

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014854.D
 Acq On : 26 Jul 2023 17:04
 Operator : SY/MD
 Sample : 03741-19
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 26 17:21:05 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)

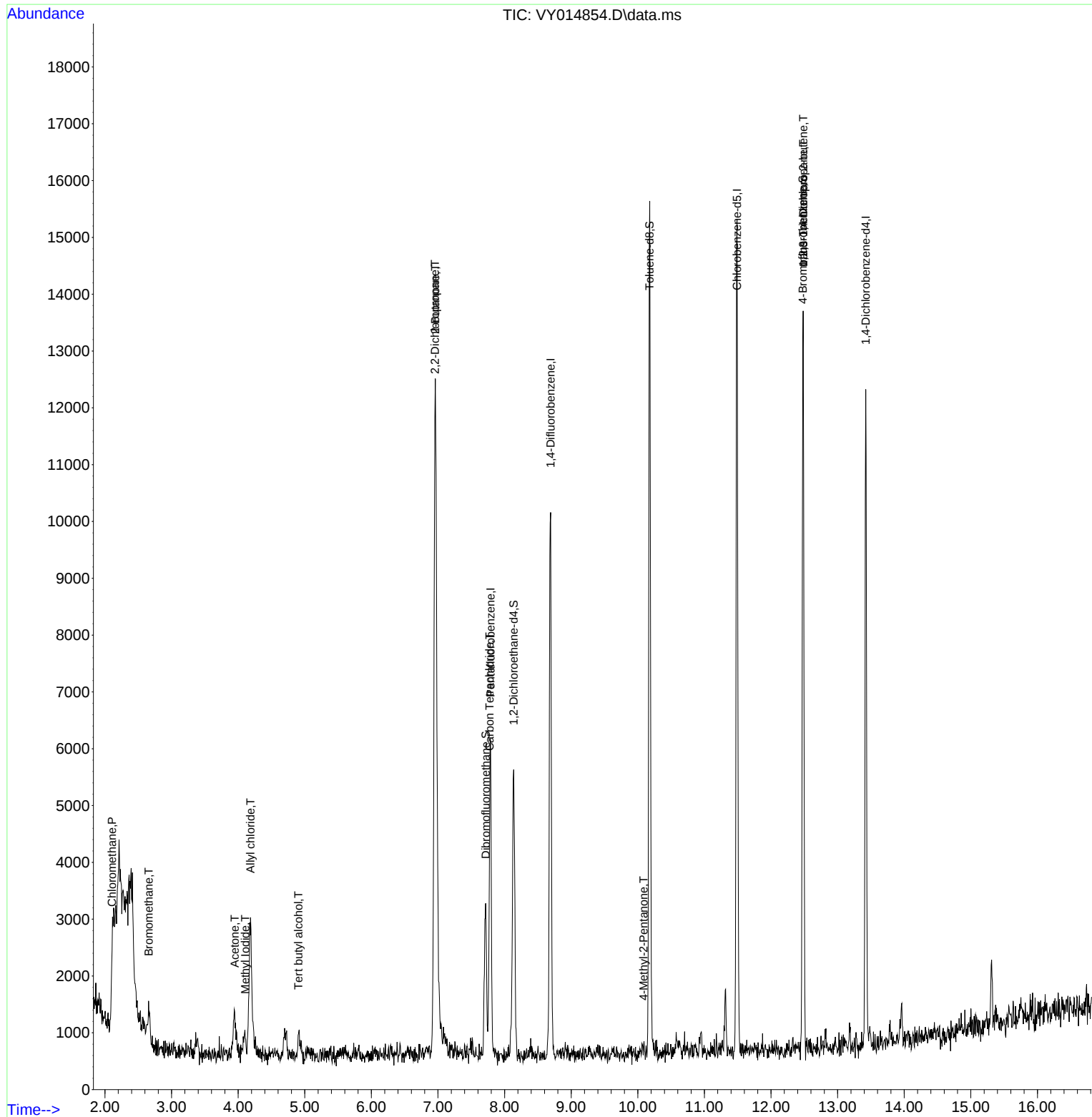
Internal Standards						
1) Pentafluorobenzene	7.789	168	4425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	9356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	8781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4100	81.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.620%	
35) Dibromofluoromethane	7.716	113	1961	32.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 65.860%	
50) Toluene-d8	10.179	98	10920	49.732	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.477	95	3832	45.514	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.020%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	368	9.081	ug/l	89
5) Bromomethane	2.656	94	396	13.231	ug/l	91
10) Methyl Iodide	4.107	142	614	14.204	ug/l #	78
11) Tert butyl alcohol	4.905	59	194	6.801	ug/l #	89
14) Allyl chloride	4.186	41	267	3.451	ug/l #	72
16) Acetone	3.948	43	1563	97.816	ug/l	97
25) 2-Butanone	6.960	43	686	29.345	ug/l #	49
26) 2,2-Dichloropropane	6.954	77	867	10.107	ug/l #	54
38) Carbon Tetrachloride	7.777	117	476	5.056	ug/l #	12
51) 4-Methyl-2-Pentanone	10.087	43	215	3.505	ug/l #	39
76) 1,2,3-Trichloropropane	12.483	75	2070	54.797	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2070	106.098	ug/l #	10

