

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014768.D
 Acq On : 24 Jul 2023 13:32
 Operator : SY/MD
 Sample : 03706-08
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P21B

Quant Time: Jul 24 14:15:43 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)

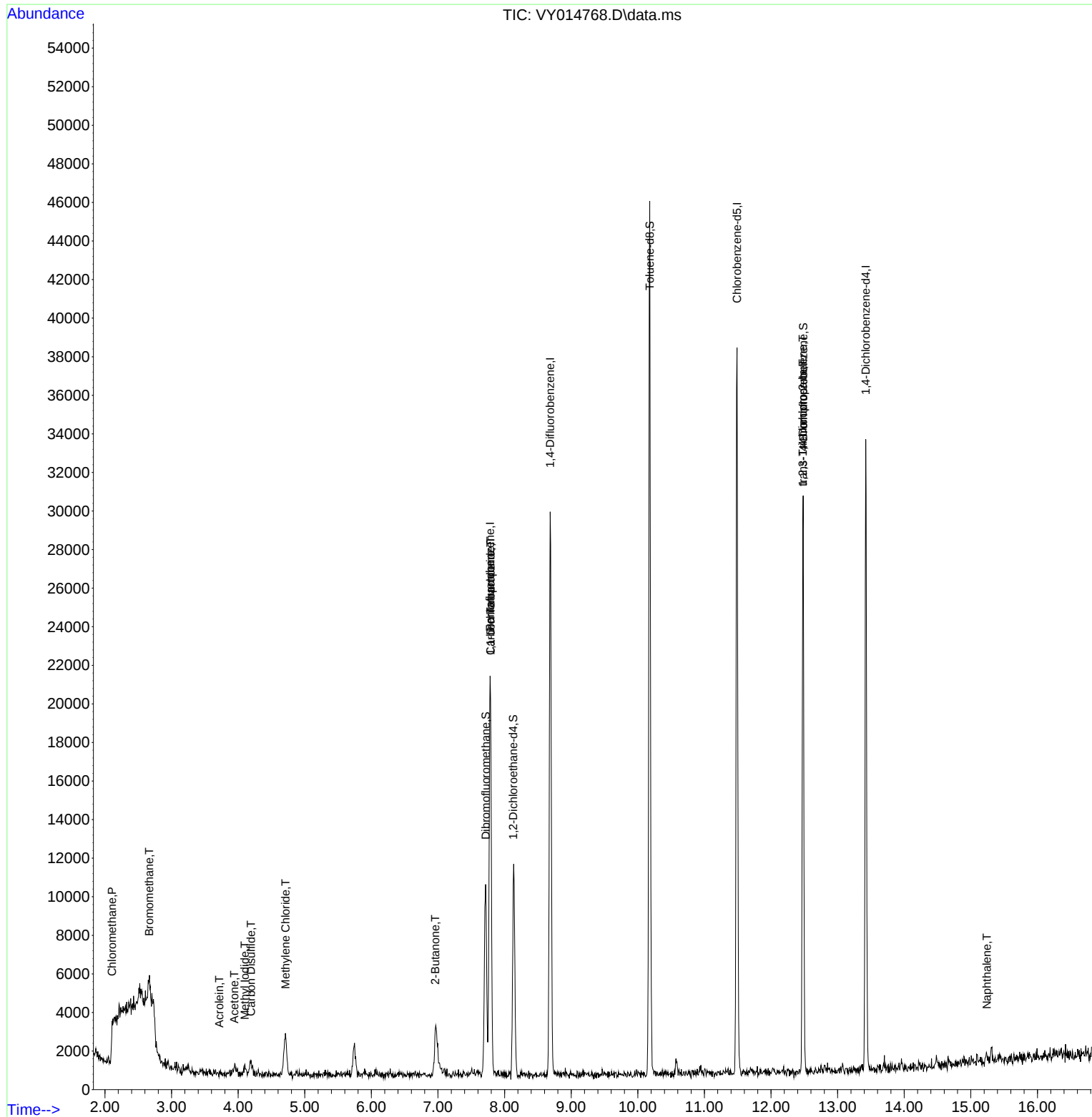
Internal Standards						
1) Pentafluorobenzene	7.783	168	16779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	26443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	21271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	8547	44.701	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.400%
35) Dibromofluoromethane	7.716	113	7410	44.021	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.040%
50) Toluene-d8	10.179	98	29914	48.202	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.483	95	9463	39.767	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.540%
Target Compounds						Qvalue
3) Chloromethane	2.107	50	575	3.742	ug/l	99
5) Bromomethane	2.662	94	647	5.701	ug/l	99
10) Methyl Iodide	4.101	142	496	4.891	ug/l #	72
11) Tert butyl alcohol	4.924	59	26	Below Cal	#	89
13) Acrolein	3.716	56	23	1.151	ug/l #	14
16) Acetone	3.942	43	921	15.201	ug/l #	84
17) Carbon Disulfide	4.192	76	820	1.733	ug/l #	70
20) Methylene Chloride	4.710	84	1488	3.645	ug/l #	86
25) 2-Butanone	6.960	43	103	1.162	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	1433	5.693	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1717	6.452	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	4708	43.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4708	84.327	ug/l #	10
95) Naphthalene	15.239	128	486	1.205	ug/l #	69

