

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014492.D
 Acq On : 29 Jun 2023 11:45
 Operator : KP/MD
 Sample : 03462-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-62823RE

Quant Time: Jun 30 04:08:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

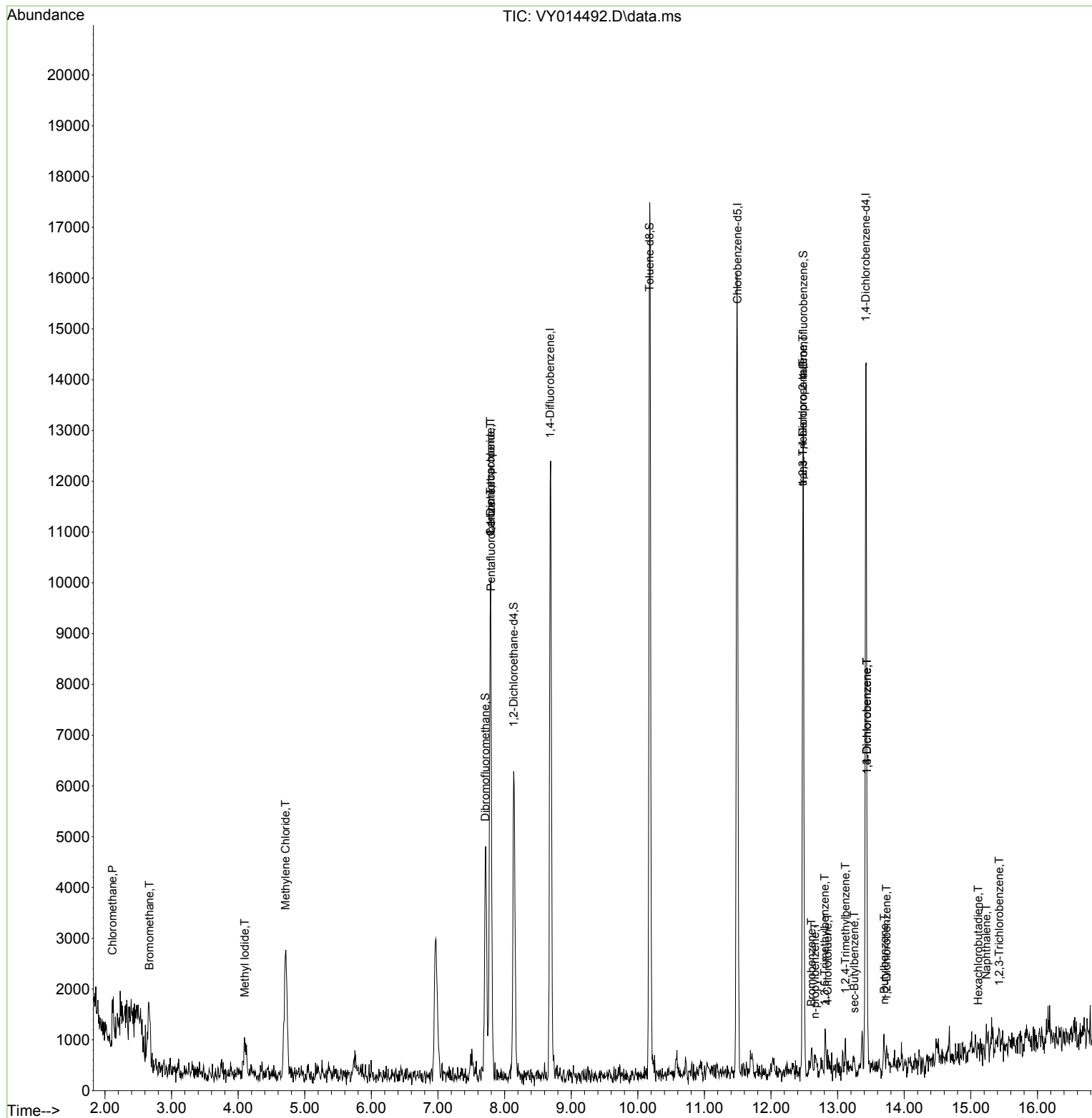
Internal Standards						
1) Pentafluorobenzene	7.795	168	7928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	10924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	9650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5266	53.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.000%	
35) Dibromofluoromethane	7.710	113	3246	48.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.200%	
50) Toluene-d8	10.179	98	12391	46.186	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.380%	
62) 4-Bromofluorobenzene	12.483	95	3660	38.213	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.420%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	310	4.305	ug/l #	83
5) Bromomethane	2.668	94	676	9.802	ug/l #	72
10) Methyl Iodide	4.101	142	1241	14.958	ug/l #	91
20) Methylene Chloride	4.710	84	1959	18.387	ug/l #	63
36) 1,1-Dichloropropene	7.789	75	522	5.019	ug/l #	41
38) Carbon Tetrachloride	7.789	117	892	6.815	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	1763	34.935	ug/l #	100
77) Bromobenzene	12.605	156	92	1.306	ug/l	78
78) n-propylbenzene	12.660	91	409	1.251	ug/l	91
80) 1,3,5-Trimethylbenzene	12.806	105	249	1.063	ug/l #	61
81) trans-1,4-Dichloro-2-b...	12.477	75	1763	79.535	ug/l #	10
82) 4-Chlorotoluene	12.849	91	291	1.464	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.117	105	274	1.180	ug/l	91
85) sec-Butylbenzene	13.251	105	372	1.280	ug/l	80
87) 1,3-Dichlorobenzene	13.440	146	388	2.856	ug/l	80
88) 1,4-Dichlorobenzene	13.440	146	388	2.841	ug/l	80
89) n-Butylbenzene	13.702	91	343	1.492	ug/l	85
91) 1,2-Dichlorobenzene	13.733	146	244	1.967	ug/l	84
94) Hexachlorobutadiene	15.111	225	128	2.645	ug/l #	18
95) Naphthalene	15.233	128	556	3.209	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.428	180	230	3.135	ug/l #	46

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

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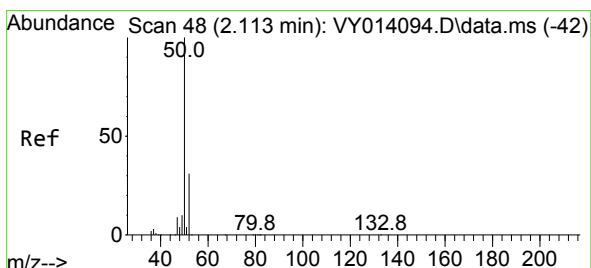
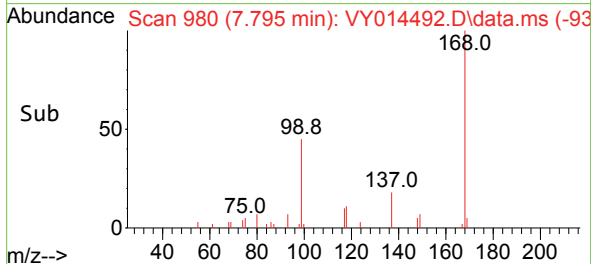
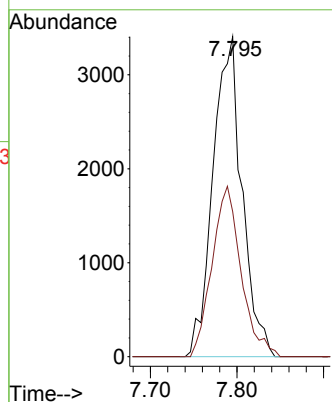
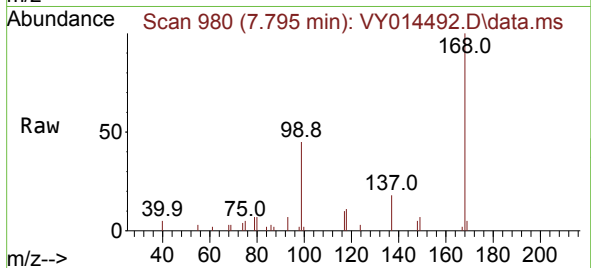




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

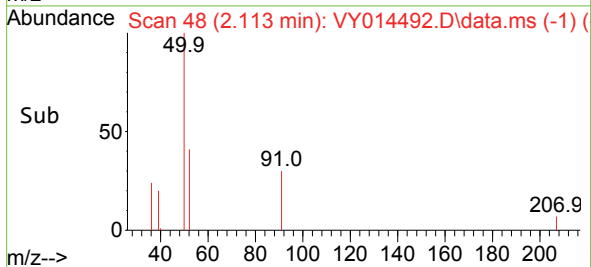
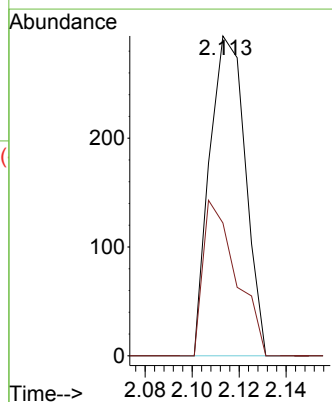
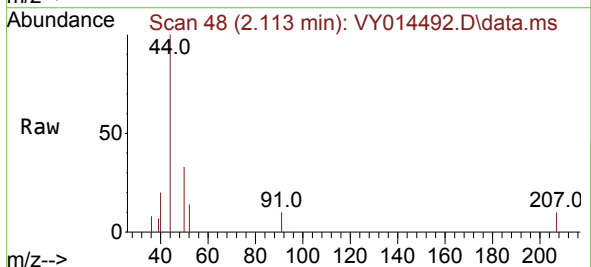
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