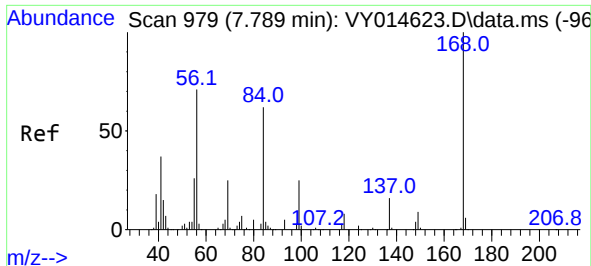
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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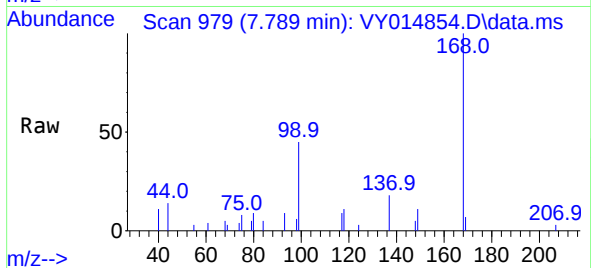
Quant Time: Jul 26 17:21:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
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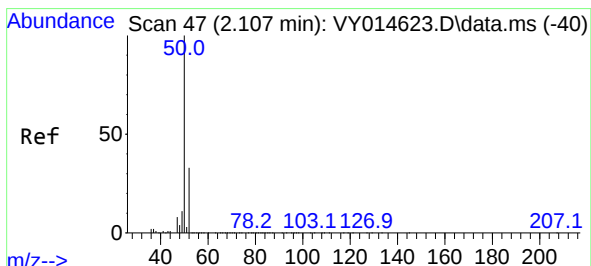
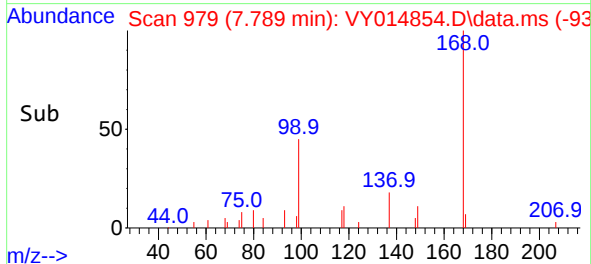
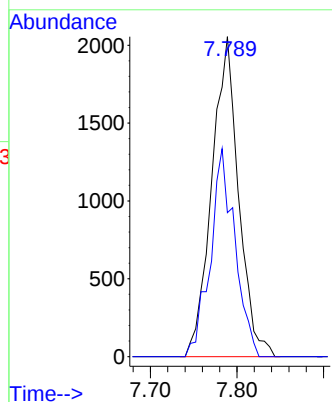


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

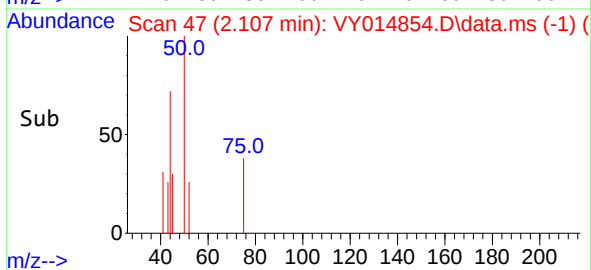
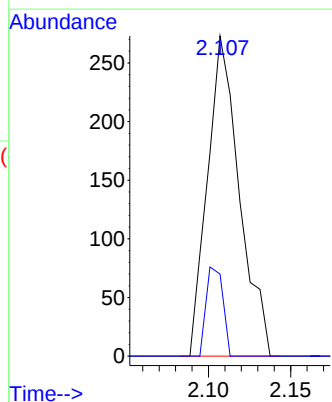
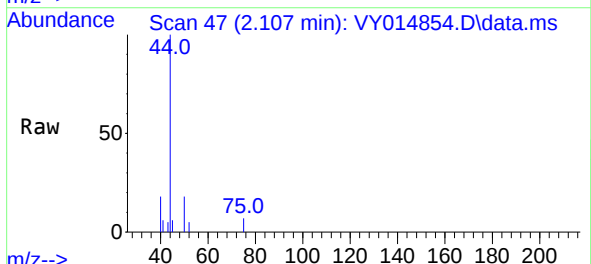


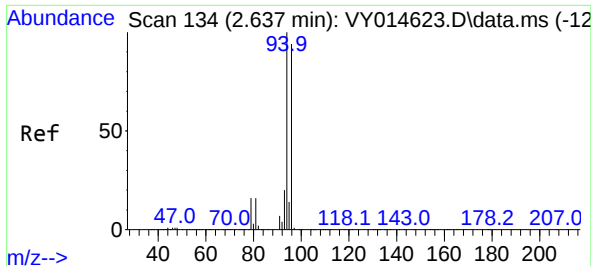
Tgt Ion:168 Resp: 4425
Ion Ratio Lower Upper
168 100
99 45.0 43.4 65.0



#3
Chloromethane
Concen: 9.081 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

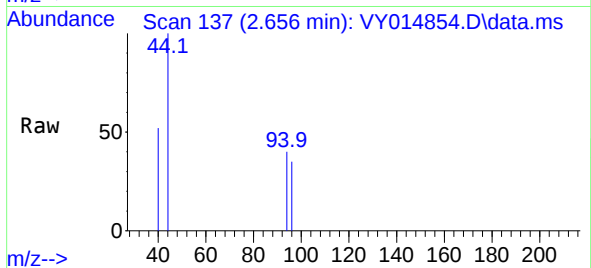
Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 25.6 25.4 38.2



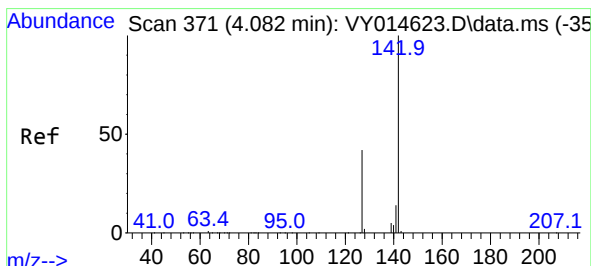
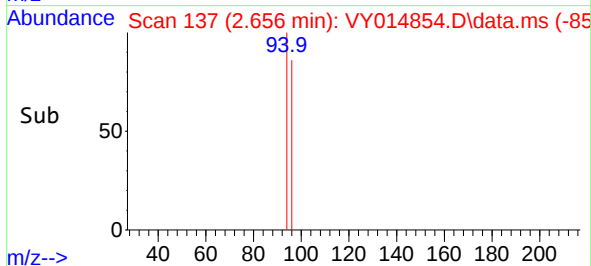
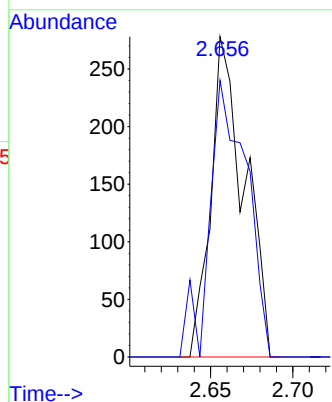


