

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014442.D
 Acq On : 26 Jun 2023 18:24
 Operator : KP/MD
 Sample : 03375-05
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2(8-10)MS

Quant Time: Jun 27 01:50:38 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)

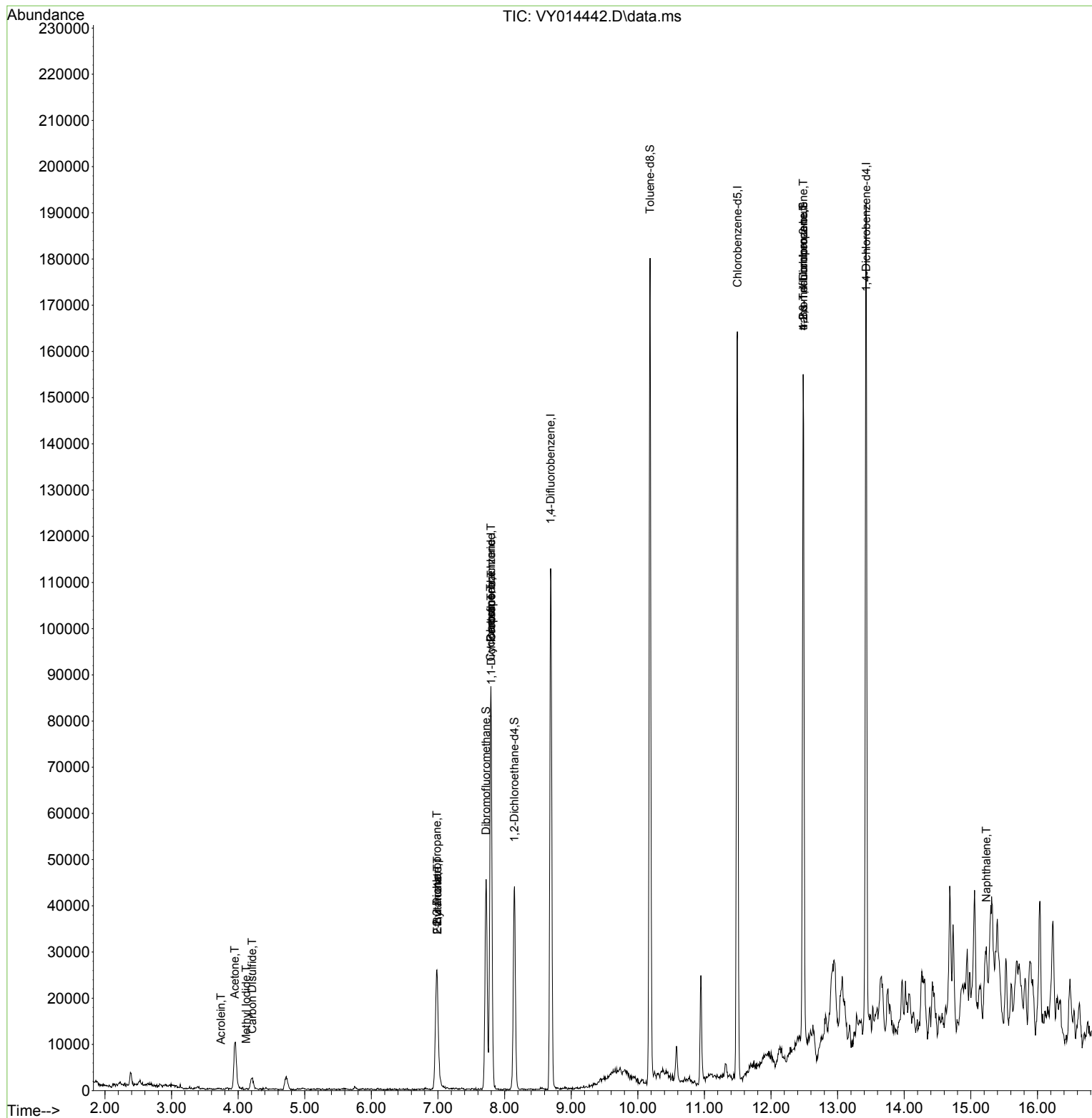
Internal Standards						
1) Pentafluorobenzene	7.795	168	68254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	98875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	90364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	38465	45.390	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.780%
35) Dibromofluoromethane	7.721	113	29802	48.786	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.580%
50) Toluene-d8	10.184	98	116847	48.119	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.483	95	38338	44.224	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.440%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.118	142	26	2.904	ug/l #	38
11) Tert butyl alcohol	4.972	59	531	Below Cal	#	89
13) Acrolein	3.740	56	48	4.766	ug/l #	59
16) Acetone	3.948	43	18849	70.686	ug/l	90
17) Carbon Disulfide	4.210	76	2284	1.174	ug/l	98
20) Methylene Chloride	4.716	84	2380	Below Cal	#	84
25) 2-Butanone	6.990	43	5539	16.677	ug/l	93
26) 2,2-Dichloropropane	6.984	77	2084	1.663	ug/l #	54
31) Cyclohexane	7.789	56	1571	1.501	ug/l #	44
36) 1,1-Dichloropropene	7.801	75	5003	5.315	ug/l #	50
37) Ethyl Acetate	6.990	43	5539	8.538	ug/l #	78
38) Carbon Tetrachloride	7.795	117	7165	6.048	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	21686	36.432	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	21686	82.944	ug/l #	12
95) Naphthalene	15.232	128	8592	4.205	ug/l #	83