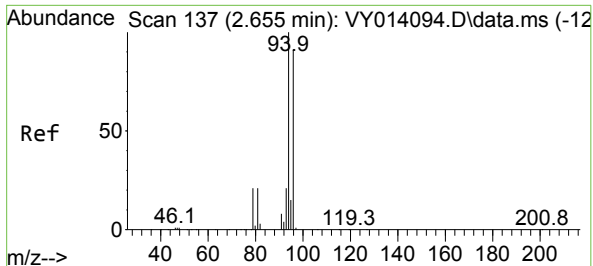
Tgt Ion:168 Resp: 7928
Ion Ratio Lower Upper
168 100
99 45.4 43.4 65.0



#3
Chloromethane
Concen: 4.305 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion: 50 Resp: 310
Ion Ratio Lower Upper
50 100
52 41.5 25.4 38.2#

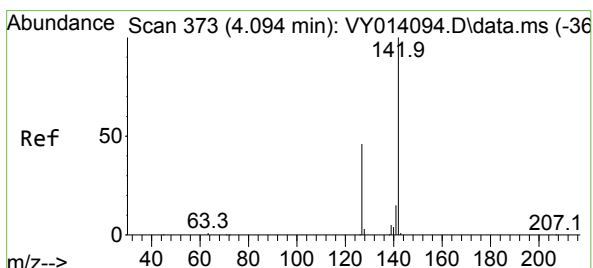
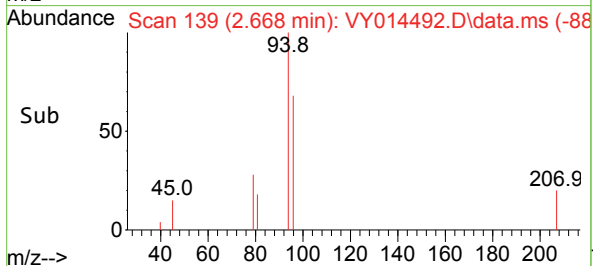
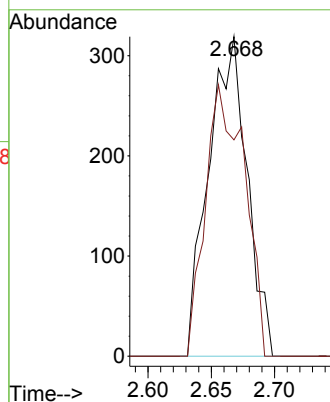
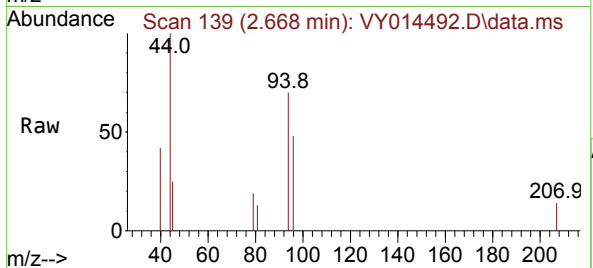




#5
Bromomethane
Concen: 9.802 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

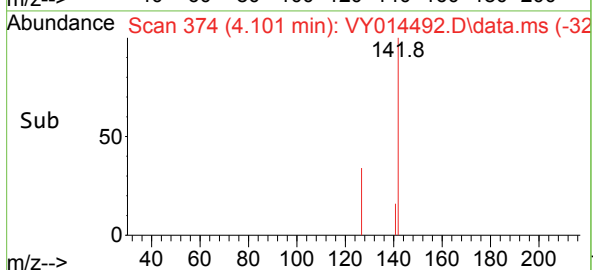
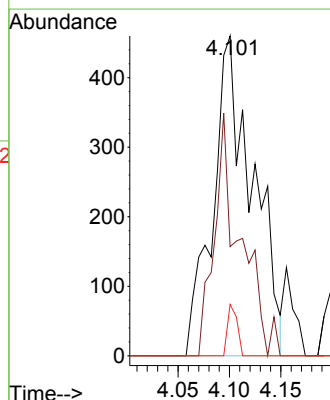
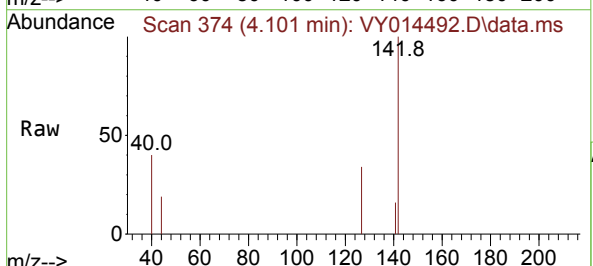
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

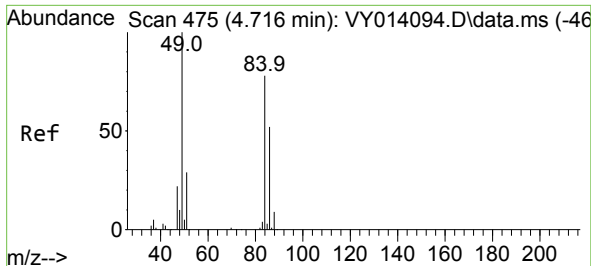
Tgt Ion: 94 Resp: 676
Ion Ratio Lower Upper
94 100
96 67.7 75.8 113.6#



#10
Methyl Iodide
Concen: 14.958 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.007 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion:142 Resp: 1241
Ion Ratio Lower Upper
142 100
127 49.2 37.6 56.4
141 3.9 11.8 17.8#

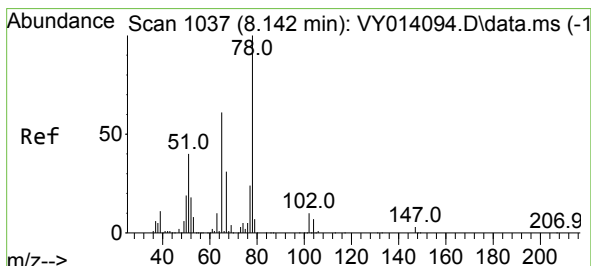
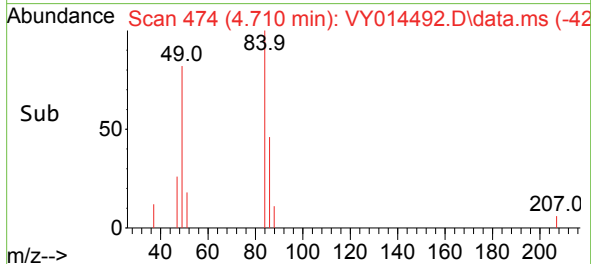
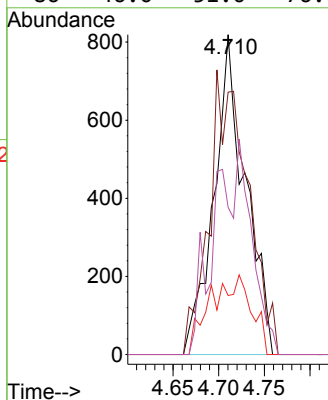
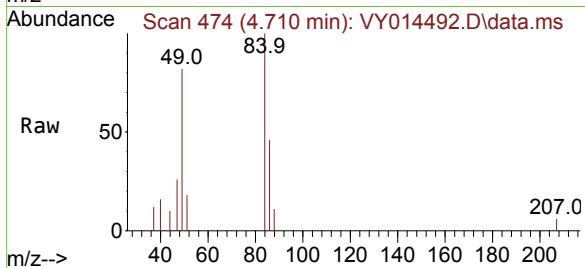




#20
Methylene Chloride
Concen: 18.387 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

