

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030746.D
 Acq On : 23 Aug 2022 21:10
 Operator : JC/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 04:30:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

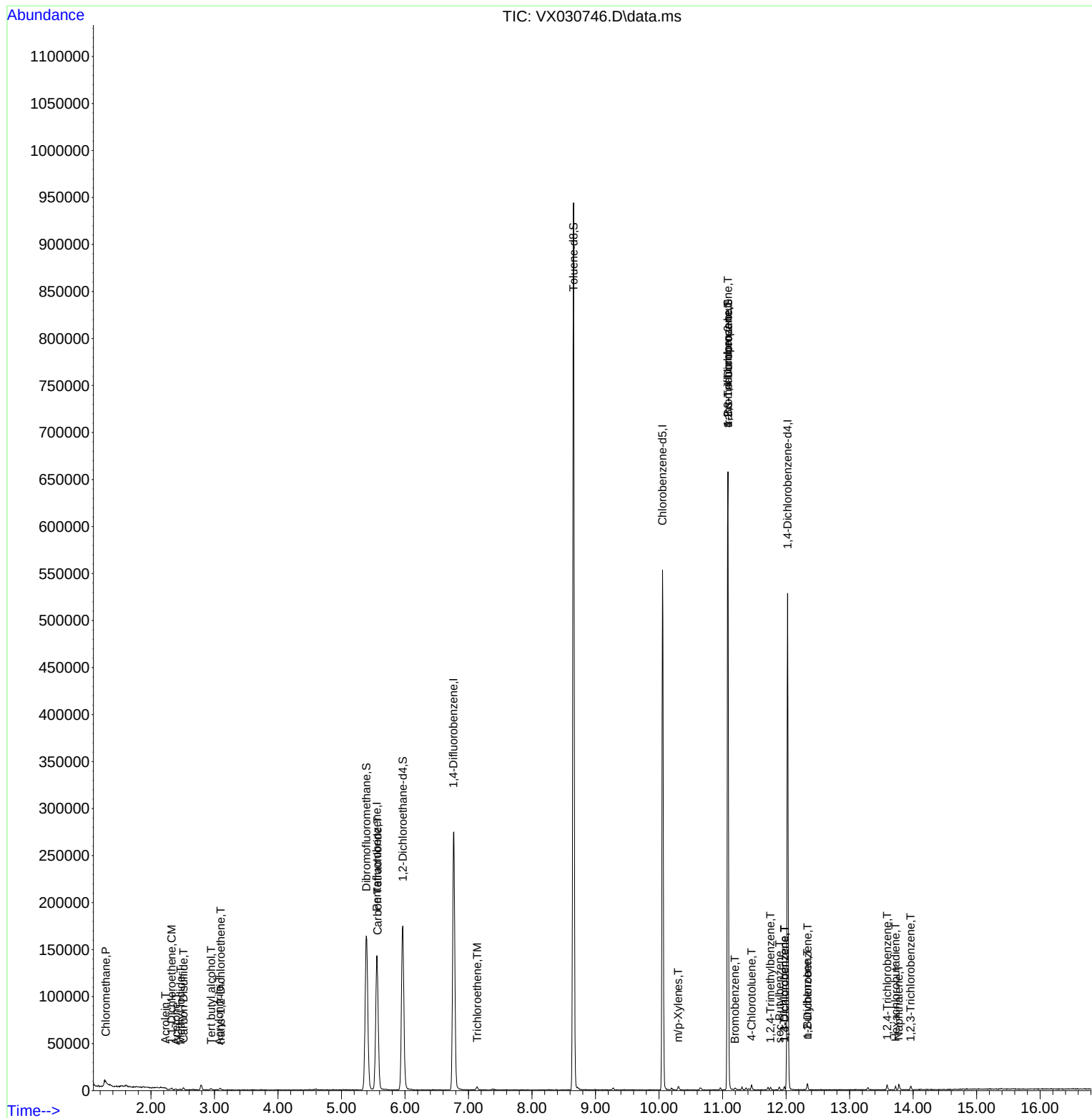
Internal Standards						
1) Pentafluorobenzene	5.556	168	132397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	293982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	265852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	163867	61.579	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.160%			
35) Dibromofluoromethane	5.391	113	153432	54.596	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.200%			
50) Toluene-d8	8.653	98	562495	51.684	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	11.085	95	185585	45.947	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.900%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	644	0.300	ug/l #	66
5) Bromomethane	1.618	94	531	Below Cal		99
10) Methyl Iodide	2.465	142	766	1.885	ug/l #	85
11) Tert butyl alcohol	2.947	59	900	1.386	ug/l #	74
12) 1,1-Dichloroethene	2.325	96	446	0.216	ug/l #	28
13) Acrolein	2.227	56	53	0.332	ug/l #	1
15) Acrylonitrile	3.075	53	668	0.416	ug/l #	72
16) Acetone	2.392	43	857	0.629	ug/l	93
17) Carbon Disulfide	2.514	76	2766	0.495	ug/l #	86
20) Methylene Chloride	2.788	84	2544	Below Cal		97
21) trans-1,2-Dichloroethene	3.099	96	673	0.295	ug/l #	76
38) Carbon Tetrachloride	5.568	117	13077	3.464	ug/l #	16
44) Trichloroethene	7.135	130	1305	0.375	ug/l	79
67) Ethyl Benzene	10.195	91	1363	Below Cal	#	77
68) m/p-Xylenes	10.299	106	1140	0.233	ug/l	89
76) 1,2,3-Trichloropropane	11.085	75	87461	31.008	ug/l #	38
77) Bromobenzene	11.195	156	398	0.203	ug/l	83
81) trans-1,4-Dichloro-2-b...	11.085	75	87461	93.022	ug/l #	13
82) 4-Chlorotoluene	11.457	91	1781	0.259	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	1449	0.208	ug/l	94
85) sec-Butylbenzene	11.896	105	2032	0.229	ug/l	88
87) 1,3-Dichlorobenzene	11.975	146	1278	0.335	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	1278	0.329	ug/l	97
89) n-Butylbenzene	12.335	91	2088	0.316	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	793	0.212	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	1433	0.660	ug/l	96
94) Hexachlorobutadiene	13.725	225	519	0.596	ug/l	87
95) Naphthalene	13.774	128	4503	0.531	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1141	0.513	ug/l	87

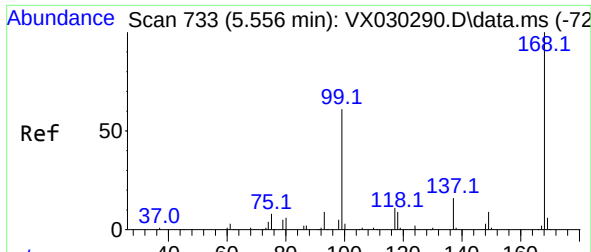
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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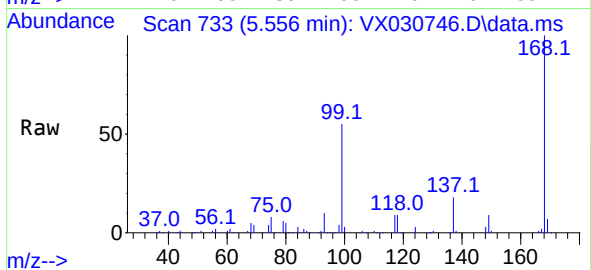
Quant Time: Aug 24 04:30:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260
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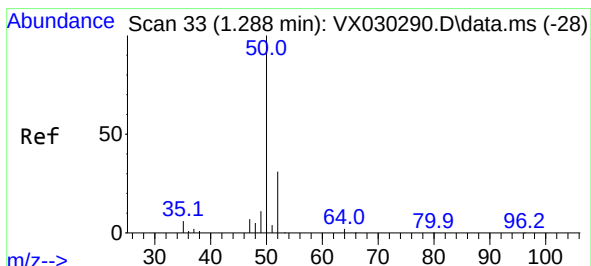
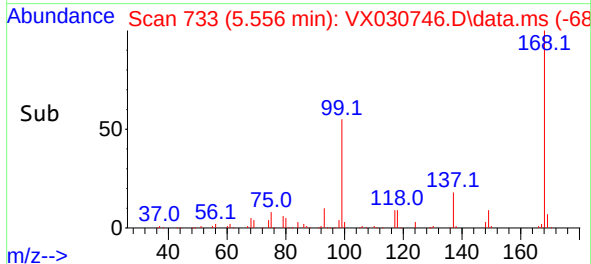
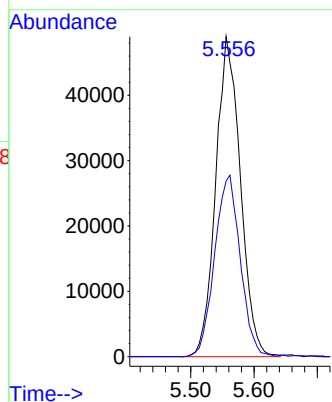


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :

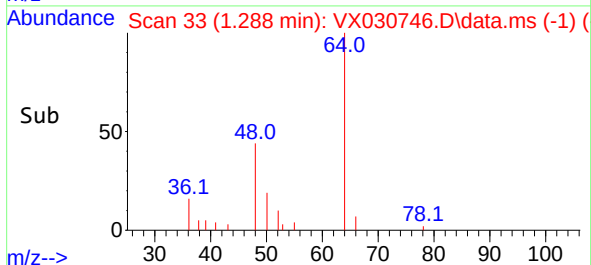
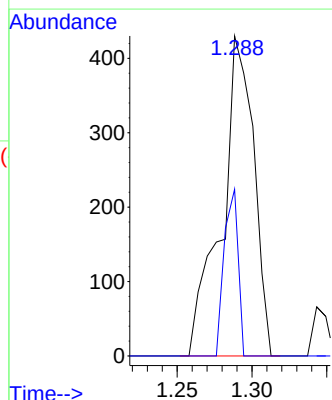
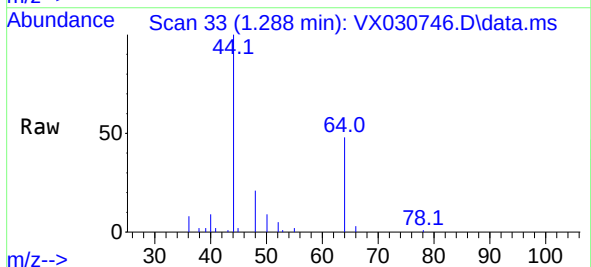


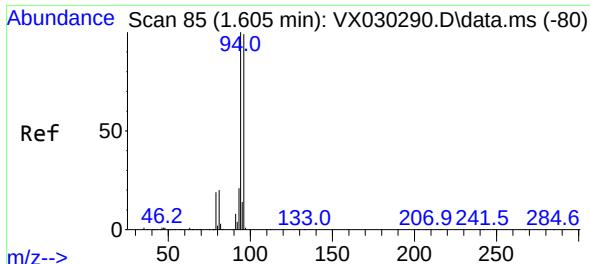
Tgt Ion:168 Resp: 132397
Ion Ratio Lower Upper
168 100
99 54.9 44.0 66.0



#3
Chloromethane
Concen: 0.300 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Tgt Ion: 50 Resp: 644
Ion Ratio Lower Upper
50 100
52 52.1 26.3 39.5#

