

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014493.D
 Acq On : 29 Jun 2023 12:08
 Operator : KP/MD
 Sample : 03434-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2665RE

Quant Time: Jun 30 04:08:33 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)

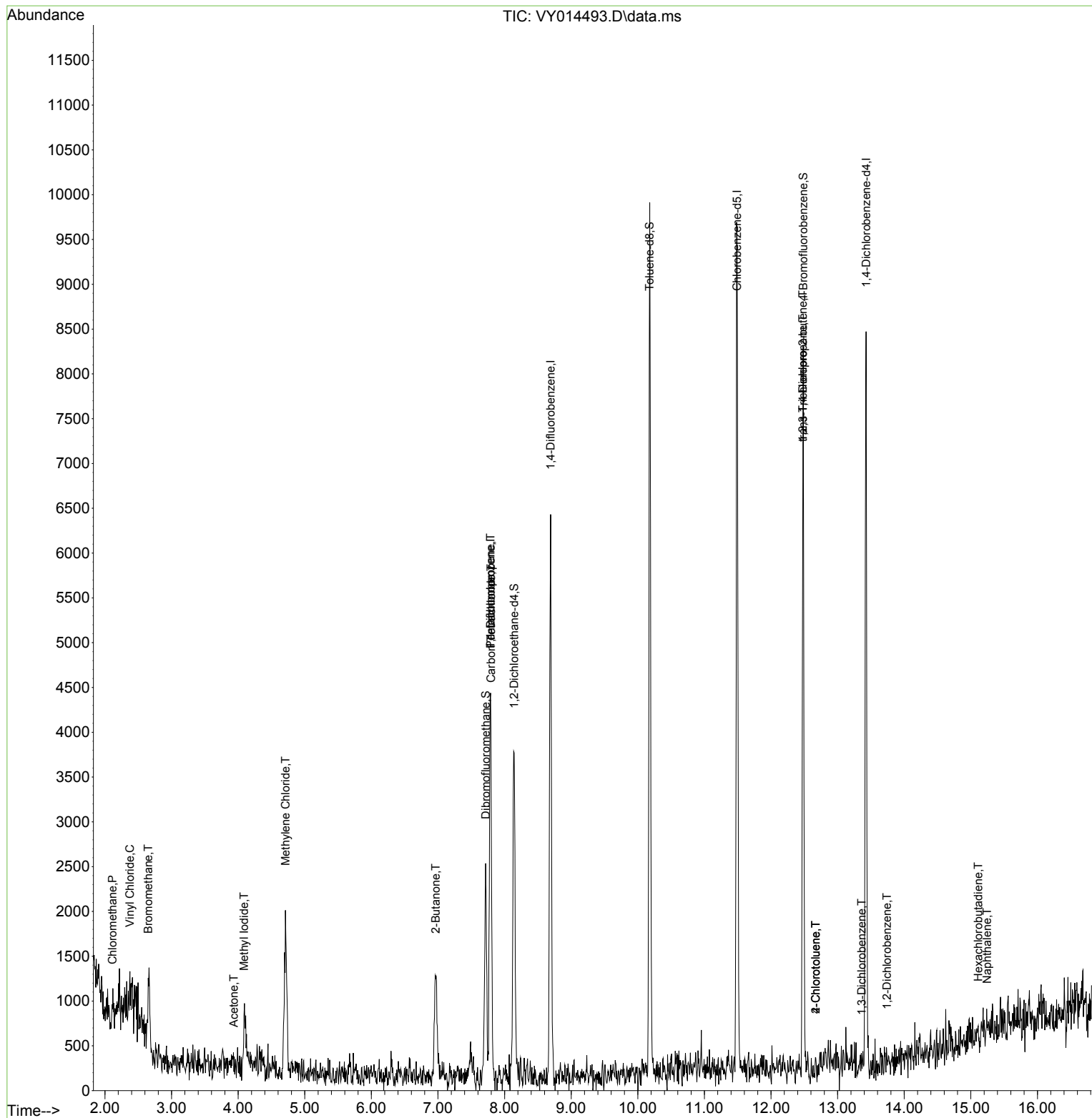
Internal Standards						
1) Pentafluorobenzene	7.789	168	3790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3767	80.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	160.100%
35) Dibromofluoromethane	7.716	113	1653	43.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.060%
50) Toluene-d8	10.179	98	6688	43.796	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.600%
62) 4-Bromofluorobenzene	12.483	95	2121	38.905	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.800%
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	202	5.867	ug/l #	43
4) Vinyl Chloride	2.375	62	192	5.117	ug/l #	44
5) Bromomethane	2.650	94	438	13.285	ug/l #	67
10) Methyl Iodide	4.088	142	506	13.181	ug/l #	57
16) Acetone	3.936	43	20	1.351	ug/l #	46
20) Methylene Chloride	4.710	84	1306	28.108	ug/l #	77
25) 2-Butanone	6.966	43	38	2.060	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	230	3.885	ug/l #	41
38) Carbon Tetrachloride	7.795	117	227	3.047	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	1452	45.951	ug/l #	100
79) 2-Chlorotoluene	12.672	91	125	1.070	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.477	75	1452	104.615	ug/l #	10
82) 4-Chlorotoluene	12.672	91	125	1.004	ug/l #	40
87) 1,3-Dichlorobenzene	13.361	146	135	1.587	ug/l #	25
91) 1,2-Dichlorobenzene	13.739	146	83	1.069	ug/l #	25
94) Hexachlorobutadiene	15.111	225	48	1.584	ug/l #	18
95) Naphthalene	15.245	128	113	1.042	ug/l #	69

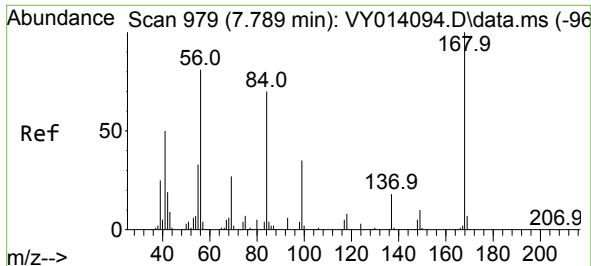
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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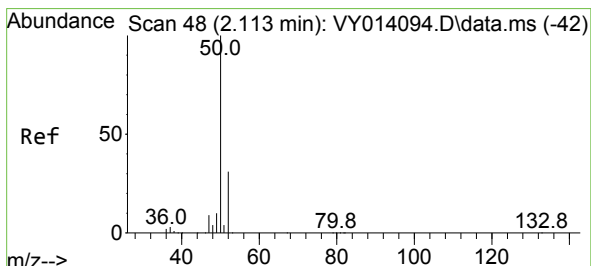
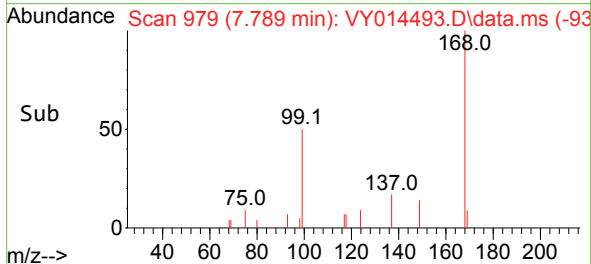
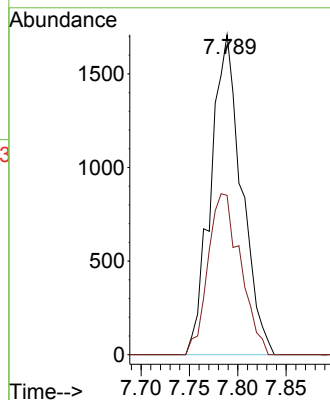
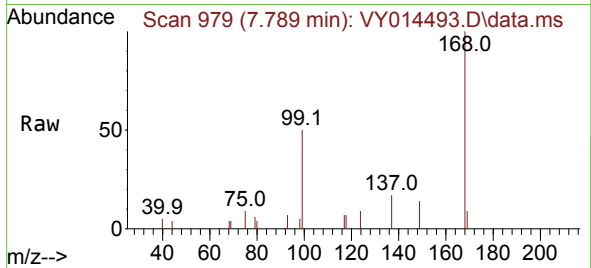




