

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014845.D
 Acq On : 26 Jul 2023 13:32
 Operator : SY/MD
 Sample : 03694-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 26 13:57:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

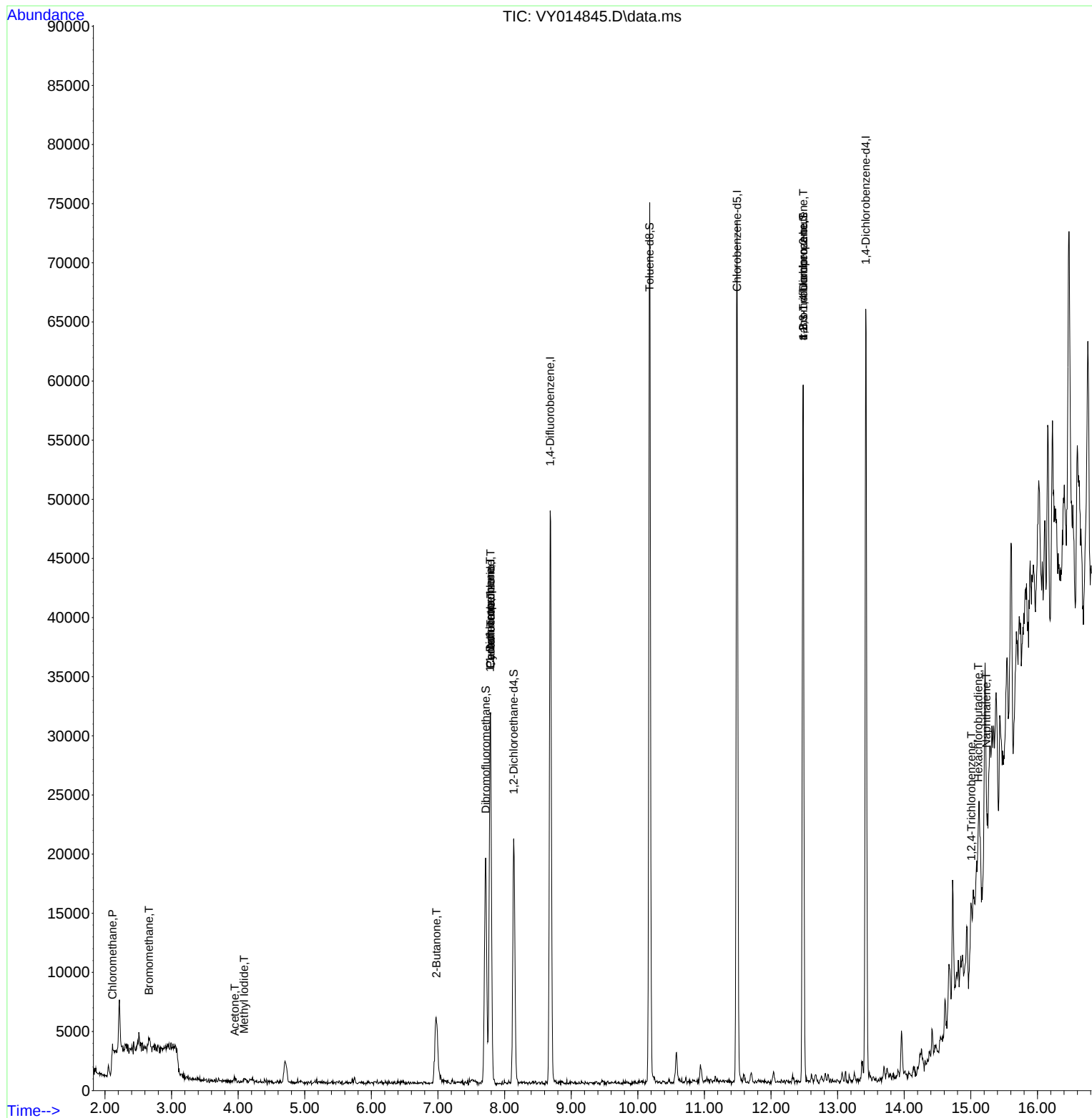
Internal Standards						
1) Pentafluorobenzene	7.789	168	24852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	43038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	39976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	16495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	15989	56.459	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.920%			
35) Dibromofluoromethane	7.716	113	13382	48.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.680%			
50) Toluene-d8	10.179	98	49670	49.175	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.340%			
62) 4-Bromofluorobenzene	12.483	95	17410	44.952	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.900%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	418	1.837	ug/l	99
5) Bromomethane	2.662	94	576	3.427	ug/l #	47
10) Methyl Iodide	4.088	142	362	3.612	ug/l #	38
11) Tert butyl alcohol	4.954	59	276	Below Cal	#	89
16) Acetone	3.948	43	646	7.198	ug/l	93
25) 2-Butanone	6.978	43	497	3.785	ug/l #	49
31) Cyclohexane	7.789	56	612	1.302	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	2131	5.201	ug/l #	45
38) Carbon Tetrachloride	7.789	117	2646	6.109	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	9559	45.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	9559	88.841	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	711	2.131	ug/l #	66
94) Hexachlorobutadiene	15.111	225	189	1.031	ug/l	96
95) Naphthalene	15.233	128	2595	3.338	ug/l #	84

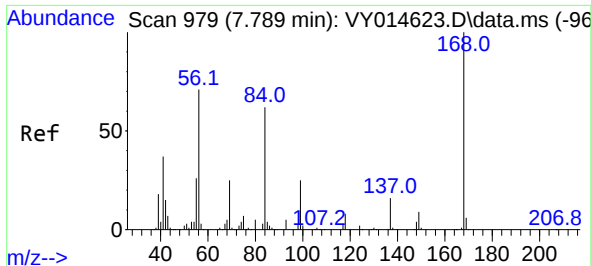
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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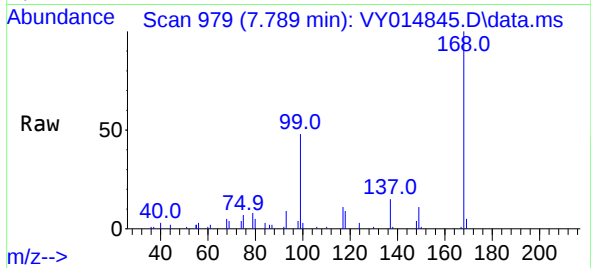
Quant Time: Jul 26 13:57:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration