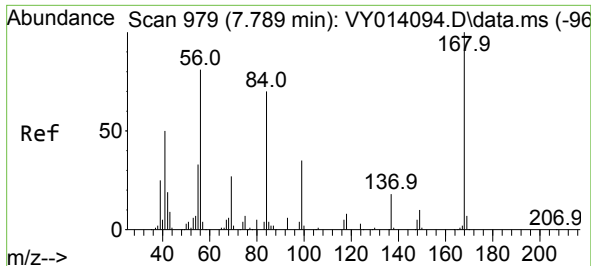
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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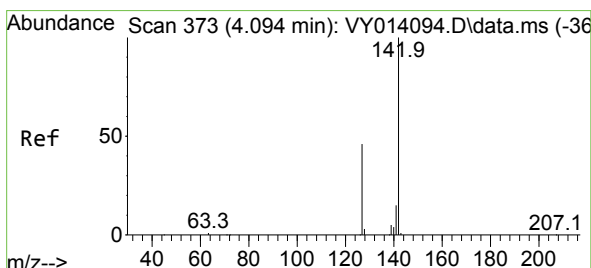
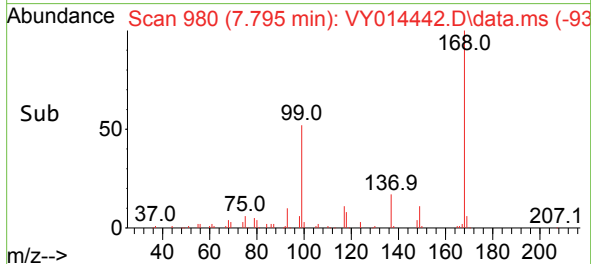
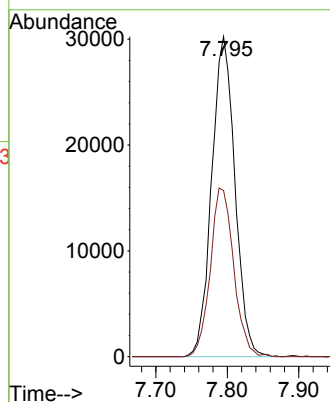
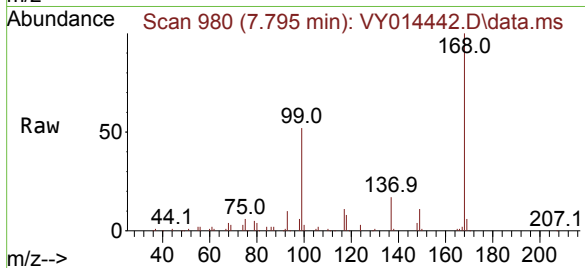




