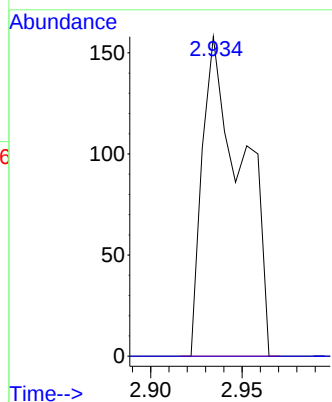
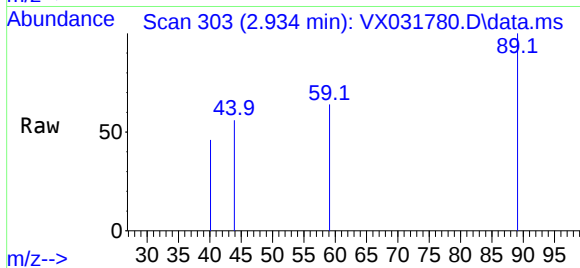
220928017-05-TRIP-BLANK

Tgt Ion: 59 Resp: 242

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#14

Allyl chloride

Concen: 0.236 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.006 min

Lab File: VX031780.D

Acq: 29 Sep 2022 17:52

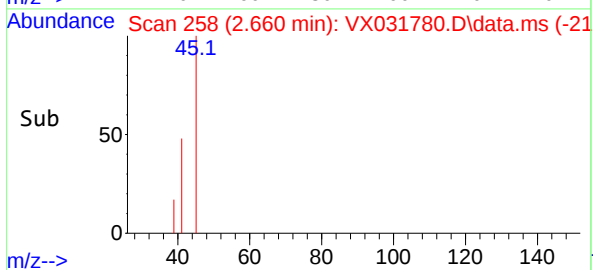
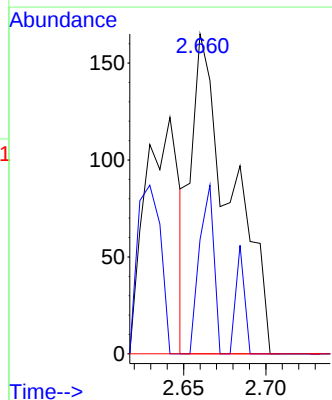
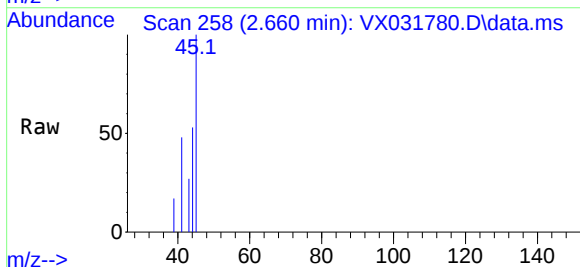
Tgt Ion: 41 Resp: 278

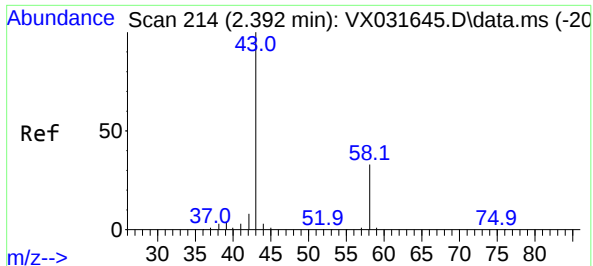
Ion Ratio Lower Upper

41 100

39 19.1 58.2 87.4#

76 0.0 26.9 40.3#

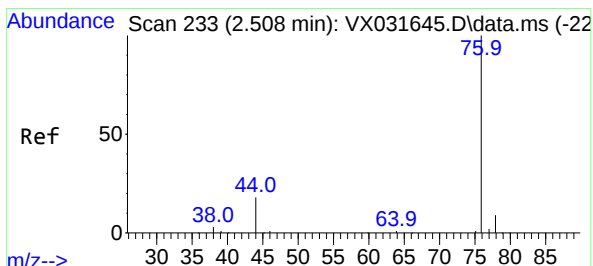
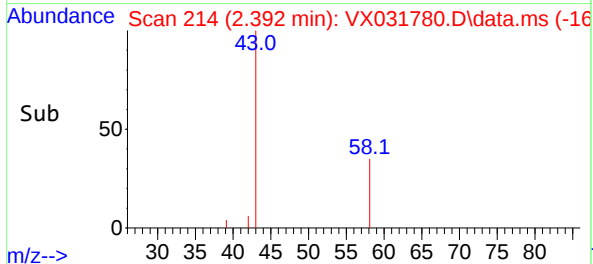
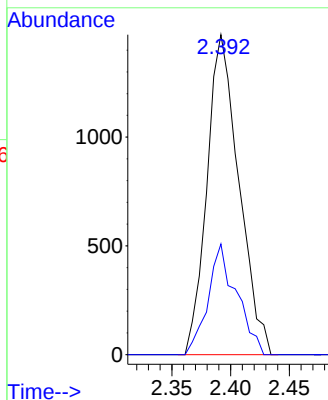
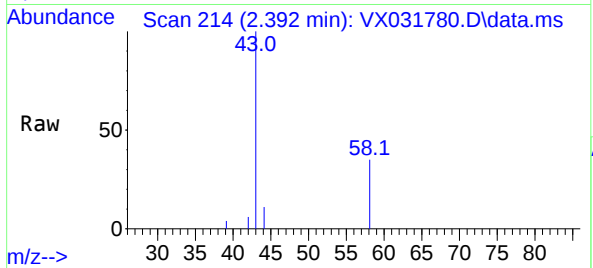