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

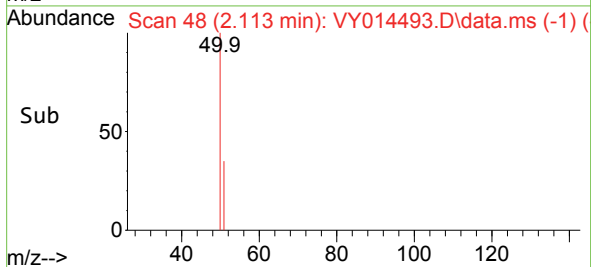
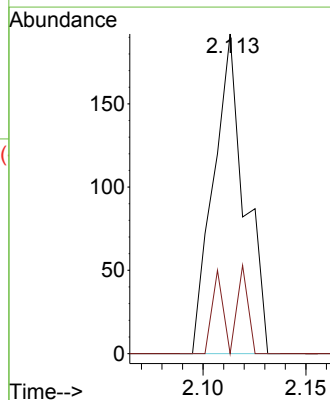
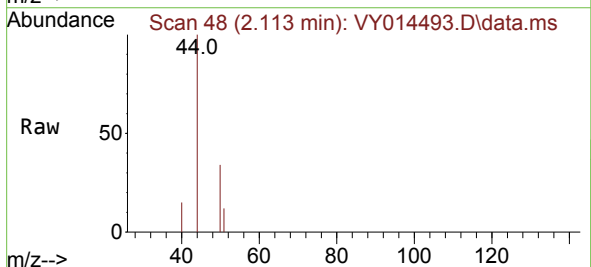
Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

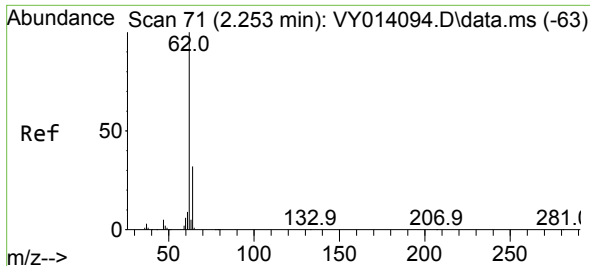
Tgt Ion:168 Resp: 3790
Ion Ratio Lower Upper
168 100
99 49.8 43.4 65.0



#3
Chloromethane
Concen: 5.867 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

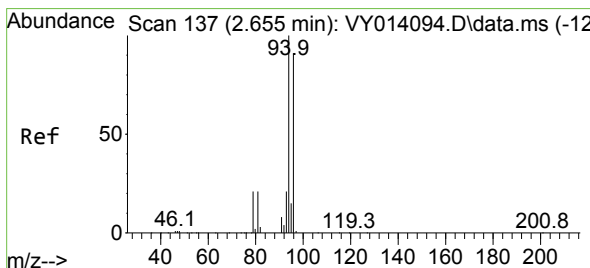
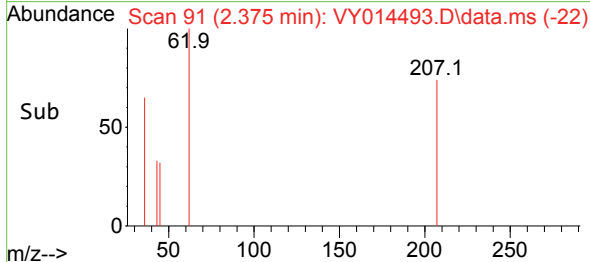
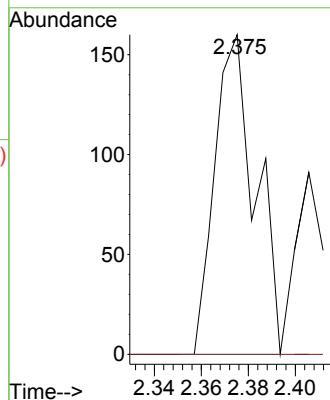
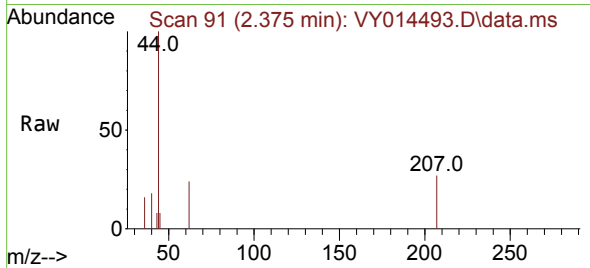




#4
 Vinyl Chloride
 Concen: 5.117 ug/l
 RT: 2.375 min Scan# 91
 Delta R.T. 0.122 min
 Lab File: VY014493.D
 Acq: 29 Jun 2023 12:08

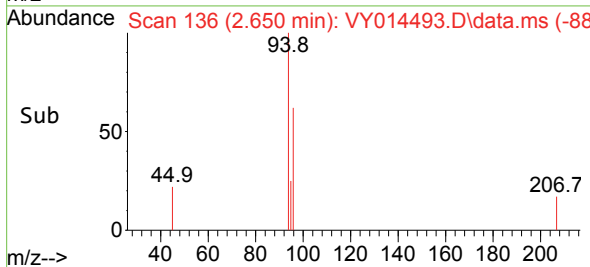
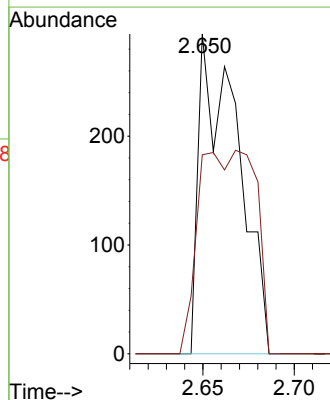
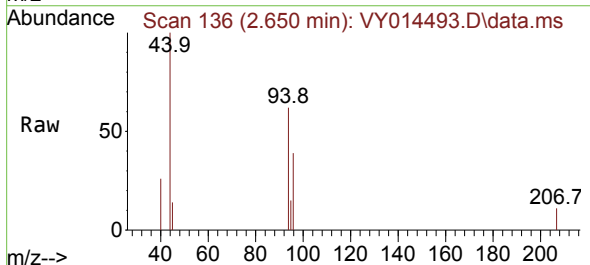
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2665RE

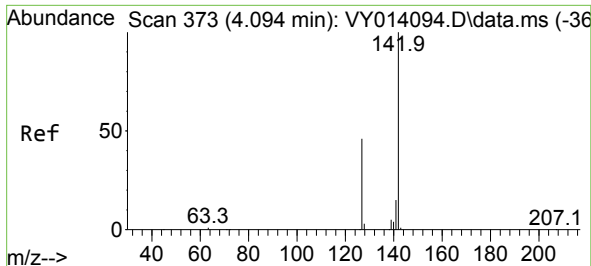
Tgt Ion: 62 Resp: 192
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 13.285 ug/l
 RT: 2.650 min Scan# 136
 Delta R.T. -0.005 min
 Lab File: VY014493.D
 Acq: 29 Jun 2023 12:08