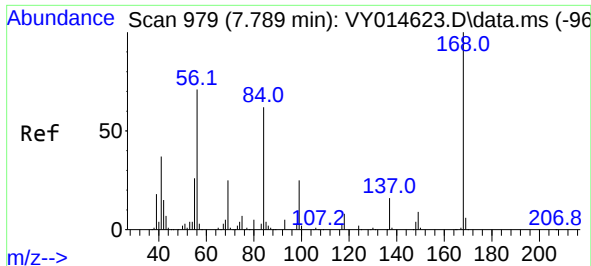
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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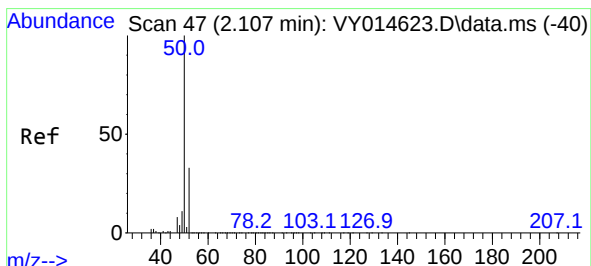
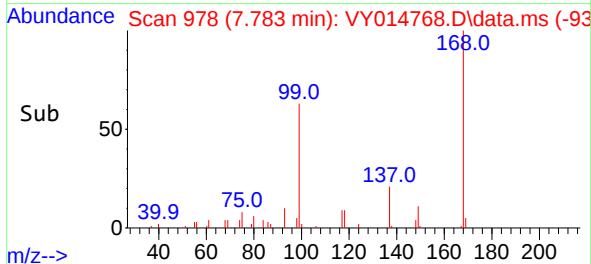
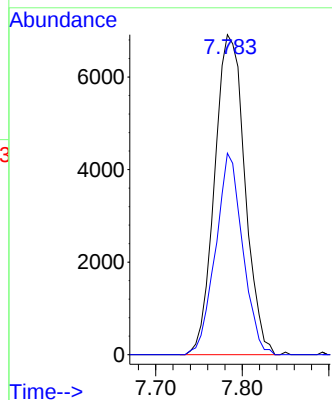
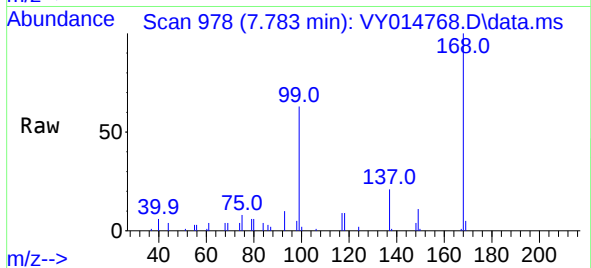




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

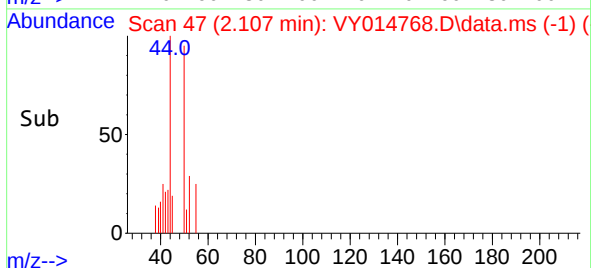
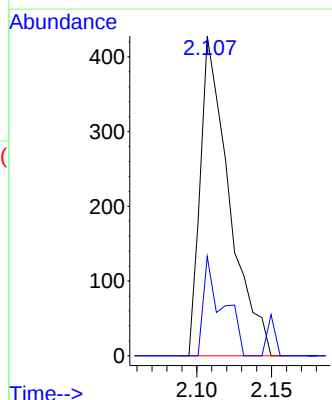
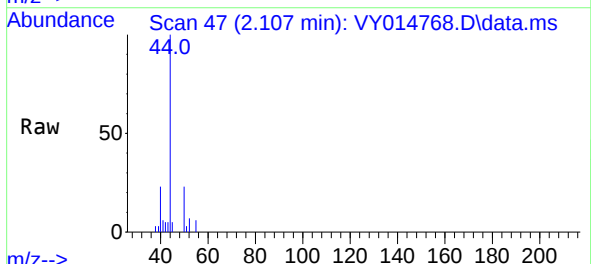
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

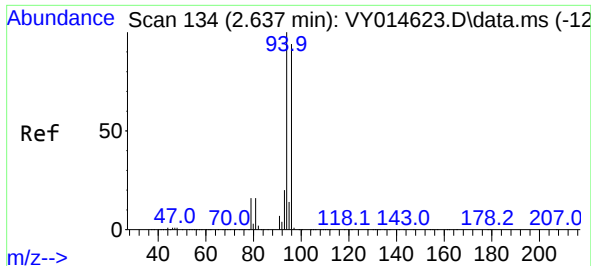
Tgt Ion:168 Resp: 16779
Ion Ratio Lower Upper
168 100
99 62.9 43.4 65.0



#3
Chloromethane
Concen: 3.742 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Tgt Ion: 50 Resp: 575
Ion Ratio Lower Upper
50 100
52 31.1 25.4 38.2

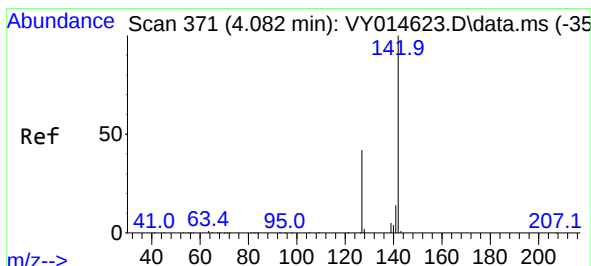
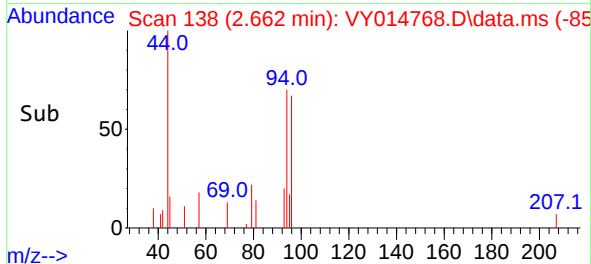
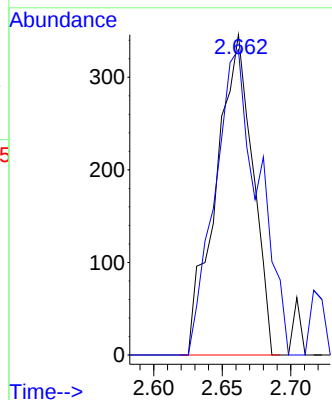
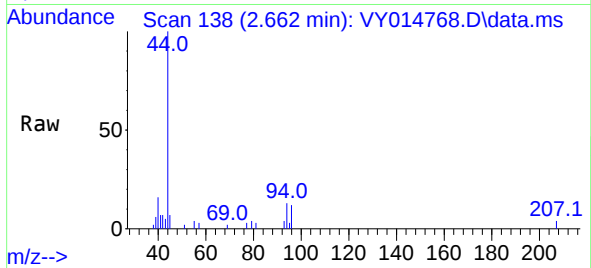




#5
Bromomethane
Concen: 5.701 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