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

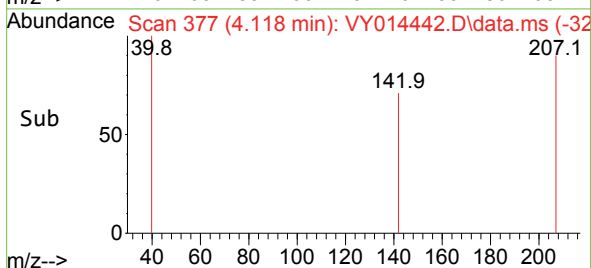
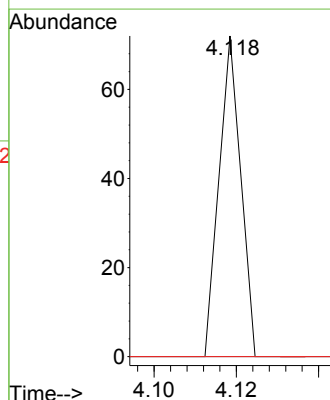
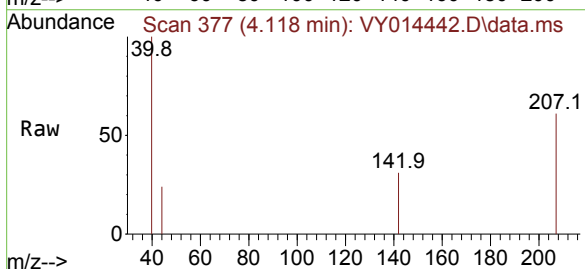
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MS

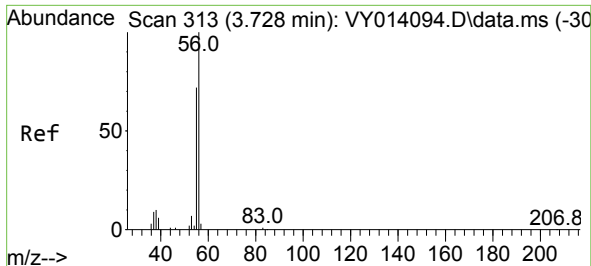
Tgt Ion:168 Resp: 68254
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.904 ug/l
RT: 4.118 min Scan# 377
Delta R.T. 0.024 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion:142 Resp: 26
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#13

Acrolein

Concen: 4.766 ug/l

RT: 3.740 min Scan# 313

Delta R.T. 0.012 min

Lab File: VY014442.D

Acq: 26 Jun 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

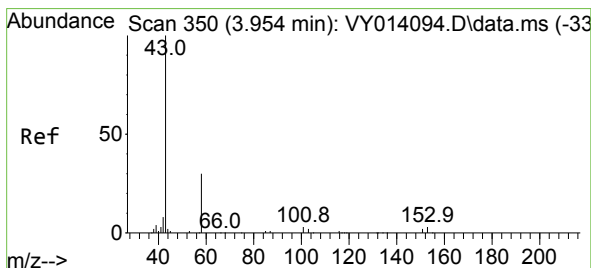
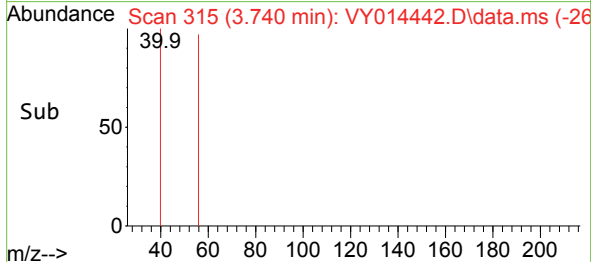
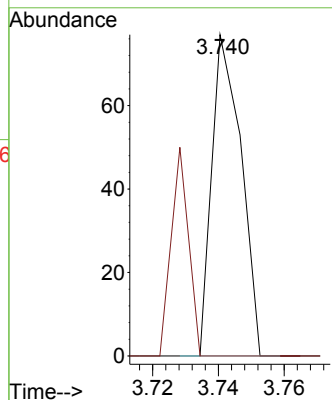
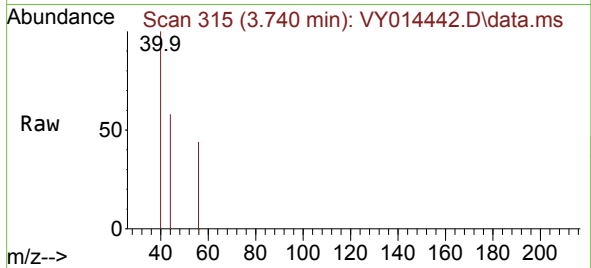
SB-2(8-10)MS