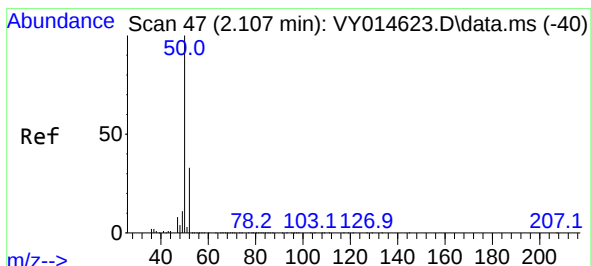
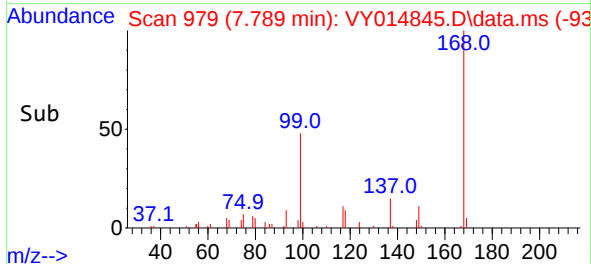
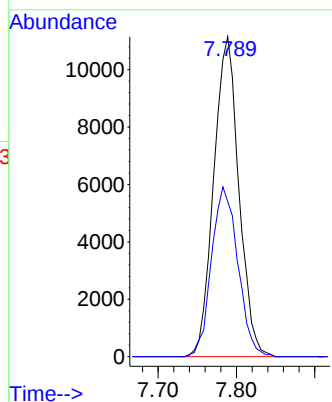


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

Instrument :
MSVOA_Y
ClientSampleId :

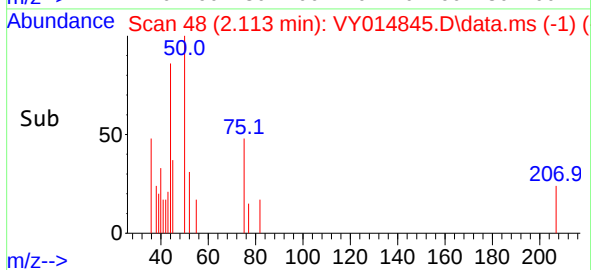
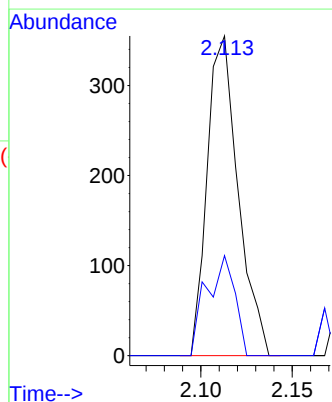
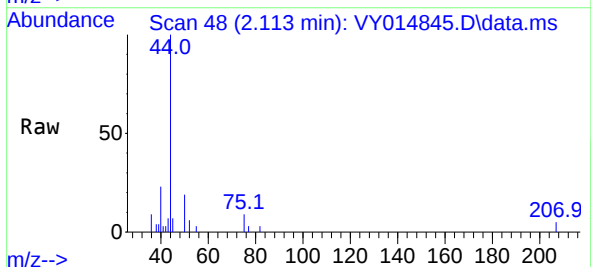


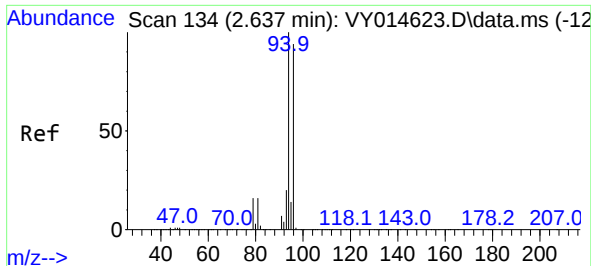
Tgt Ion:168 Resp: 24852
Ion Ratio Lower Upper
168 100
99 48.5 43.4 65.0



#3
Chloromethane
Concen: 1.837 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 31.3 25.4 38.2

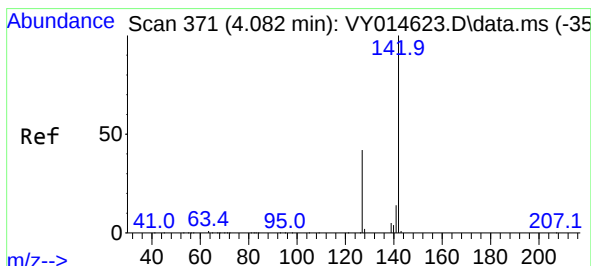
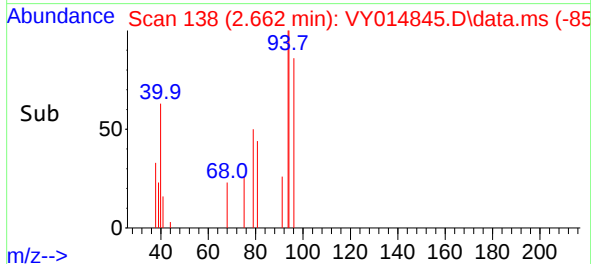
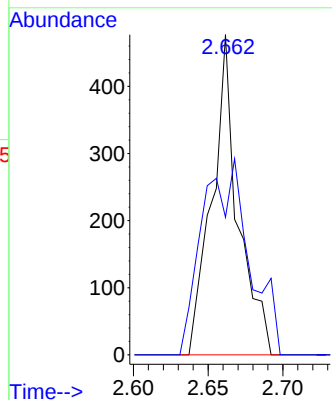
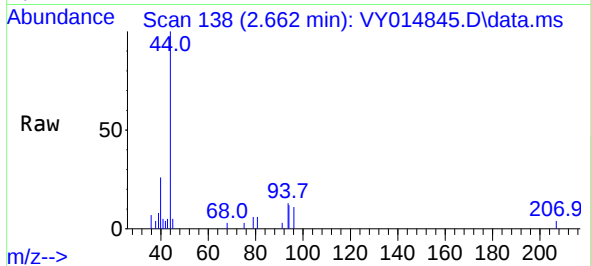




#5
Bromomethane
Concen: 3.427 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