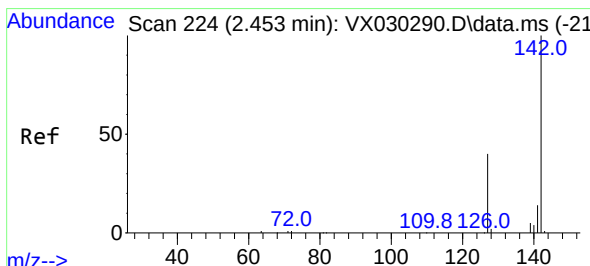
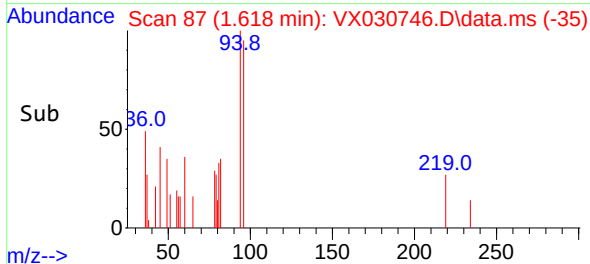
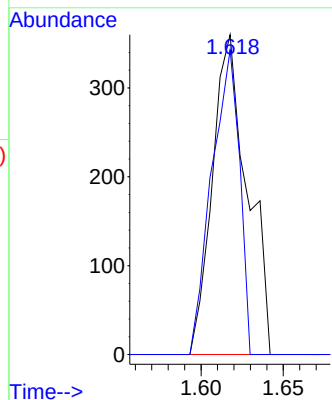
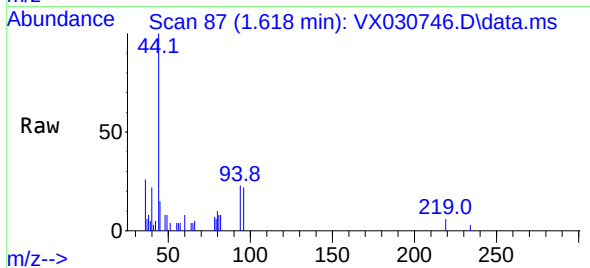




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

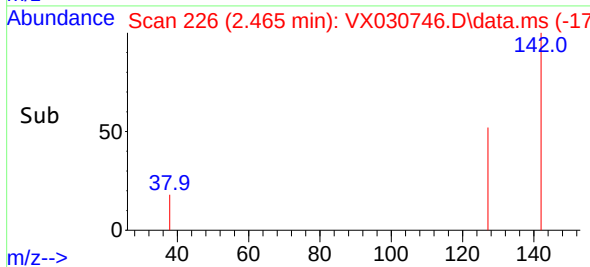
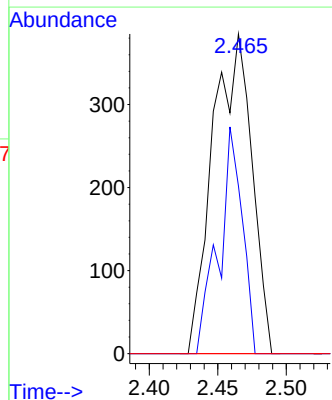
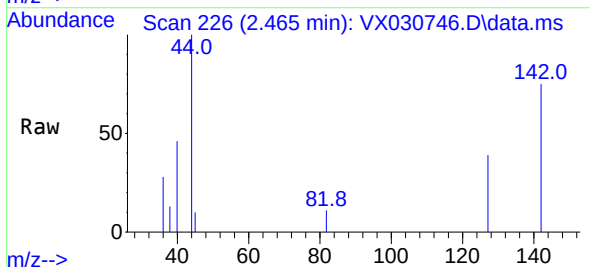
Instrument :
MSVOA_X
ClientSampleId :

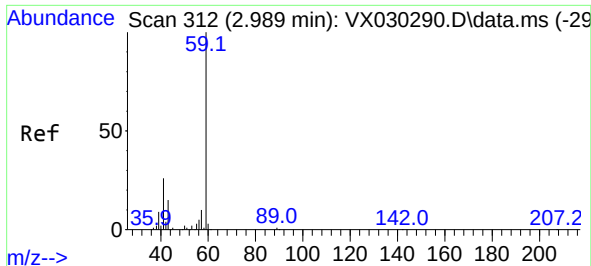
Tgt Ion: 94 Resp: 531
Ion Ratio Lower Upper
94 100
96 95.3 76.9 115.3



#10
Methyl Iodide
Concen: 1.885 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.019 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Tgt Ion: 142 Resp: 766
Ion Ratio Lower Upper
142 100
127 42.4 30.2 45.2
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.386 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

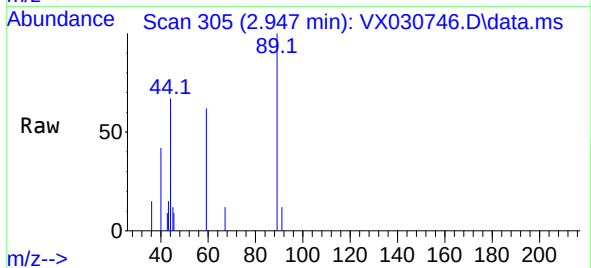
Lab File: VX030746.D

Acq: 23 Aug 2022 21:10

Instrument :

MSVOA_X

ClientSampleId :

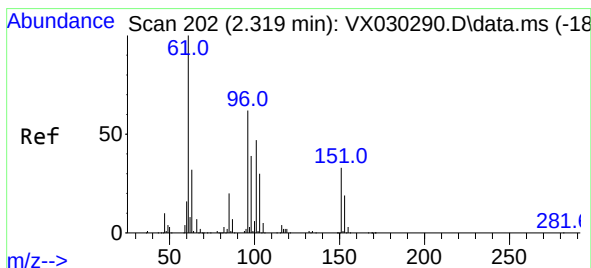
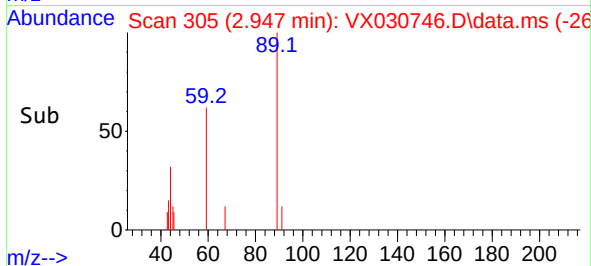
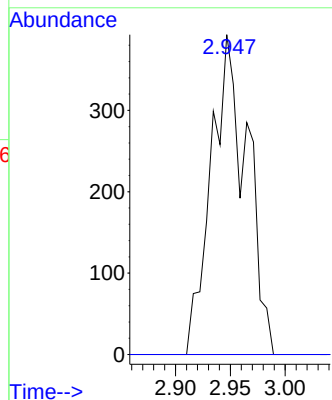


Tgt Ion: 59 Resp: 900

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.216 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX030746.D

Acq: 23 Aug 2022 21:10

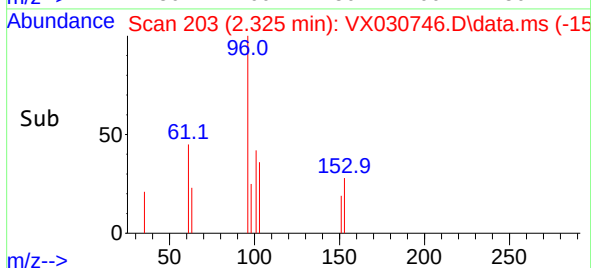
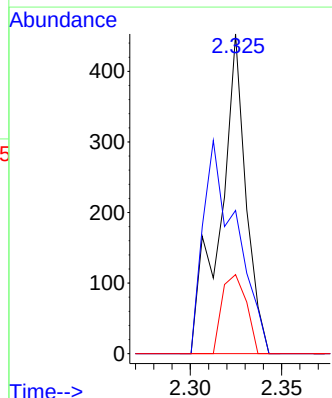
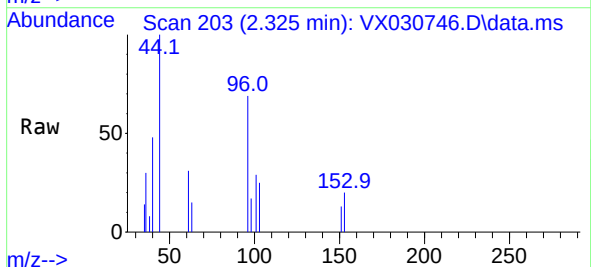
Tgt Ion: 96 Resp: 446

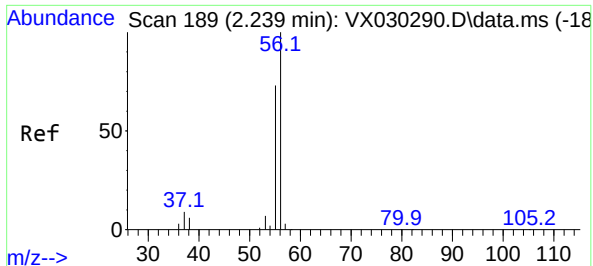
Ion Ratio Lower Upper

96 100

61 44.8 117.4 176.0#

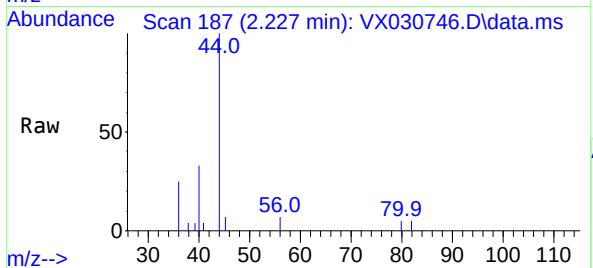
98 24.7 52.2 78.4#



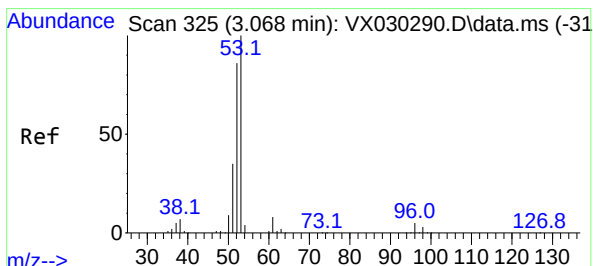
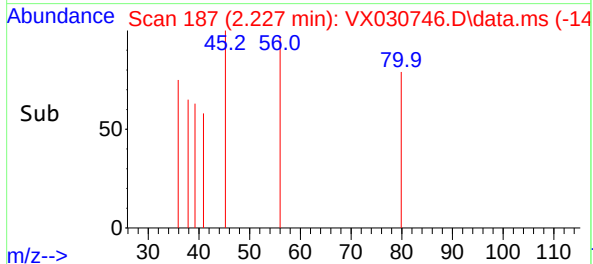
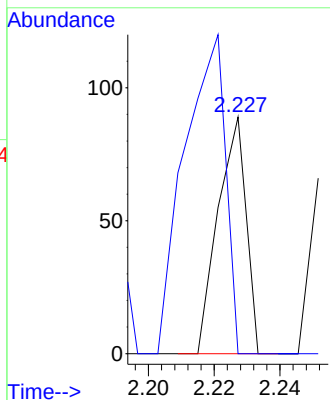