Tgt Ion: 94 Resp: 438
 Ion Ratio Lower Upper
 94 100
 96 62.2 75.8 113.6#

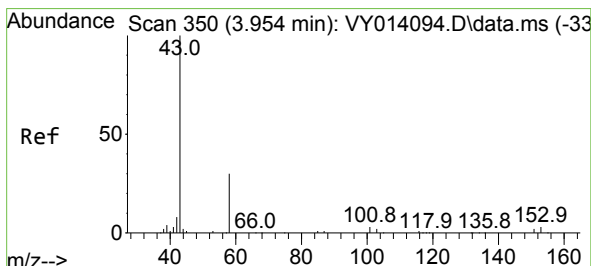
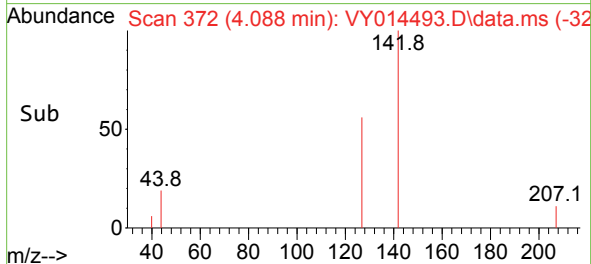
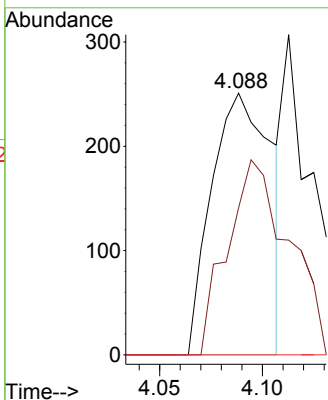
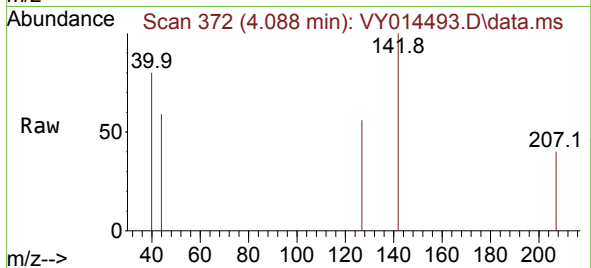




#10
Methyl Iodide
Concen: 13.181 ug/l
RT: 4.088 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

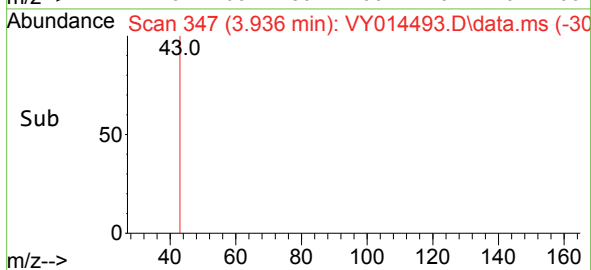
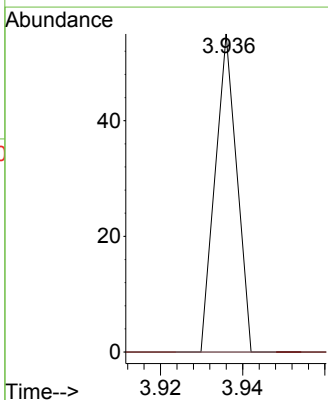
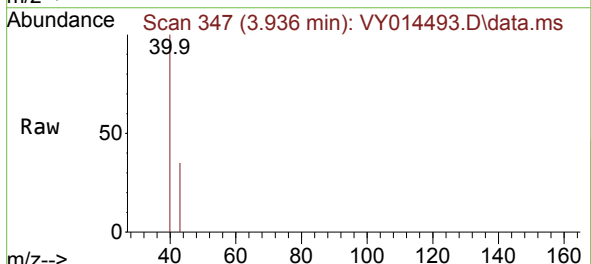
Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

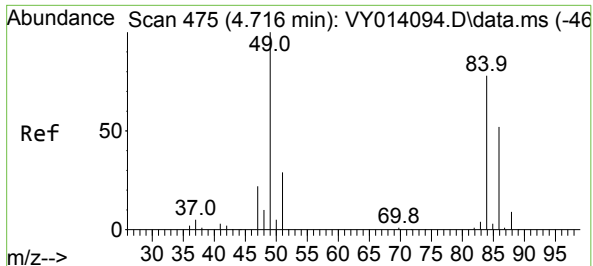
Tgt Ion:142 Resp: 506
Ion Ratio Lower Upper
142 100
127 77.1 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.351 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.018 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

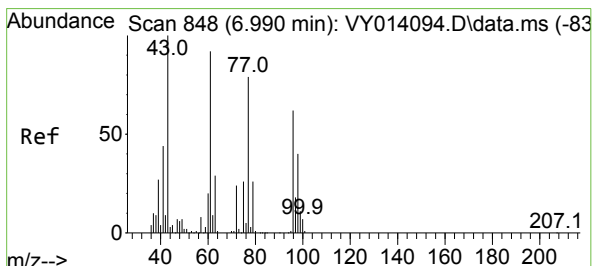
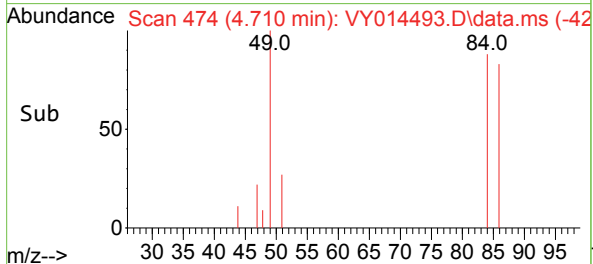
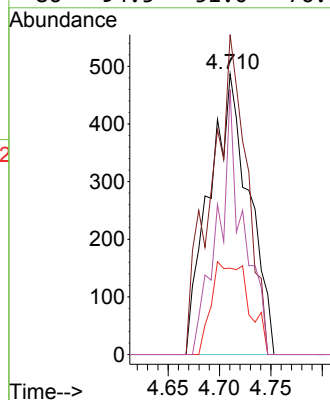
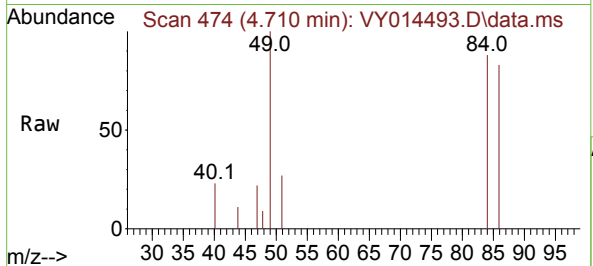




#20
Methylene Chloride
Concen: 28.108 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

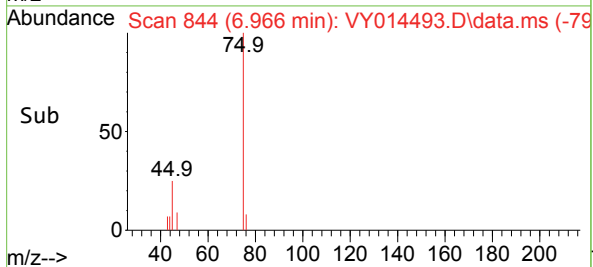
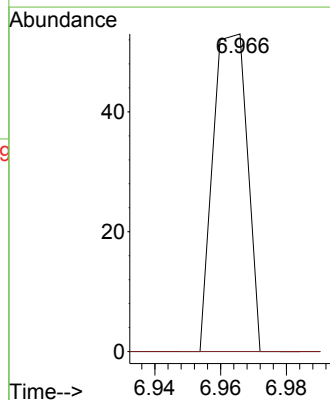
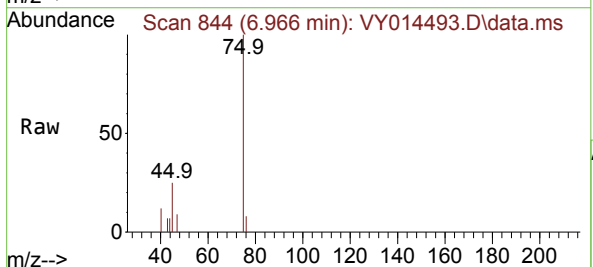
Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