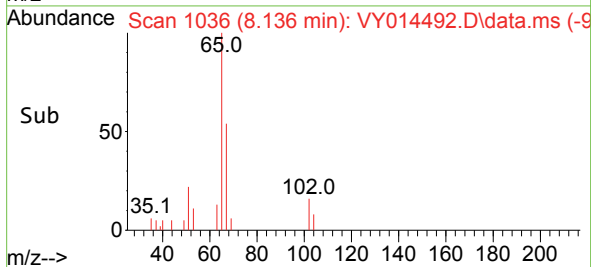
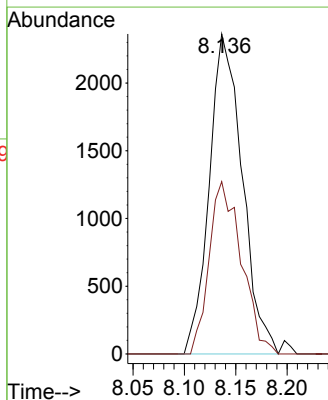
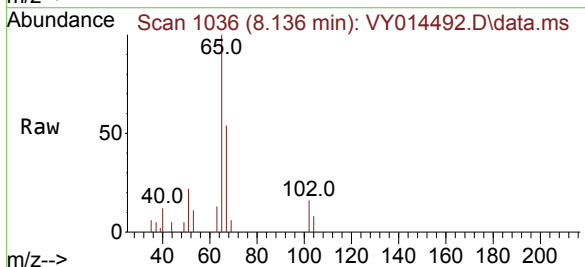
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

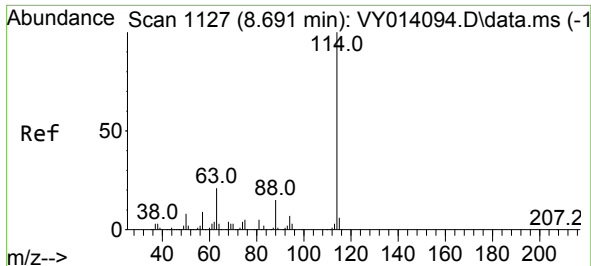
Tgt Ion:	84	Resp:	1959
Ion	Ratio	Lower	Upper
84	100		
49	82.1	106.9	160.3#
51	18.4	33.2	49.8#
86	46.0	51.0	76.6#



#33
1,2-Dichloroethane-d4
Concen: 53.498 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion:	65	Resp:	5266
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014492.D

Acq: 29 Jun 2023 11:45

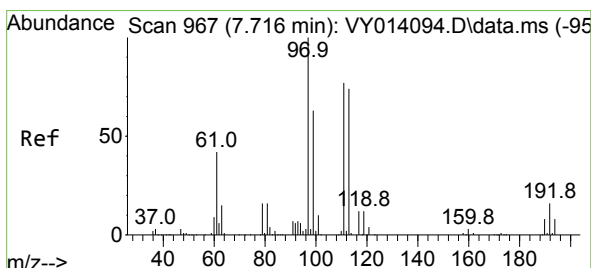
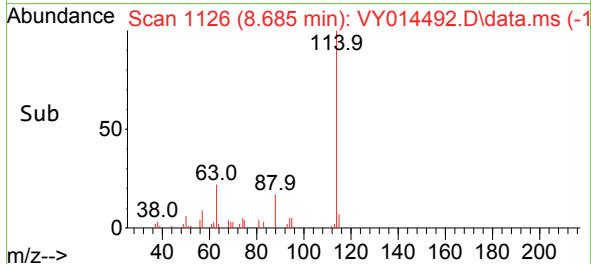
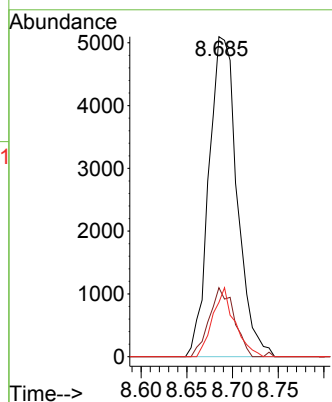
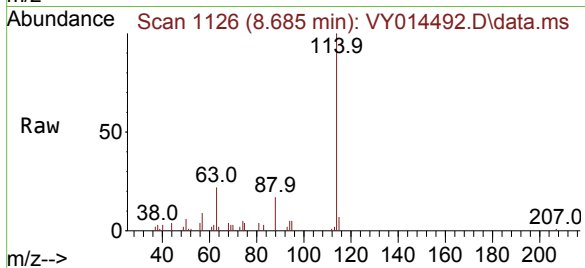
Instrument :

MSVOA_Y

ClientSampleId :

SU-02-62823RE

Tgt Ion:114	Resp:	10924
Ion	Ratio	Lower Upper
114	100	
63	21.5	0.0 42.4
88	16.9	0.0 30.6



#35

Dibromofluoromethane

Concen: 48.095 ug/l

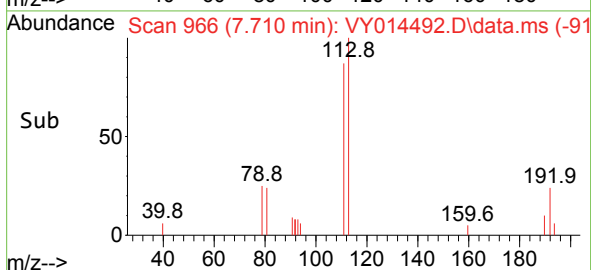
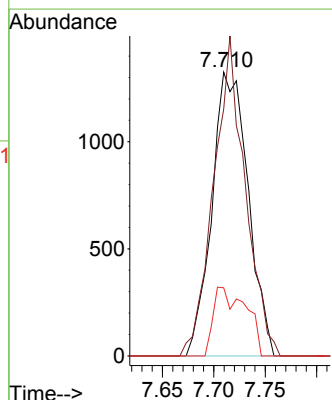
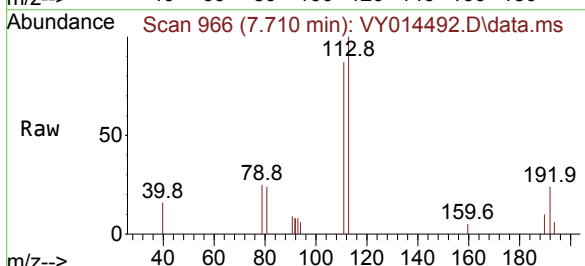
RT: 7.710 min Scan# 966

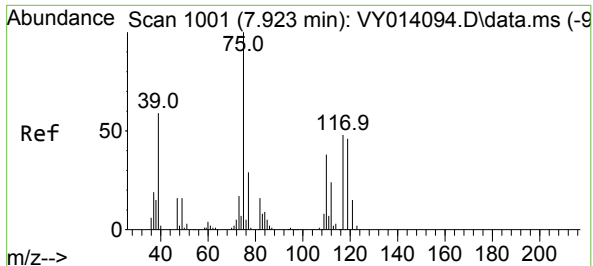
Delta R.T. -0.006 min

Lab File: VY014492.D

Acq: 29 Jun 2023 11:45

Tgt Ion:113	Resp:	3246
Ion	Ratio	Lower Upper
113	100	
111	98.0	81.3 121.9
192	21.6	16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014492.D

Acq: 29 Jun 2023 11:45

Instrument :

MSVOA_Y

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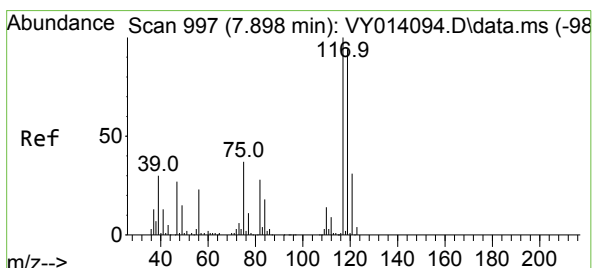
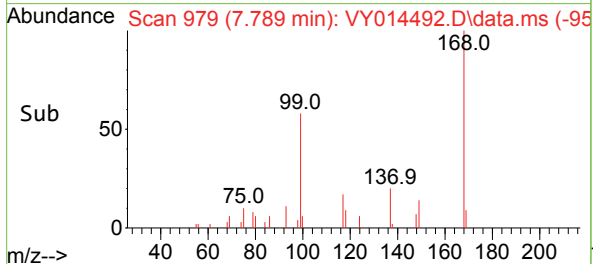
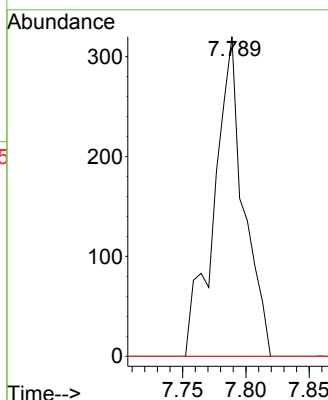
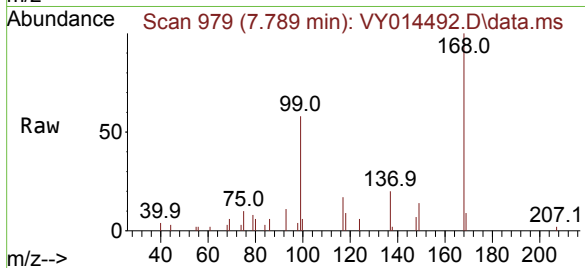
Tgt Ion: 75 Resp: 522

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.815 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014492.D