#13
Acrolein
Concen: 0.332 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :

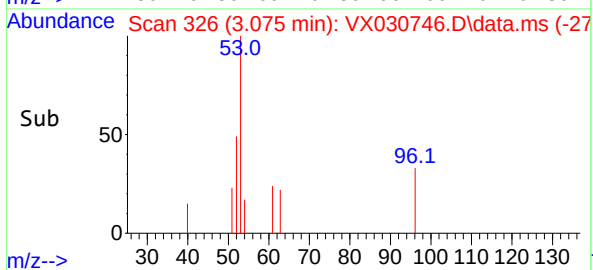
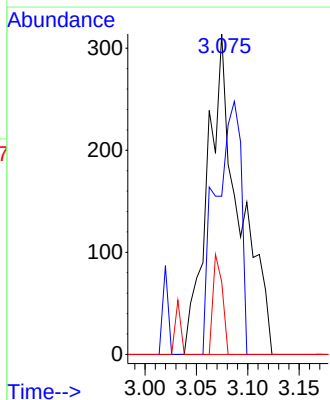
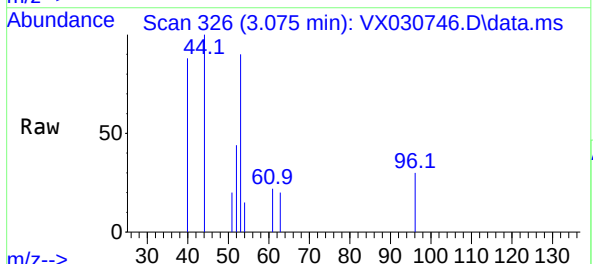


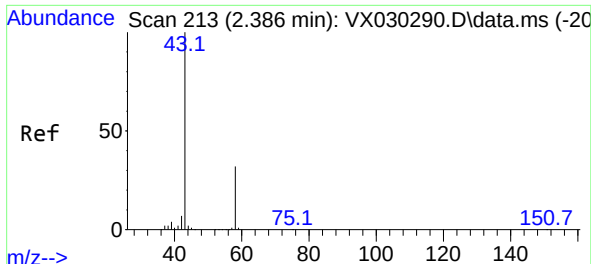
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 196.2 56.6 84.8#



#15
Acrylonitrile
Concen: 0.416 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.007 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

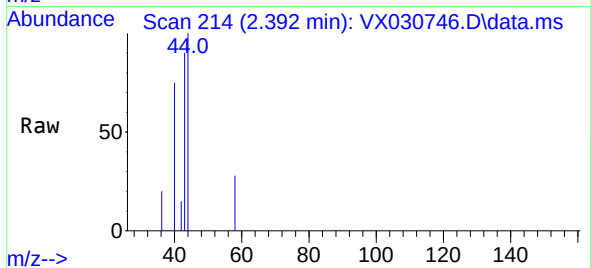
Tgt Ion: 53 Resp: 668
Ion Ratio Lower Upper
53 100
52 63.2 65.4 98.0#
51 9.3 27.7 41.5#



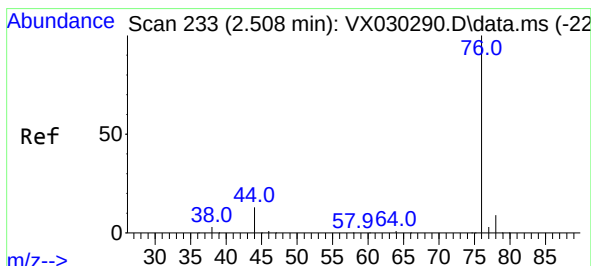
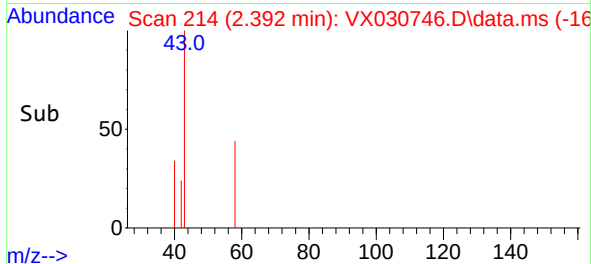
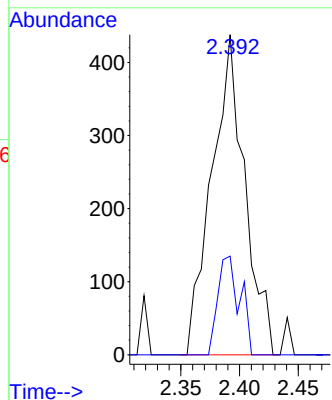


#16
Acetone
Concen: 0.629 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :

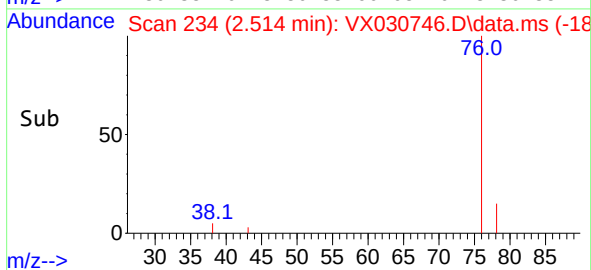
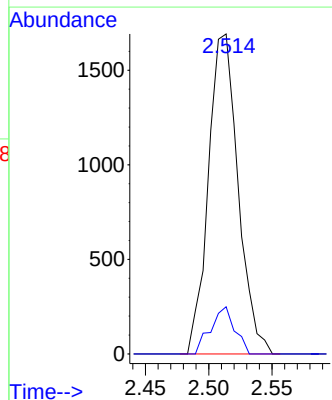
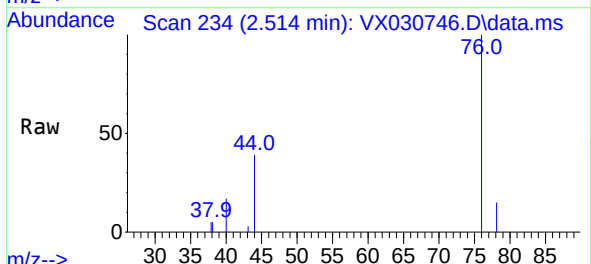


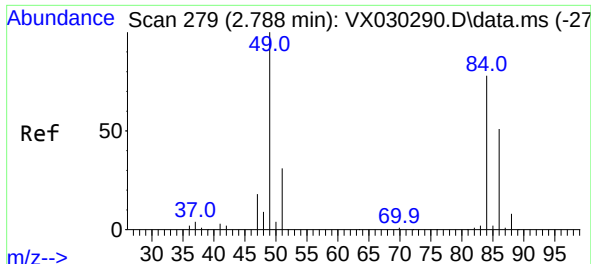
Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
58 30.8 27.7 41.5



#17
Carbon Disulfide
Concen: 0.495 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Tgt Ion: 76 Resp: 2766
Ion Ratio Lower Upper
76 100
78 14.7 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

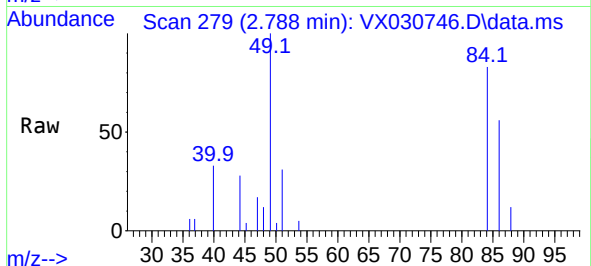
Lab File: VX030746.D

Acq: 23 Aug 2022 21:10

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2544

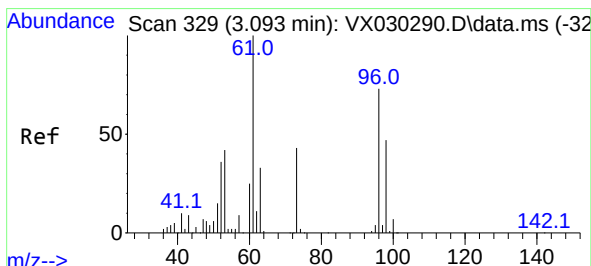
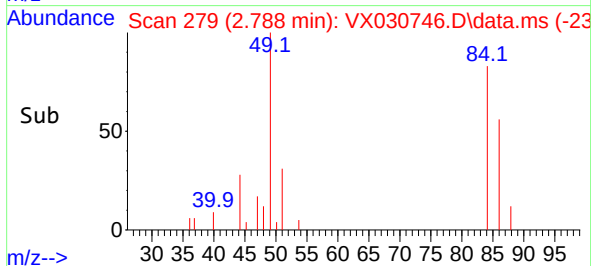
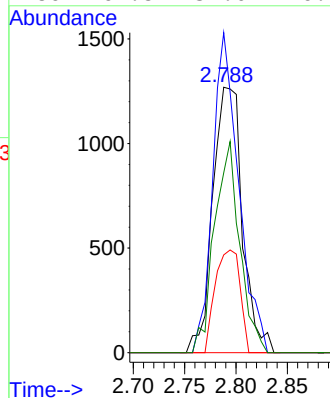
Ion Ratio Lower Upper

84 100

49 120.6 93.8 140.6

51 36.8 29.4 44.0

86 67.8 51.0 76.4



#21

trans-1,2-Dichloroethene

Concen: 0.295 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.007 min

Lab File: VX030746.D

Acq: 23 Aug 2022 21:10

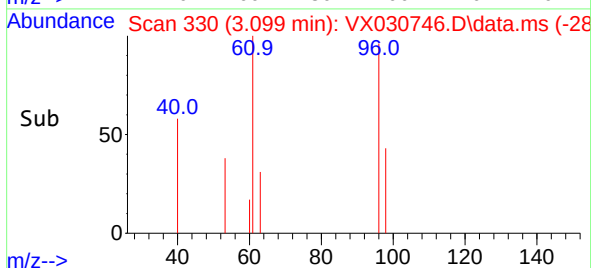
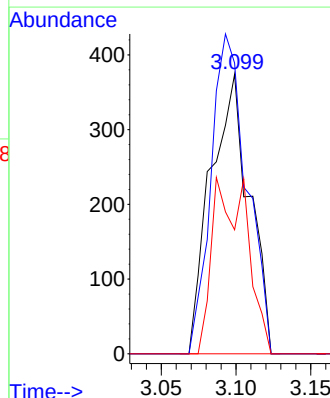
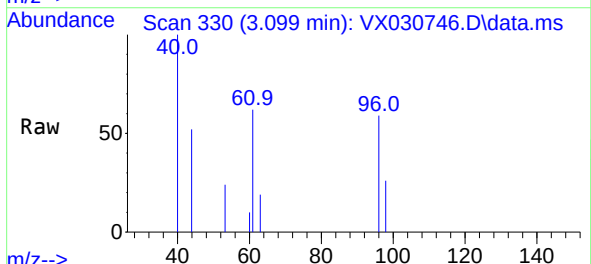
Tgt Ion: 96 Resp: 673