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 37.5 57.0 85.4#



#16

Acetone

Concen: 70.686 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014442.D

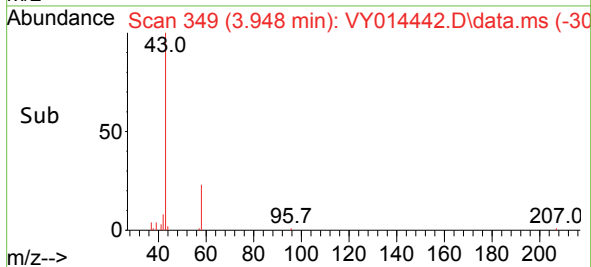
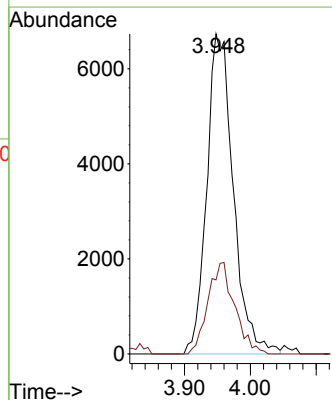
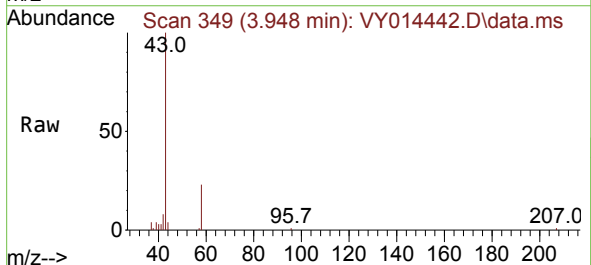
Acq: 26 Jun 2023 18:24

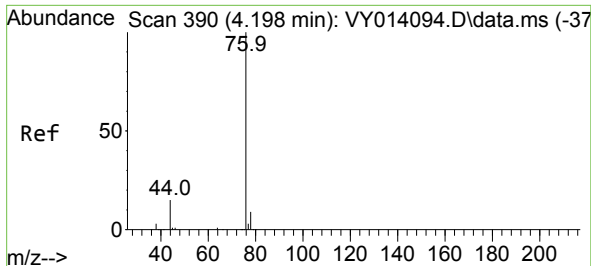
Tgt Ion: 43 Resp: 18849

Ion Ratio Lower Upper

43 100

58 23.1 22.7 34.1

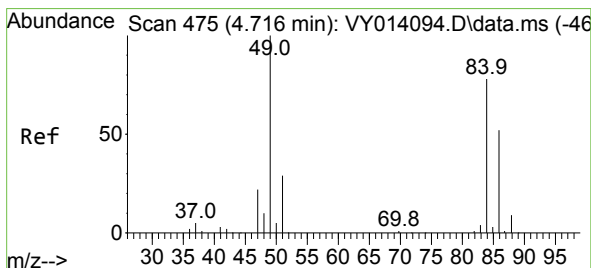
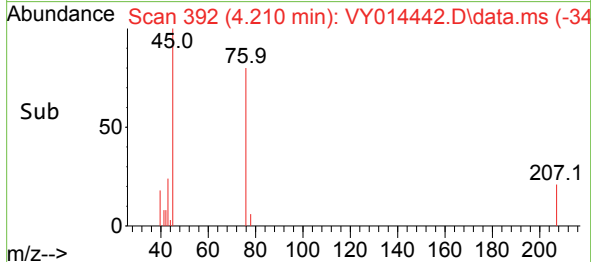
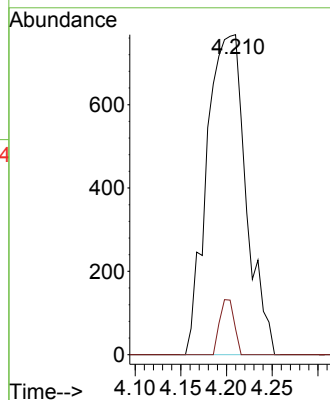
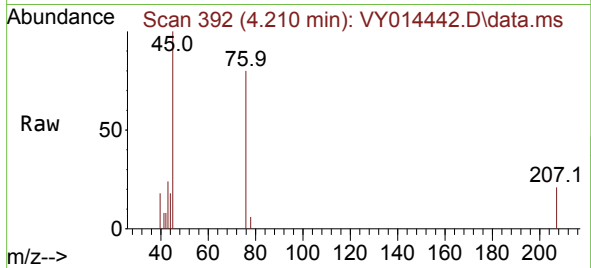