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

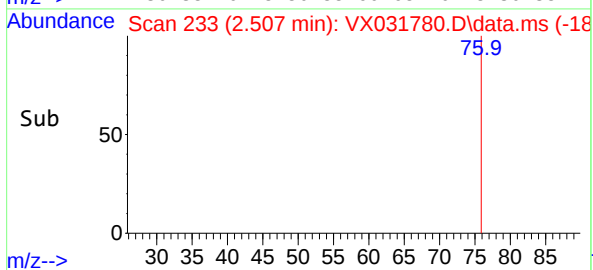
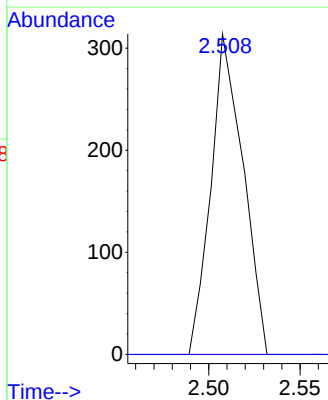
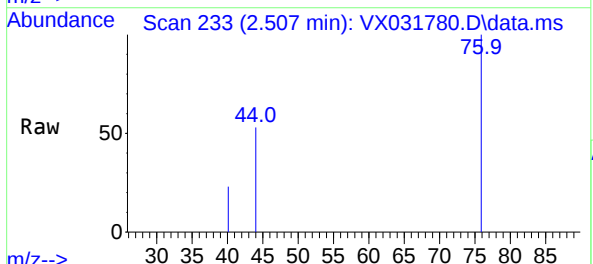
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

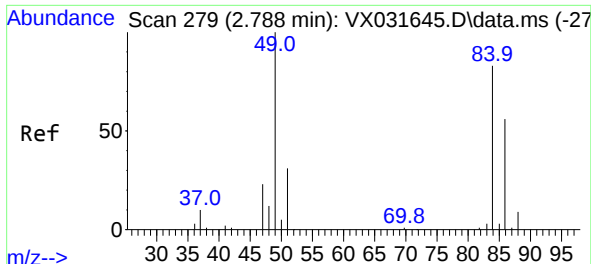
Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
58 34.6 23.8 35.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.507 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 76 Resp: 385
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX031780.D

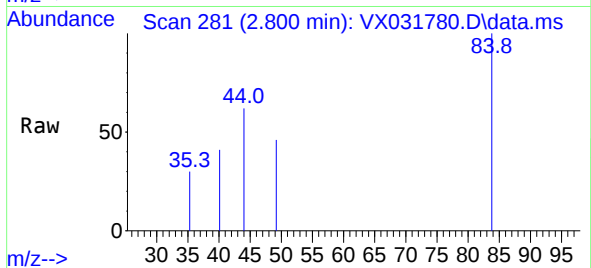
Acq: 29 Sep 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

220928017-05-TRIP-BLANK



Tgt Ion: 84 Resp: 243

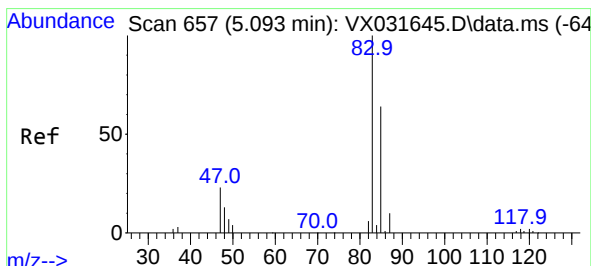
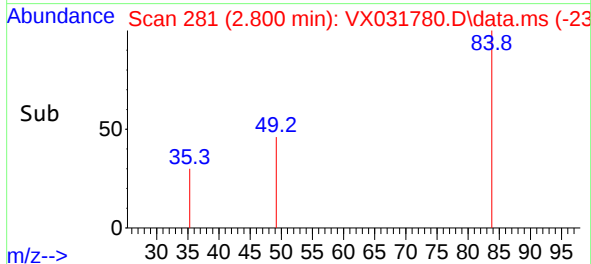
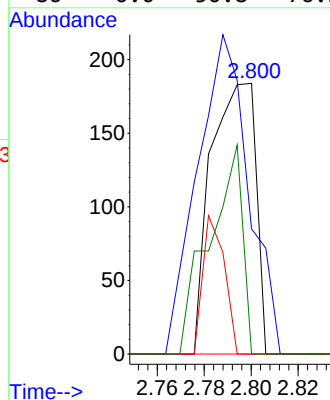
Ion Ratio Lower Upper

84 100

49 46.2 105.9 158.9#

51 0.0 32.2 48.2#

86 0.0 50.8 76.2#



#30

Chloroform

Concen: 0.634 ug/l

RT: 5.098 min Scan# 658

Delta R.T. -0.001 min

Lab File: VX031780.D

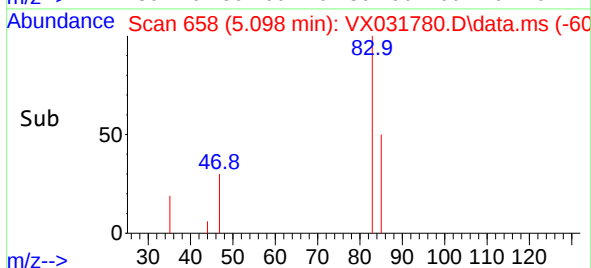
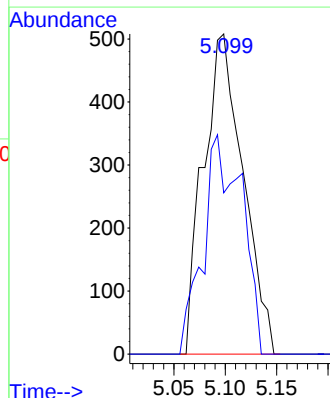
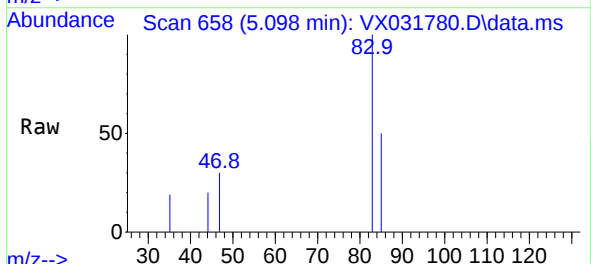
Acq: 29 Sep 2022 17:52