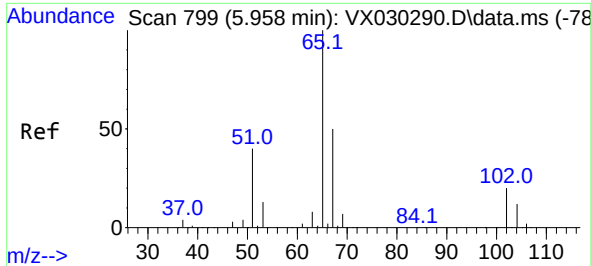
Ion Ratio Lower Upper

96 100

61 104.0 105.6 158.4#

98 44.4 50.1 75.1#

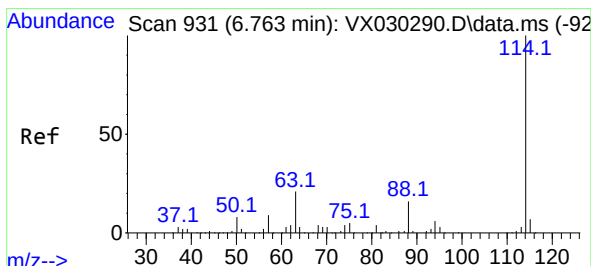
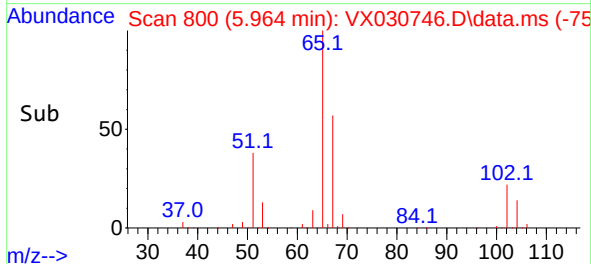
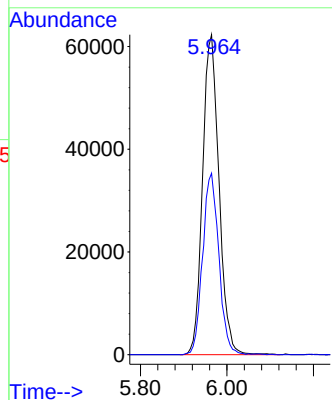
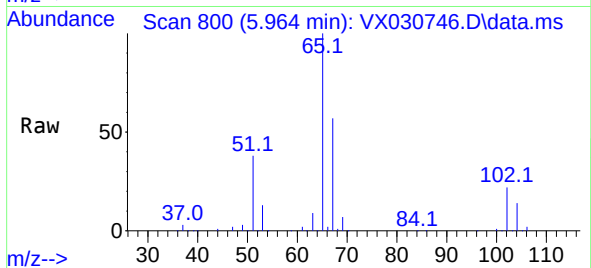




#33
1,2-Dichloroethane-d4
Concen: 61.579 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

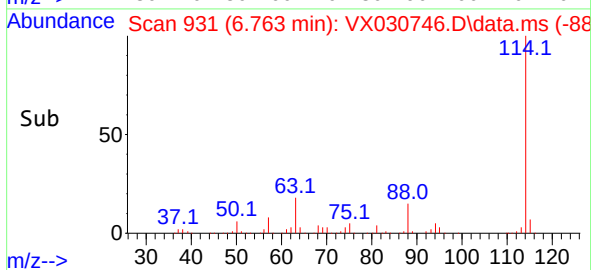
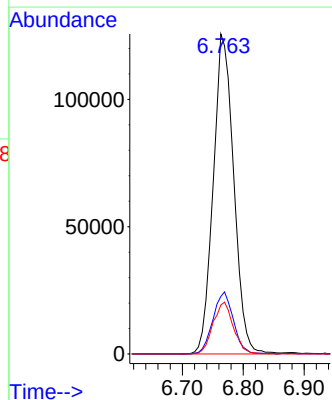
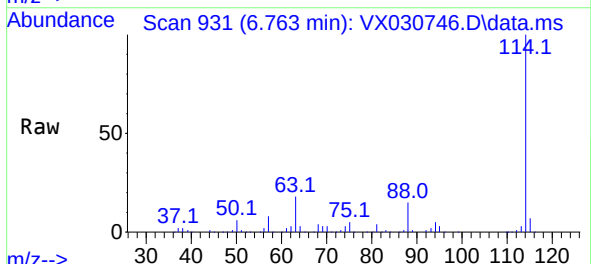
Instrument :
MSVOA_X
ClientSampleId :

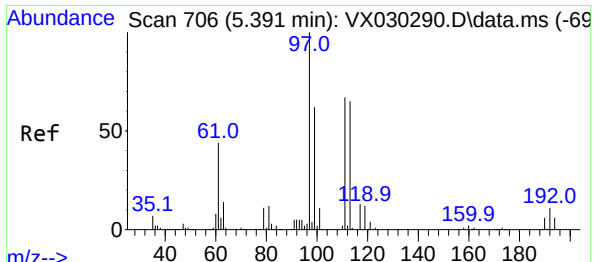
Tgt Ion: 65 Resp: 163867
Ion Ratio Lower Upper
65 100
67 56.0 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

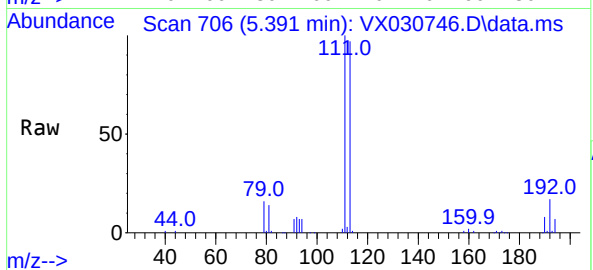
Tgt Ion: 114 Resp: 293982
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 15.3 0.0 31.8



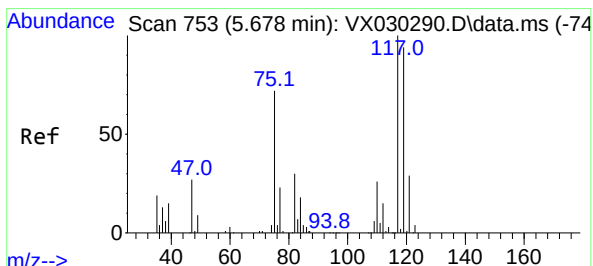
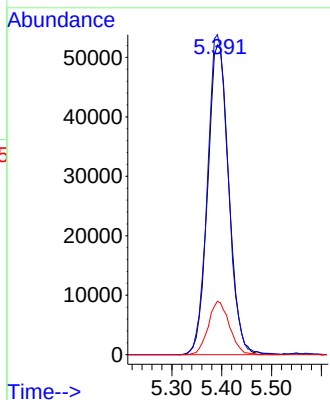
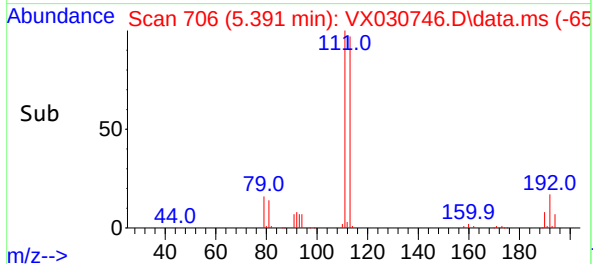


#35
Dibromofluoromethane
Concen: 54.596 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :

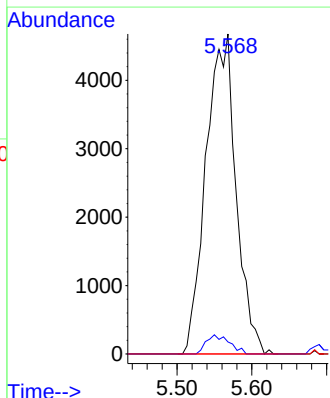
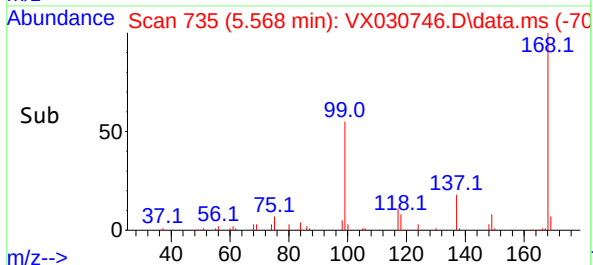
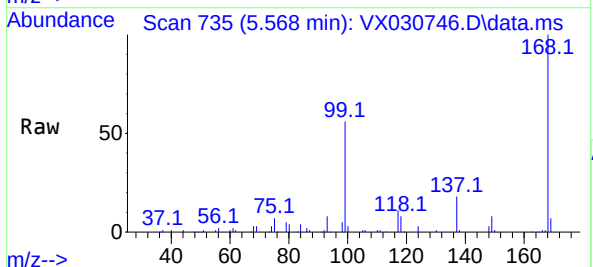


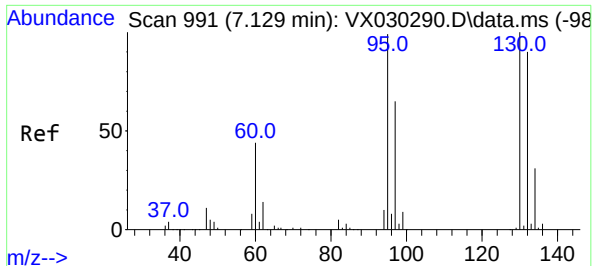
Tgt Ion:113 Resp: 153432
Ion Ratio Lower Upper
113 100
111 102.0 83.2 124.8
192 17.2 14.8 22.2



#38
Carbon Tetrachloride
Concen: 3.464 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.115 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Tgt Ion:117 Resp: 13077
Ion Ratio Lower Upper
117 100
119 3.8 74.1 111.1#
121 0.0 25.8 38.8#

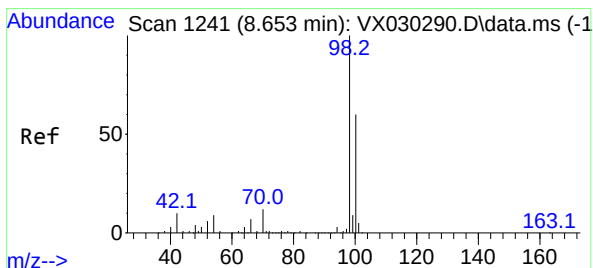
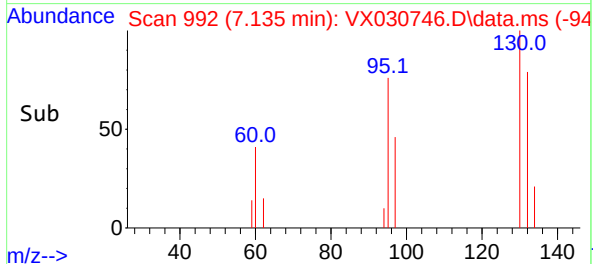
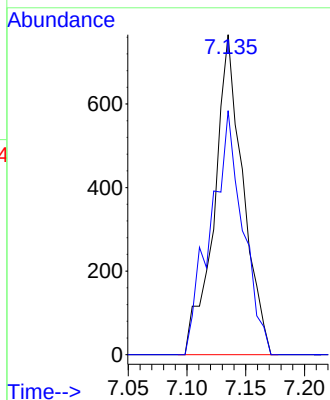
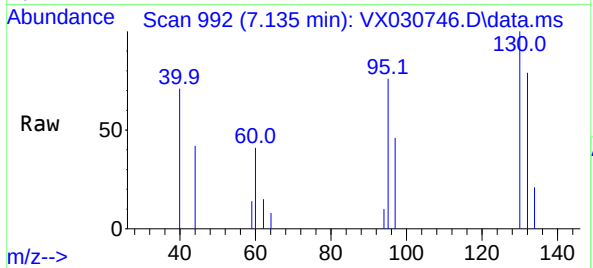