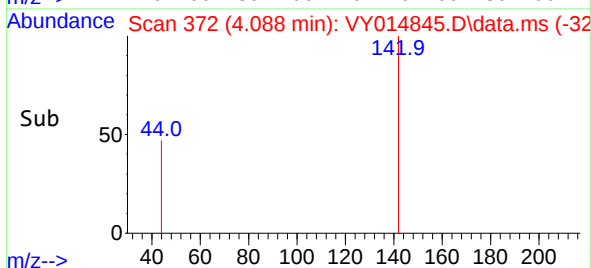
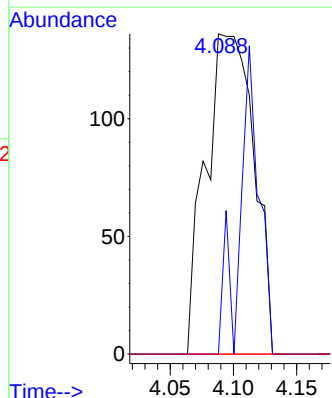
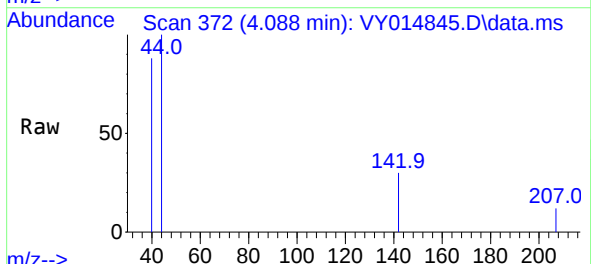
Instrument :
MSVOA_Y
ClientSampleId :

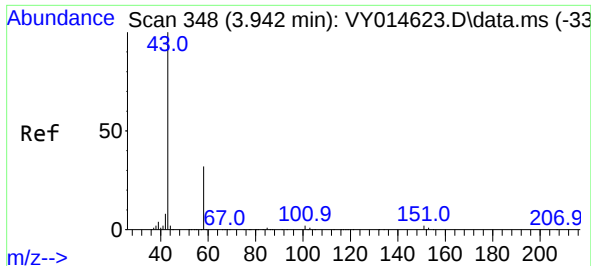
Tgt Ion: 94 Resp: 576
Ion Ratio Lower Upper
94 100
96 43.0 75.8 113.6#



#10
Methyl Iodide
Concen: 3.612 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

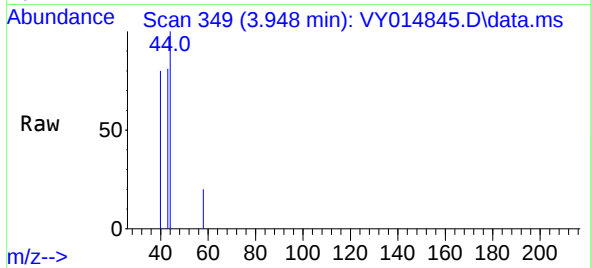
Tgt Ion: 142 Resp: 362
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



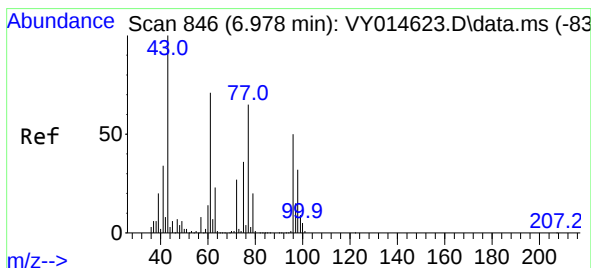
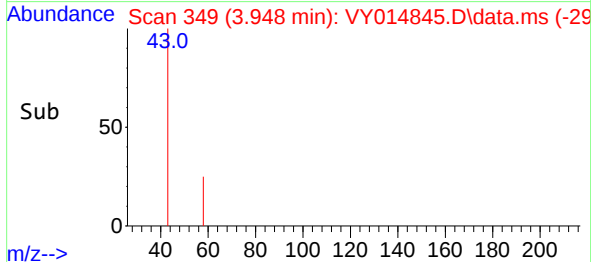
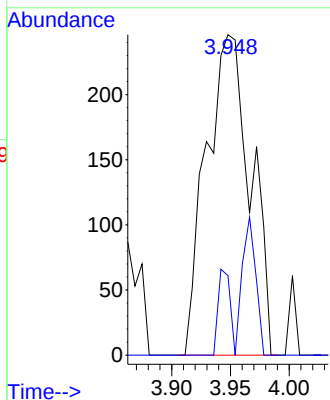


#16
Acetone
Concen: 7.198 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

Instrument :
MSVOA_Y
ClientSampleId :

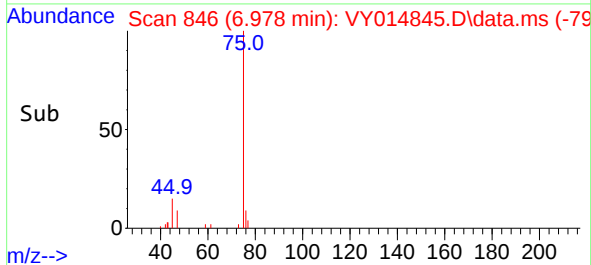
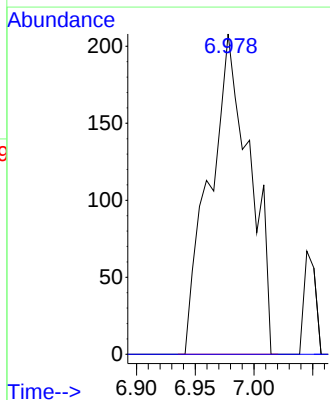
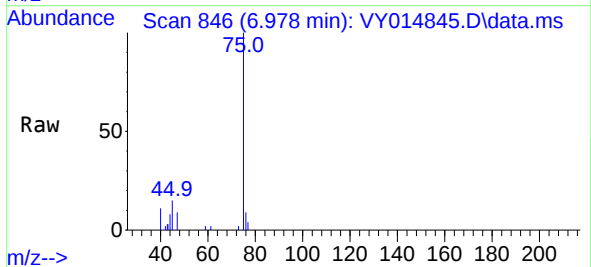


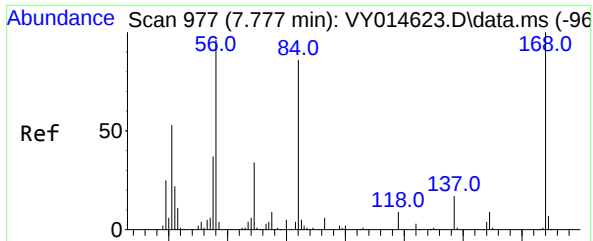
Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
58 24.8 22.7 34.1



#25
2-Butanone
Concen: 3.785 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

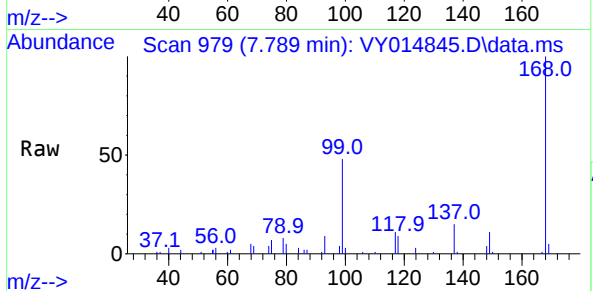
Tgt Ion: 43 Resp: 497
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