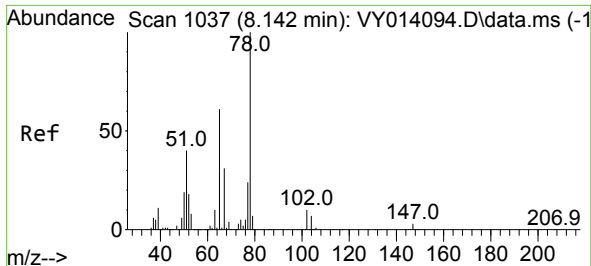
Tgt Ion:	84	Resp:	1306
Ion	Ratio	Lower	Upper
84	100		
49	114.0	106.9	160.3
51	30.8	33.2	49.8#
86	94.5	51.0	76.6#



#25
2-Butanone
Concen: 2.060 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.024 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion:	43	Resp:	38
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 80.053 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014493.D

Acq: 29 Jun 2023 12:08

Instrument :

MSVOA_Y

ClientSampleId :

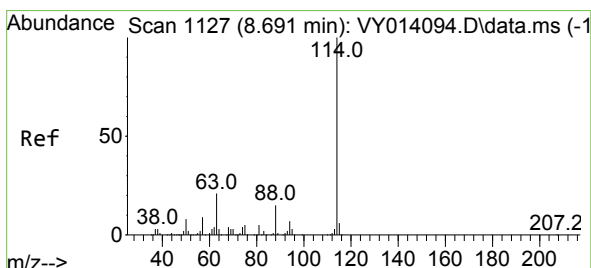
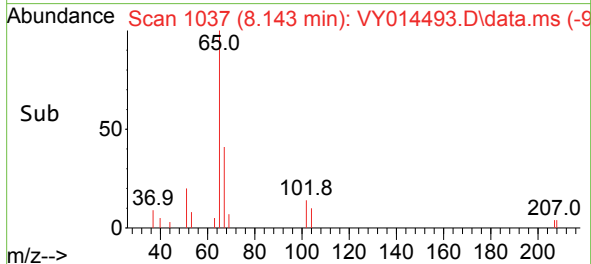
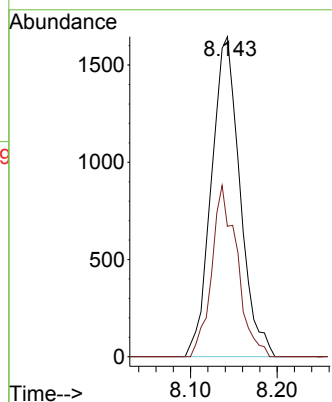
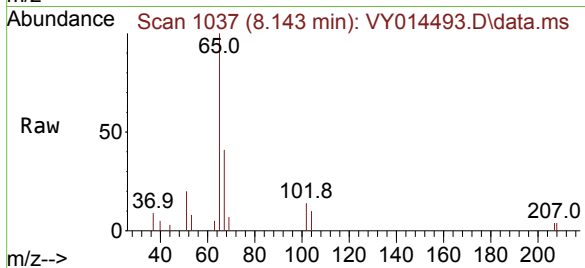
RT2665RE

Tgt Ion: 65 Resp: 3767

Ion Ratio Lower Upper

65 100

67 47.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014493.D

Acq: 29 Jun 2023 12:08

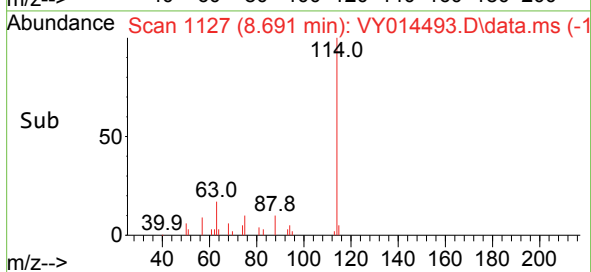
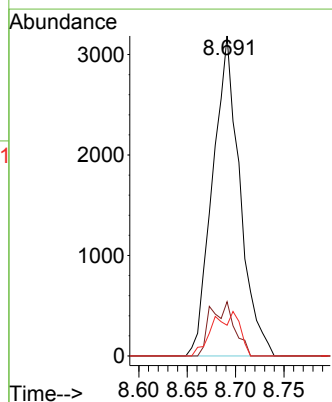
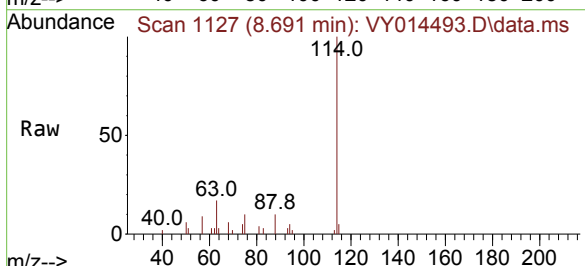
Tgt Ion: 114 Resp: 6218

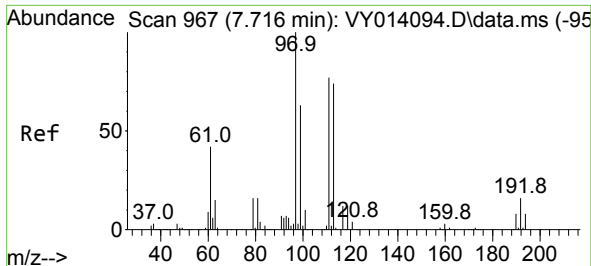
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 9.6 0.0 30.6

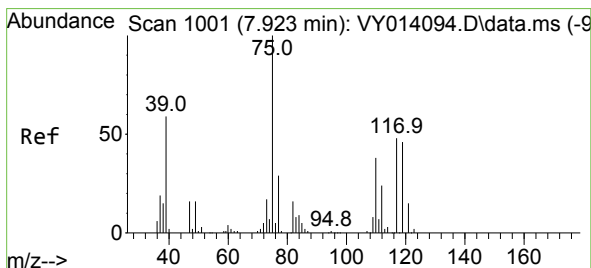
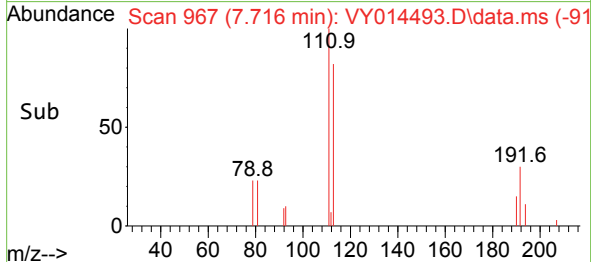
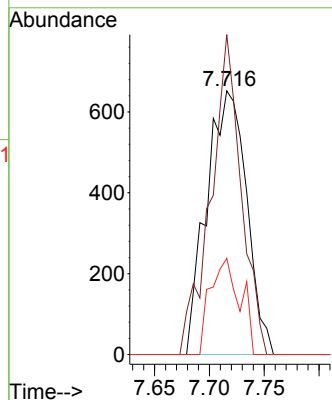
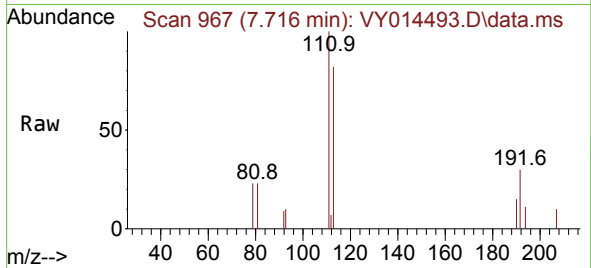