#44
Trichloroethene
Concen: 0.375 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

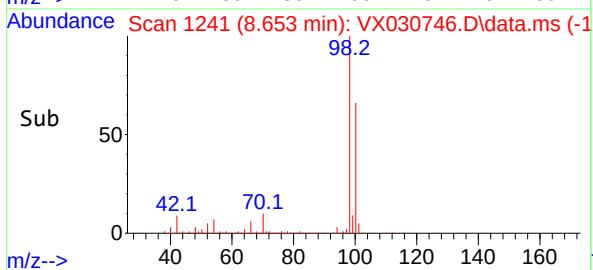
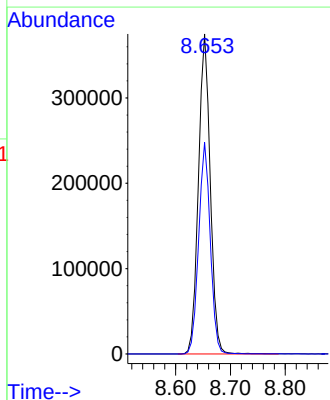
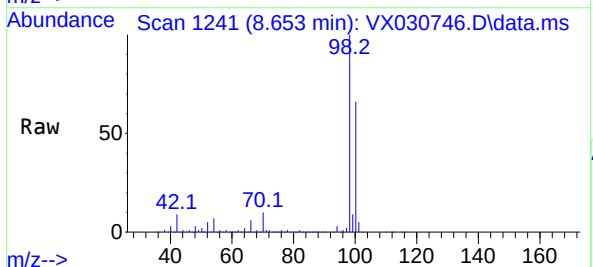
Instrument :
MSVOA_X
ClientSampleId :

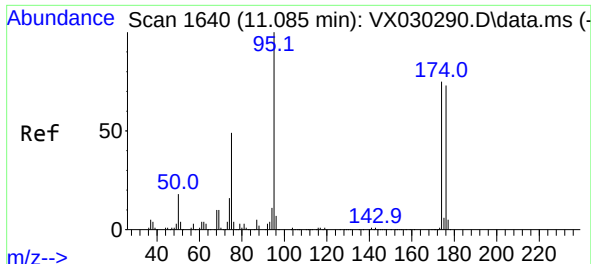
Tgt Ion:130 Resp: 1305
Ion Ratio Lower Upper
130 100
95 76.2 0.0 194.8



#50
Toluene-d8
Concen: 51.684 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Tgt Ion: 98 Resp: 562495
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

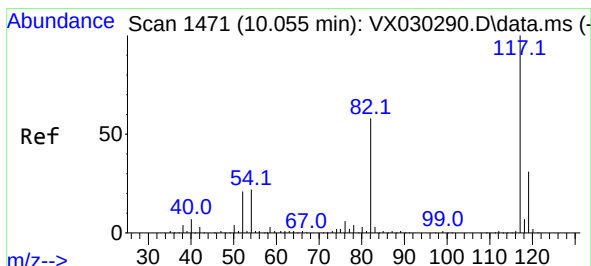
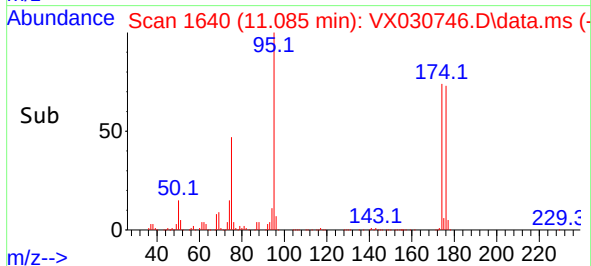
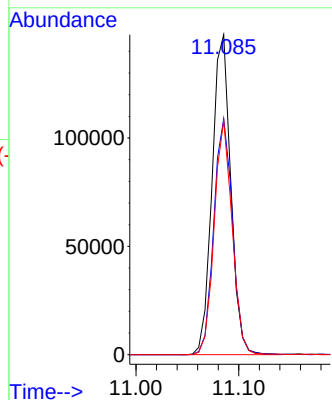
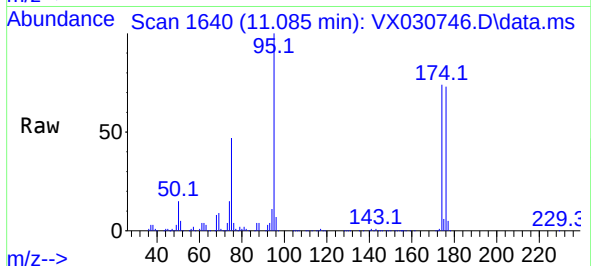




#62
4-Bromofluorobenzene
Concen: 45.947 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

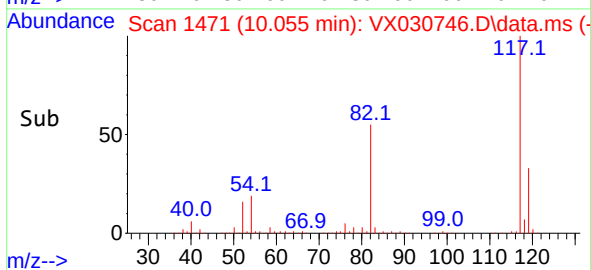
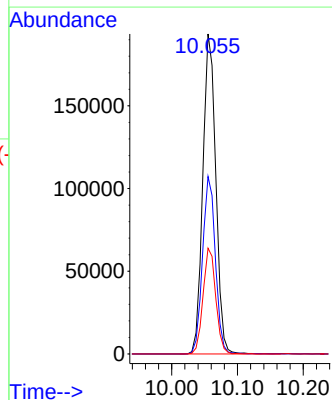
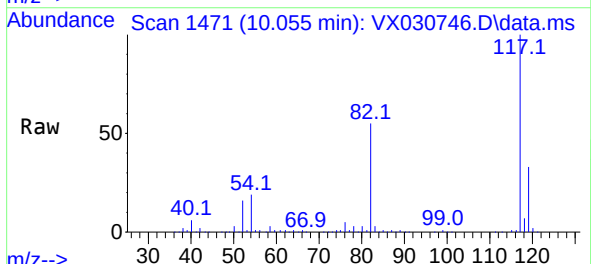
Instrument :
MSVOA_X
ClientSampleId :

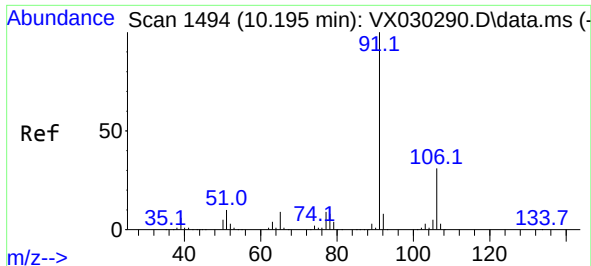
Tgt Ion: 95 Resp: 185585
Ion Ratio Lower Upper
95 100
174 74.0 0.0 149.0
176 70.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

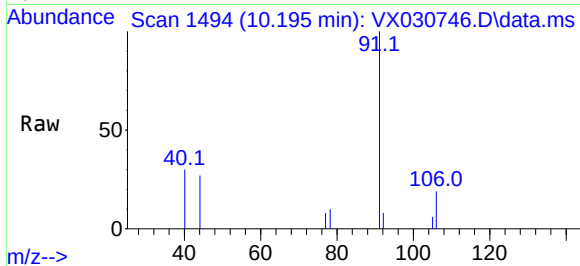
Tgt Ion: 117 Resp: 265852
Ion Ratio Lower Upper
117 100
82 55.4 42.7 64.1
119 33.1 25.4 38.2



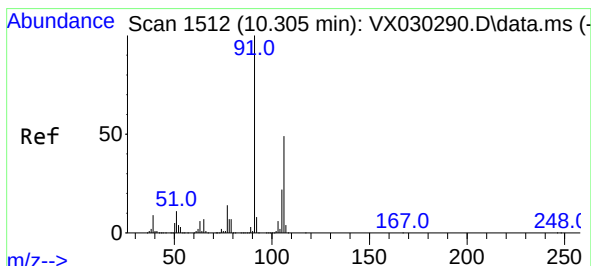
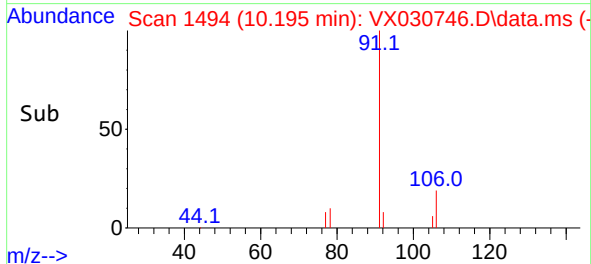
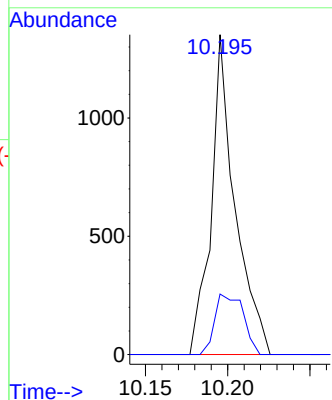


#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :

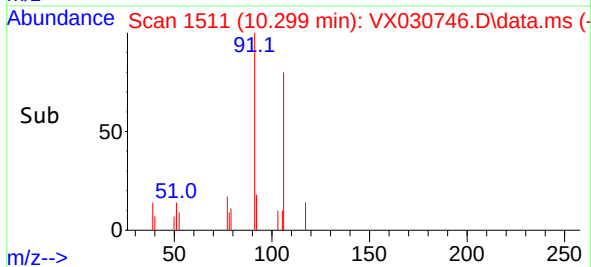
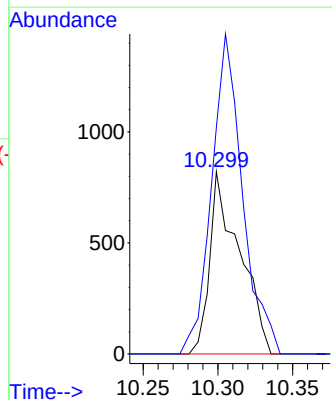
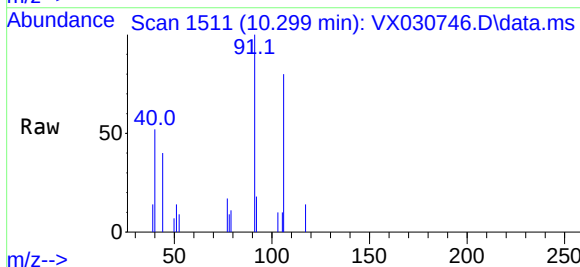