Acq: 29 Jun 2023 11:45

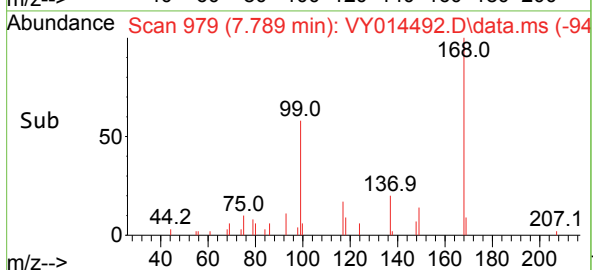
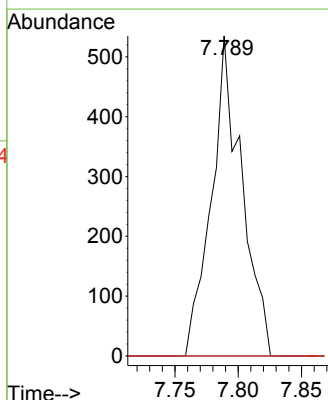
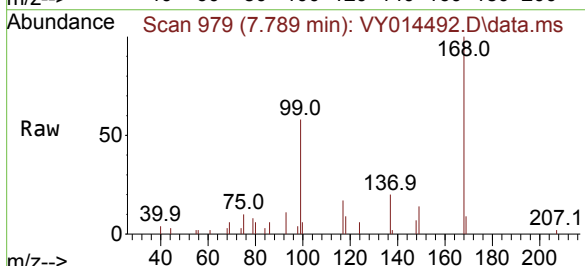
Tgt Ion: 117 Resp: 892

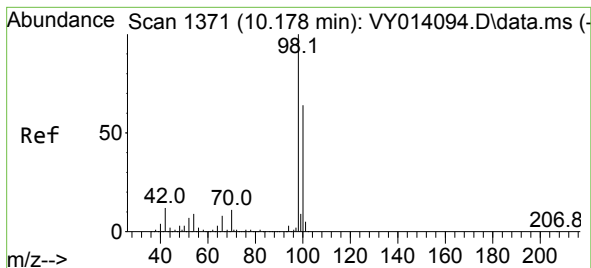
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

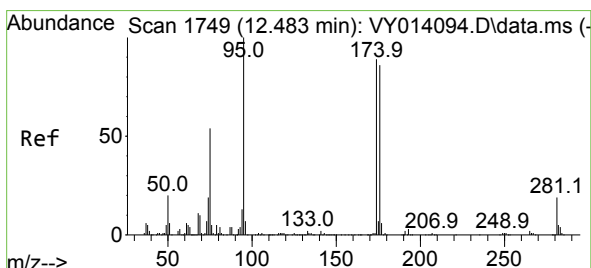
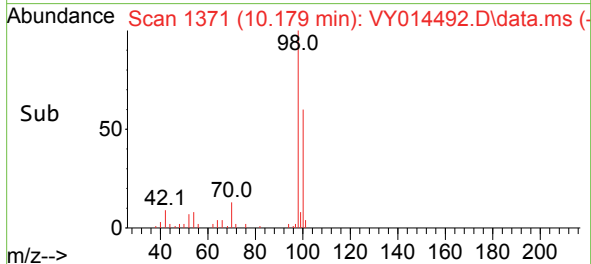
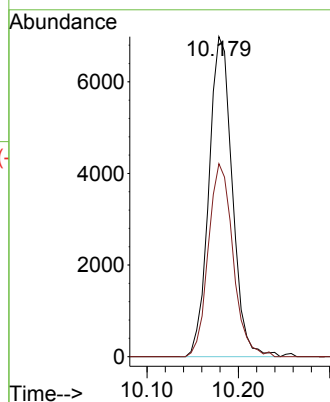
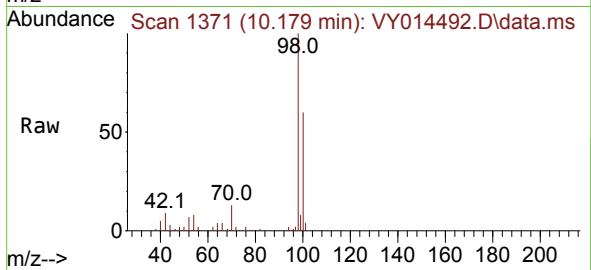




#50
Toluene-d8
Concen: 46.186 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

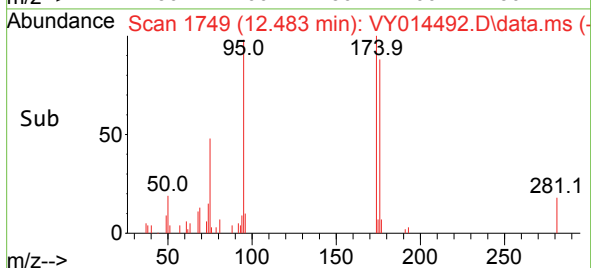
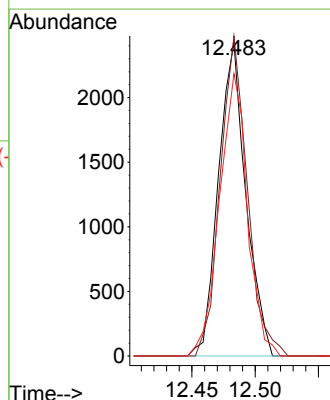
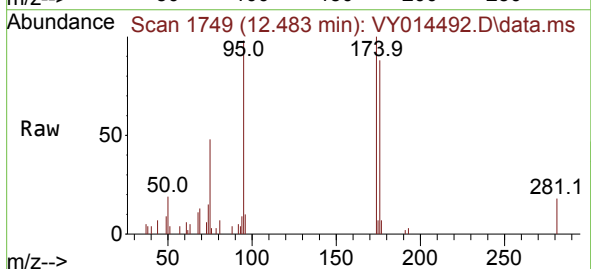
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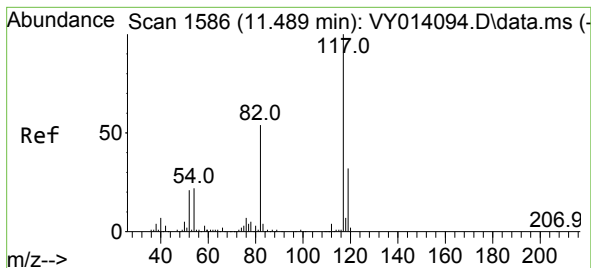
Tgt Ion: 98 Resp: 12391
Ion Ratio Lower Upper
98 100
100 63.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 38.213 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion: 95 Resp: 3660
Ion Ratio Lower Upper
95 100
174 100.4 0.0 178.2
176 91.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014492.D

Acq: 29 Jun 2023 11:45

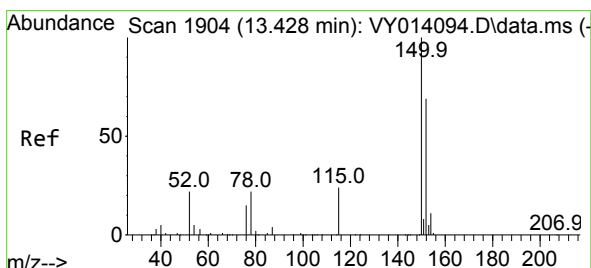
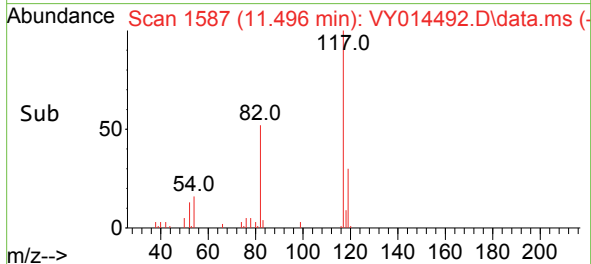
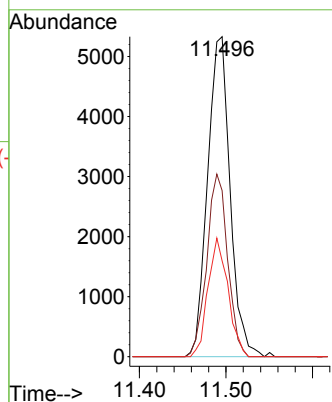
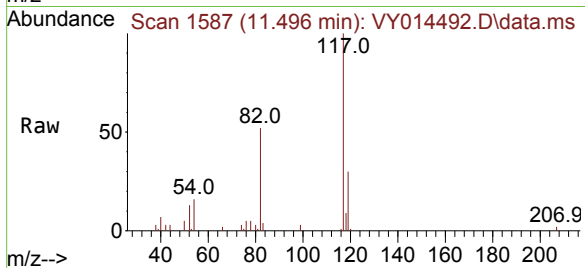
Instrument :

MSVOA_Y

ClientSampleId :