#5
Bromomethane
Concen: 13.231 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

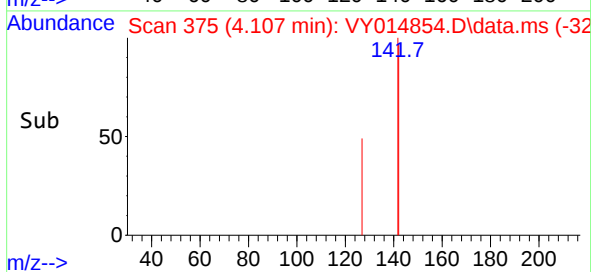
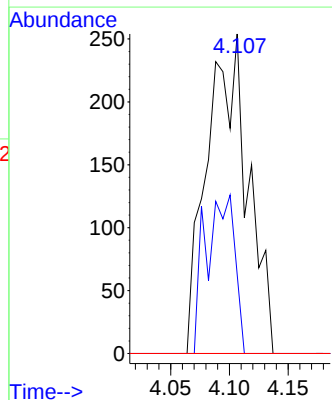
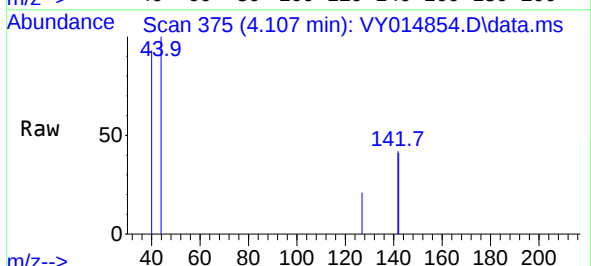


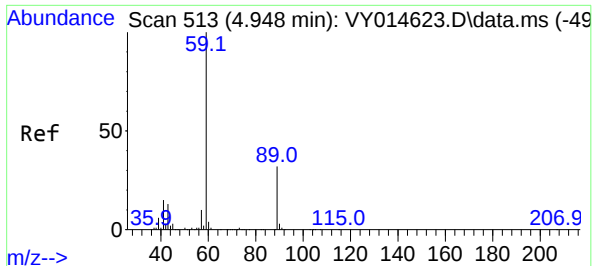
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 86.3 75.8 113.6



#10
Methyl Iodide
Concen: 14.204 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

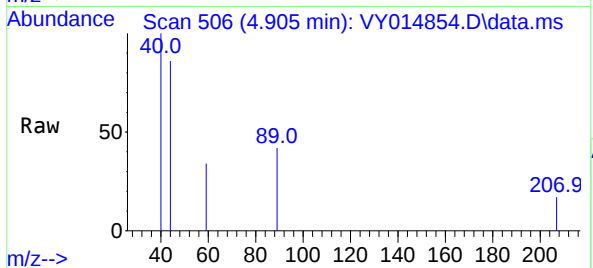
Tgt Ion: 142 Resp: 614
Ion Ratio Lower Upper
142 100
127 35.3 37.6 56.4#
141 0.0 11.8 17.8#



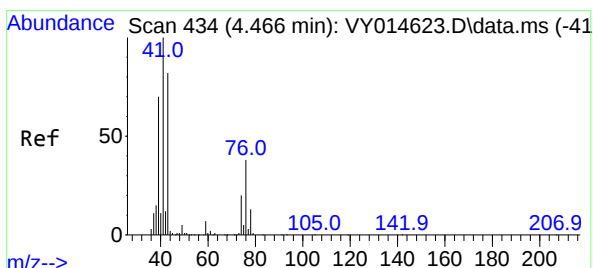
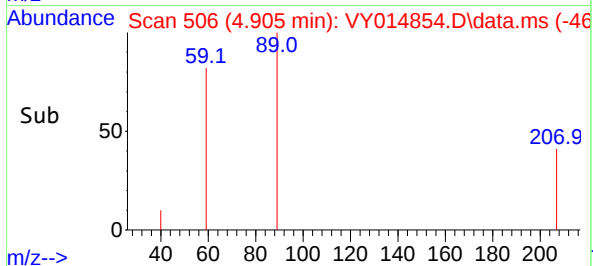
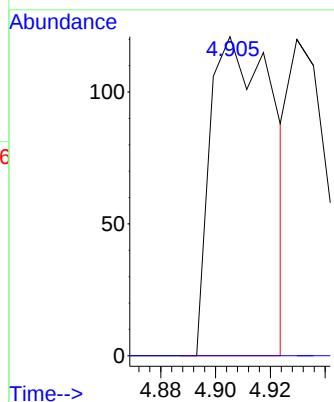


#11
Tert butyl alcohol
Concen: 6.801 ug/l
RT: 4.905 min Scan# 50
Delta R.T. -0.043 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

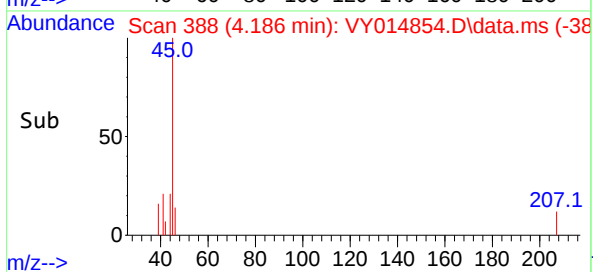
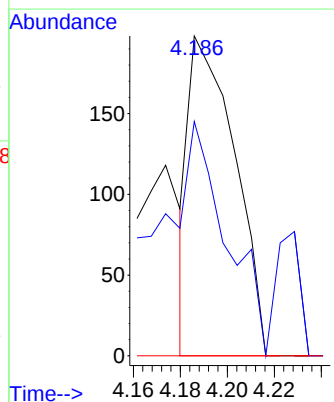
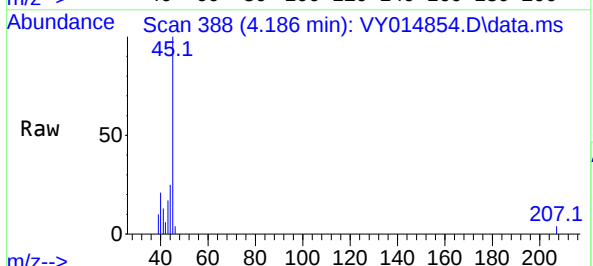