#35
Dibromofluoromethane
Concen: 43.029 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

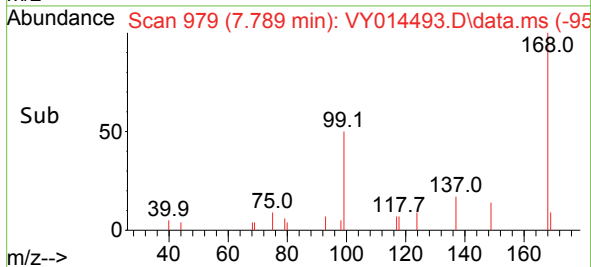
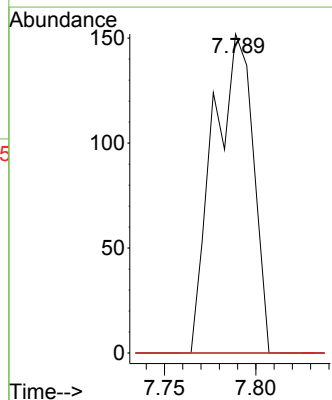
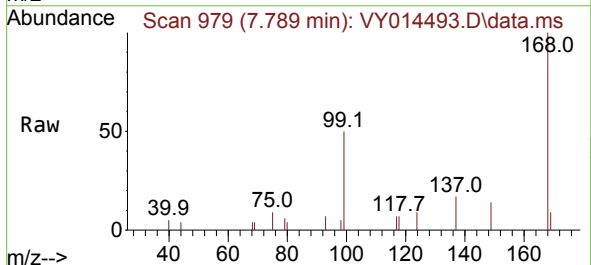
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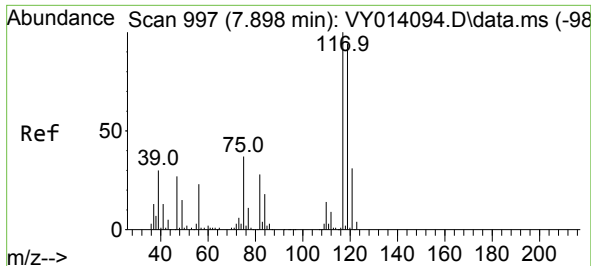
Tgt Ion:113 Resp: 1653
Ion Ratio Lower Upper
113 100
111 92.4 81.3 121.9
192 27.2 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 3.885 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion: 75 Resp: 230
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

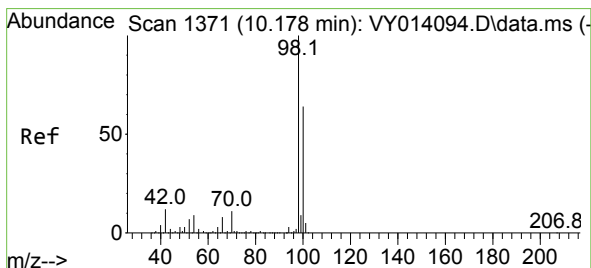
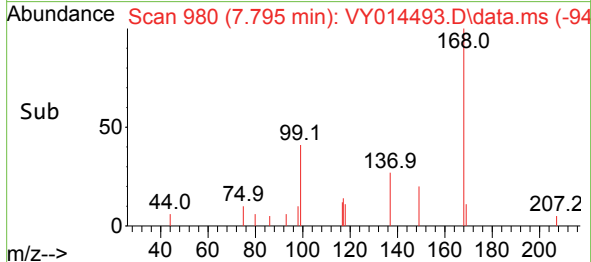
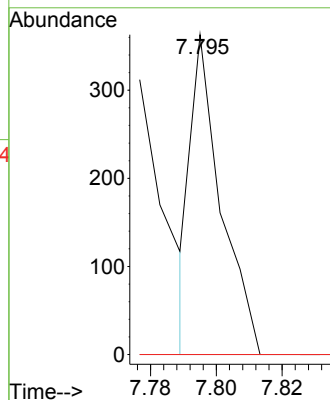
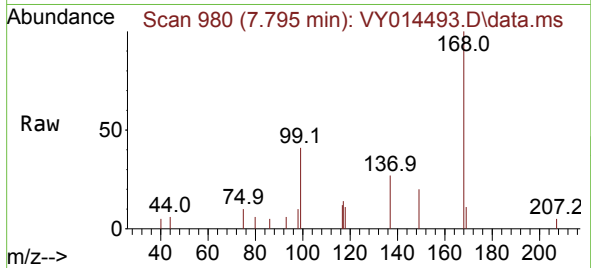




#38
Carbon Tetrachloride
Concen: 3.047 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

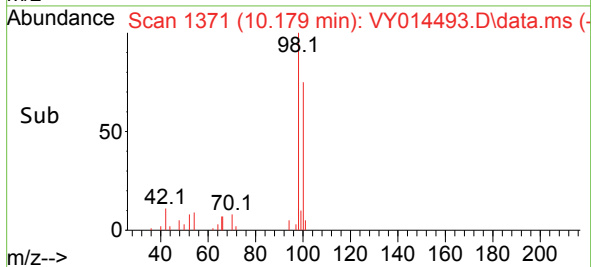
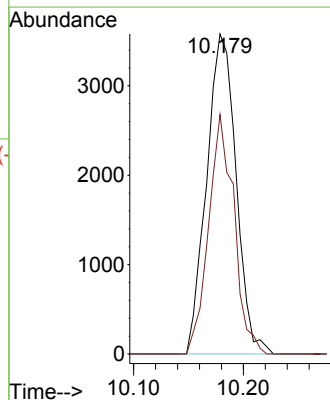
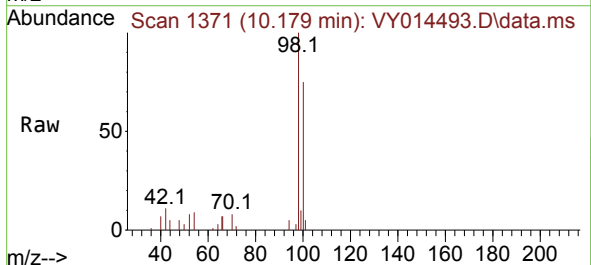
Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

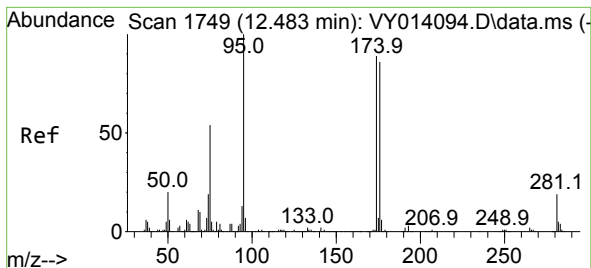
Tgt Ion:117 Resp: 227
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 43.796 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion: 98 Resp: 6688
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1