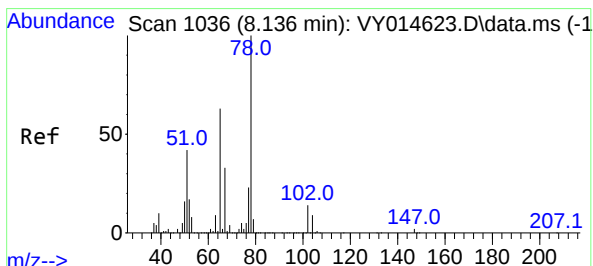
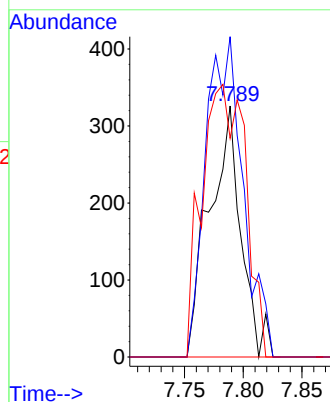
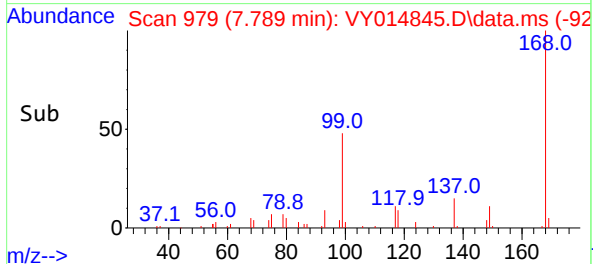


#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

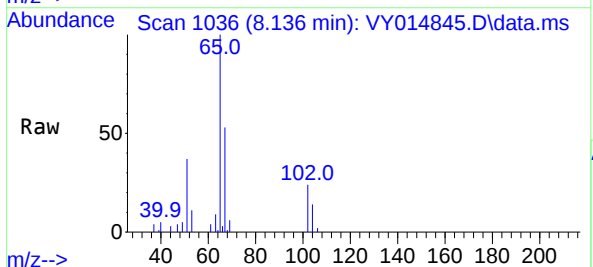
Instrument :
MSVOA_Y
ClientSampleId :



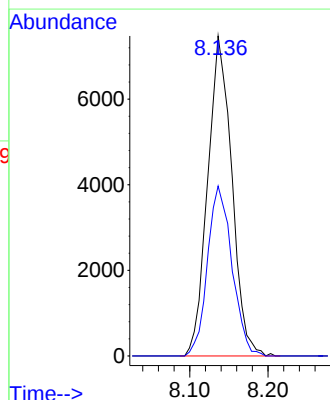
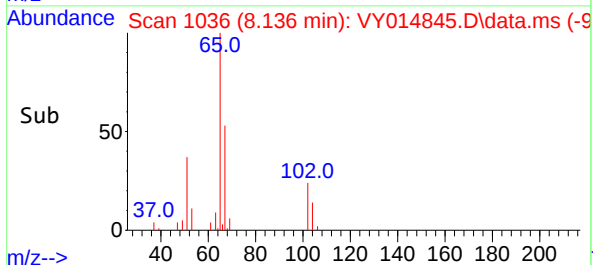
Tgt Ion: 56 Resp: 612
Ion Ratio Lower Upper
56 100
69 127.6 27.8 41.6#
84 87.1 66.4 99.6

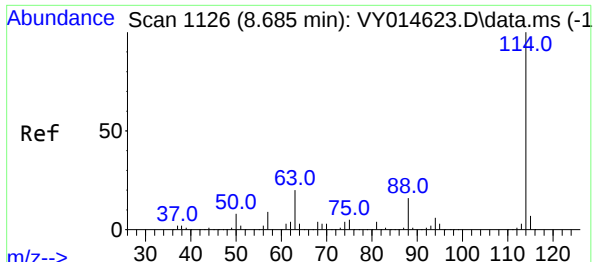


#33
1,2-Dichloroethane-d4
Concen: 56.459 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32



Tgt Ion: 65 Resp: 15989
Ion Ratio Lower Upper
65 100
67 53.9 0.0 101.8

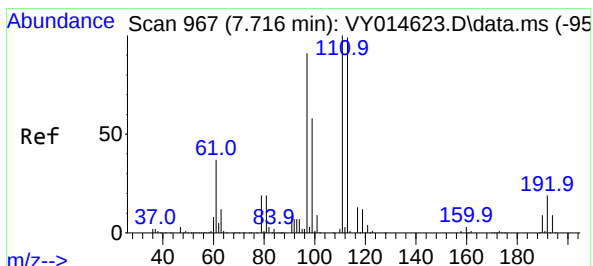
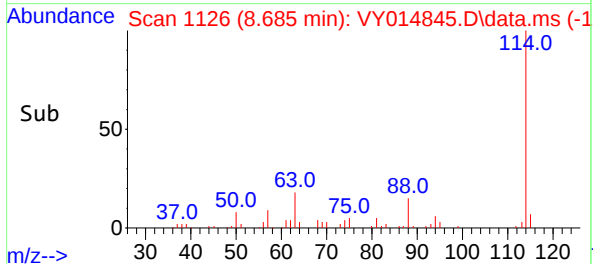
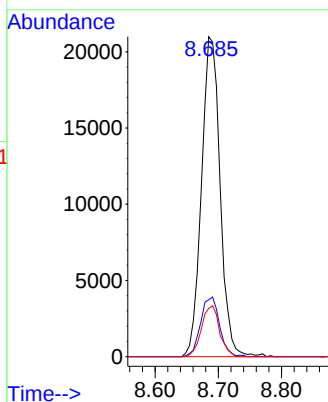
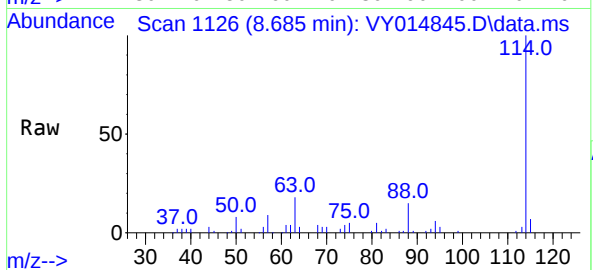