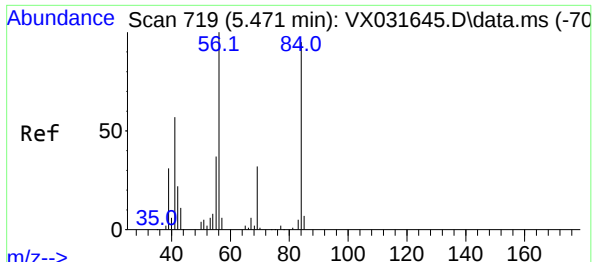
Tgt Ion: 83 Resp: 1365

Ion Ratio Lower Upper

83 100

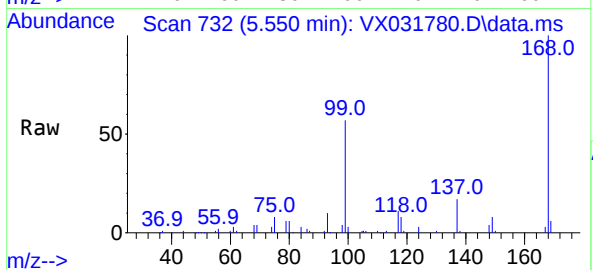
85 50.4 52.8 79.2#



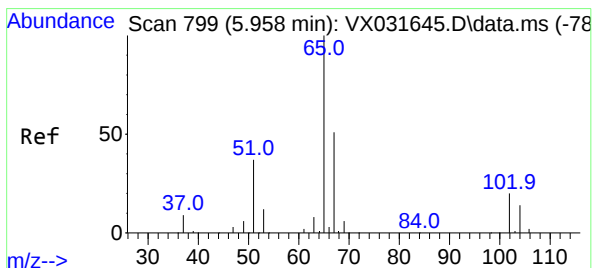
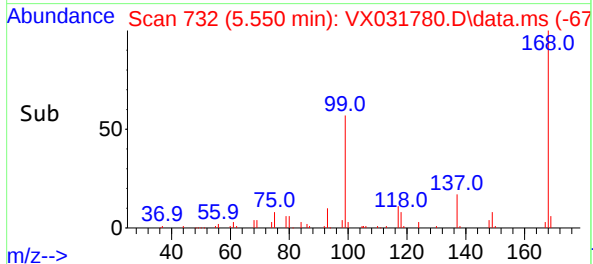
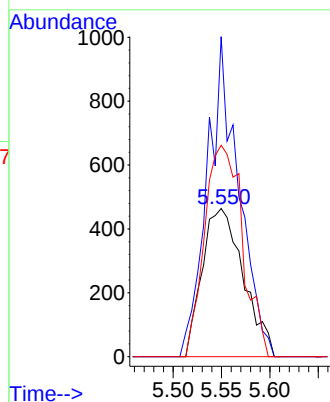


#31
Cyclohexane
Concen: 1.009 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

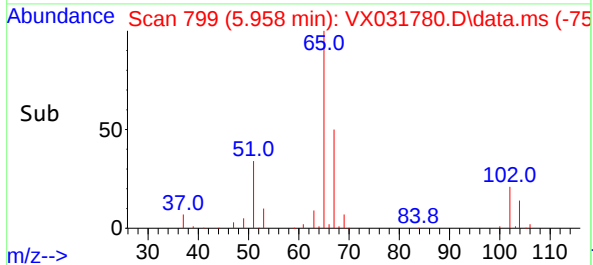
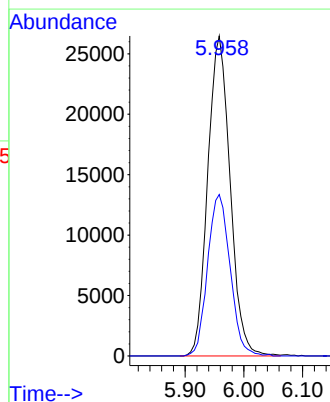
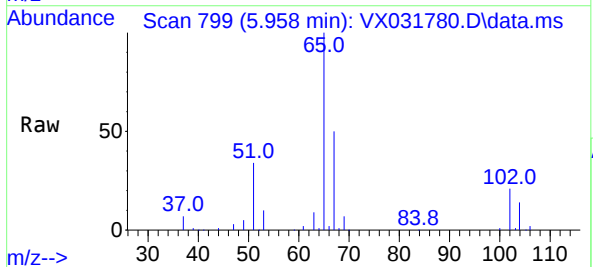


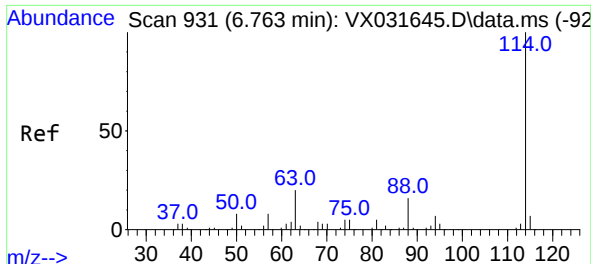
Tgt Ion: 56 Resp: 1374
Ion Ratio Lower Upper
56 100
69 215.9 25.1 37.7#
84 142.7 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 48.887 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 65 Resp: 69999
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.4