#17
Carbon Disulfide
Concen: 1.174 ug/l
RT: 4.210 min Scan# 390
Delta R.T. 0.012 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

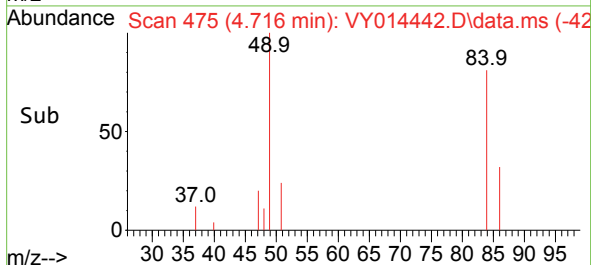
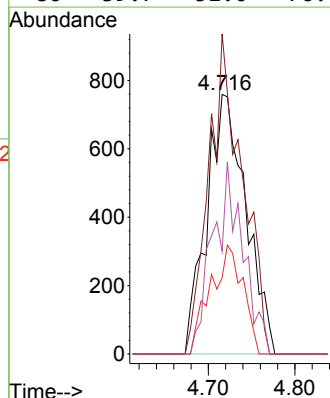
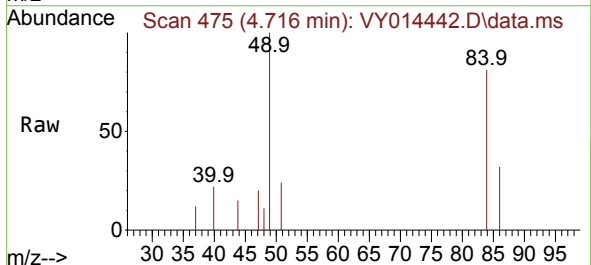
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MS

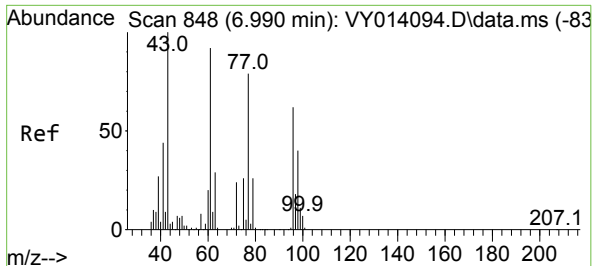
Tgt Ion: 76 Resp: 2284
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion: 84 Resp: 2380
Ion Ratio Lower Upper
84 100
49 123.3 106.9 160.3
51 29.4 33.2 49.8#
86 39.7 51.0 76.6#