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

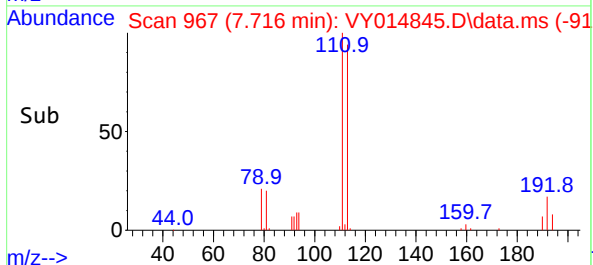
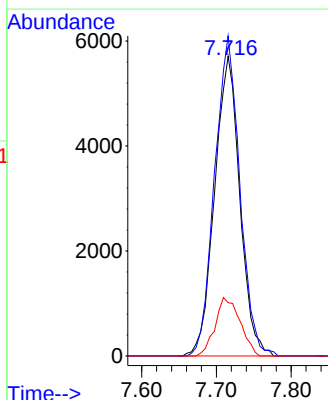
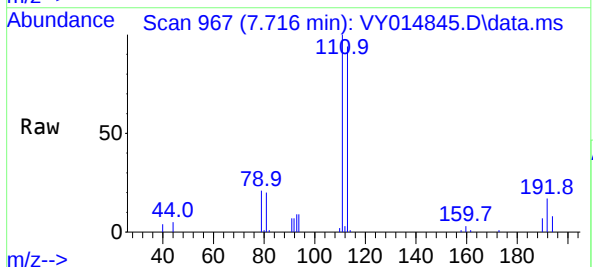
Instrument :
MSVOA_Y
ClientSampleId :

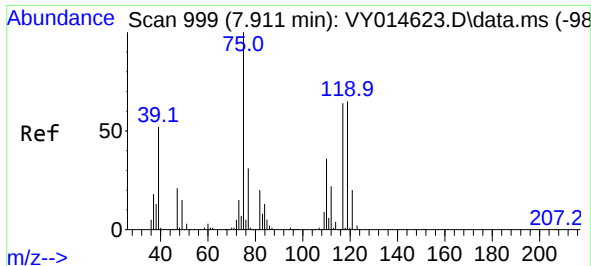
Tgt Ion:114	Resp:	43038
Ion Ratio	Lower	Upper
114	100	
63	17.8	0.0 42.4
88	15.1	0.0 30.6



#35
Dibromofluoromethane
Concen: 48.845 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

Tgt Ion:113	Resp:	13382
Ion Ratio	Lower	Upper
113	100	
111	106.7	81.3 121.9
192	19.3	16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.201 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

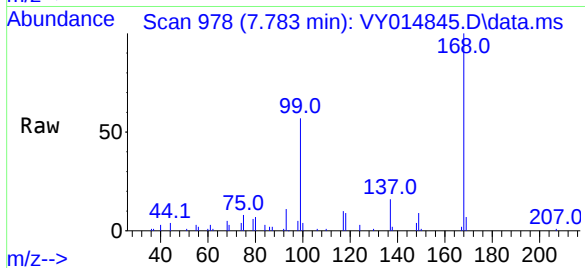
Lab File: VY014845.D

Acq: 26 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :



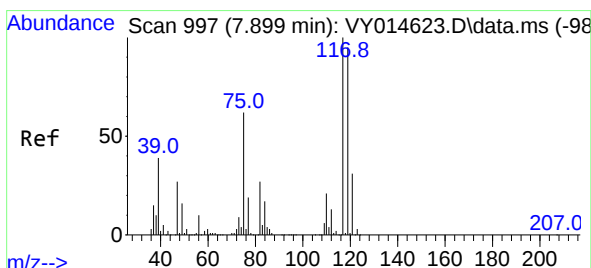
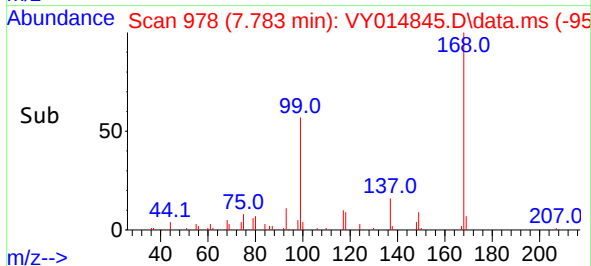
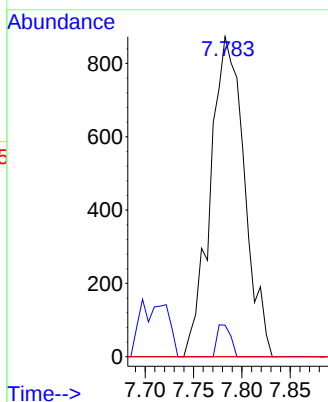
Tgt Ion: 75 Resp: 2131

Ion Ratio Lower Upper

75 100

110 3.9 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.109 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014845.D

Acq: 26 Jul 2023 13:32

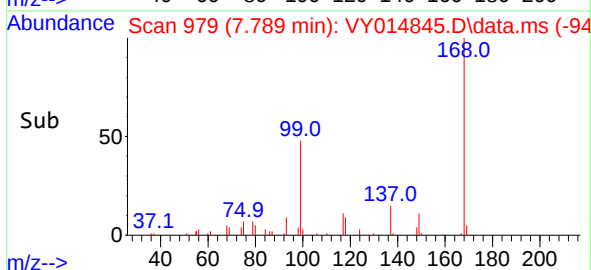
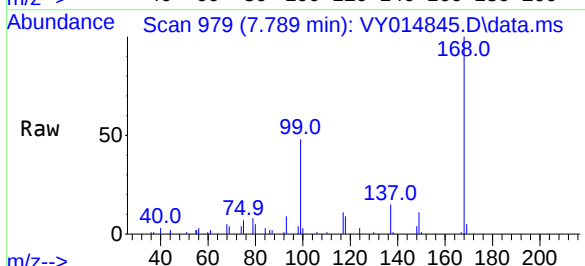
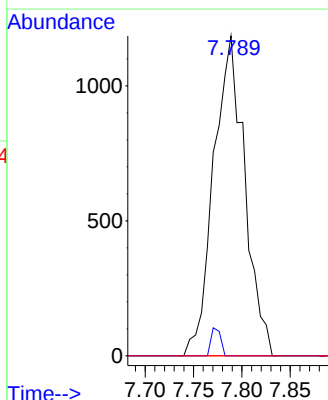
Tgt Ion: 117 Resp: 2646