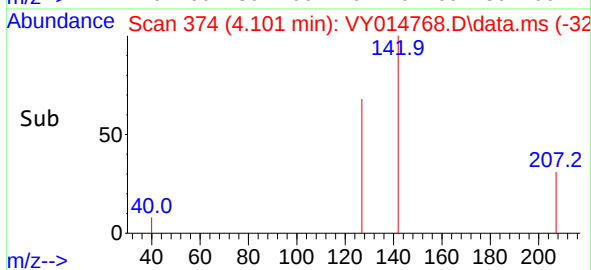
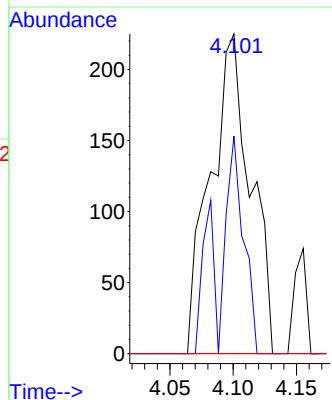
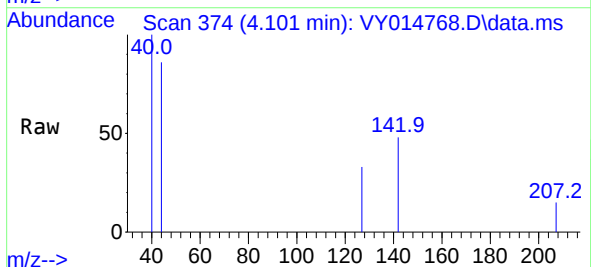
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

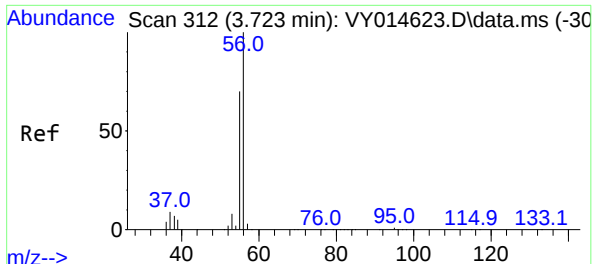
Tgt Ion: 94 Resp: 647
Ion Ratio Lower Upper
94 100
96 95.4 75.8 113.6



#10
Methyl Iodide
Concen: 4.891 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Tgt Ion:142 Resp: 496
Ion Ratio Lower Upper
142 100
127 29.6 37.6 56.4#
141 0.0 11.8 17.8#

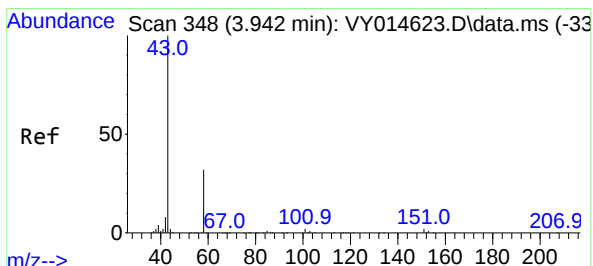
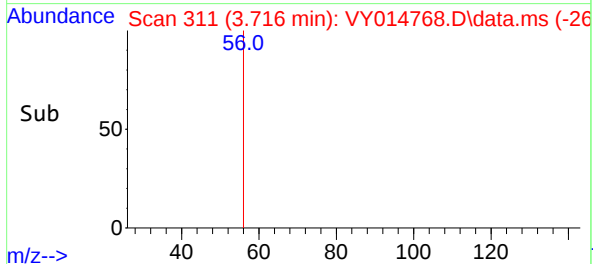
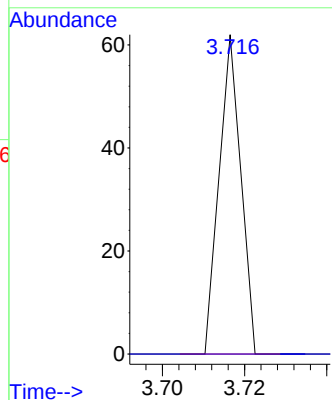
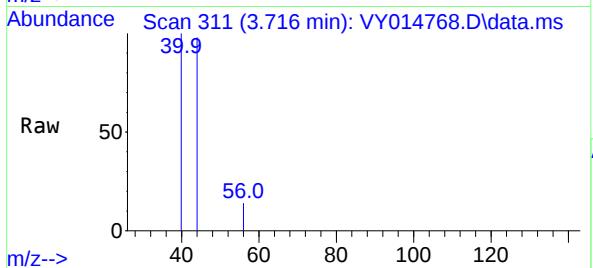




#13
Acrolein
Concen: 1.151 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

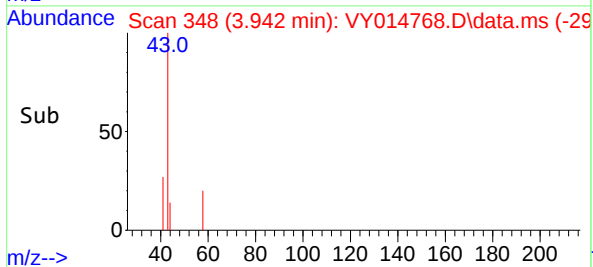
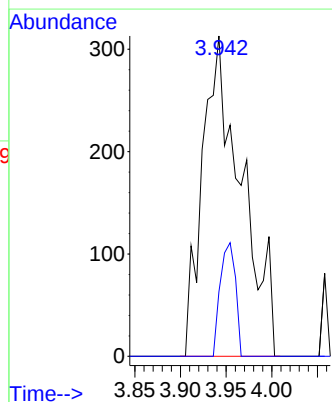
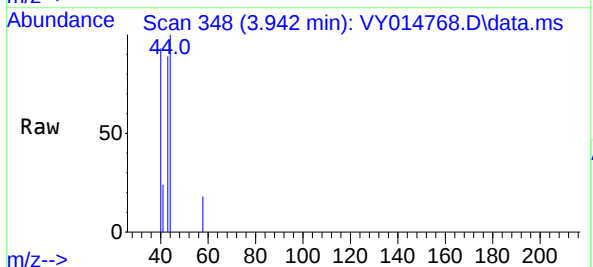
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

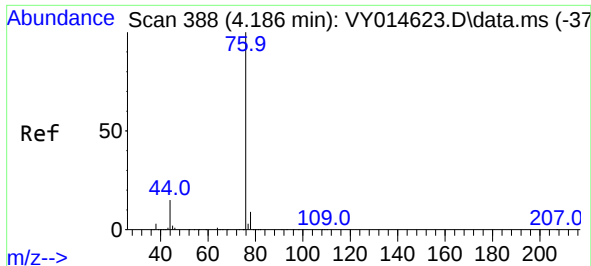
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 15.201 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 20.1 22.7 34.1#