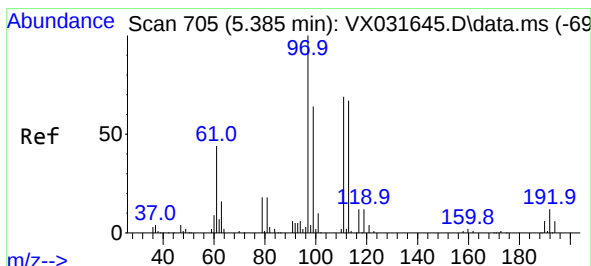
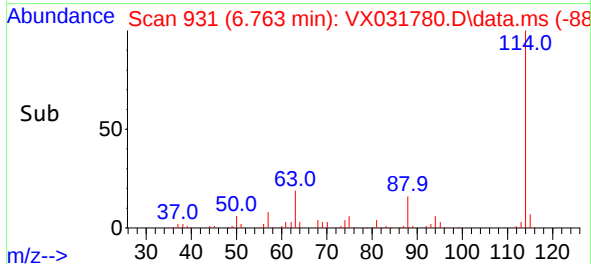
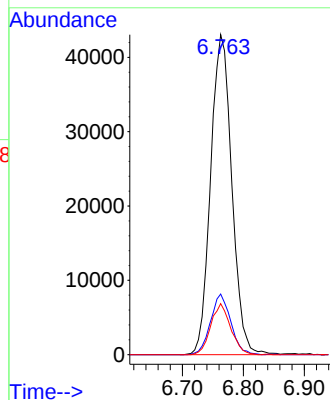
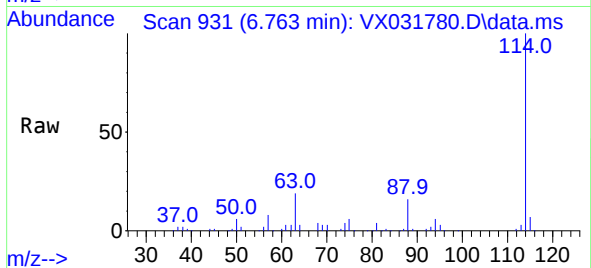




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

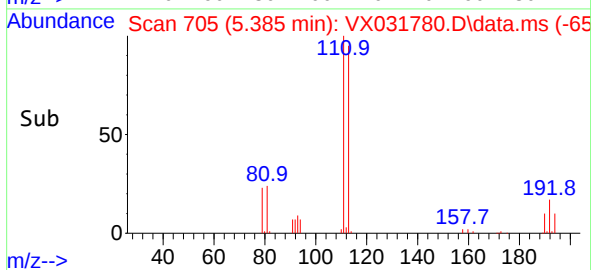
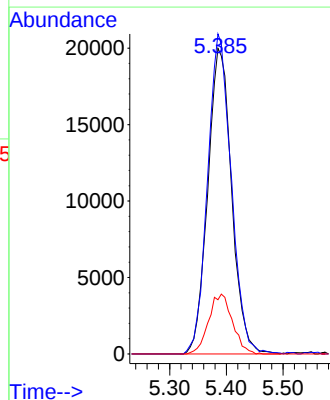
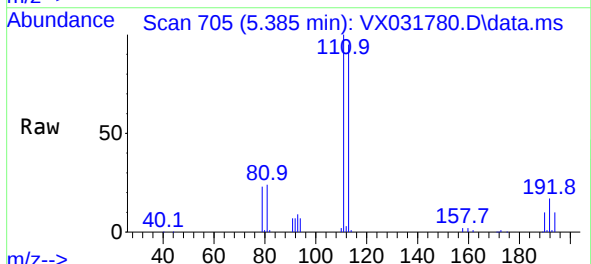
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

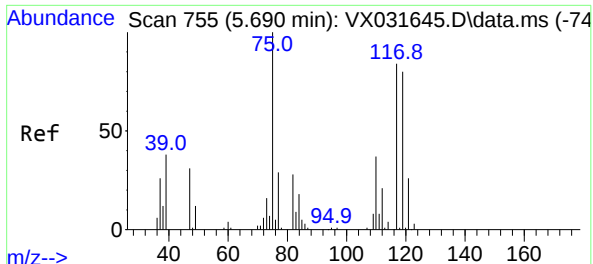
Tgt Ion:114 Resp: 104030
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.6
88 15.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.087 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion:113 Resp: 58366
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 19.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.658 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031780.D

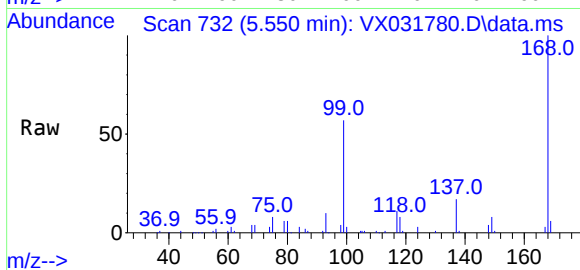
Acq: 29 Sep 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

220928017-05-TRIP-BLANK



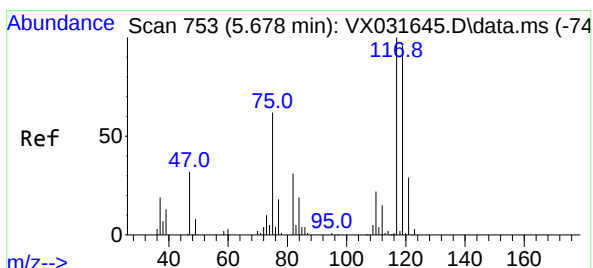
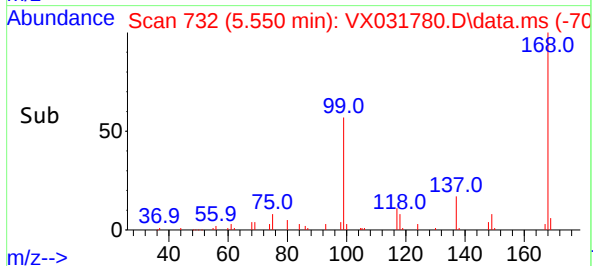
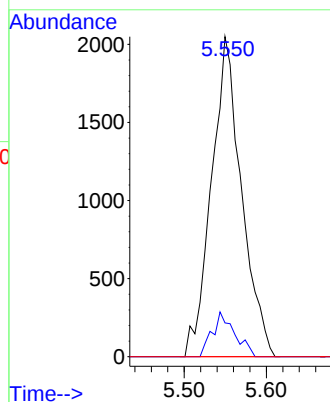
Tgt Ion: 75 Resp: 5207