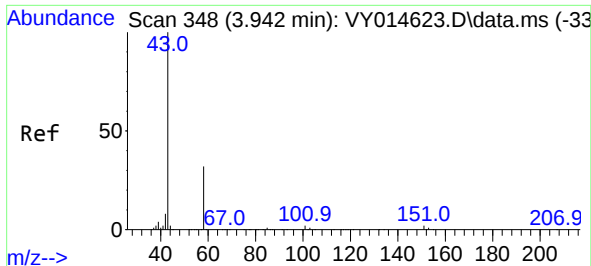
Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#14
Allyl chloride
Concen: 3.451 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.280 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

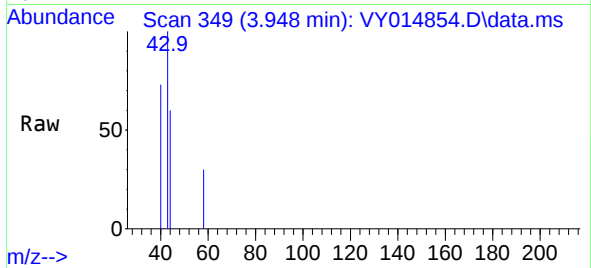
Tgt Ion: 41 Resp: 267
Ion Ratio Lower Upper
41 100
39 61.8 58.0 87.0
76 0.0 27.4 41.2#



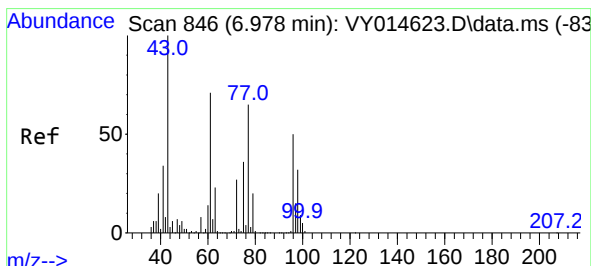
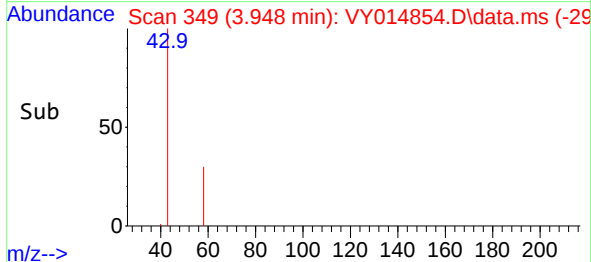
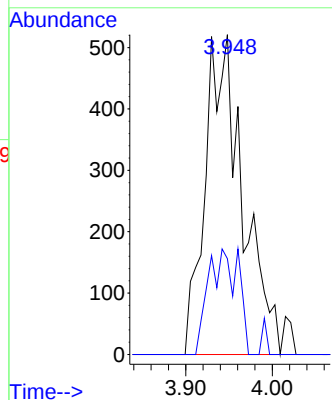


#16
Acetone
Concen: 97.816 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

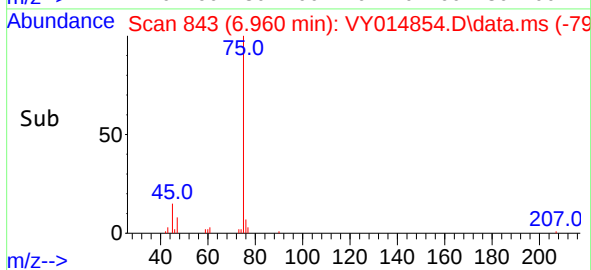
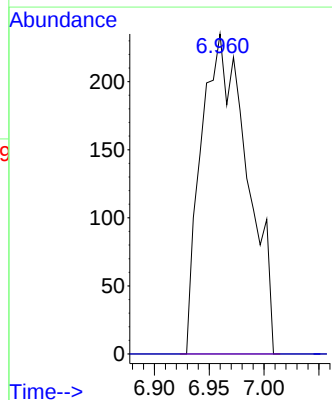
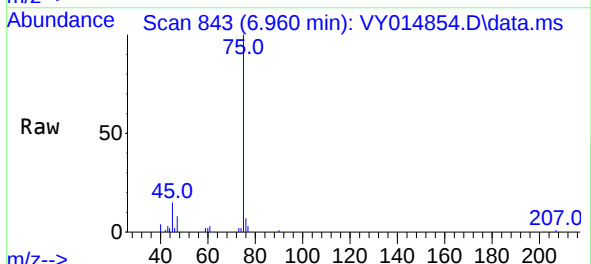


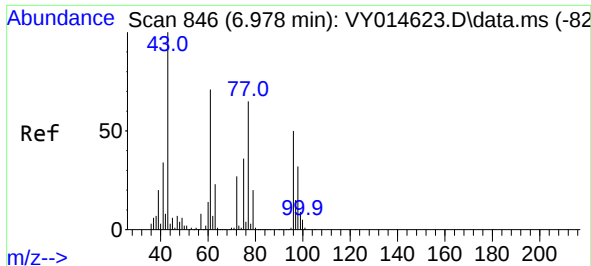
Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
58 29.9 22.7 34.1



#25
2-Butanone
Concen: 29.345 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.018 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

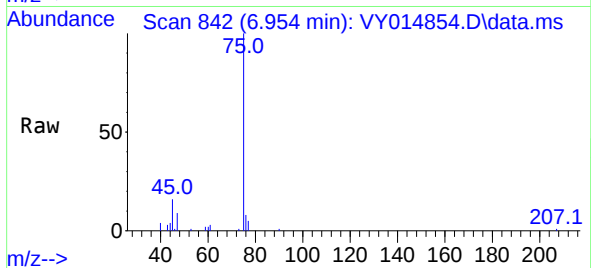
Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