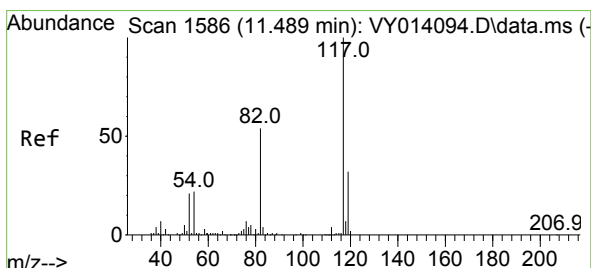
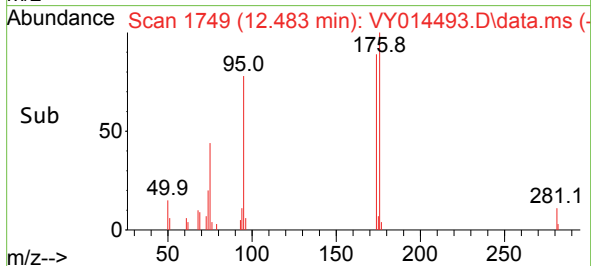
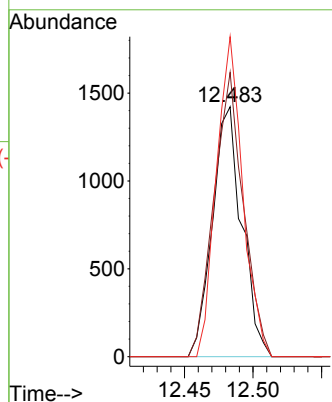
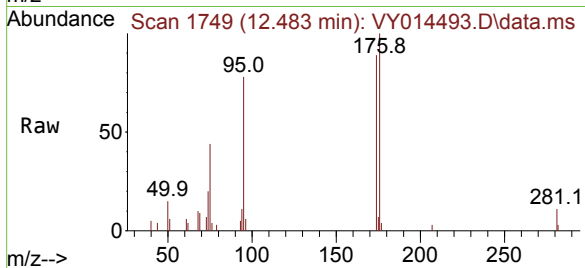




#62
4-Bromofluorobenzene
Concen: 38.905 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

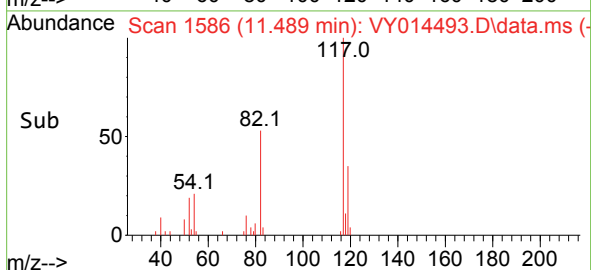
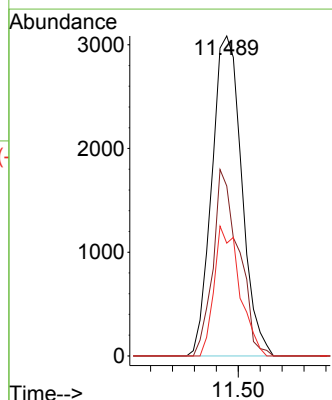
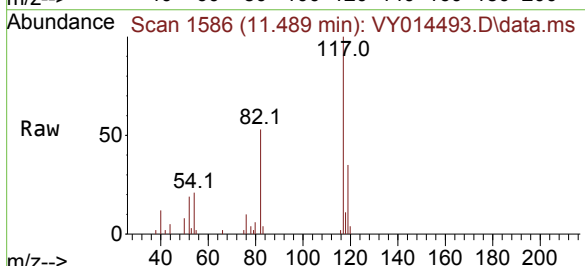
Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

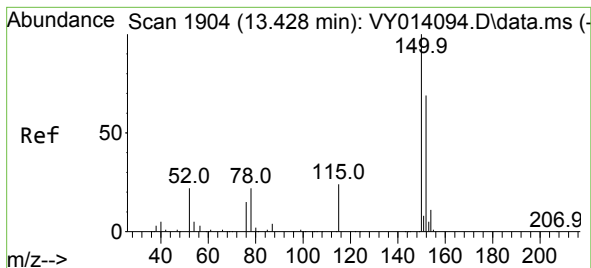
Tgt Ion:	95	Resp:	2121
Ion	Ratio	Lower	Upper
95	100		
174	114.0	0.0	178.2
176	114.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion:	117	Resp:	5829
Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.4	65.0
119	35.2	26.3	39.5

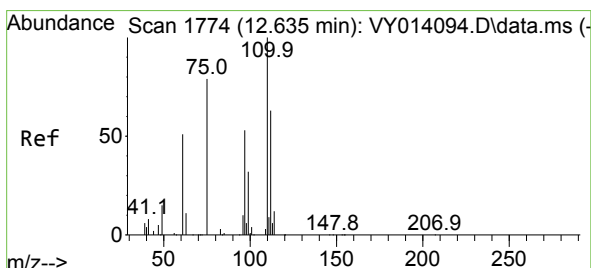
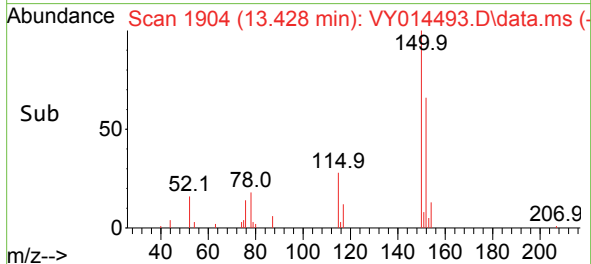
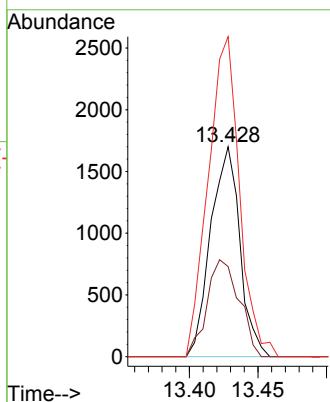
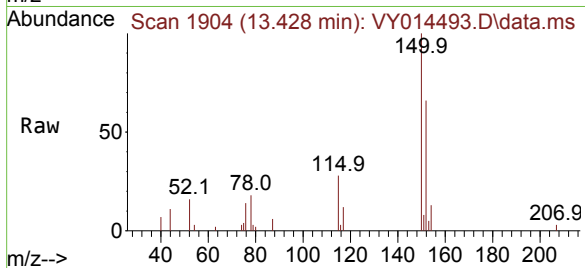




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY014493.D
 Acq: 29 Jun 2023 12:08

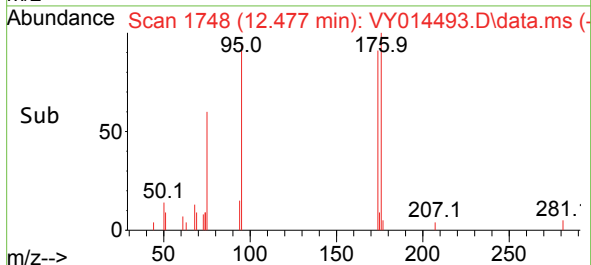
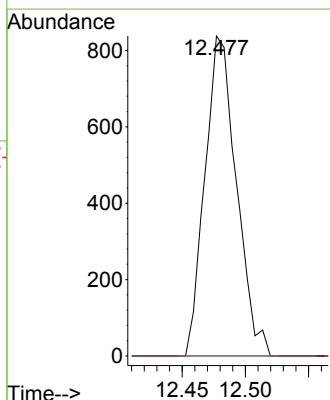
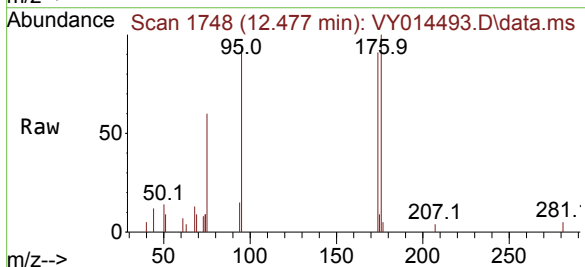
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2665RE