SU-02-62823RE

Tgt Ion:117	Resp:	9650
Ion Ratio	Lower	Upper
117	100	
82	51.9	43.4 65.0
119	30.0	26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

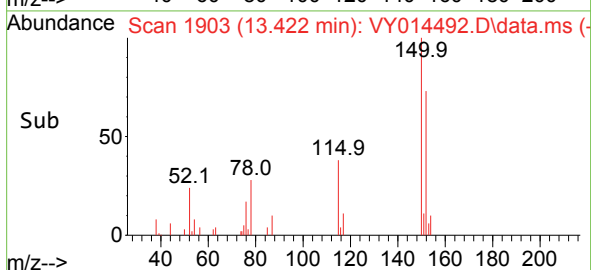
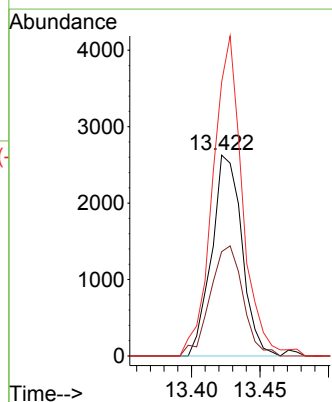
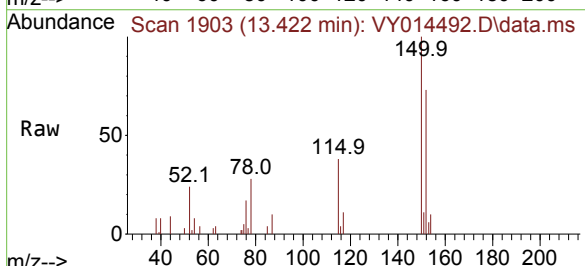
RT: 13.422 min Scan# 1903

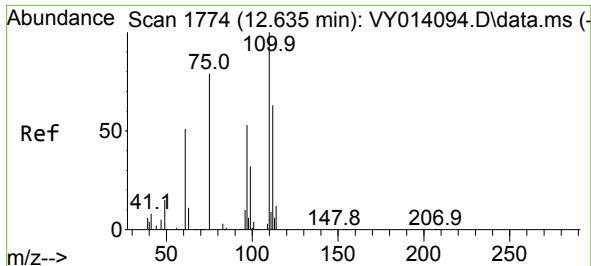
Delta R.T. -0.006 min

Lab File: VY014492.D

Acq: 29 Jun 2023 11:45

Tgt Ion:152	Resp:	4023
Ion Ratio	Lower	Upper
152	100	
115	59.6	28.8 86.5
150	156.8	0.0 348.8

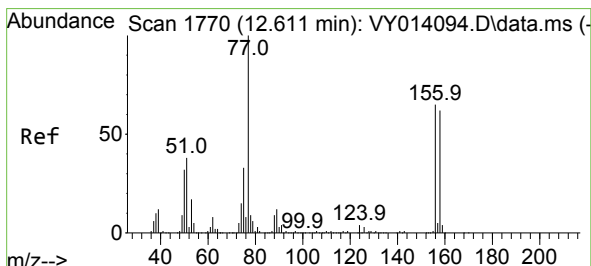
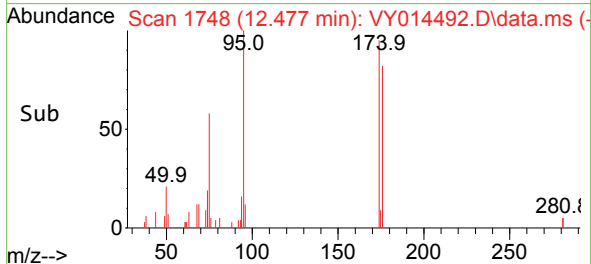
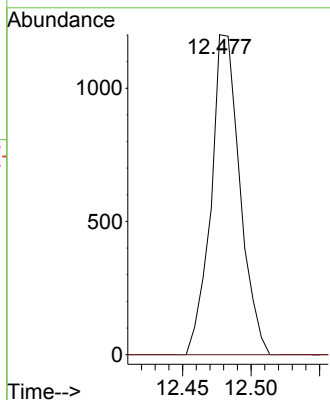
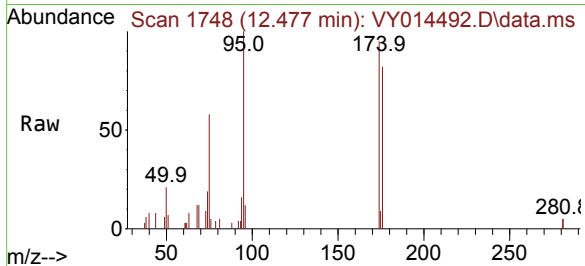




#76
1,2,3-Trichloropropane
Concen: 34.935 ug/l
RT: 12.477 min Scan# 1769
Delta R.T. -0.158 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

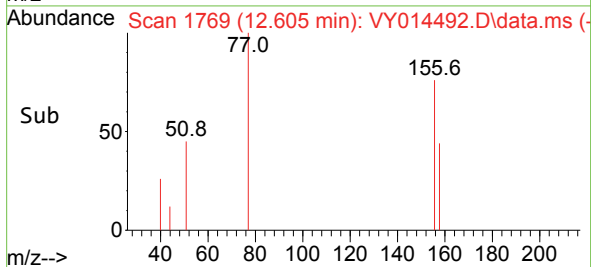
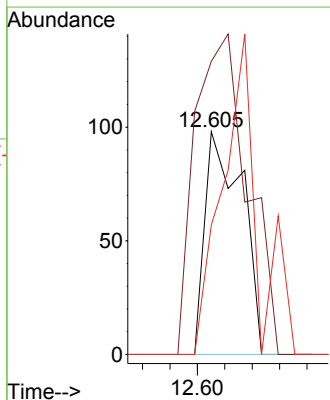
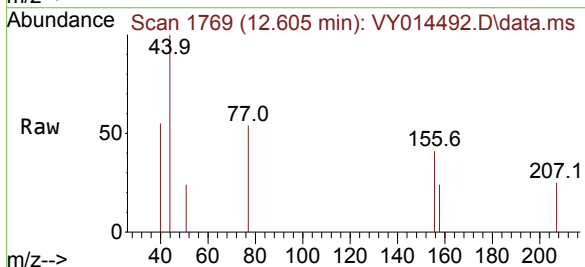
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

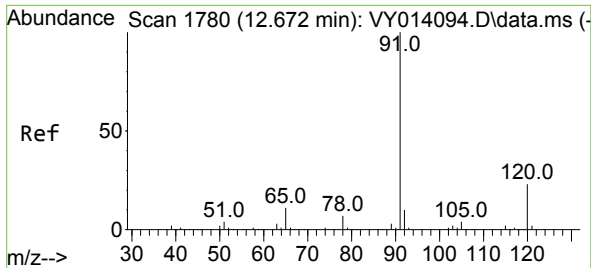
Tgt Ion: 75 Resp: 1763
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 1.306 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion: 156 Resp: 92
Ion Ratio Lower Upper
156 100
77 204.3 92.8 278.6
158 134.8 48.4 145.3

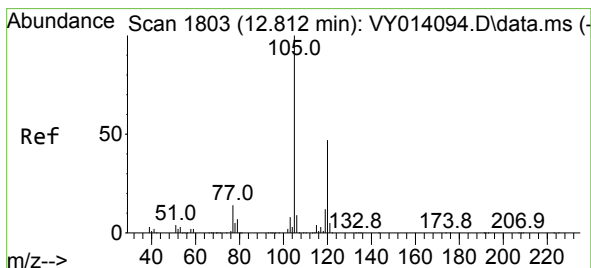
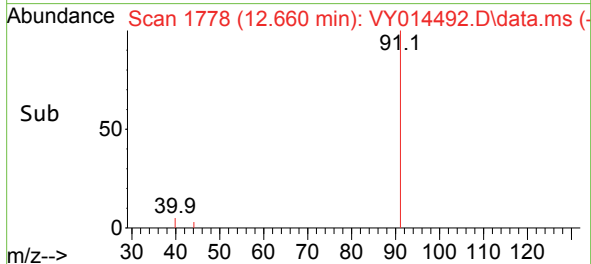
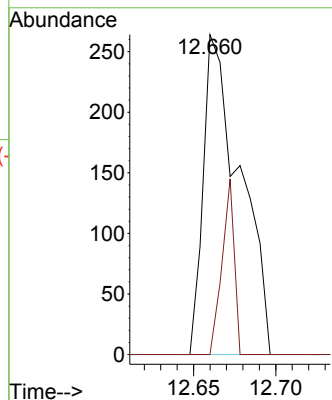
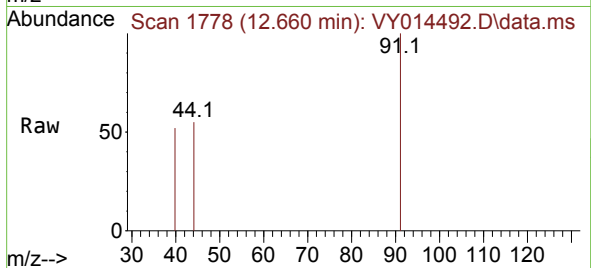