Ion Ratio Lower Upper

75 100

110 10.4 17.5 52.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.262 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031780.D

Acq: 29 Sep 2022 17:52

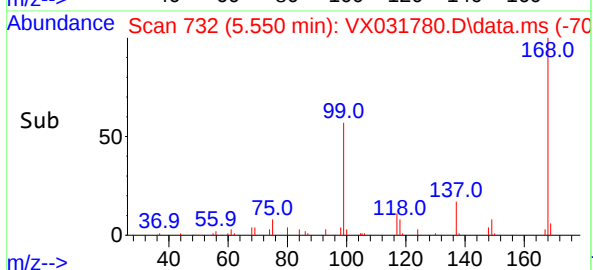
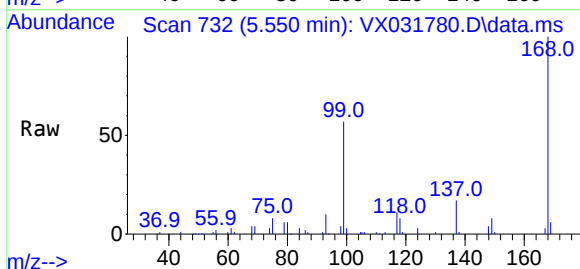
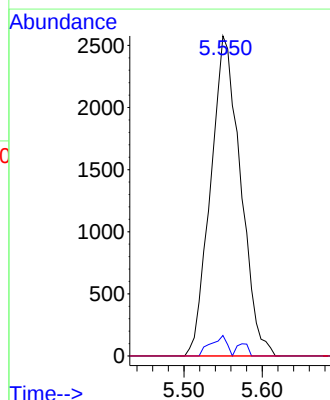
Tgt Ion: 117 Resp: 6837

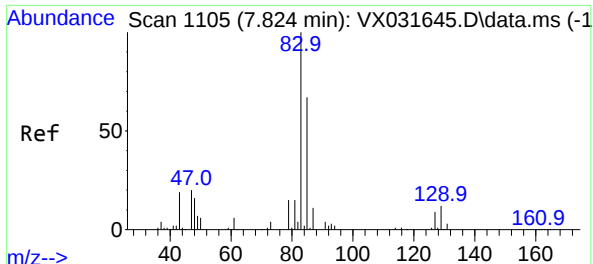
Ion Ratio Lower Upper

117 100

119 6.4 74.6 112.0#

121 0.0 25.3 37.9#

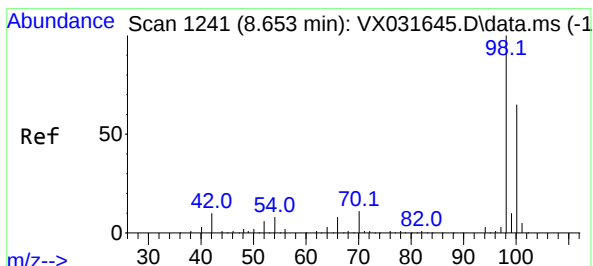
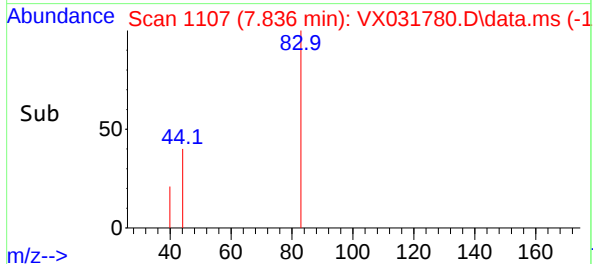
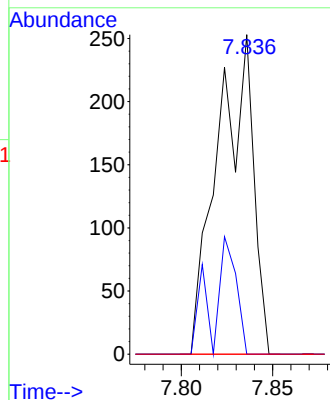
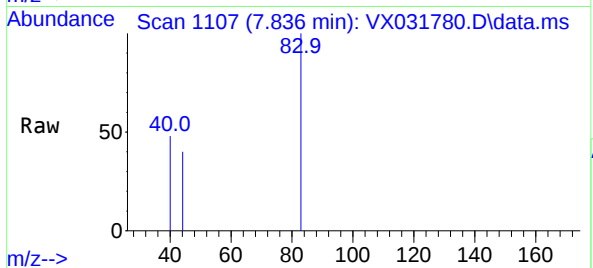




#47
Bromodichloromethane
Concen: 0.222 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

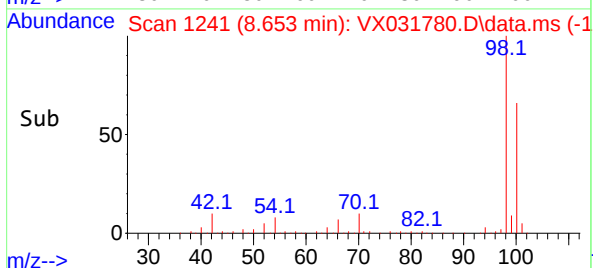
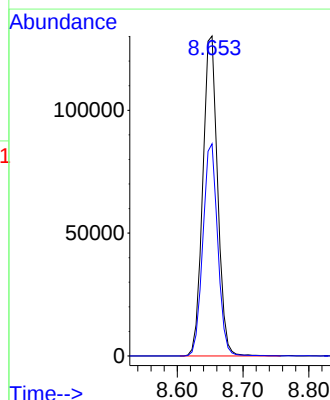
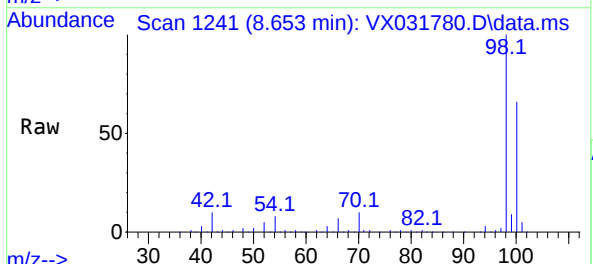
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