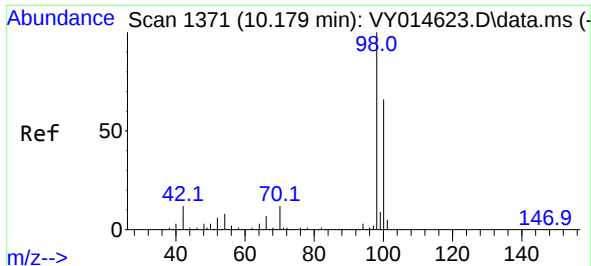
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

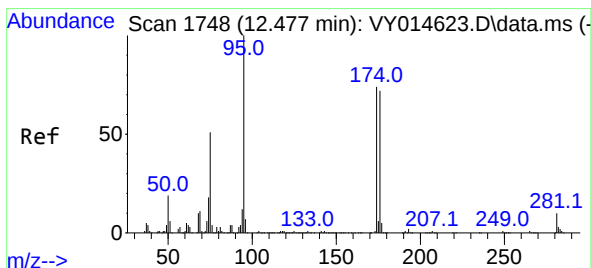
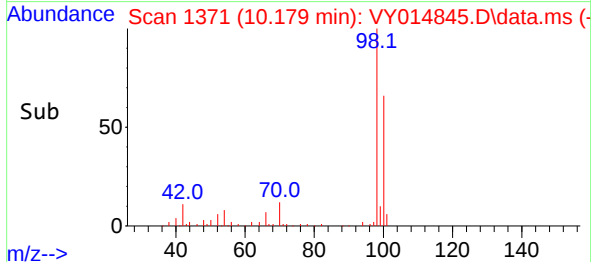
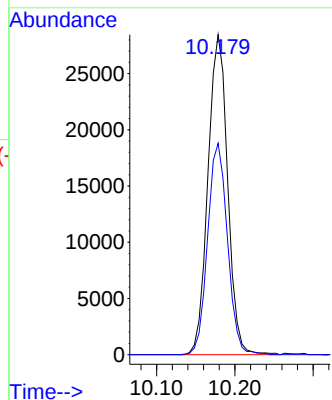
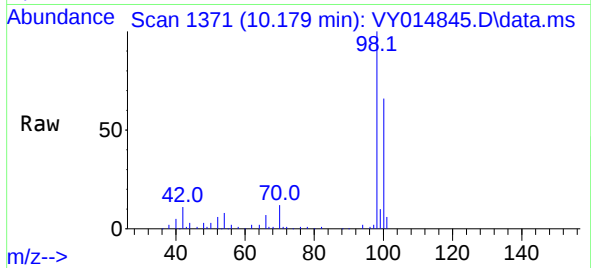




#50
Toluene-d8
Concen: 49.175 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

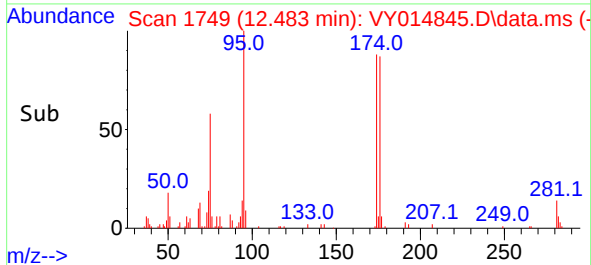
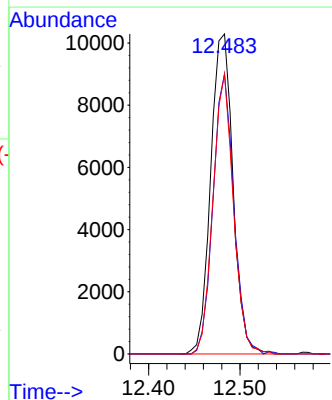
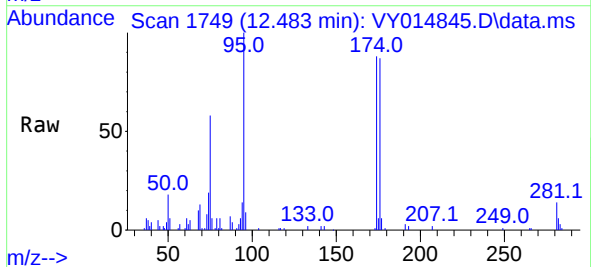
Instrument :
MSVOA_Y
ClientSampleId :

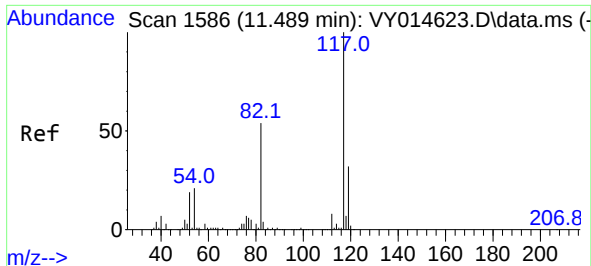
Tgt Ion: 98 Resp: 49670
Ion Ratio Lower Upper
98 100
100 66.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.952 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

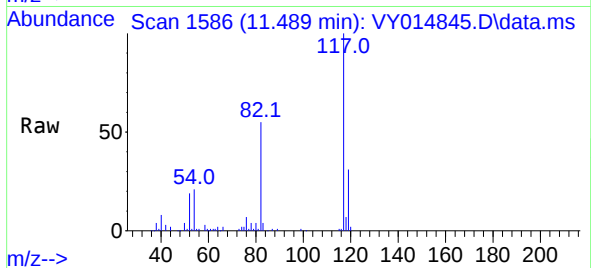
Tgt Ion: 95 Resp: 17410
Ion Ratio Lower Upper
95 100
174 81.6 0.0 178.2
176 80.3 0.0 173.8



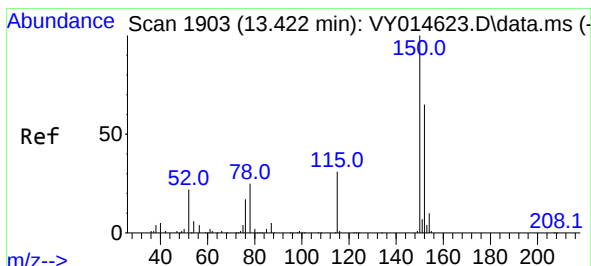
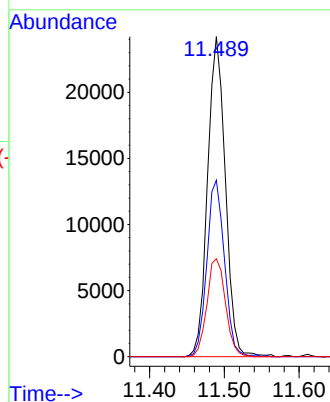
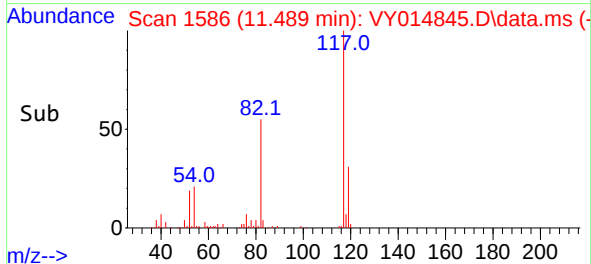