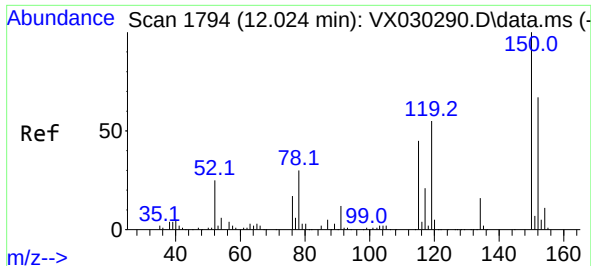
Tgt Ion: 91 Resp: 1363
Ion Ratio Lower Upper
91 100
106 18.9 25.5 38.3#



#68
m/p-Xylenes
Concen: 0.233 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

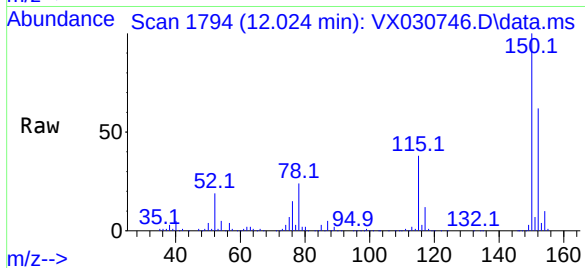
Tgt Ion:106 Resp: 1140
Ion Ratio Lower Upper
106 100
91 181.8 158.2 237.4



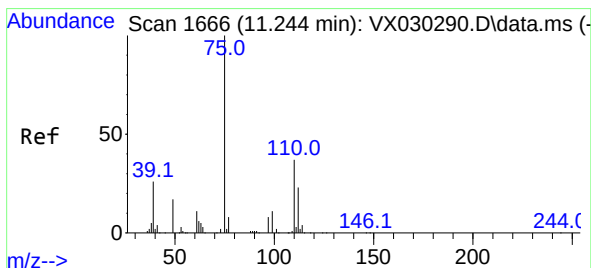
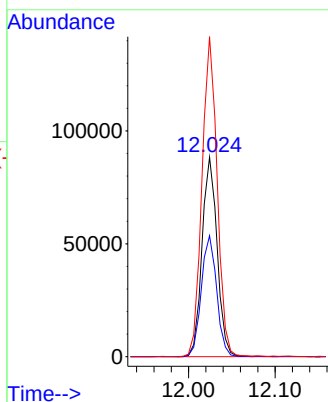
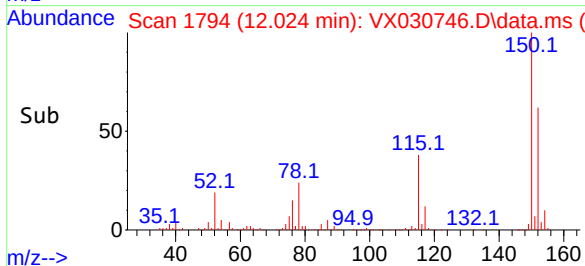


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

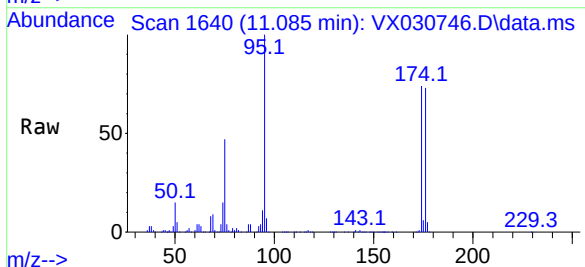
Instrument :
MSVOA_X
ClientSampleId :



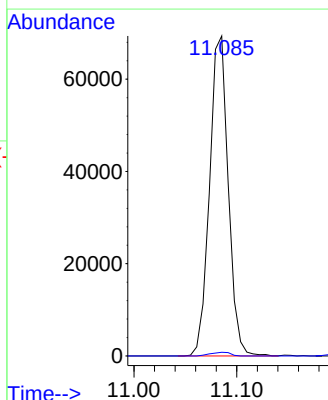
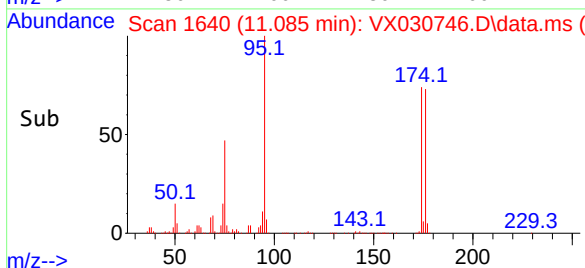
Tgt Ion:152 Resp: 107005
Ion Ratio Lower Upper
152 100
115 61.5 40.5 121.5
150 161.2 0.0 347.0

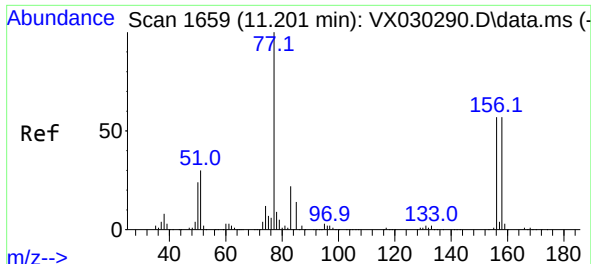


#76
1,2,3-Trichloropropane
Concen: 31.008 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10



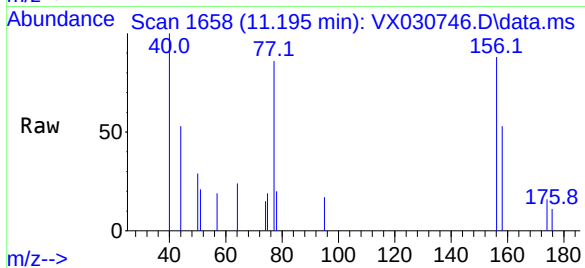
Tgt Ion: 75 Resp: 87461
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



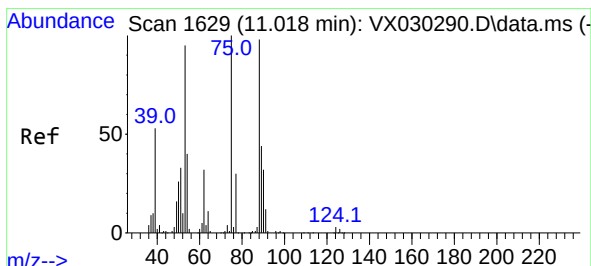
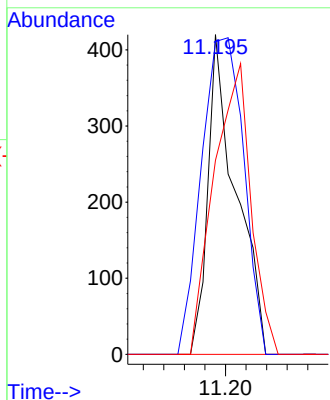
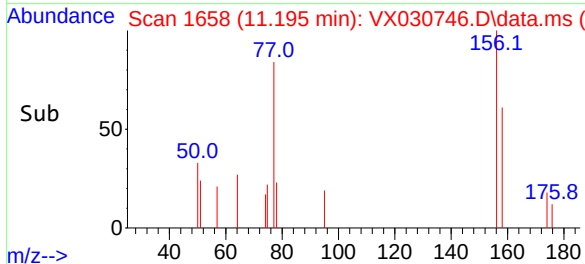


#77
Bromobenzene
Concen: 0.203 ug/l
RT: 11.195 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

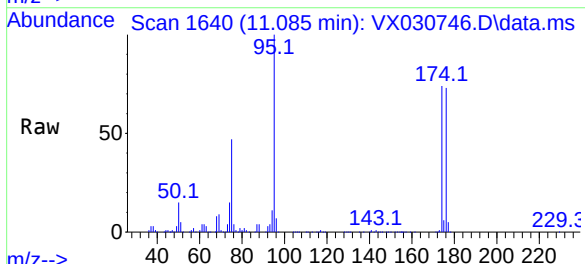
Instrument :
MSVOA_X
ClientSampleId :



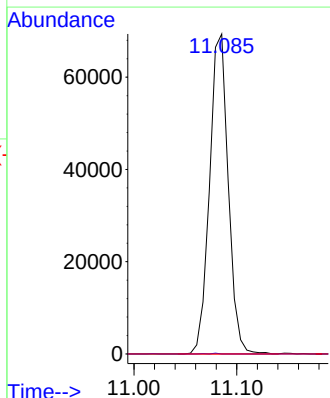
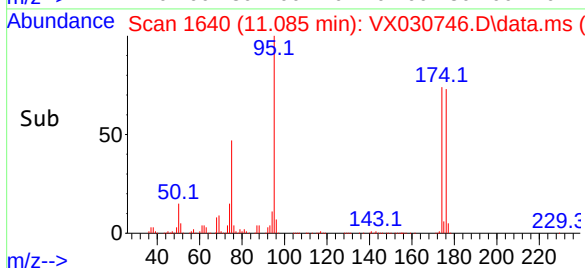
Tgt Ion:	156	Resp:	398
Ion	Ratio	Lower	Upper
156	100		
77	149.2	82.7	247.9
158	119.8	47.5	142.5

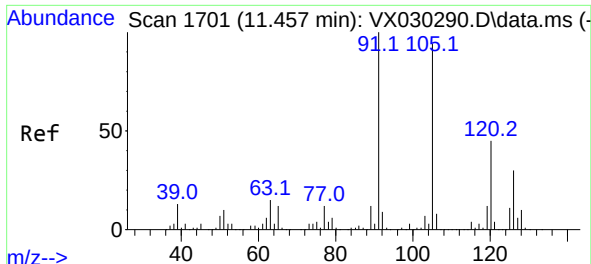


#81
trans-1,4-Dichloro-2-butene
Concen: 93.022 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10



Tgt Ion:	75	Resp:	87461
Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.2	111.4#
89	0.0	34.8	52.2#

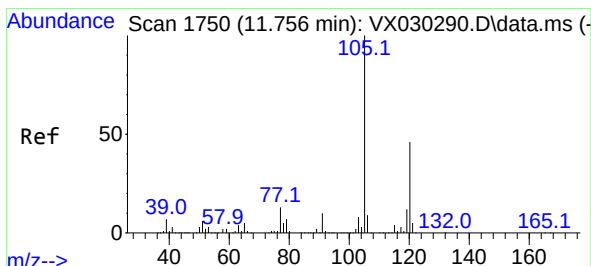
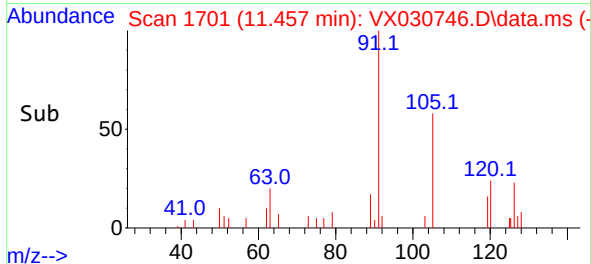
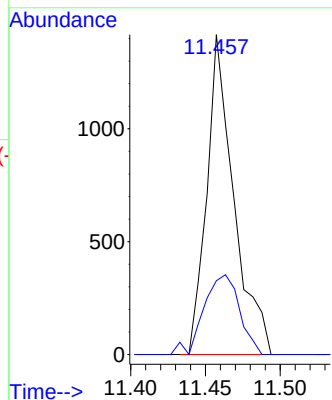
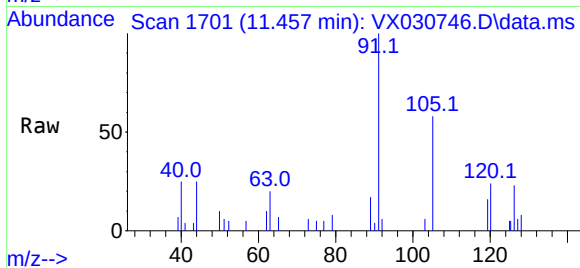