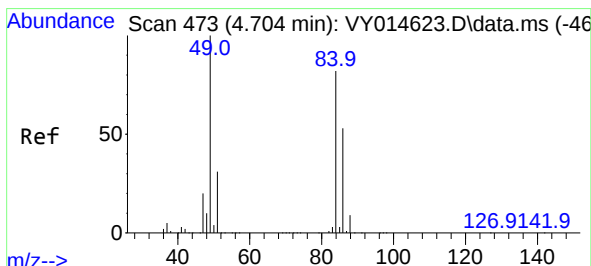
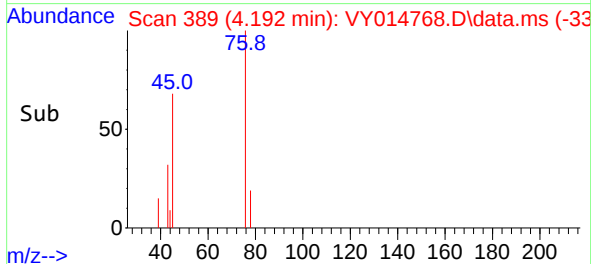
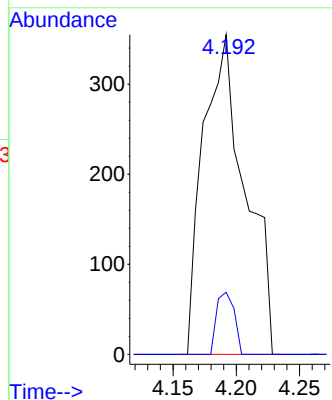
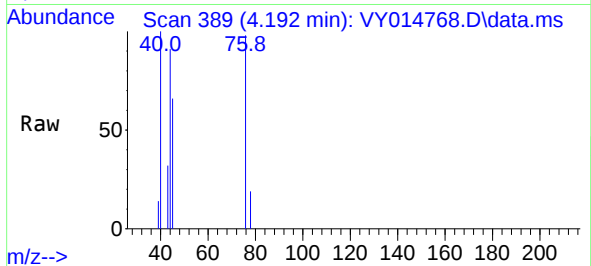




#17
Carbon Disulfide
Concen: 1.733 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

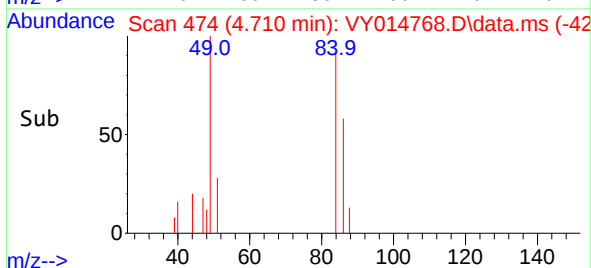
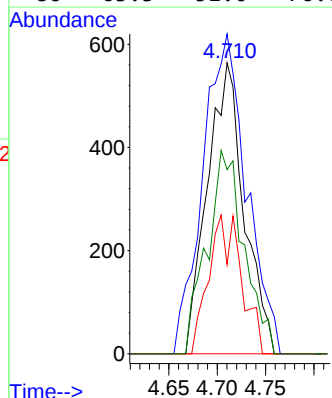
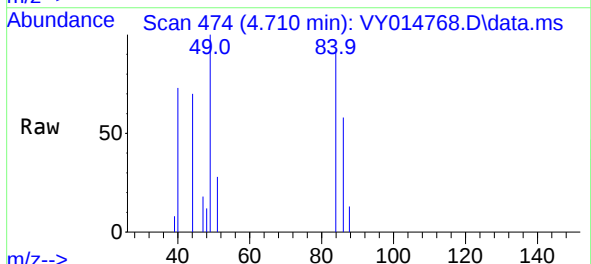
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

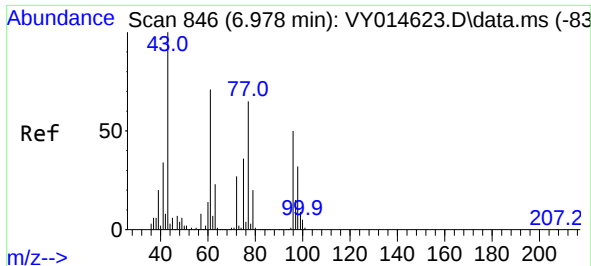
Tgt Ion: 76 Resp: 820
Ion Ratio Lower Upper
76 100
78 19.4 7.0 10.4#



#20
Methylene Chloride
Concen: 3.645 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Tgt Ion: 84 Resp: 1488
Ion Ratio Lower Upper
84 100
49 109.9 106.9 160.3
51 30.7 33.2 49.8#
86 63.3 51.0 76.6





#25

2-Butanone

Concen: 1.162 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY014768.D

Acq: 24 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

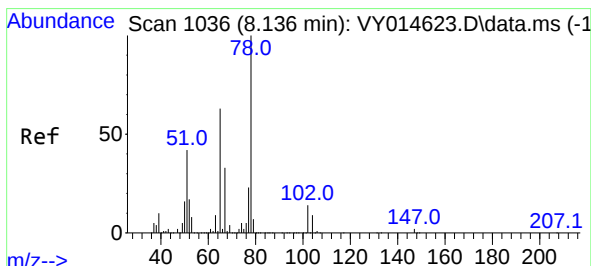
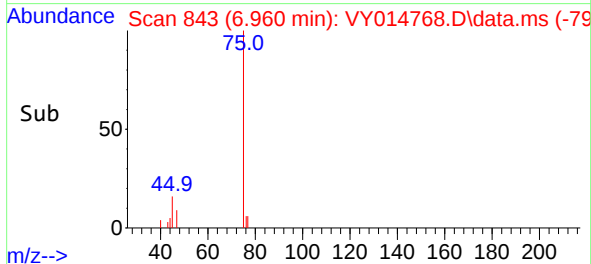
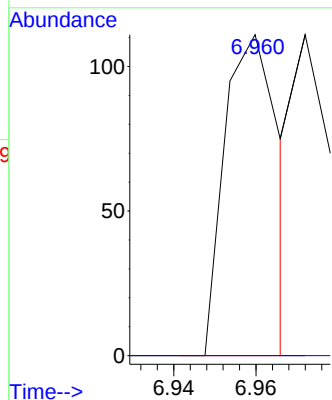
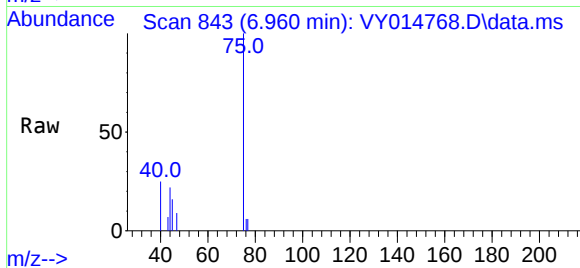
B-P21B