#78
n-propylbenzene
Concen: 1.251 ug/l
RT: 12.660 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

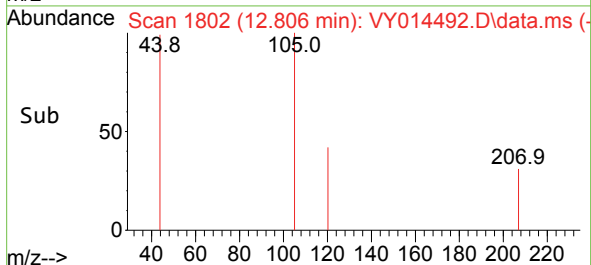
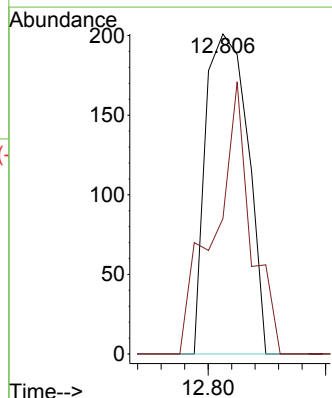
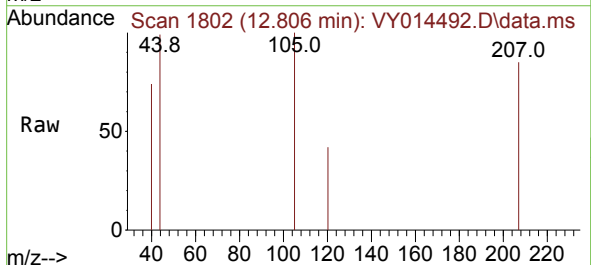
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

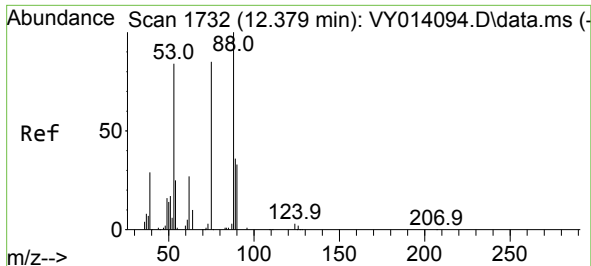
Tgt Ion: 91 Resp: 409
Ion Ratio Lower Upper
91 100
120 18.3 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 1.063 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion: 105 Resp: 249
Ion Ratio Lower Upper
105 100
120 73.9 23.9 71.7#

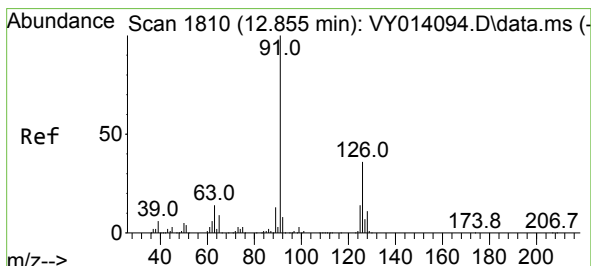
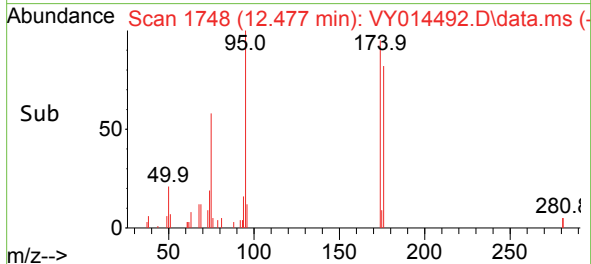
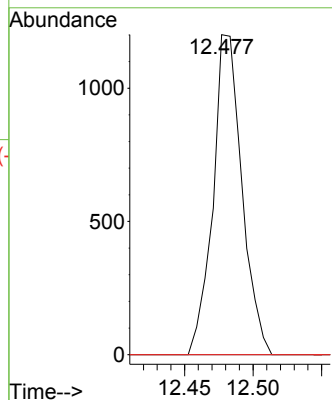
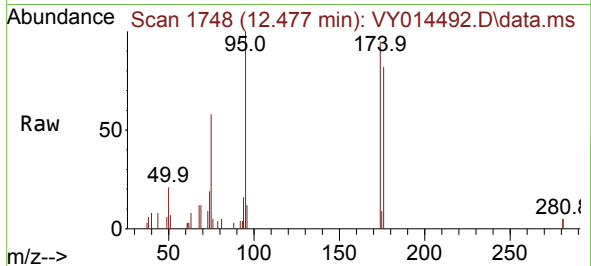




#81
trans-1,4-Dichloro-2-butene
Concen: 79.535 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

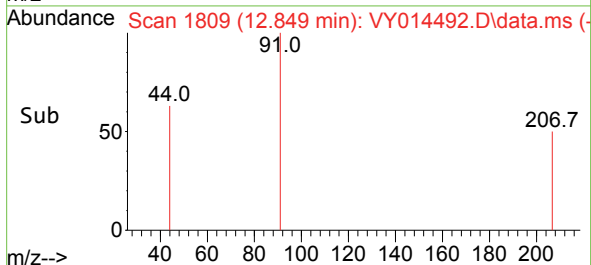
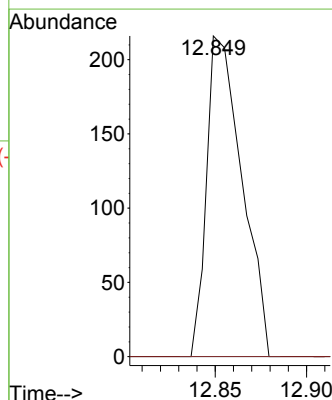
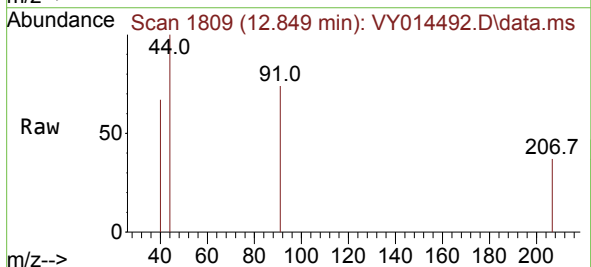
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

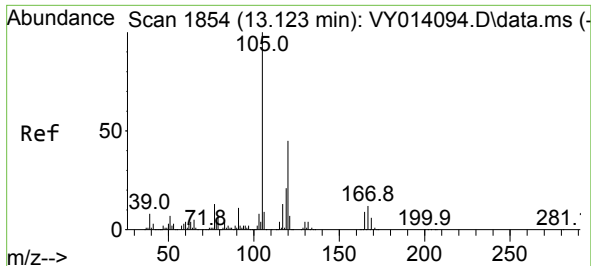
Tgt Ion: 75 Resp: 1763
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 1.464 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion: 91 Resp: 291
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#

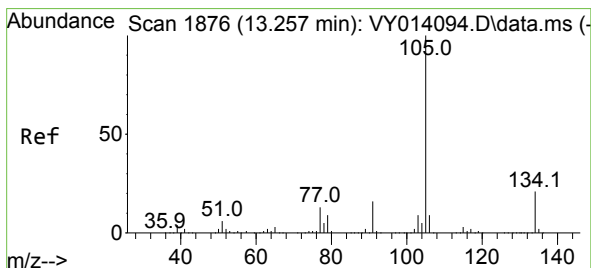
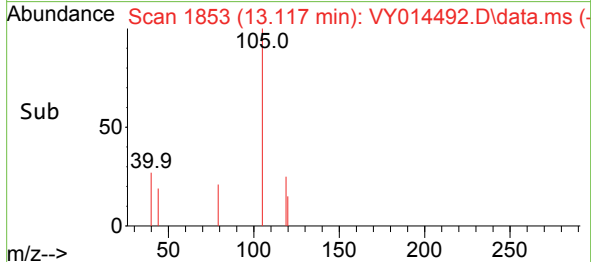
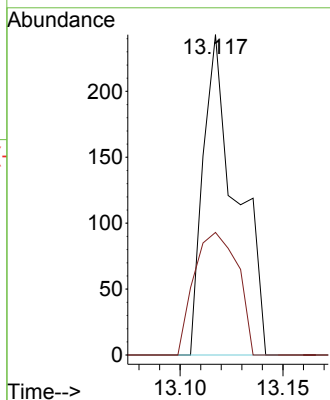
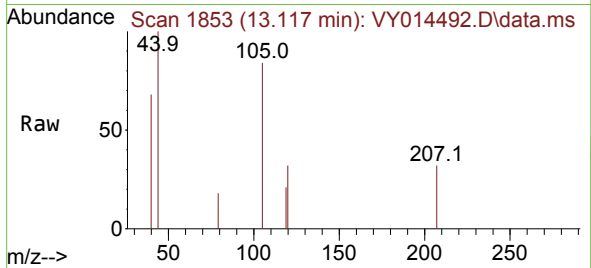