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

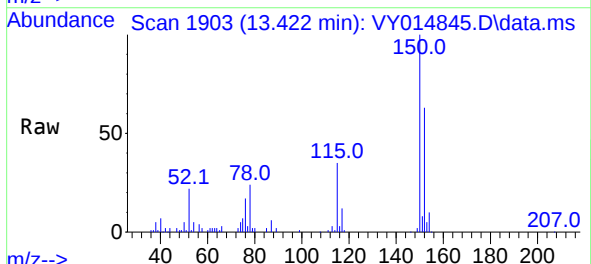
Instrument :
MSVOA_Y
ClientSampleId :



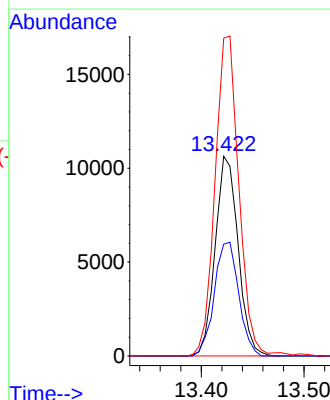
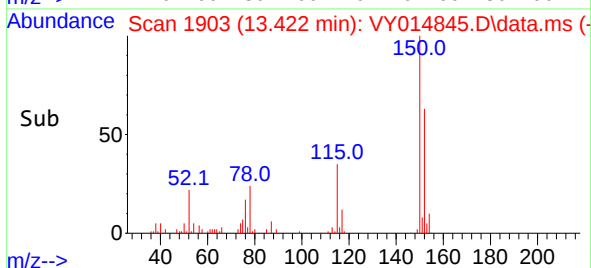
Tgt Ion:117 Resp: 39976
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 30.6 26.3 39.5

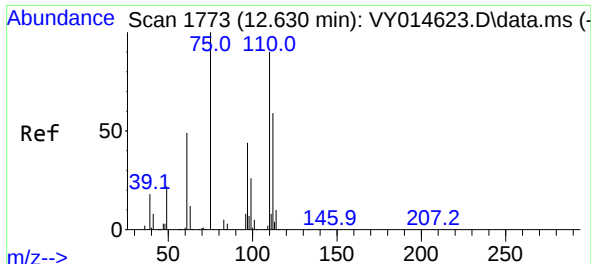


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32



Tgt Ion:152 Resp: 16495
Ion Ratio Lower Upper
152 100
115 60.5 28.8 86.5
150 166.3 0.0 348.8

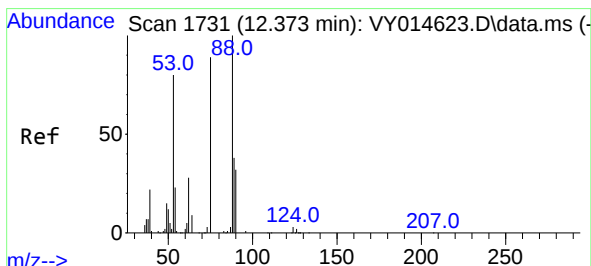
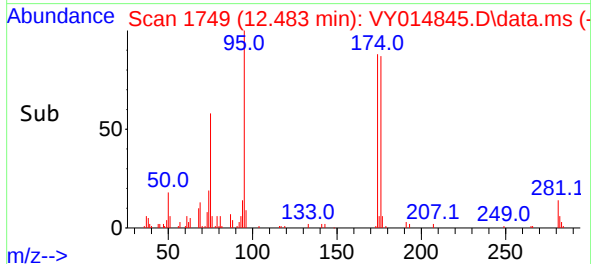
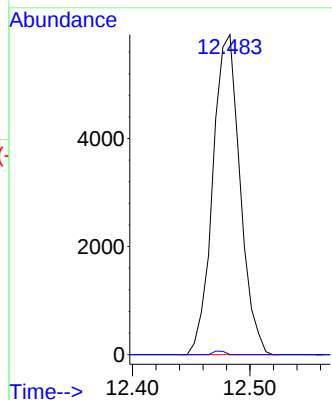
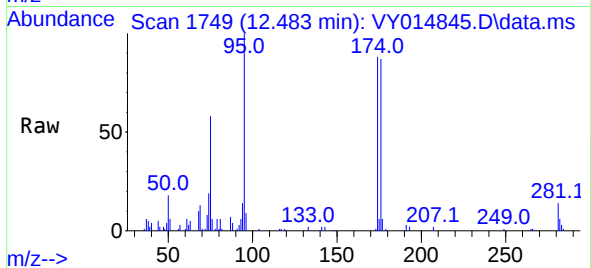




#76
1,2,3-Trichloropropane
Concen: 45.885 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

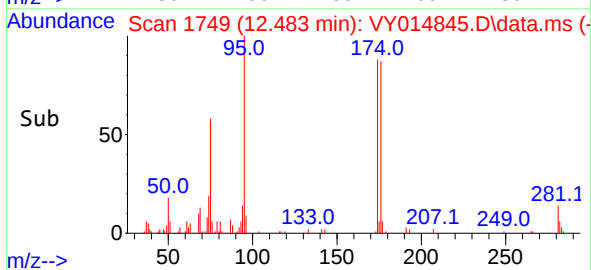
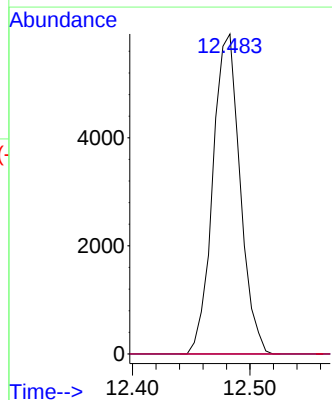
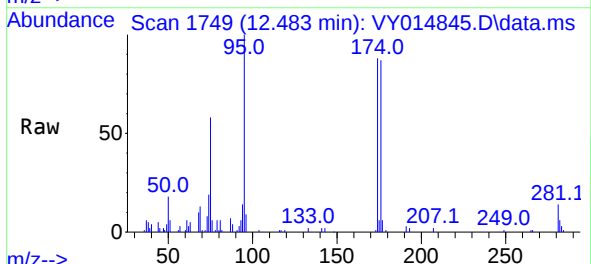
Instrument :
MSVOA_Y
ClientSampleId :