#82
4-Chlorotoluene
Concen: 0.259 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

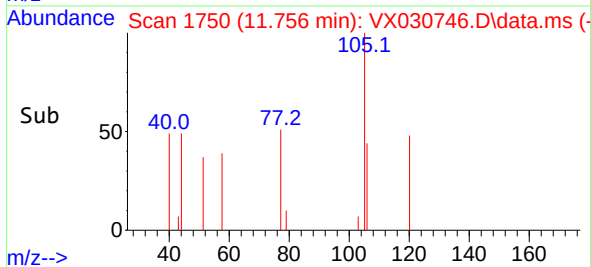
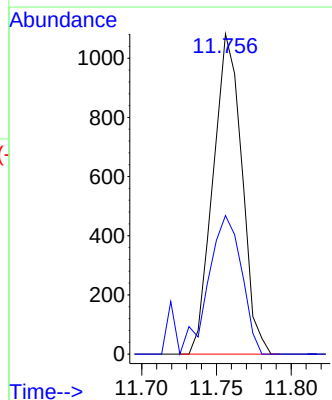
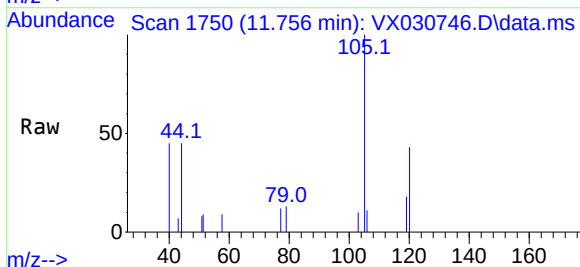
Instrument :
MSVOA_X
ClientSampleId :

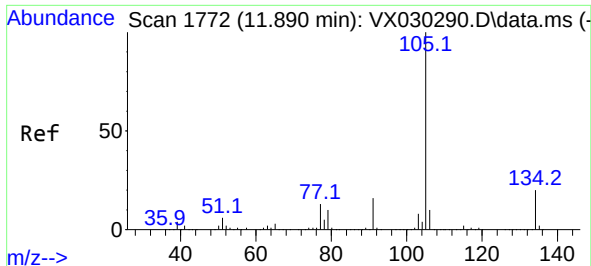
Tgt Ion: 91 Resp: 1781
Ion Ratio Lower Upper
91 100
126 32.8 15.3 45.9



#84
1,2,4-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Tgt Ion: 105 Resp: 1449
Ion Ratio Lower Upper
105 100
120 49.6 22.9 68.8

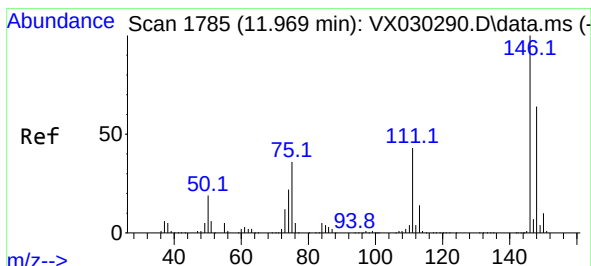
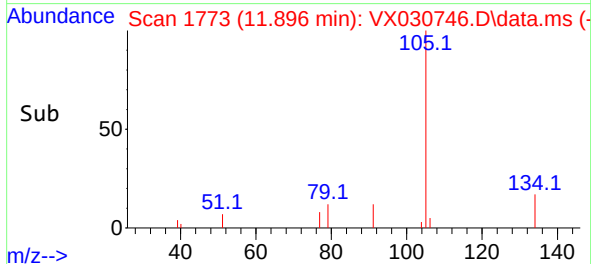
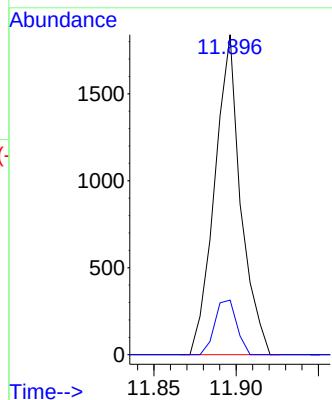
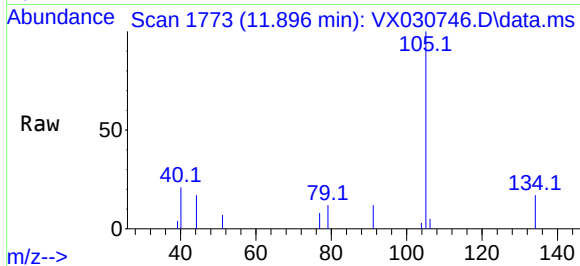




#85
 sec-Butylbenzene
 Concen: 0.229 ug/l
 RT: 11.896 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030746.D
 Acq: 23 Aug 2022 21:10

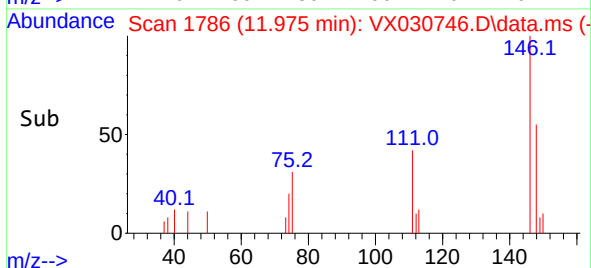
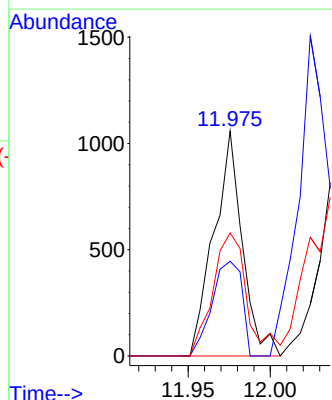
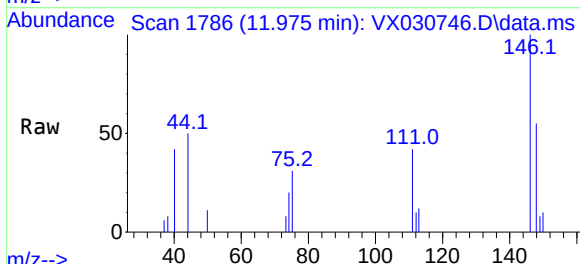
Instrument :
 MSVOA_X
 ClientSampleId :

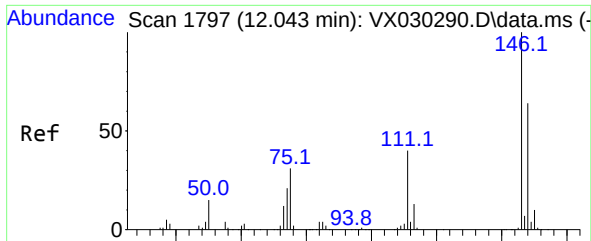
Tgt Ion:105 Resp: 2032
 Ion Ratio Lower Upper
 105 100
 134 14.3 10.0 30.0



#87
 1,3-Dichlorobenzene
 Concen: 0.335 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.000 min
 Lab File: VX030746.D
 Acq: 23 Aug 2022 21:10

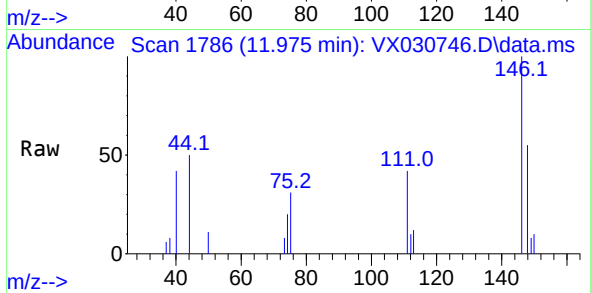
Tgt Ion:146 Resp: 1278
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.3 60.8
 148 66.1 31.8 95.3



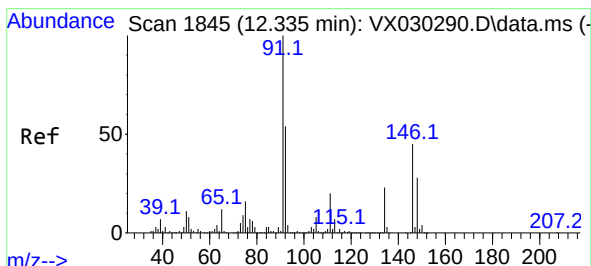
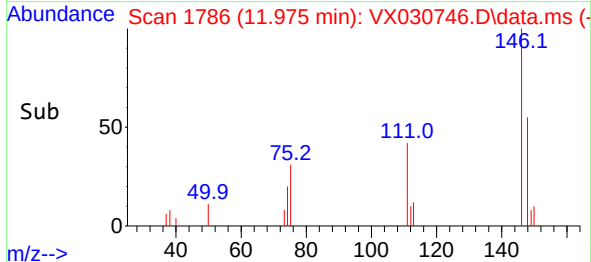
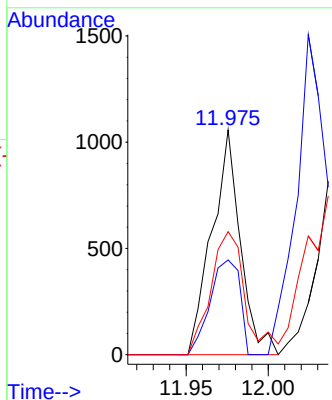


#88
1,4-Dichlorobenzene
Concen: 0.329 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :

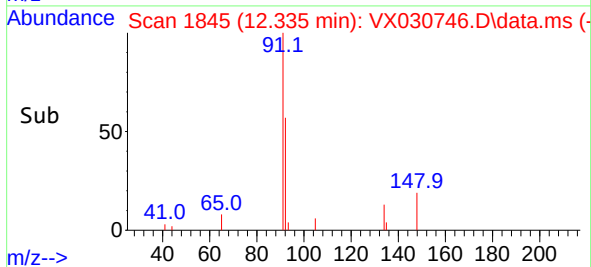
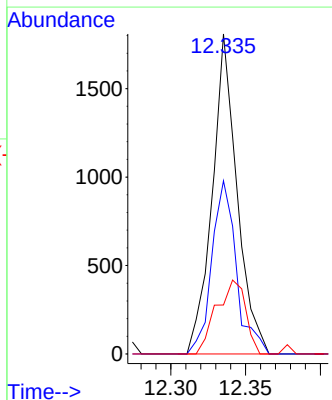
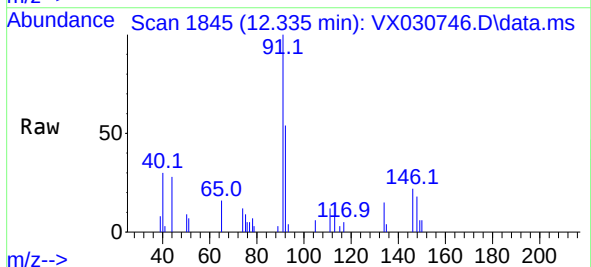