#84
1,2,4-Trimethylbenzene
Concen: 1.180 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

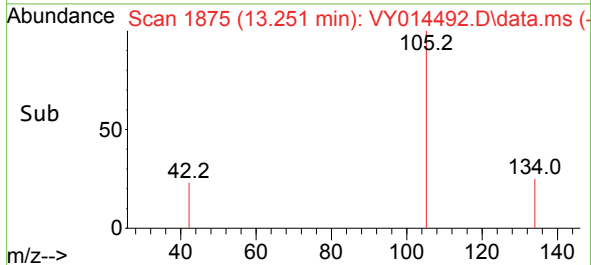
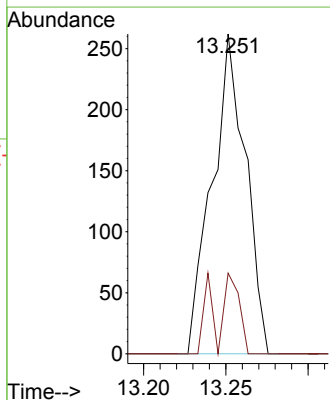
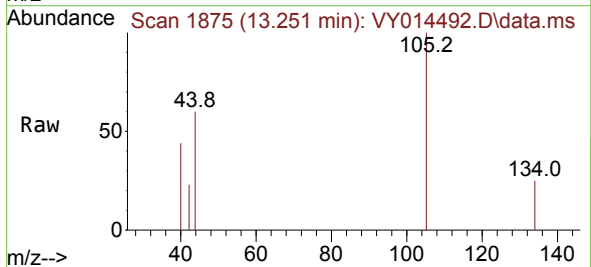
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

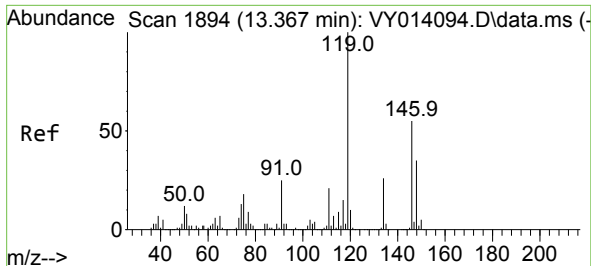
Tgt Ion:105 Resp: 274
Ion Ratio Lower Upper
105 100
120 50.0 22.2 66.6



#85
sec-Butylbenzene
Concen: 1.280 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion:105 Resp: 372
Ion Ratio Lower Upper
105 100
134 11.3 10.2 30.6

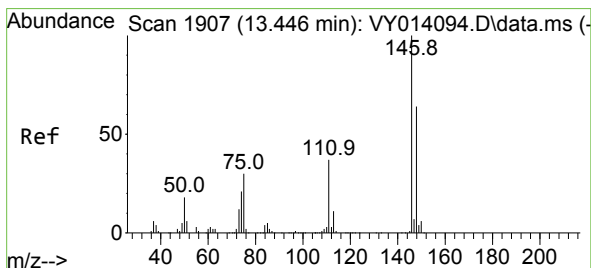
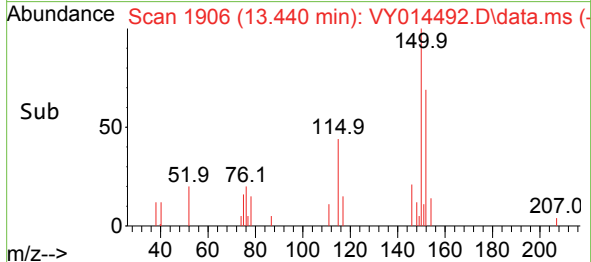
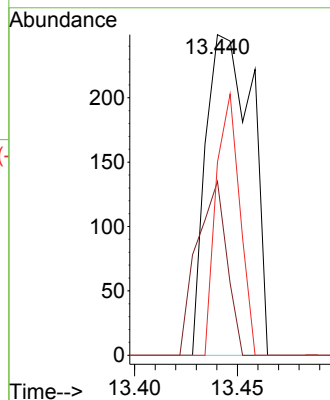
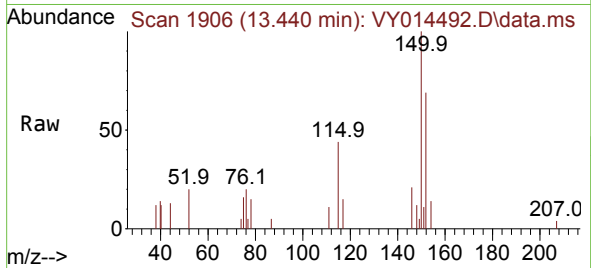




#87
 1,3-Dichlorobenzene
 Concen: 2.856 ug/l
 RT: 13.440 min Scan# 1906
 Delta R.T. 0.073 min
 Lab File: VY014492.D
 Acq: 29 Jun 2023 11:45

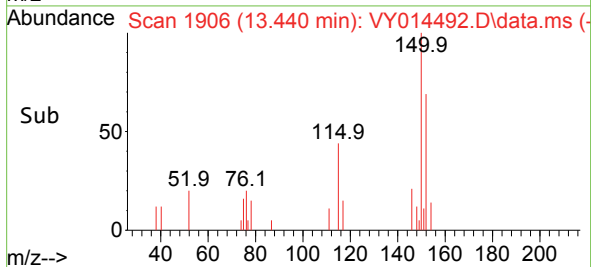
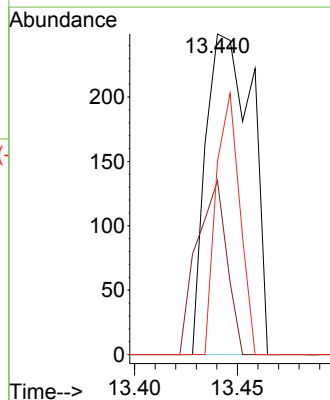
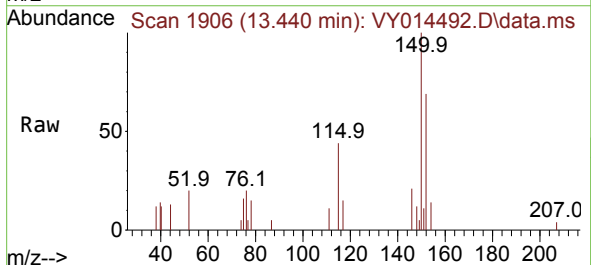
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-62823RE

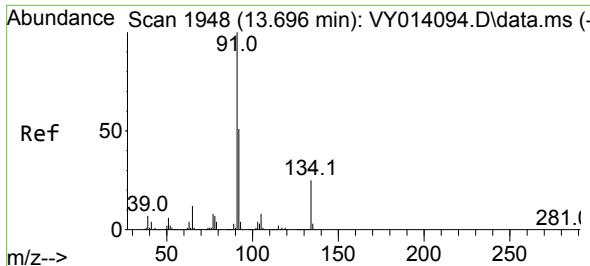
Tgt Ion:146	Resp:	388
Ion Ratio	Lower	Upper
146	100	
111	35.3	19.4 58.2
148	41.8	31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 2.841 ug/l
 RT: 13.440 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY014492.D
 Acq: 29 Jun 2023 11:45

Tgt Ion:146	Resp:	388
Ion Ratio	Lower	Upper
146	100	
111	35.3	18.9 56.7
148	41.8	32.1 96.5

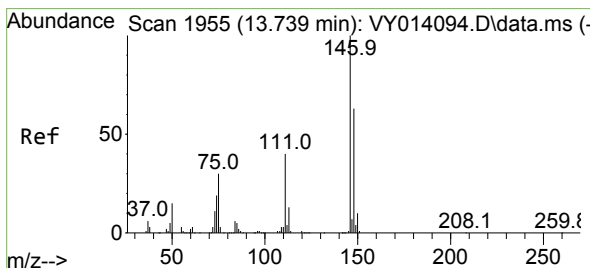
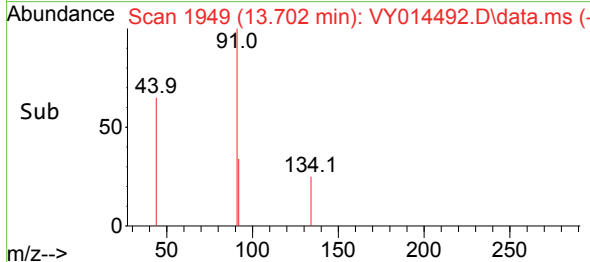
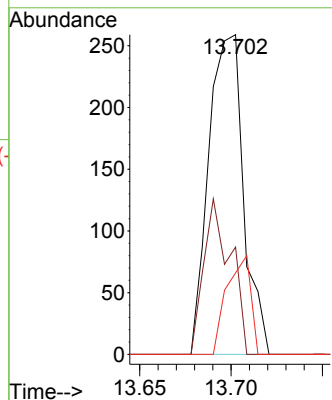
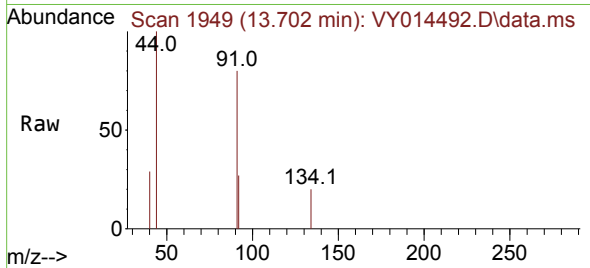