Tgt Ion: 43 Resp: 103

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 44.701 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VY014768.D

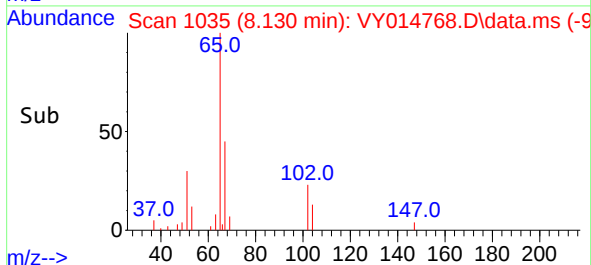
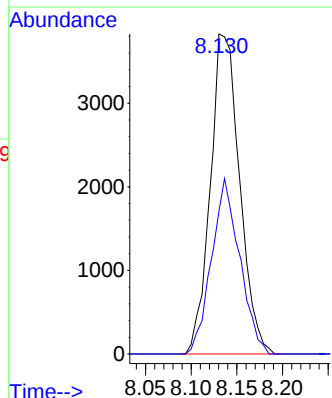
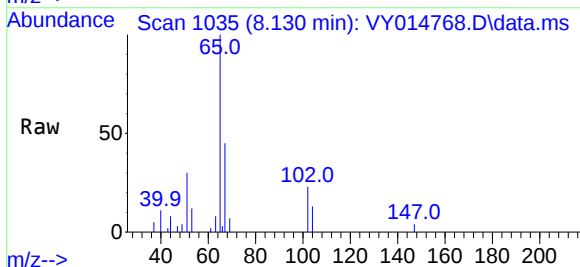
Acq: 24 Jul 2023 13:32

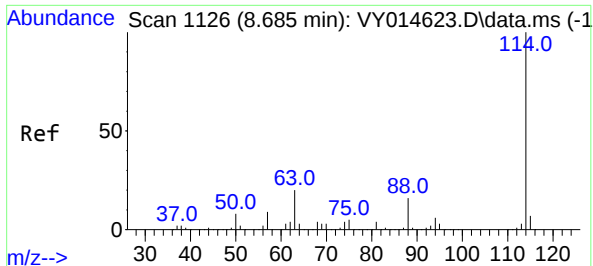
Tgt Ion: 65 Resp: 8547

Ion Ratio Lower Upper

65 100

67 52.6 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: VY014768.D

Acq: 24 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

B-P21B

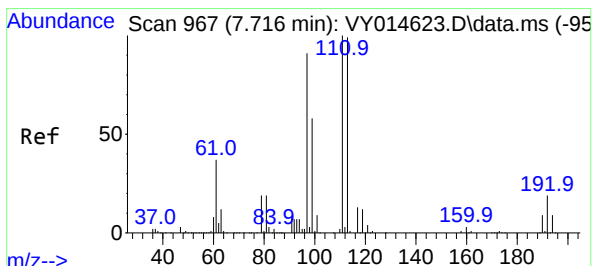
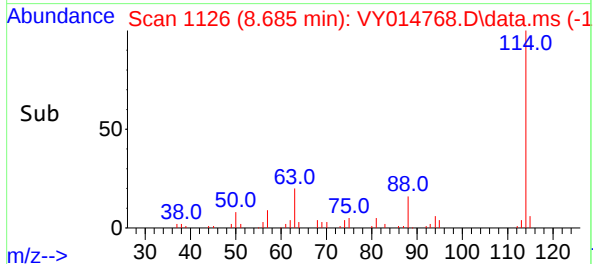
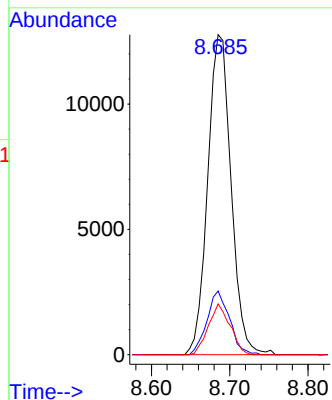
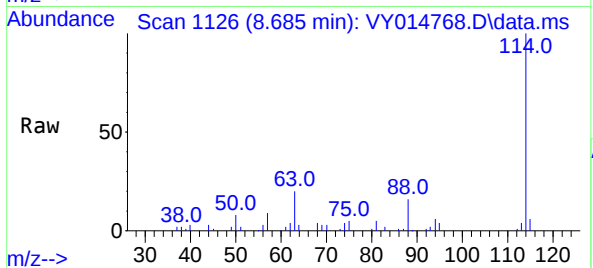
Tgt Ion:114 Resp: 26443

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.021 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014768.D

Acq: 24 Jul 2023 13:32

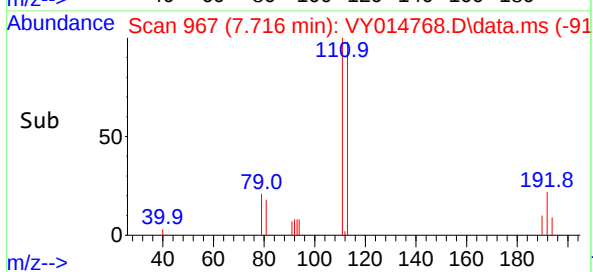
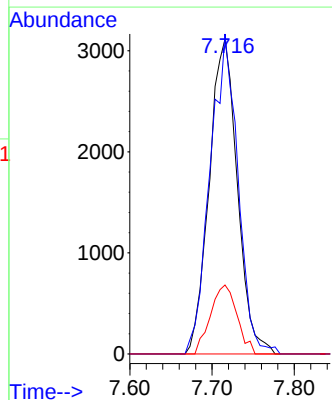
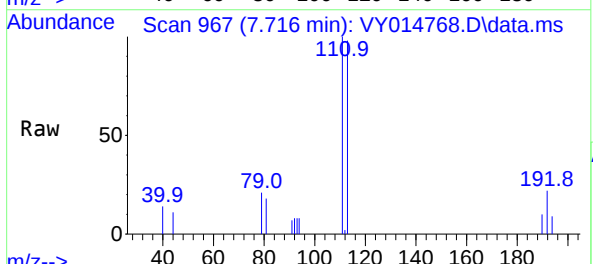
Tgt Ion:113 Resp: 7410