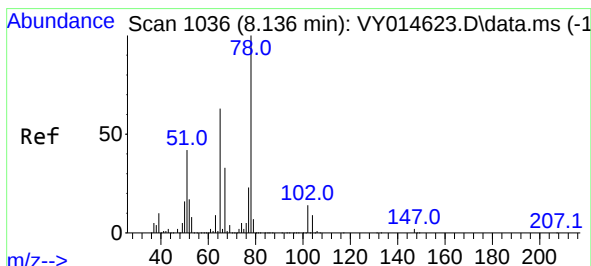
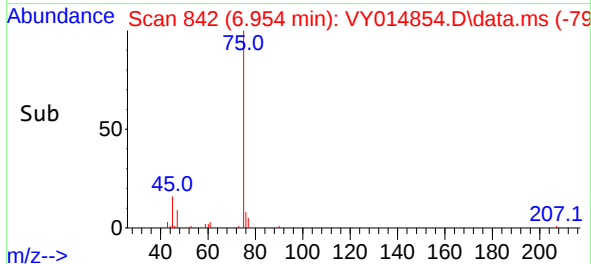
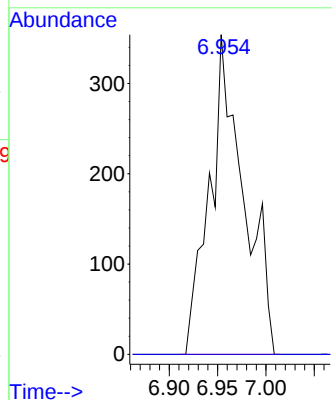


#26
2,2-Dichloropropane
Concen: 10.107 ug/l
RT: 6.954 min Scan# 846
Delta R.T. -0.024 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

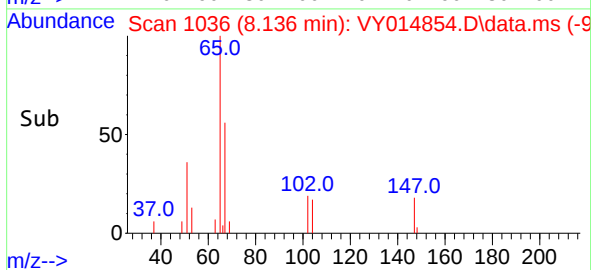
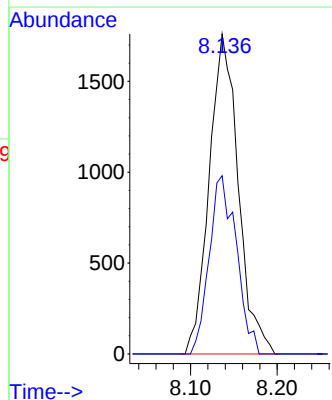
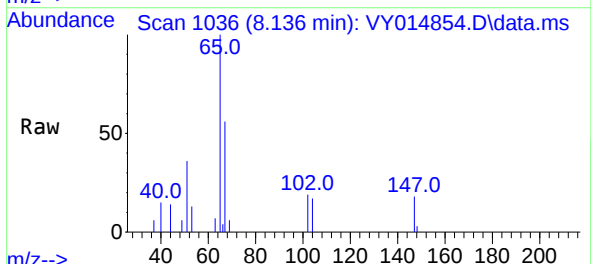


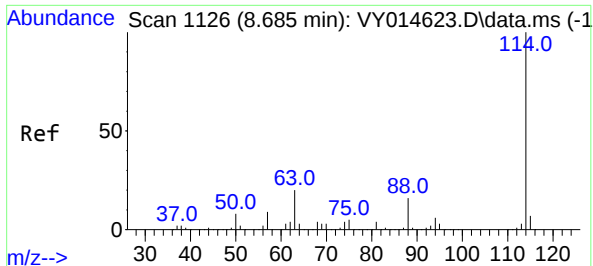
Tgt Ion: 77 Resp: 867
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 81.310 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Tgt Ion: 65 Resp: 4100
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014854.D

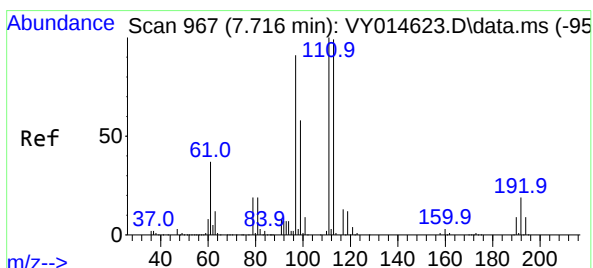
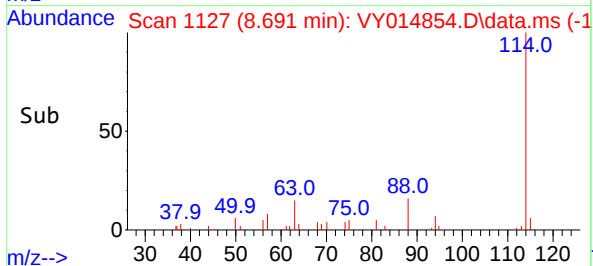
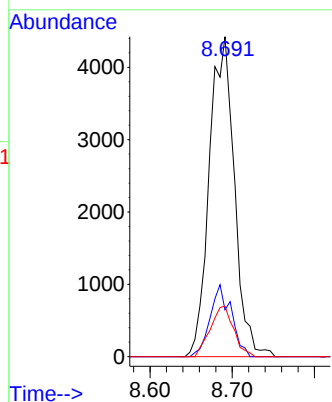
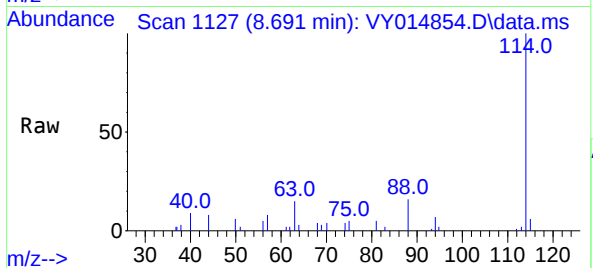
Acq: 26 Jul 2023 17:04

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	9356
Ion Ratio	Lower	Upper
114	100	
63	14.7	0.0 42.4
88	15.8	0.0 30.6