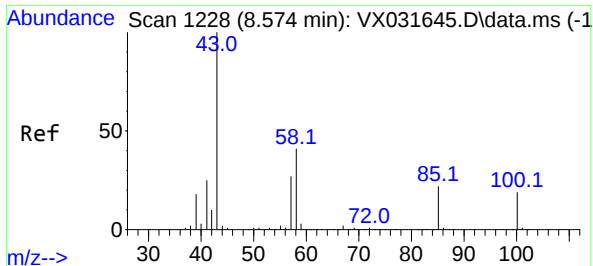
Tgt Ion: 83 Resp: 341
Ion Ratio Lower Upper
83 100
85 0.0 51.0 76.6#
127 0.0 7.0 10.6#



#50
Toluene-d8
Concen: 45.489 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 98 Resp: 204421
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.598 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX031780.D

Acq: 29 Sep 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

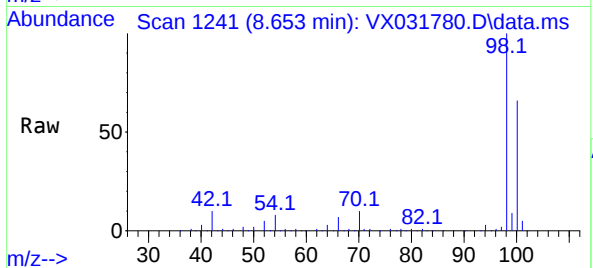
220928017-05-TRIP-BLANK

Tgt Ion: 43 Resp: 856

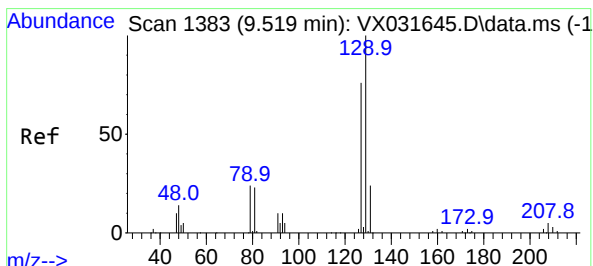
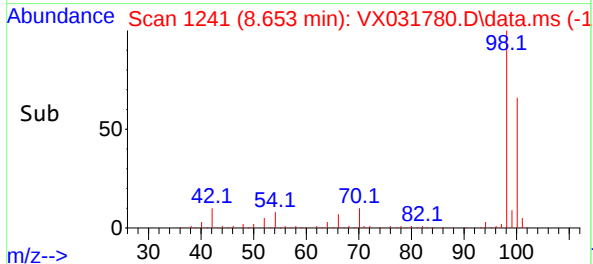
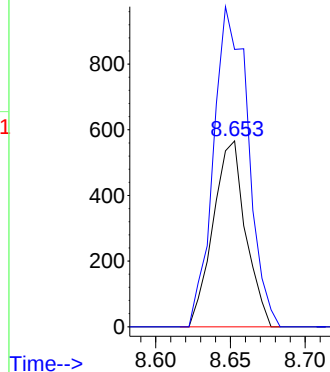
Ion Ratio Lower Upper

43 100

58 182.9 30.6 46.0#



Abundance



#60

Dibromochloromethane

Concen: 1.561 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX031780.D

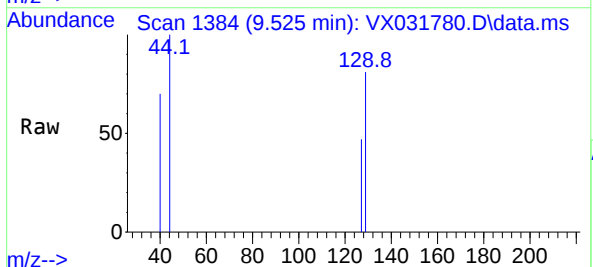
Acq: 29 Sep 2022 17:52

Tgt Ion: 129 Resp: 32

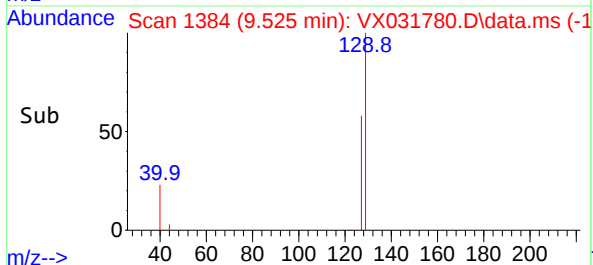
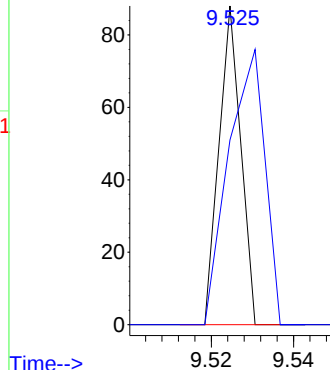
Ion Ratio Lower Upper