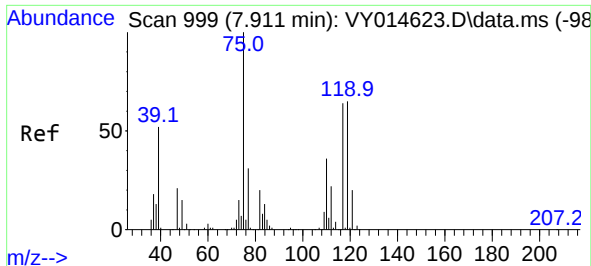
Ion Ratio Lower Upper

113 100

111 100.5 81.3 121.9

192 20.6 16.9 25.3

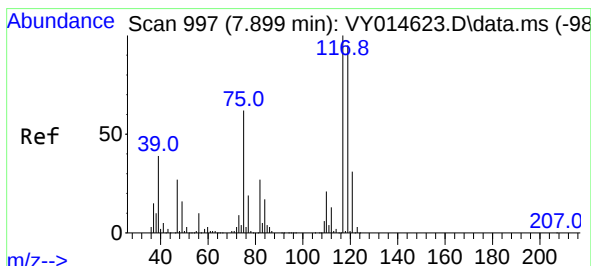
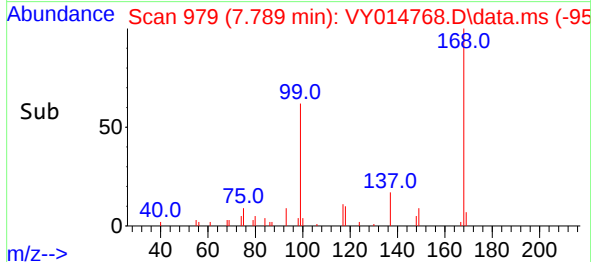
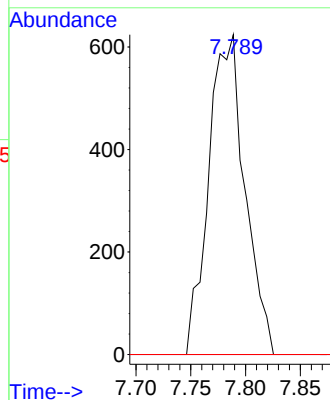
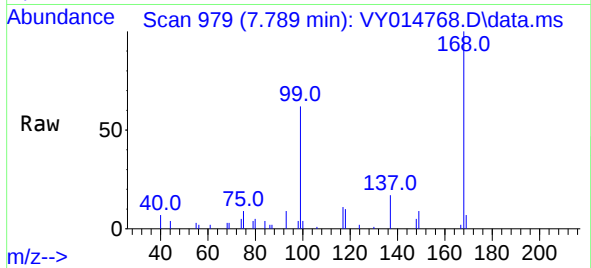




#36
1,1-Dichloropropene
Concen: 5.693 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

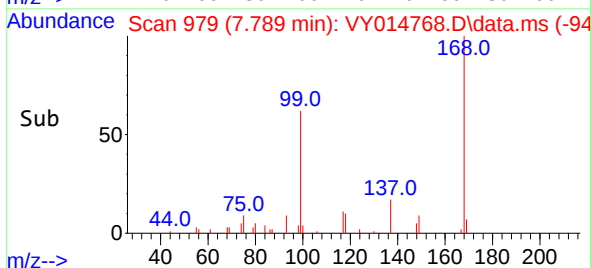
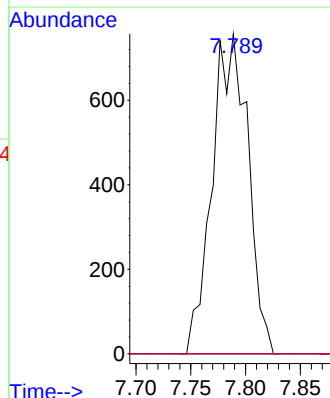
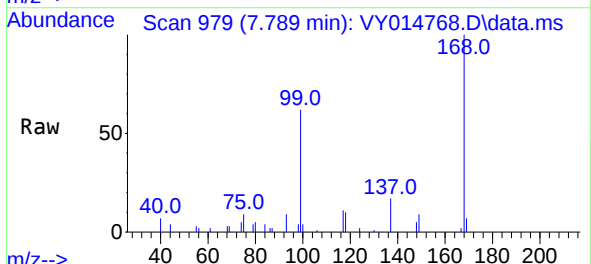
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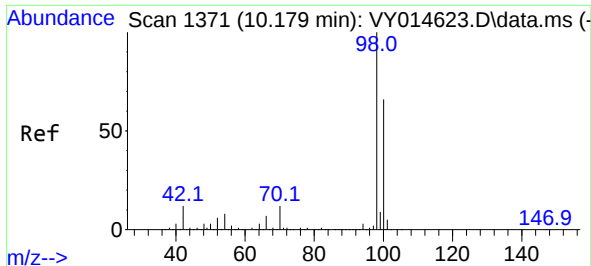
Tgt Ion: 75 Resp: 1433
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.452 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Tgt Ion: 117 Resp: 1717
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

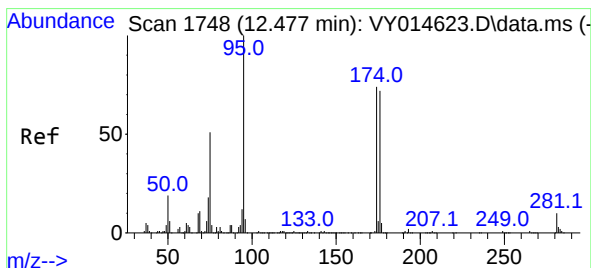
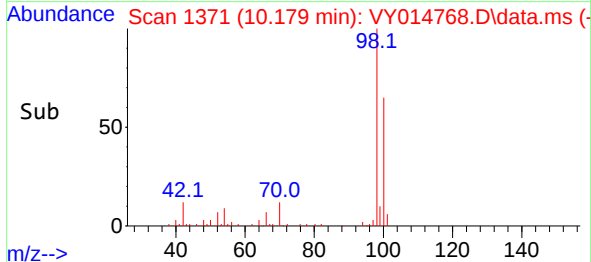
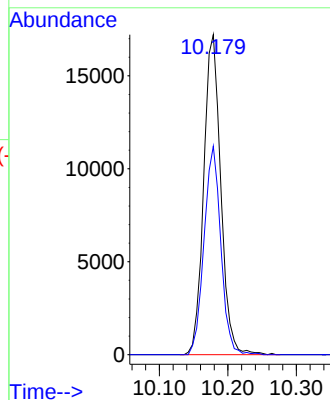
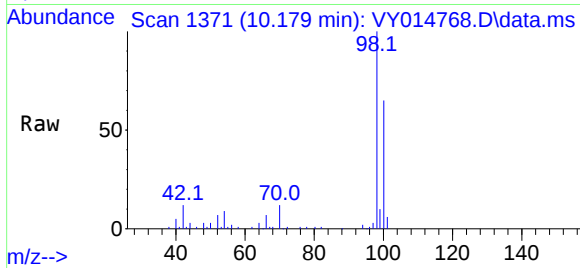