#35

Dibromofluoromethane

Concen: 32.926 ug/l

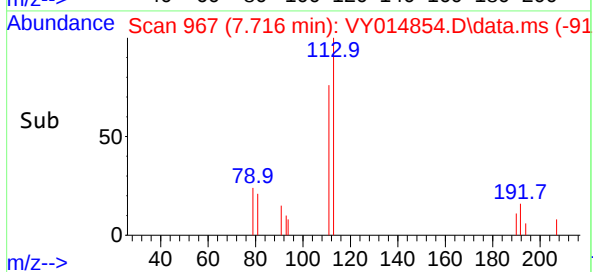
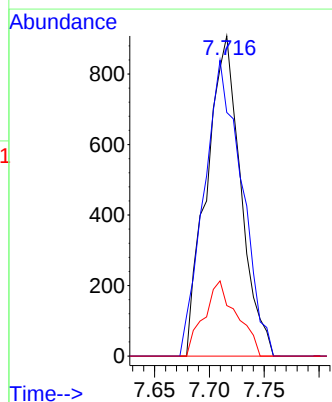
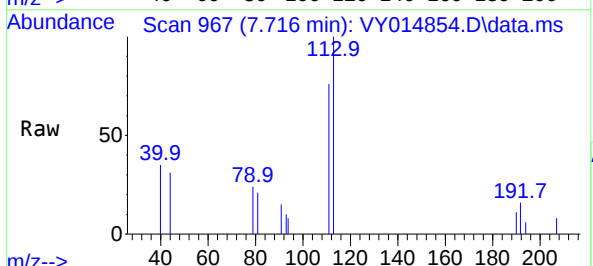
RT: 7.716 min Scan# 967

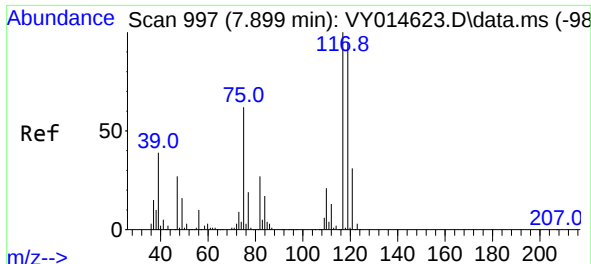
Delta R.T. -0.000 min

Lab File: VY014854.D

Acq: 26 Jul 2023 17:04

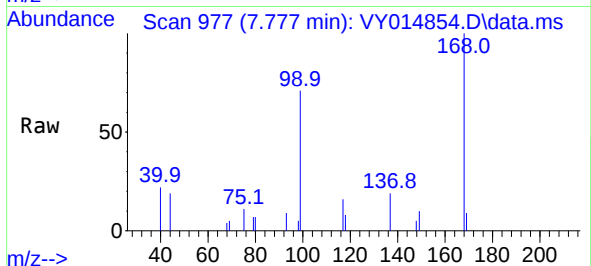
Tgt Ion:113	Resp:	1961
Ion Ratio	Lower	Upper
113	100	
111	102.4	81.3 121.9
192	22.5	16.9 25.3



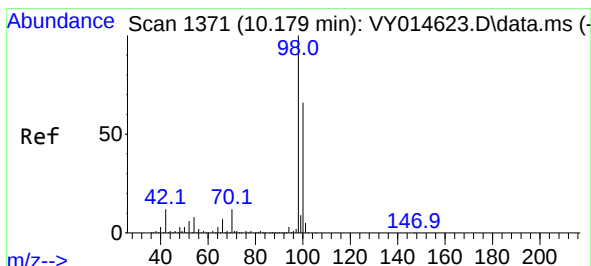
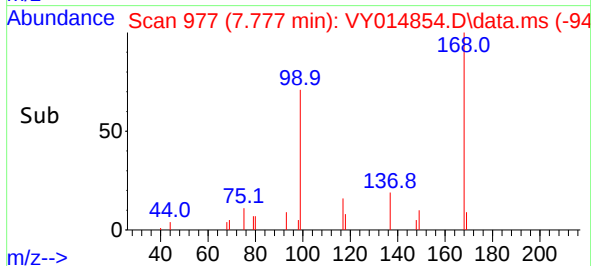
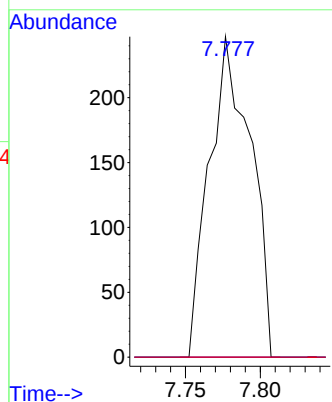


#38
Carbon Tetrachloride
Concen: 5.056 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

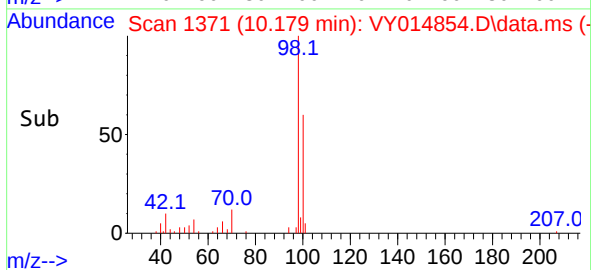
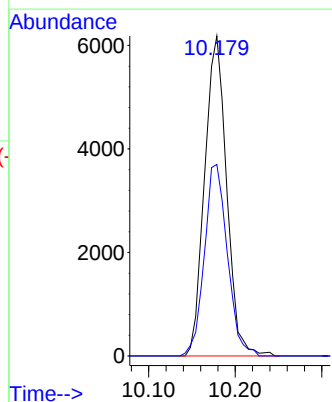
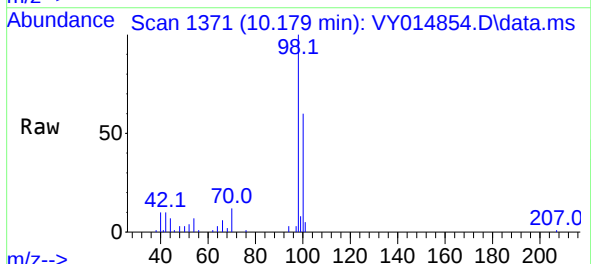