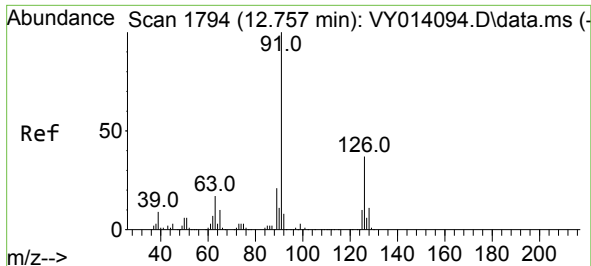
Tgt Ion:152 Resp: 2519
 Ion Ratio Lower Upper
 152 100
 115 50.9 28.8 86.5
 150 162.8 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 45.951 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014493.D
 Acq: 29 Jun 2023 12:08

Tgt Ion: 75 Resp: 1452
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

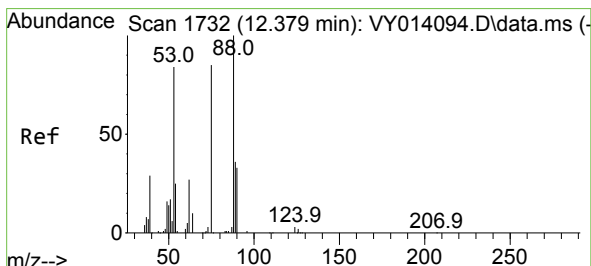
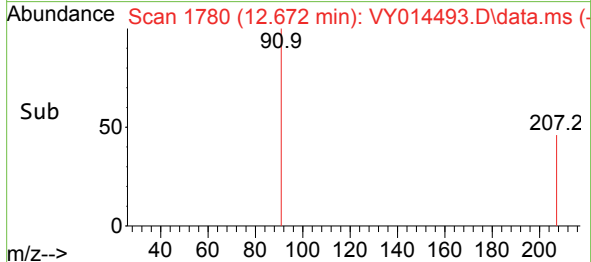
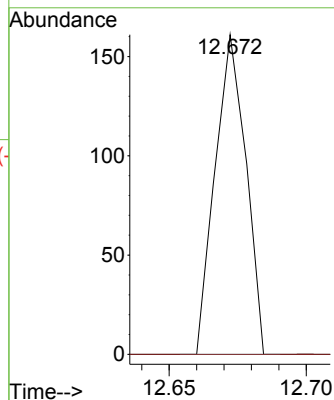
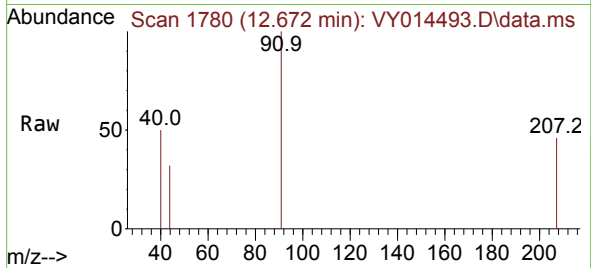




#79
2-Chlorotoluene
Concen: 1.070 ug/l
RT: 12.672 min Scan# 11
Delta R.T. -0.085 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

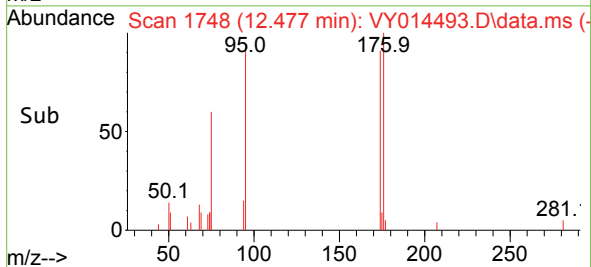
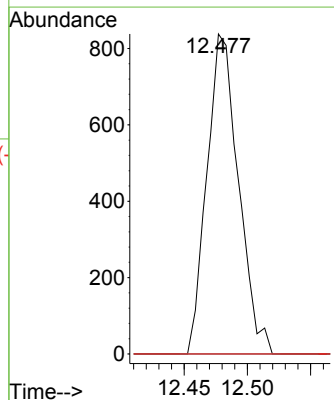
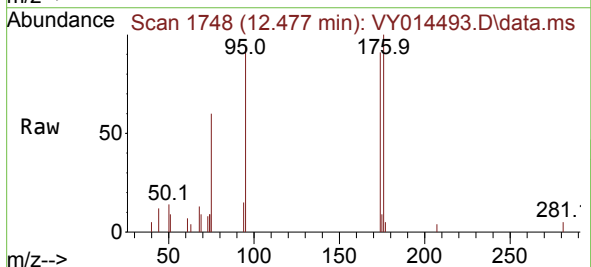
Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

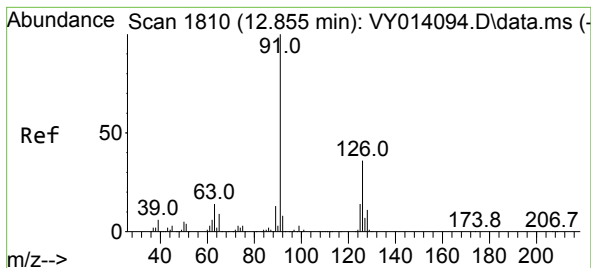
Tgt Ion: 91 Resp: 125
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.615 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion: 75 Resp: 1452
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#82

4-Chlorotoluene

Concen: 1.004 ug/l

RT: 12.672 min Scan# 11

Delta R.T. -0.183 min

Lab File: VY014493.D

Acq: 29 Jun 2023 12:08

Instrument :

MSVOA_Y

ClientSampleId :

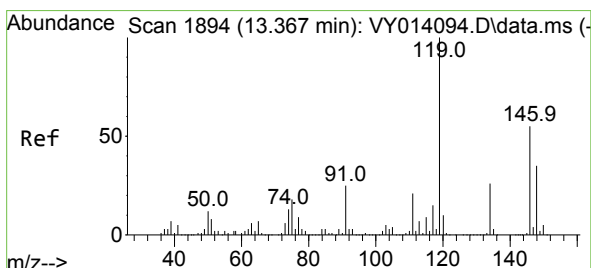
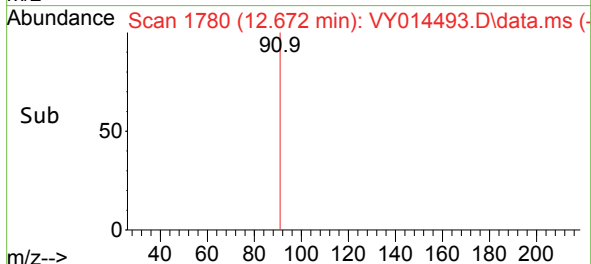
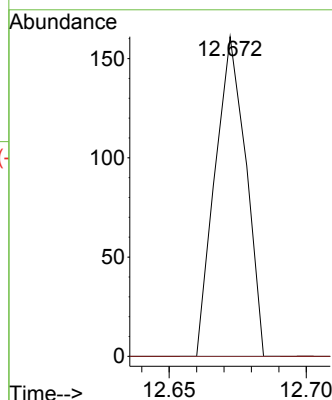
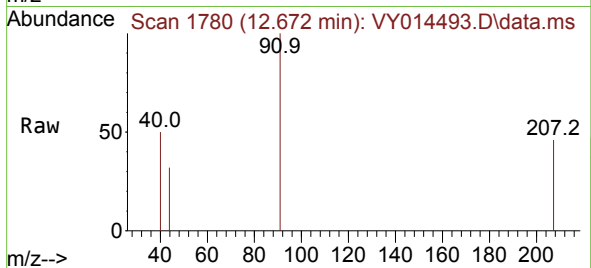
RT2665RE