#89
n-Butylbenzene
Concen: 1.492 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

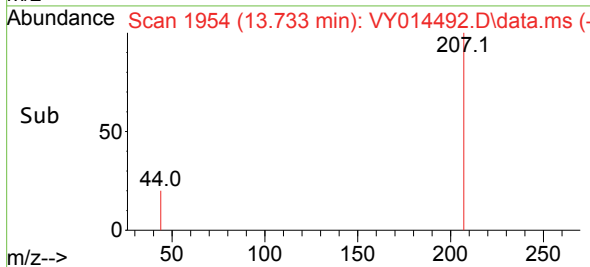
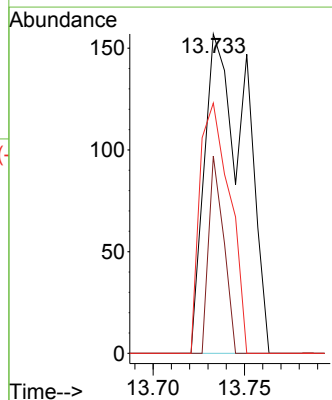
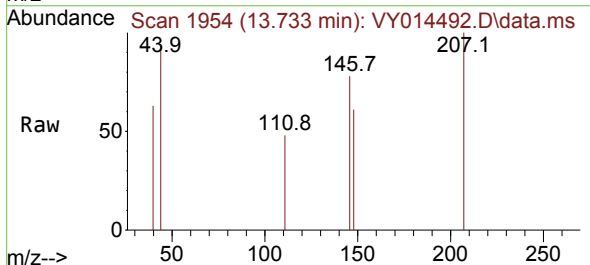
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-62823RE

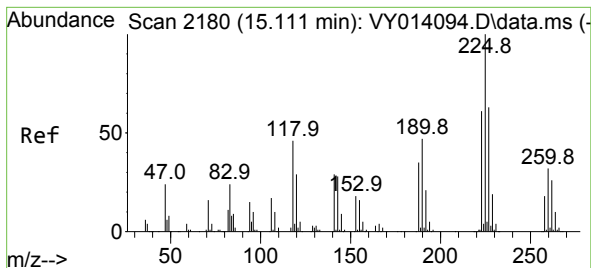
Tgt Ion: 91	Resp:	343
Ion	Ratio	Lower Upper
91	100	
92	37.6	25.4 76.0
134	21.0	12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 1.967 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VY014492.D
Acq: 29 Jun 2023 11:45

Tgt Ion: 146	Resp:	244
Ion	Ratio	Lower Upper
146	100	
111	22.5	19.7 59.0
148	57.4	32.0 96.2





#94

Hexachlorobutadiene

Concen: 2.645 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014492.D

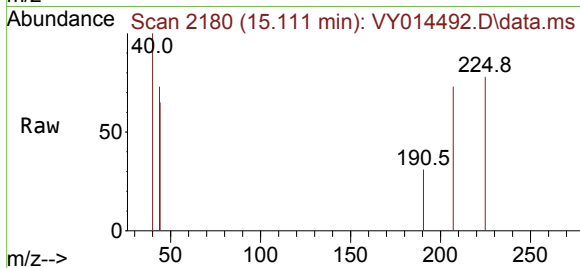
Acq: 29 Jun 2023 11:45

Instrument :

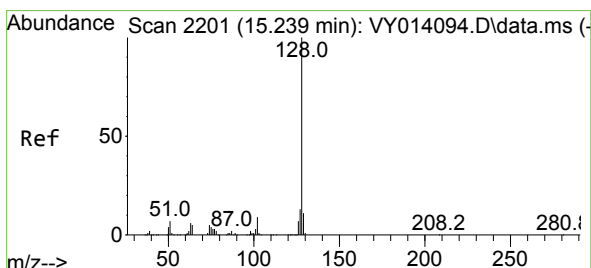
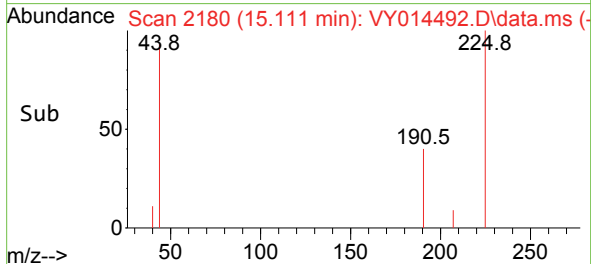
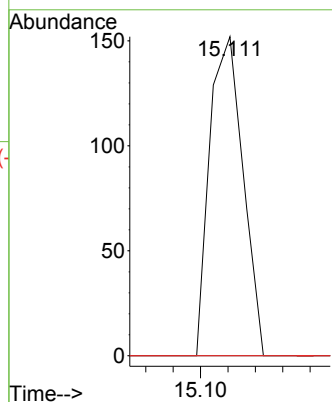
MSVOA_Y

ClientSampleId :

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Tgt Ion:	225	Resp:	128
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.9	95.9#
227	0.0	33.0	98.9#



#95

Naphthalene

Concen: 3.209 ug/l

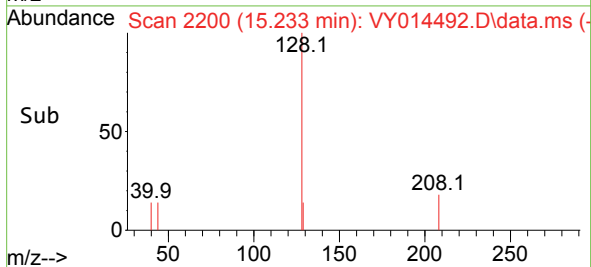
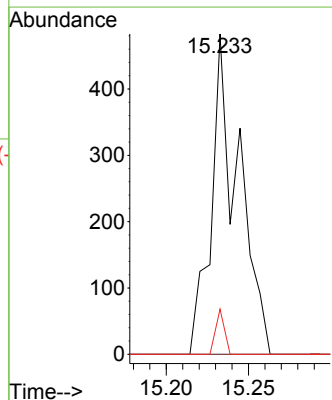
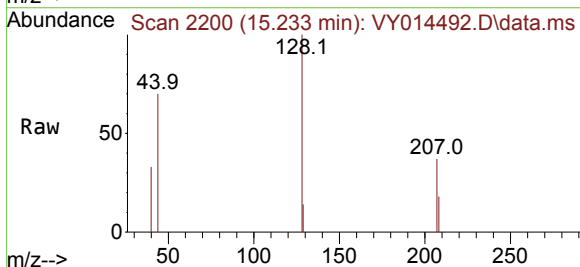
RT: 15.233 min Scan# 2200

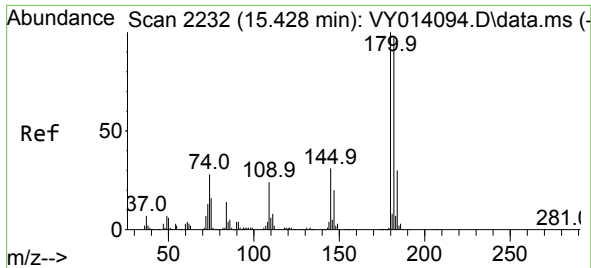
Delta R.T. -0.006 min

Lab File: VY014492.D

Acq: 29 Jun 2023 11:45

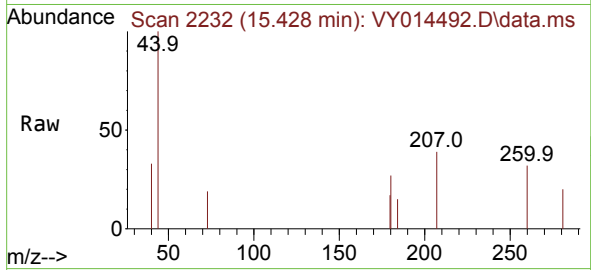
Tgt Ion:	128	Resp:	556
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	4.5	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.135 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014492.D
 Acq: 29 Jun 2023 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-62823RE



Tgt Ion:180 Resp: 230
 Ion Ratio Lower Upper
 180 100
 182 42.6 47.3 141.8#
 145 0.0 15.4 46.2#