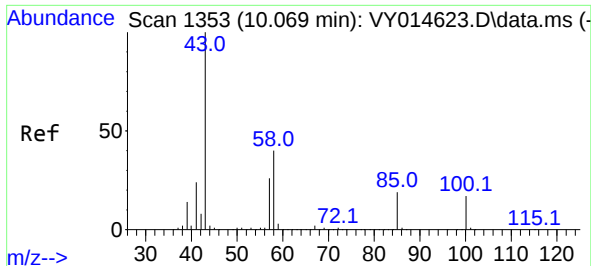
Tgt Ion:117 Resp: 476
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.732 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Tgt Ion: 98 Resp: 10920
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1

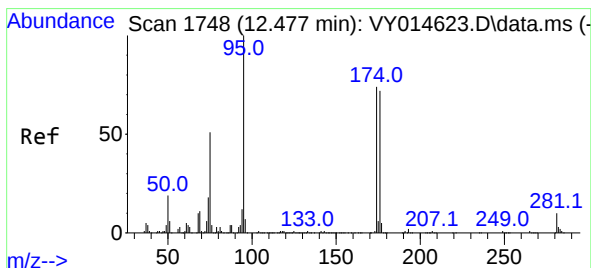
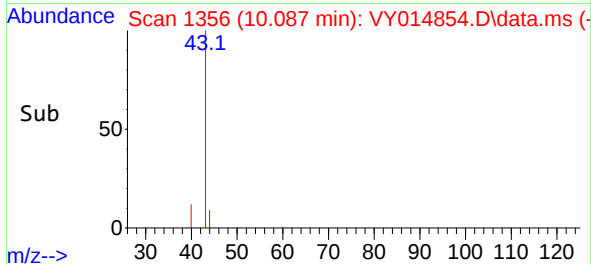
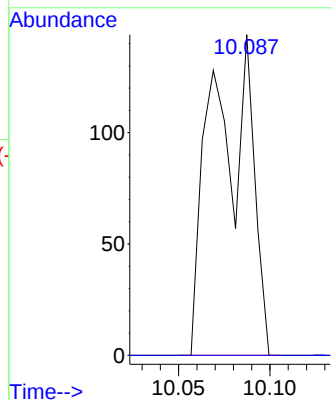
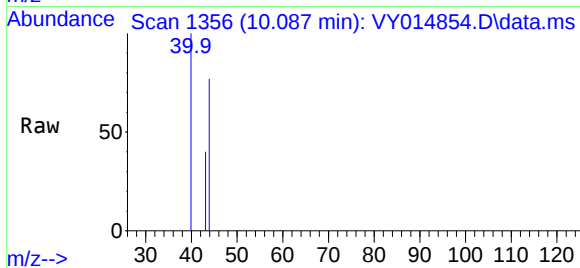




#51
4-Methyl-2-Pentanone
Concen: 3.505 ug/l
RT: 10.087 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

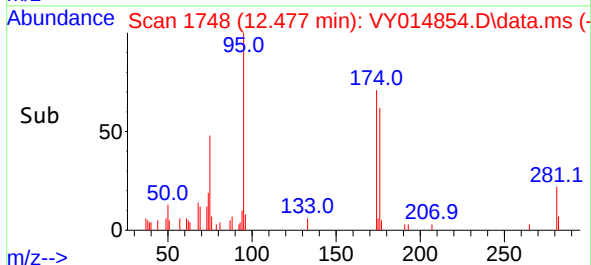
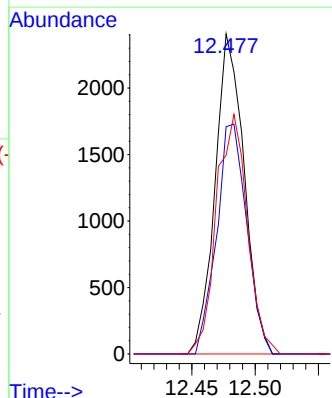
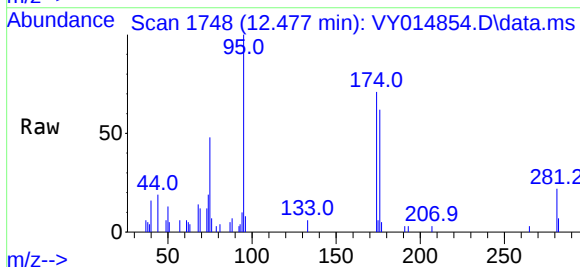
Instrument :
MSVOA_Y
ClientSampleId :

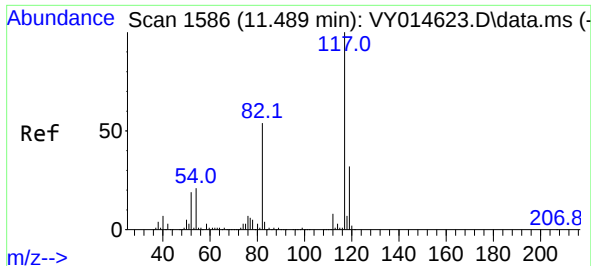
Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 45.514 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

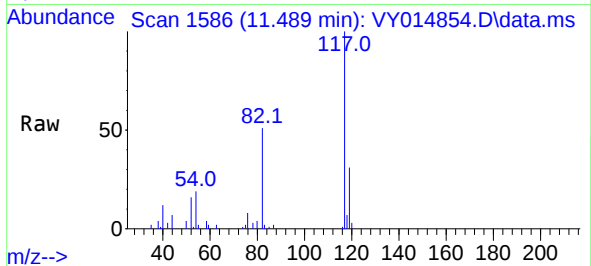
Tgt Ion: 95 Resp: 3832
Ion Ratio Lower Upper
95 100
174 75.1 0.0 178.2
176 79.7 0.0 173.8