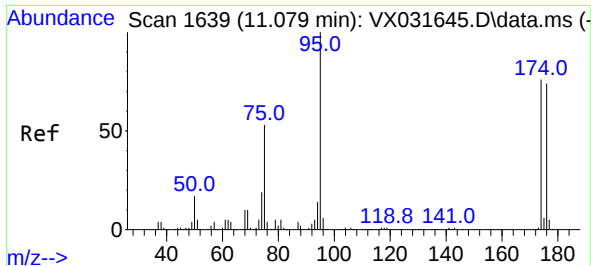
129 100

127 143.8 38.7 116.1#



Abundance

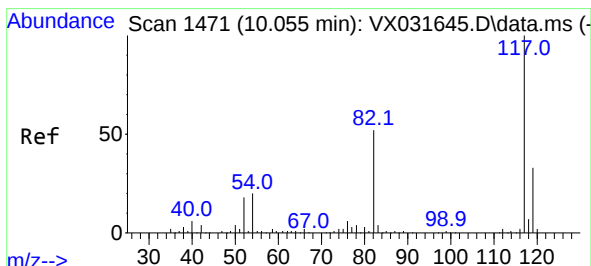
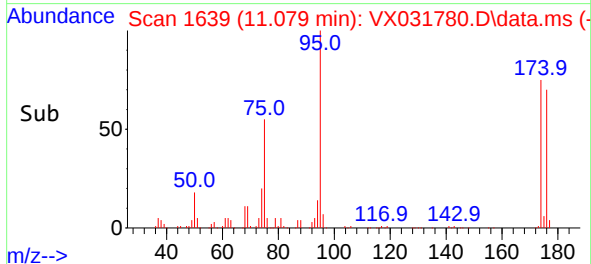
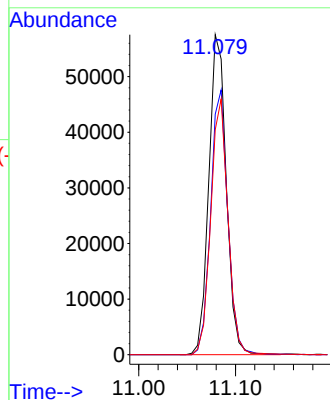
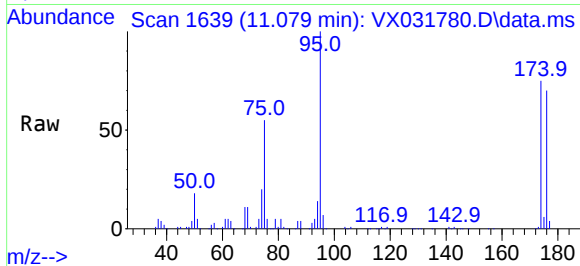




#62
4-Bromofluorobenzene
Concen: 43.889 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

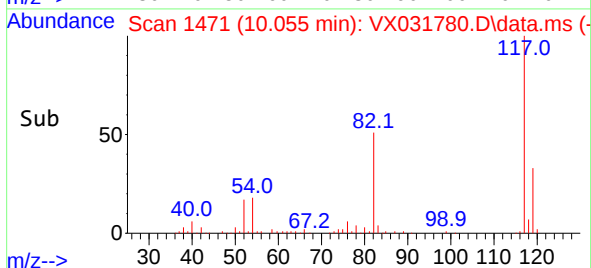
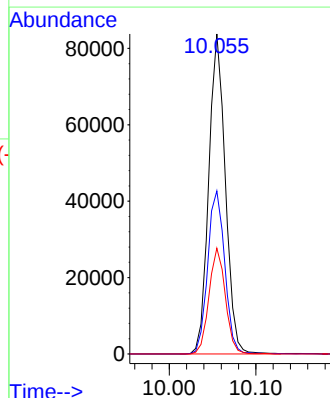
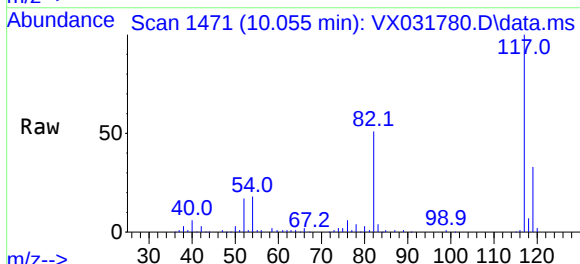
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

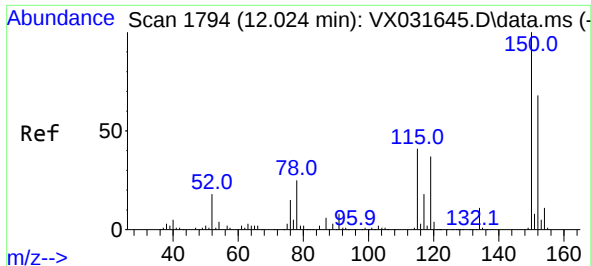
Tgt Ion: 95 Resp: 72289
Ion Ratio Lower Upper
95 100
174 81.4 0.0 153.2
176 78.9 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 117 Resp: 111474
Ion Ratio Lower Upper
117 100
82 50.9 46.8 70.2
119 33.0 26.4 39.6