#50
Toluene-d8
Concen: 48.202 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

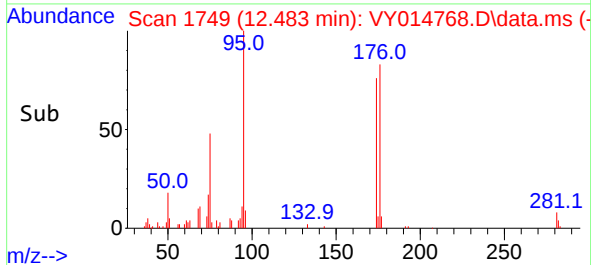
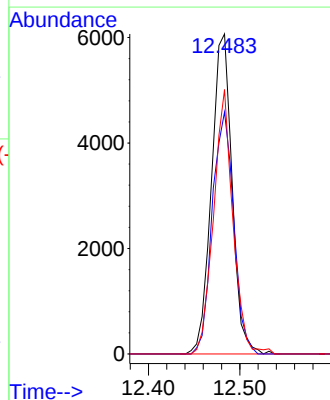
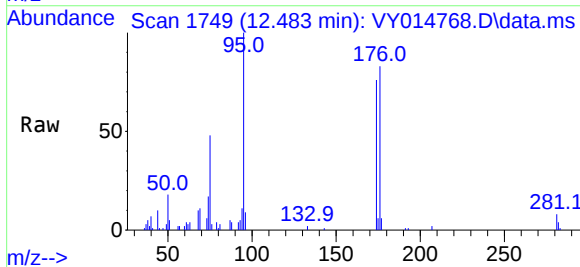
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

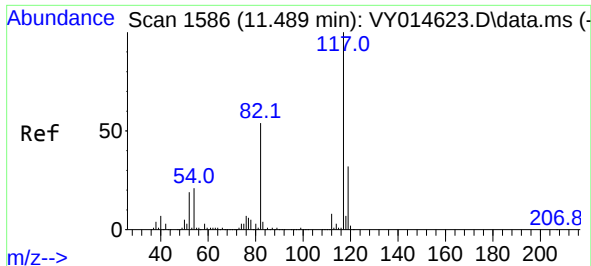
Tgt Ion: 98 Resp: 29914
Ion Ratio Lower Upper
98 100
100 63.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.767 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Tgt Ion: 95 Resp: 9463
Ion Ratio Lower Upper
95 100
174 78.7 0.0 178.2
176 78.1 0.0 173.8

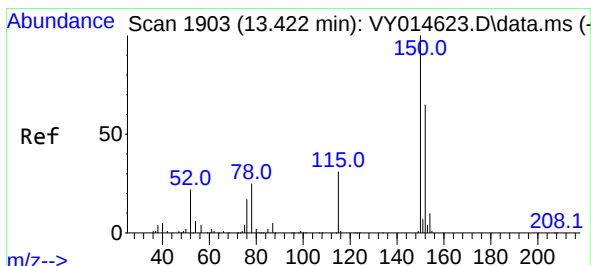
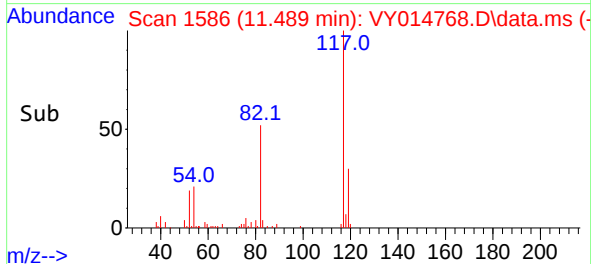
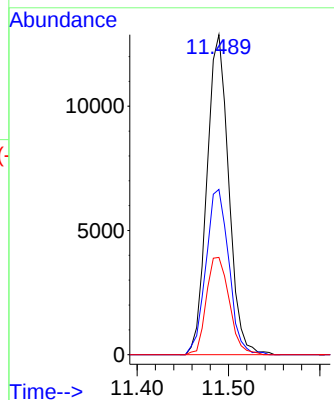
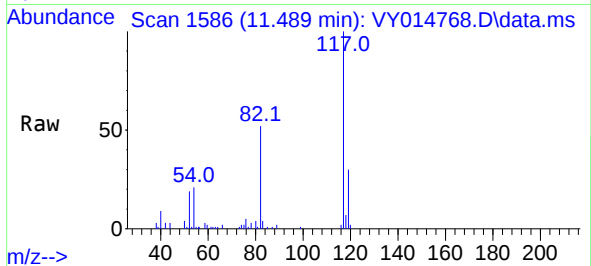




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

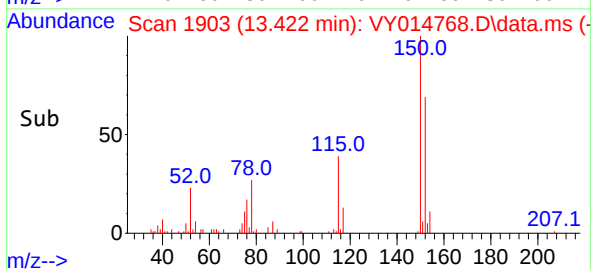
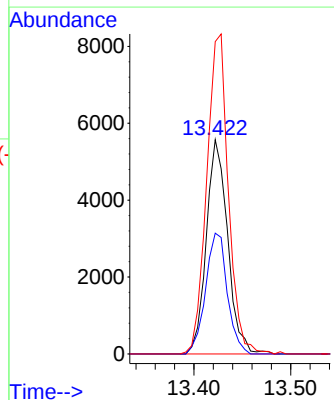
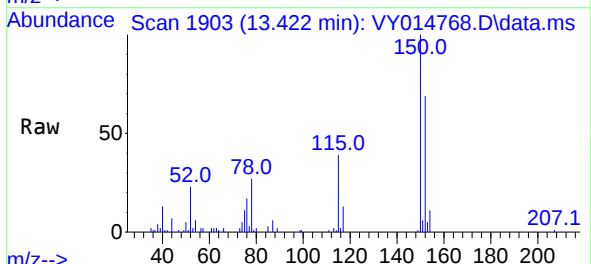
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