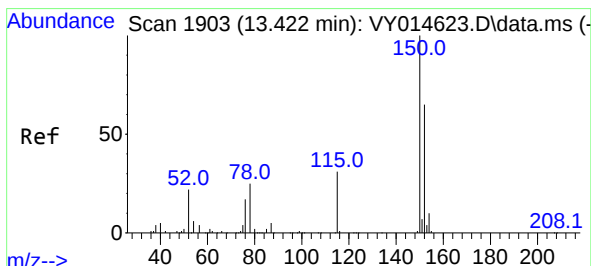
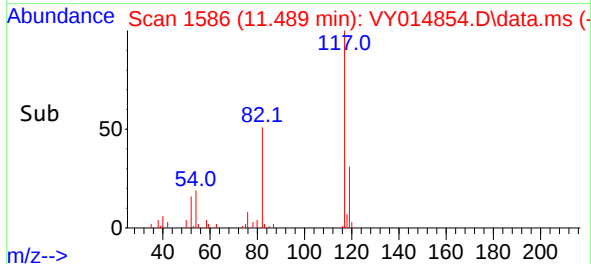
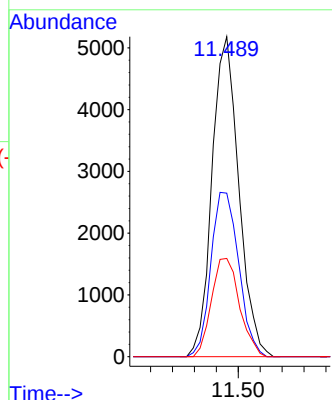


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

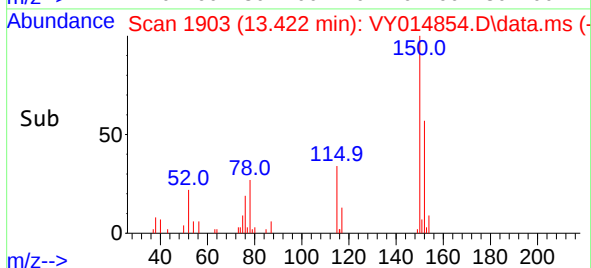
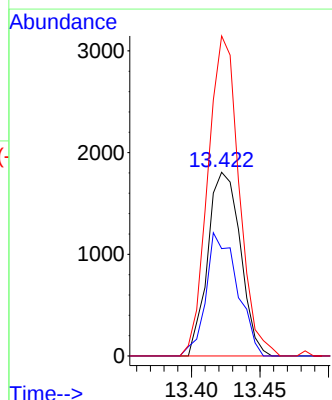
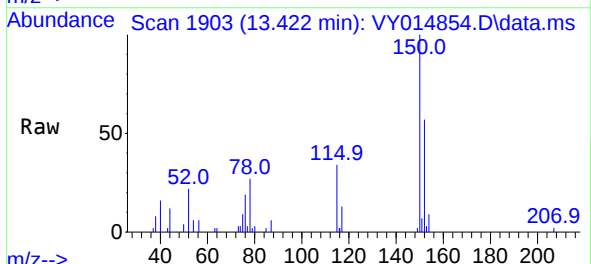


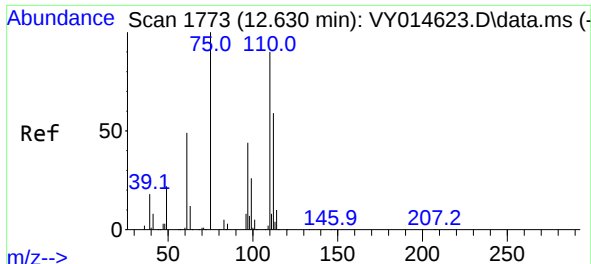
Tgt Ion:	117	Resp:	8781
Ion Ratio	Lower	Upper	
117	100		
82	51.1	43.4	65.0
119	30.7	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Tgt Ion:	152	Resp:	2991
Ion Ratio	Lower	Upper	
152	100		
115	64.4	28.8	86.5
150	166.7	0.0	348.8

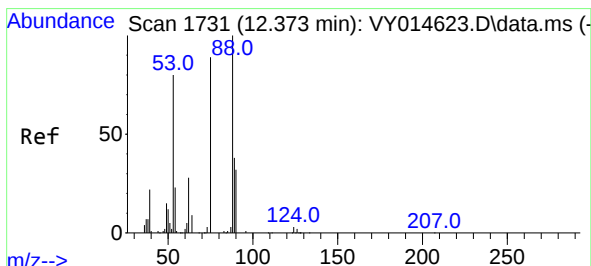
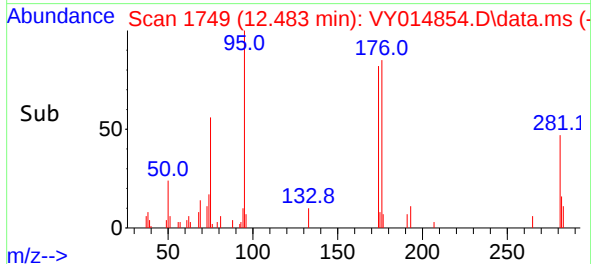
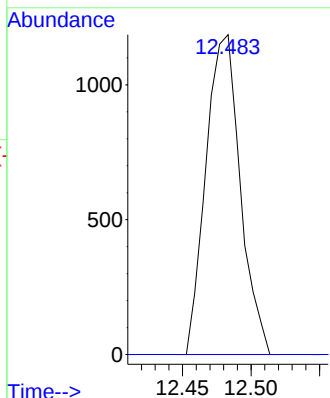
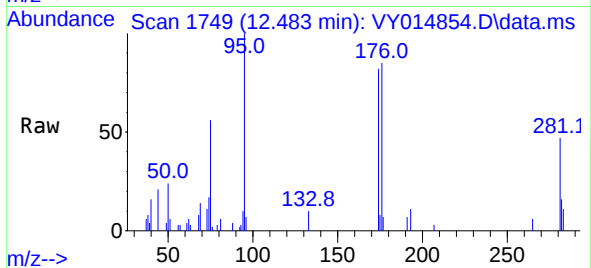




#76
1,2,3-Trichloropropane
Concen: 54.797 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2070
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 106.098 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014854.D
Acq: 26 Jul 2023 17:04

Tgt Ion: 75 Resp: 2070
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