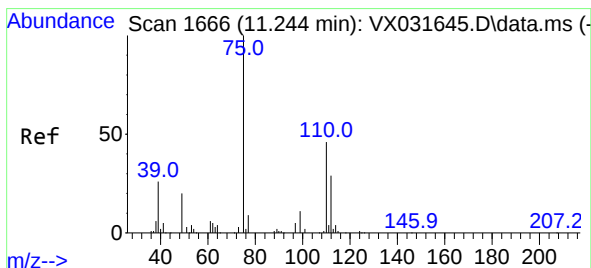
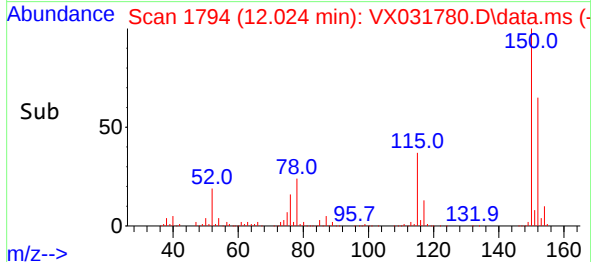
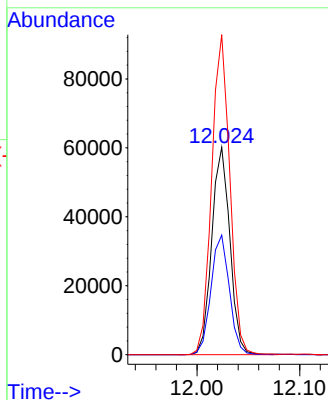
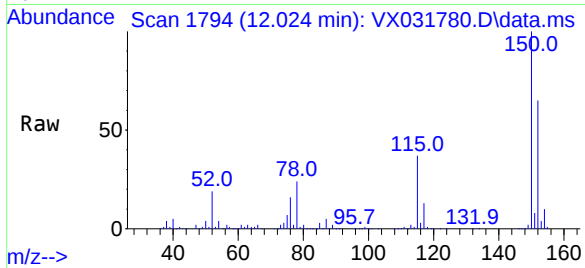




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

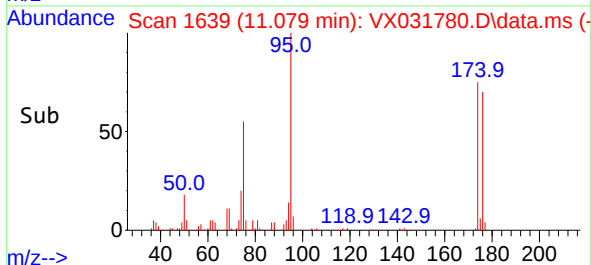
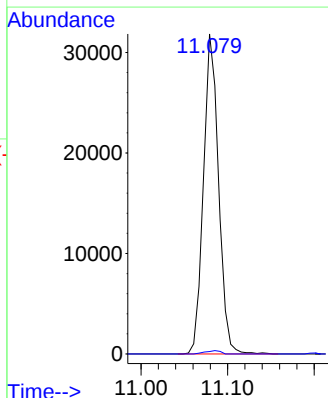
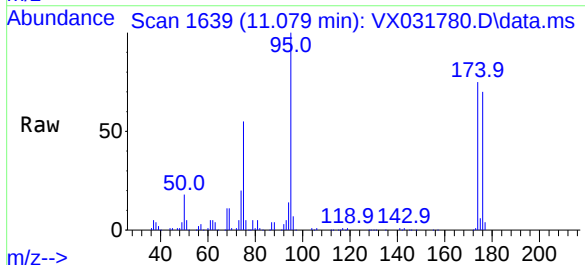
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

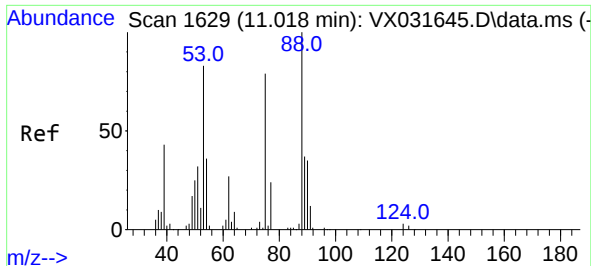
Tgt Ion:152 Resp: 73639
Ion Ratio Lower Upper
152 100
115 58.6 43.4 130.1
150 154.3 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 28.908 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 75 Resp: 38592
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#

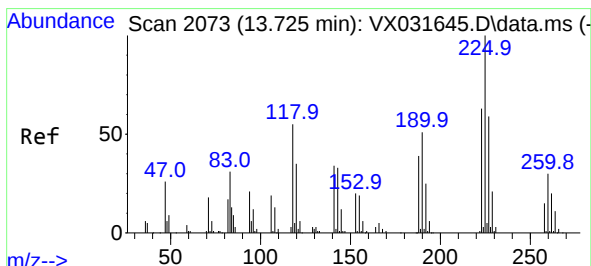
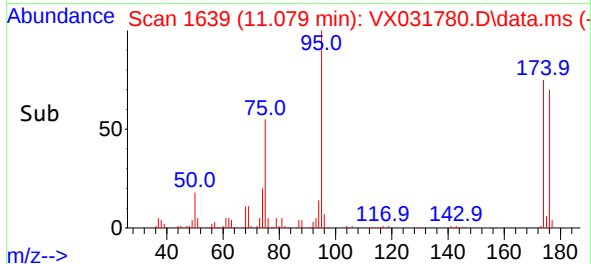
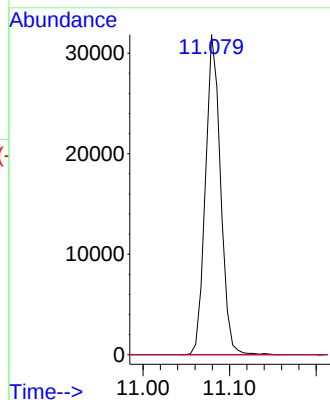
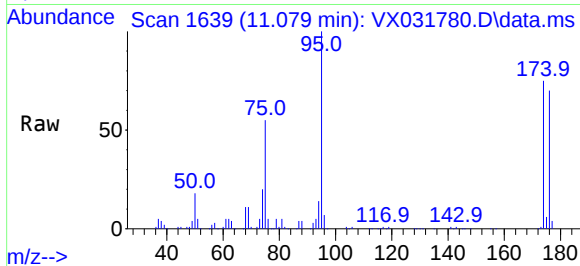




#81
trans-1,4-Dichloro-2-butene
Concen: 95.395 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

Tgt Ion: 75 Resp: 38592
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#94
Hexachlorobutadiene
Concen: 0.265 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX031780.D
Acq: 29 Sep 2022 17:52

Tgt Ion: 225 Resp: 142
Ion Ratio Lower Upper
225 100
223 83.1 30.8 92.4
227 15.5 32.3 96.9#