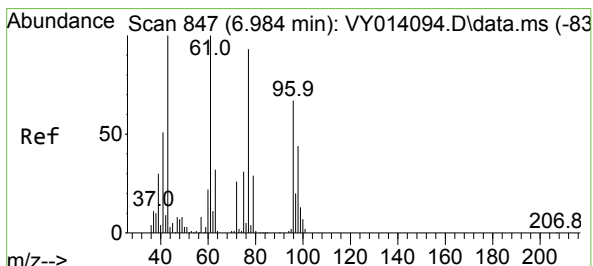
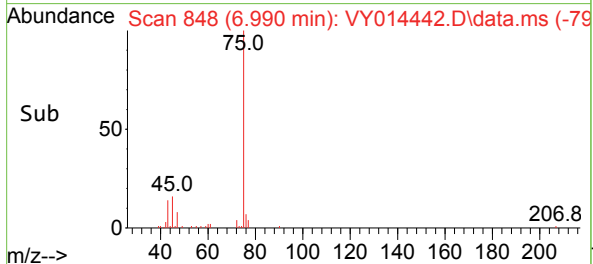
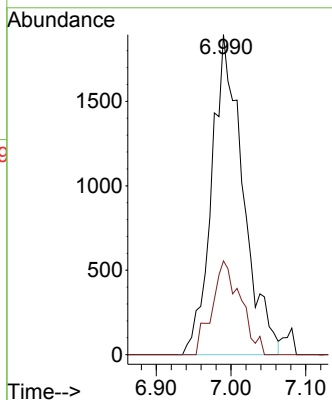
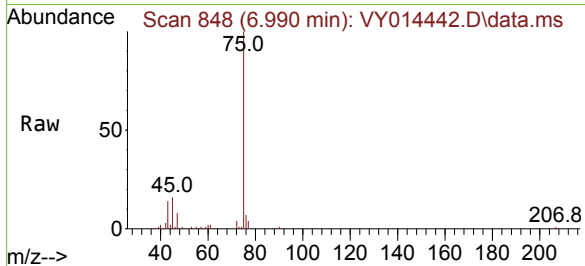




#25
2-Butanone
Concen: 16.677 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

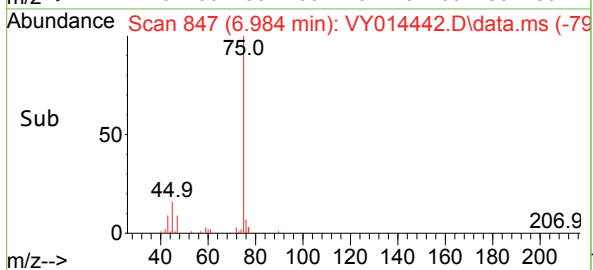
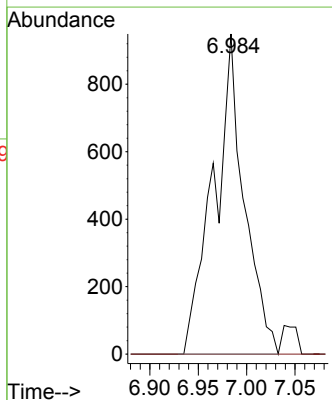
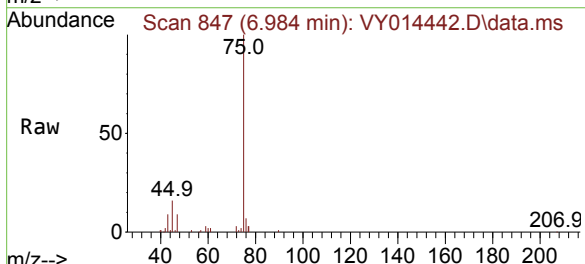
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MS

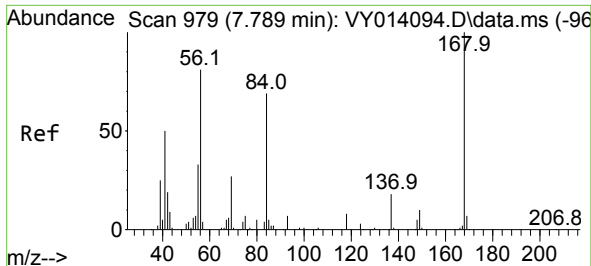
Tgt Ion: 43 Resp: 5539
Ion Ratio Lower Upper
43 100
72 29.3 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.663 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion: 77 Resp: 2084
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