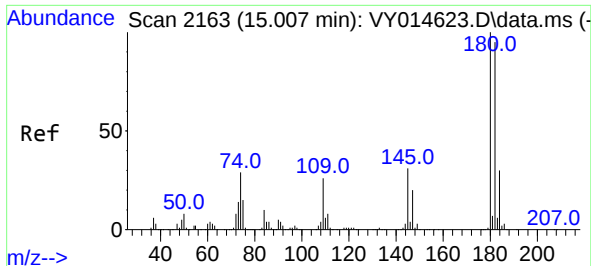
Tgt Ion: 75 Resp: 9559
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.841 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

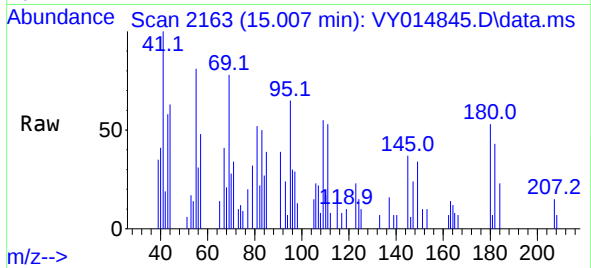
Tgt Ion: 75 Resp: 9559
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



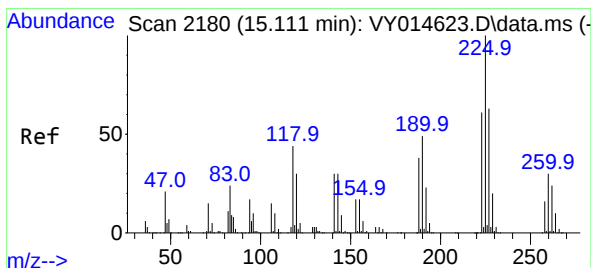
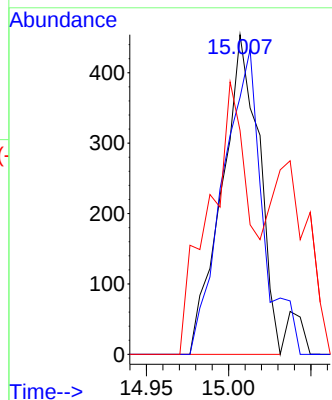
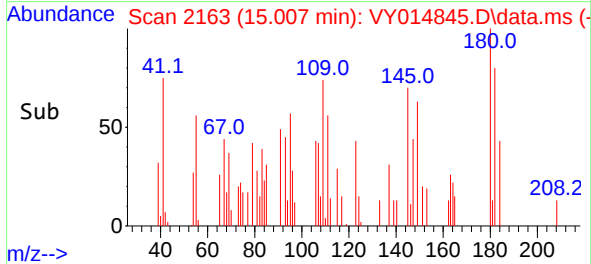


#93
 1,2,4-Trichlorobenzene
 Concen: 2.131 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. -0.000 min
 Lab File: VY014845.D
 Acq: 26 Jul 2023 13:32

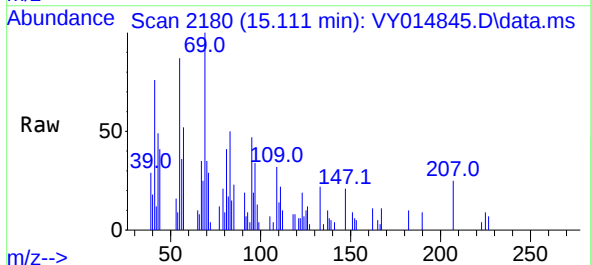
Instrument :
 MSVOA_Y
 ClientSampleId :



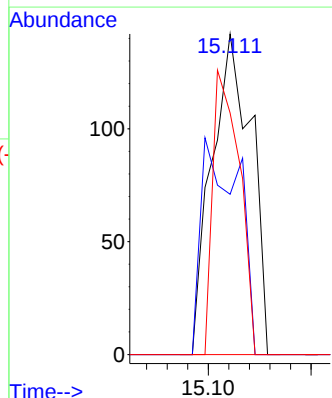
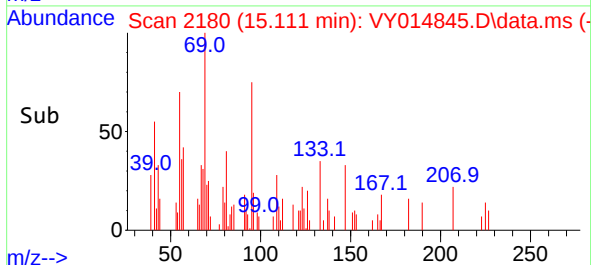
Tgt Ion:180 Resp: 711
 Ion Ratio Lower Upper
 180 100
 182 102.4 47.0 141.2
 145 92.1 14.5 43.5#

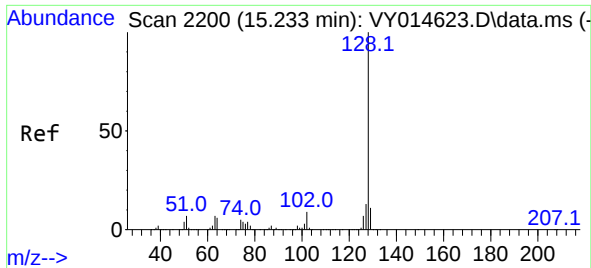


#94
 Hexachlorobutadiene
 Concen: 1.031 ug/l
 RT: 15.111 min Scan# 2180
 Delta R.T. -0.000 min
 Lab File: VY014845.D
 Acq: 26 Jul 2023 13:32



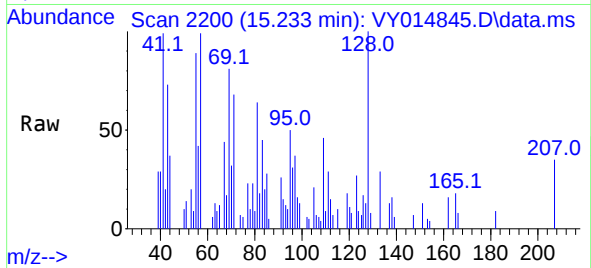
Tgt Ion:225 Resp: 189
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.9
 227 60.3 33.0 98.9





#95
Naphthalene
Concen: 3.338 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY014845.D
Acq: 26 Jul 2023 13:32

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	2595
Ion	Ratio	Lower	Upper
128	100		
127	24.7	10.8	16.2#
129	10.6	8.6	13.0