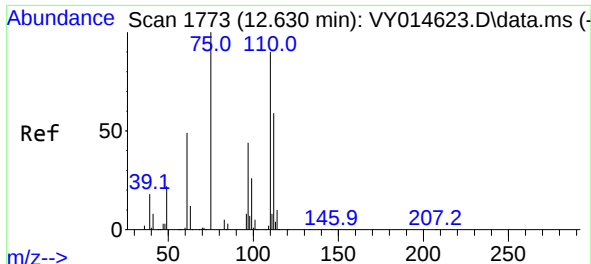
Tgt Ion:117	Resp:	21271
Ion Ratio	Lower	Upper
117	100	
82	51.7	43.4 65.0
119	30.4	26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Tgt Ion:152	Resp:	8559
Ion Ratio	Lower	Upper
152	100	
115	57.3	28.8 86.5
150	151.9	0.0 348.8

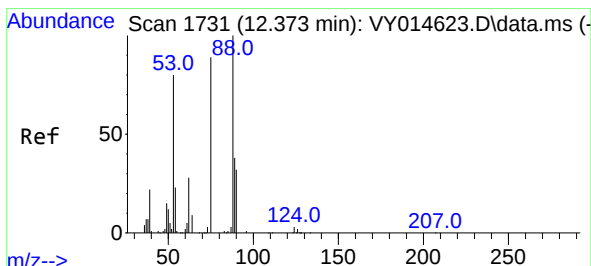
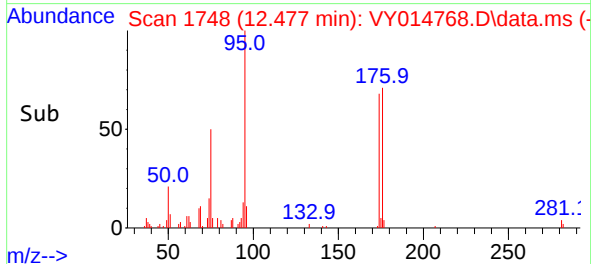
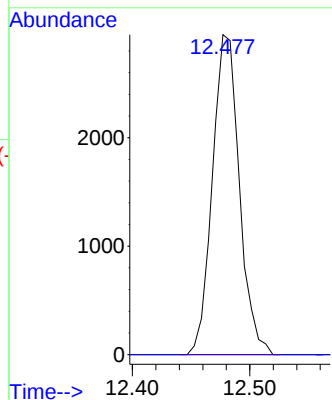
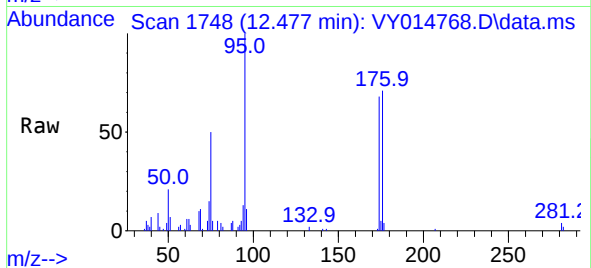




#76
1,2,3-Trichloropropane
Concen: 43.553 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

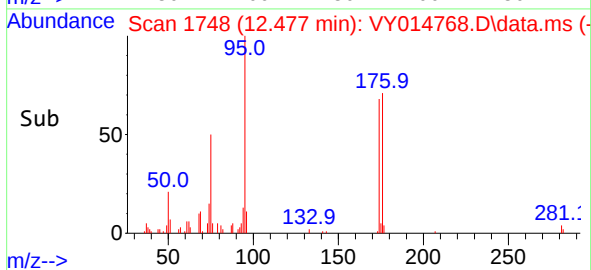
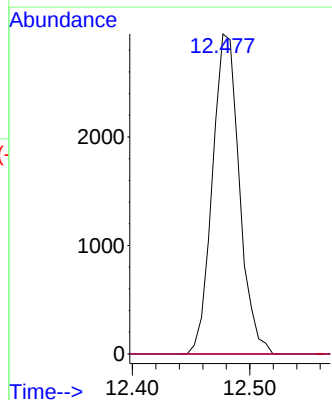
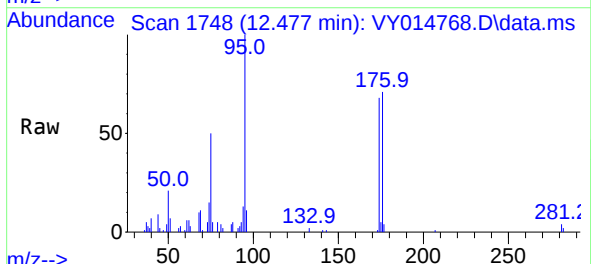
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

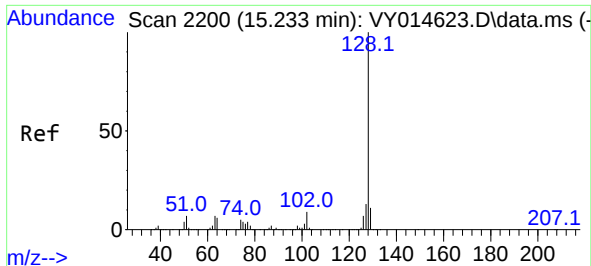
Tgt Ion: 75 Resp: 4708
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 84.327 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

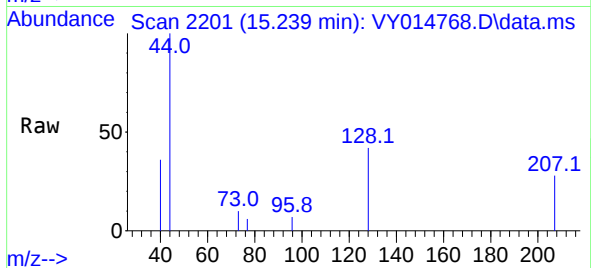
Tgt Ion: 75 Resp: 4708
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.205 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY014768.D
Acq: 24 Jul 2023 13:32

Instrument :
MSVOA_Y
ClientSampleId :
B-P21B



Tgt Ion:128 Resp: 486
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