Tgt Ion: 91 Resp: 125

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#87

1,3-Dichlorobenzene

Concen: 1.587 ug/l

RT: 13.361 min Scan# 1893

Delta R.T. -0.006 min

Lab File: VY014493.D

Acq: 29 Jun 2023 12:08

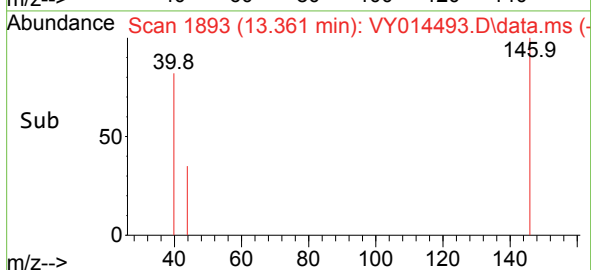
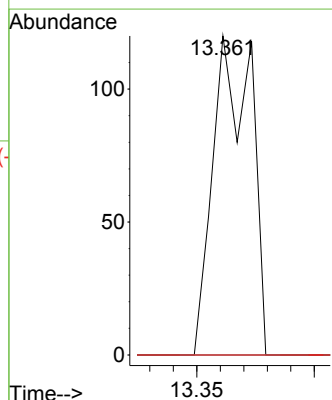
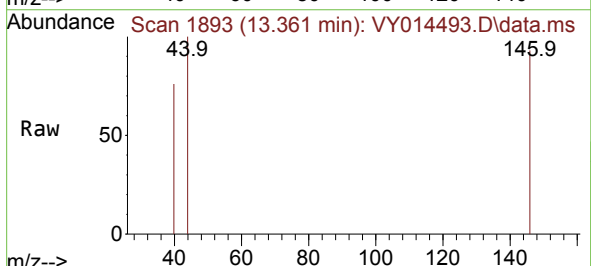
Tgt Ion: 146 Resp: 135

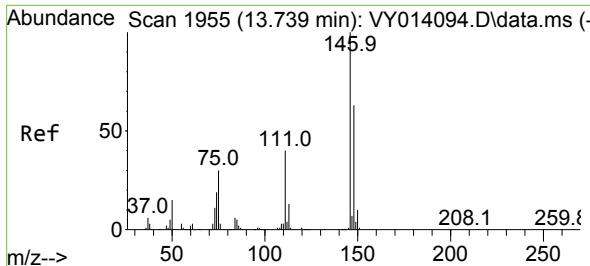
Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.2#

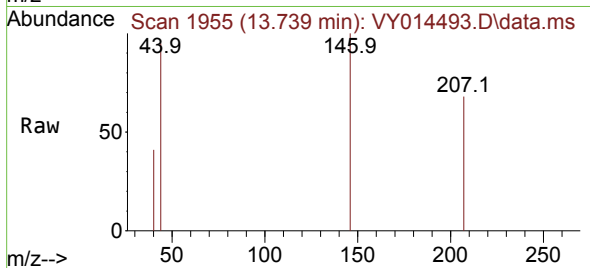
148 0.0 31.9 95.5#



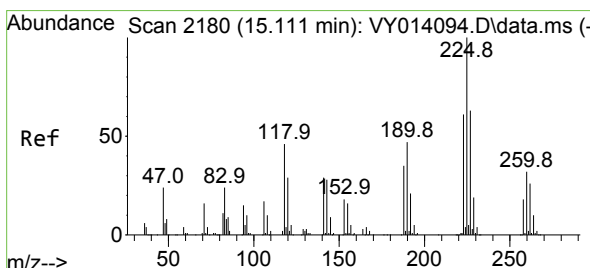
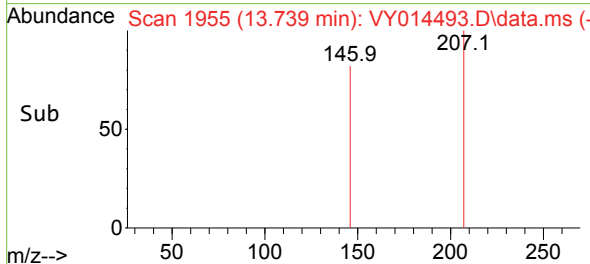
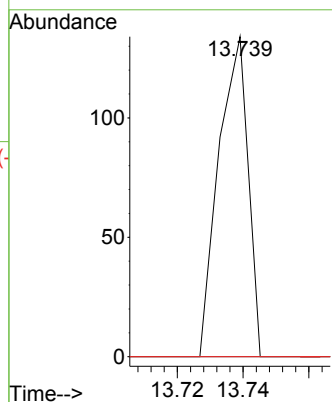


#91
1,2-Dichlorobenzene
Concen: 1.069 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

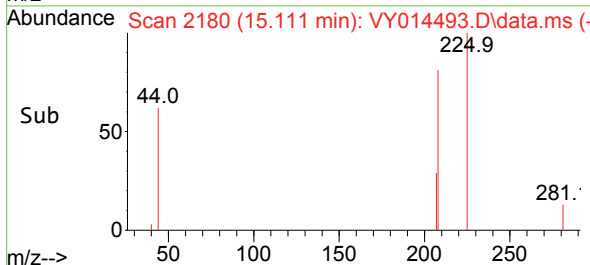
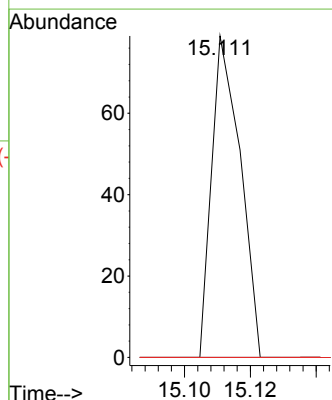
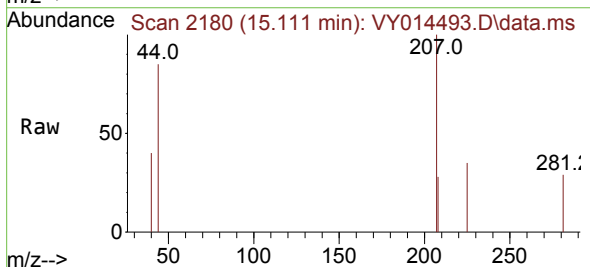


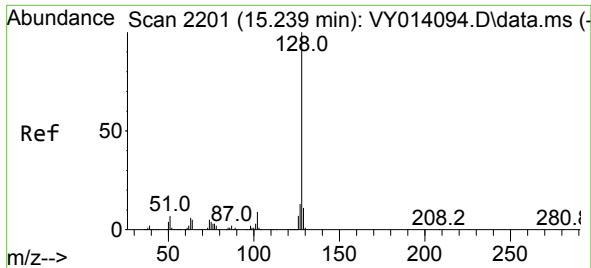
Tgt Ion:146 Resp: 83
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 0.0 32.0 96.2#



#94
Hexachlorobutadiene
Concen: 1.584 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Tgt Ion:225 Resp: 48
Ion Ratio Lower Upper
225 100
223 0.0 31.9 95.9#
227 0.0 33.0 98.9#





#95
Naphthalene
Concen: 1.042 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY014493.D
Acq: 29 Jun 2023 12:08

Instrument :
MSVOA_Y
ClientSampleId :
RT2665RE

Tgt Ion:128 Resp: 113
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