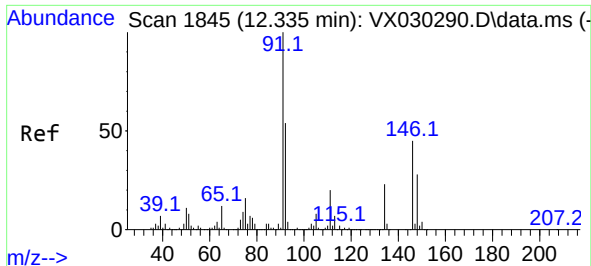
Tgt Ion:146 Resp: 1278
Ion Ratio Lower Upper
146 100
111 44.1 20.3 60.9
148 66.1 32.3 96.8



#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

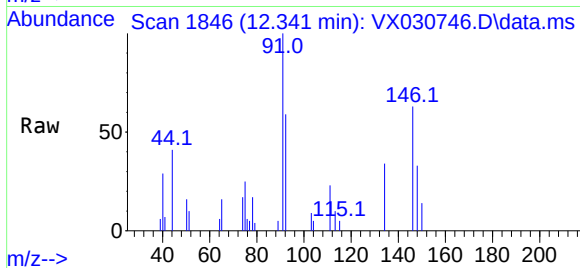
Tgt Ion: 91 Resp: 2088
Ion Ratio Lower Upper
91 100
92 53.4 26.2 78.5
134 26.9 12.6 37.8



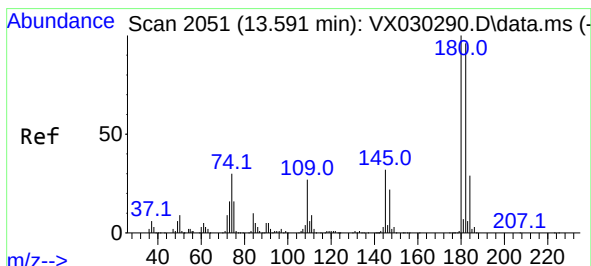
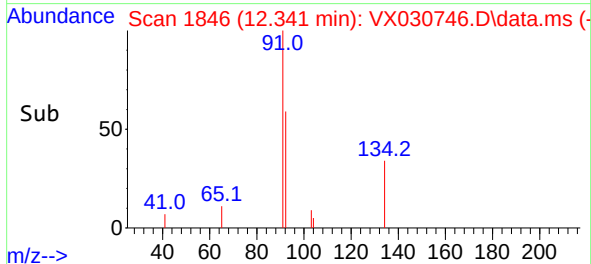
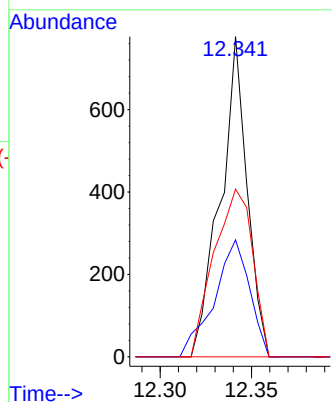


#91
1,2-Dichlorobenzene
Concen: 0.212 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :

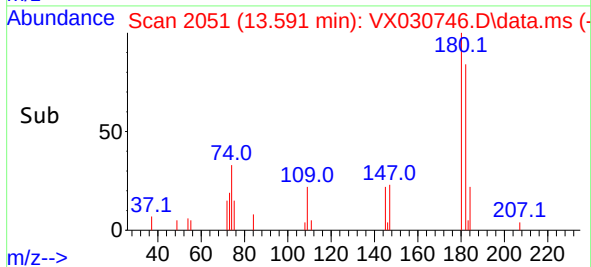
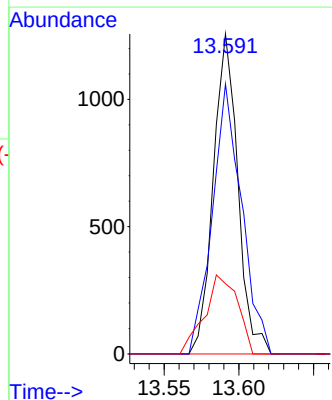
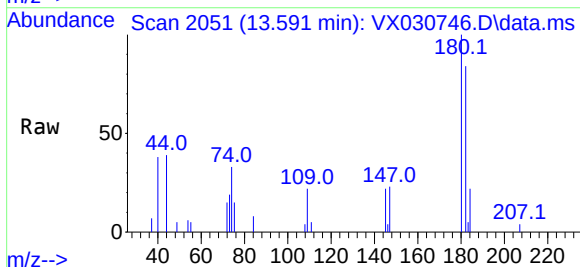


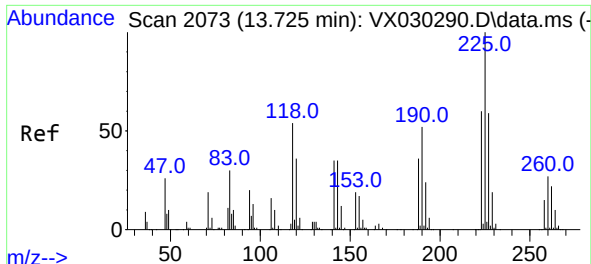
Tgt Ion:146 Resp: 793
Ion Ratio Lower Upper
146 100
111 48.2 20.7 62.1
148 75.3 32.0 96.2



#93
1,2,4-Trichlorobenzene
Concen: 0.660 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

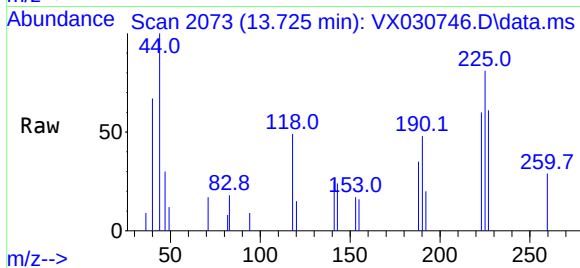
Tgt Ion:180 Resp: 1433
Ion Ratio Lower Upper
180 100
182 100.8 48.2 144.6
145 33.1 15.9 47.6



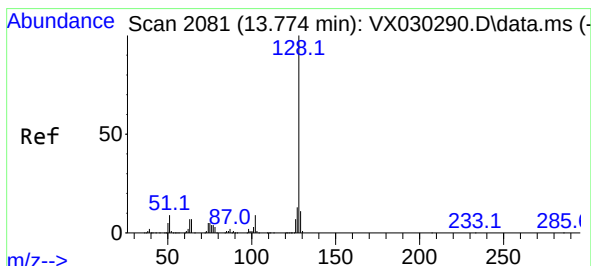
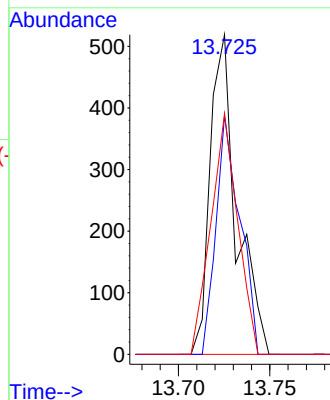
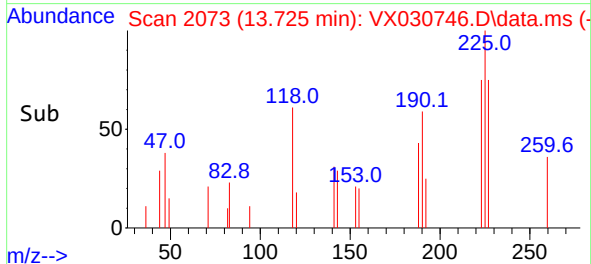


#94
Hexachlorobutadiene
Concen: 0.596 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10

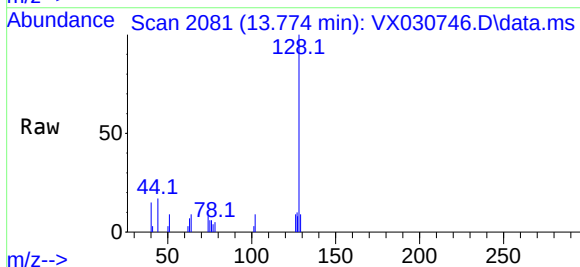
Instrument :
MSVOA_X
ClientSampleId :



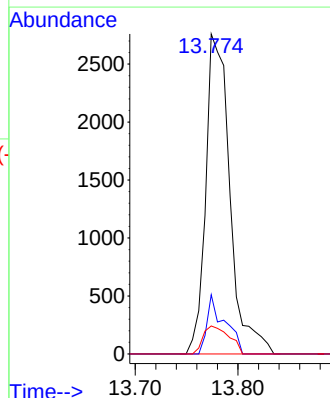
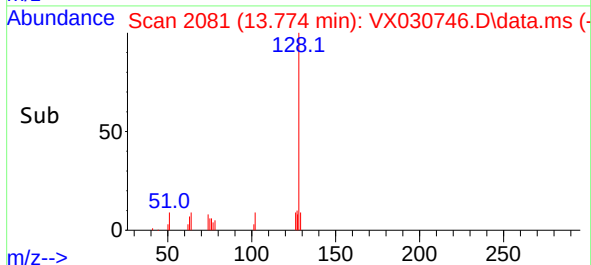
Tgt Ion:225 Resp: 519
Ion Ratio Lower Upper
225 100
223 68.0 30.6 91.6
227 77.3 31.9 95.9

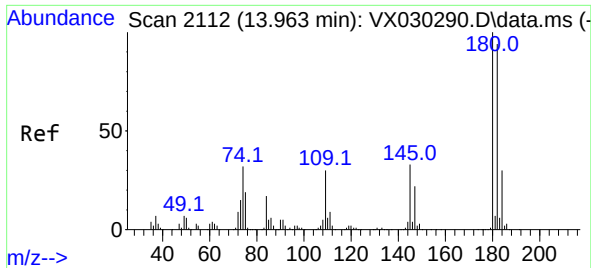


#95
Naphthalene
Concen: 0.531 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX030746.D
Acq: 23 Aug 2022 21:10



Tgt Ion:128 Resp: 4503
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 9.4 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.513 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.001 min

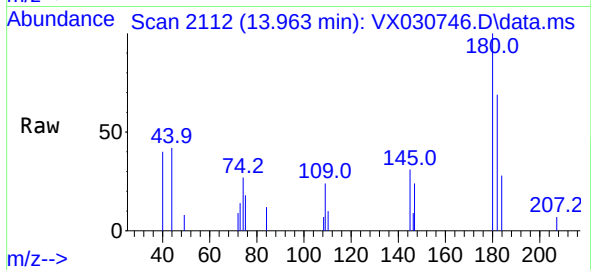
Lab File: VX030746.D

Acq: 23 Aug 2022 21:10

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 1141

Ion Ratio Lower Upper

180 100

182 82.0 47.0 141.0

145 41.8 17.0 50.9