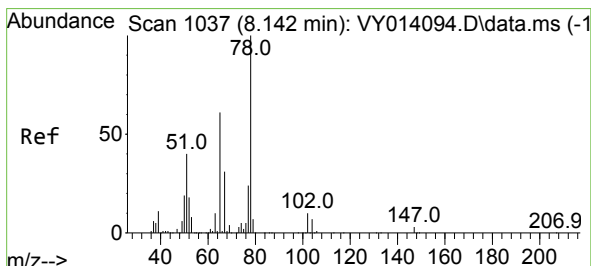
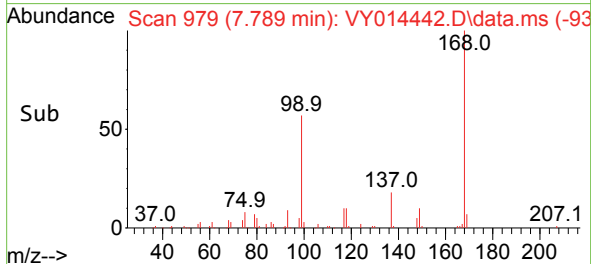
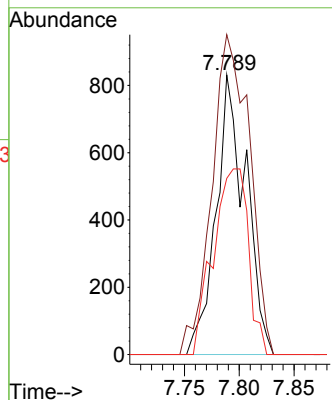
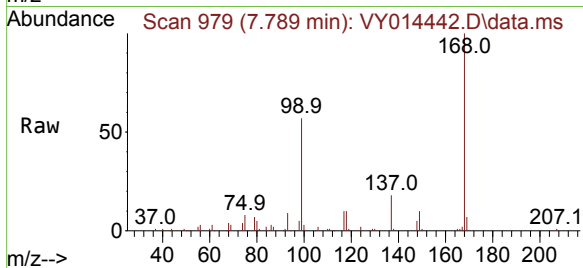




#31
Cyclohexane
Concen: 1.501 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

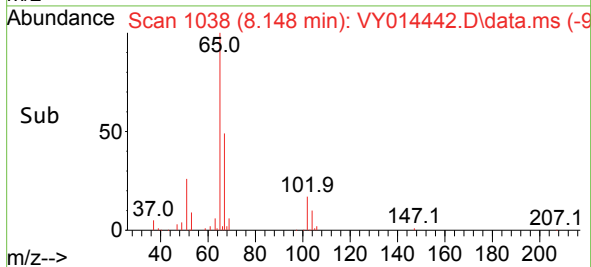
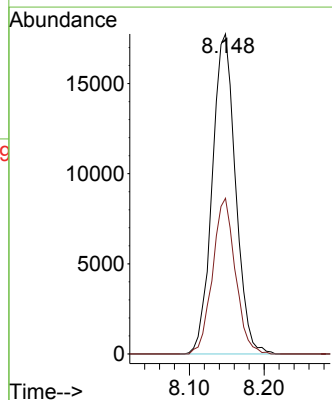
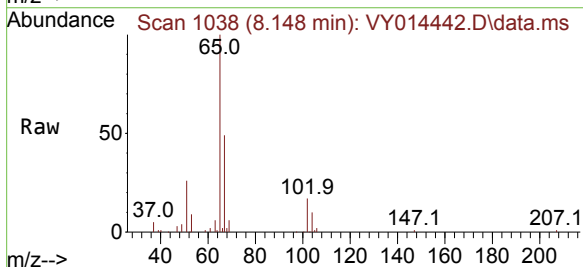
Instrument :
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ClientSampleId :
SB-2(8-10)MS

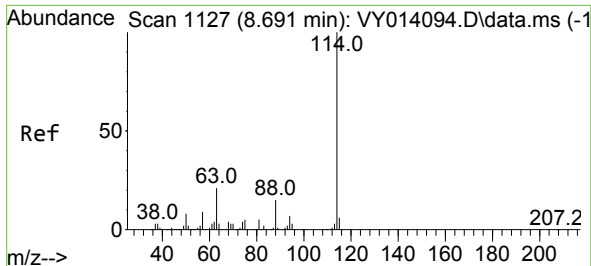
Tgt Ion: 56 Resp: 1571
Ion Ratio Lower Upper
56 100
69 114.4 27.8 41.6#
84 63.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.390 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion: 65 Resp: 38465
Ion Ratio Lower Upper
65 100
67 47.5 0.0 101.8

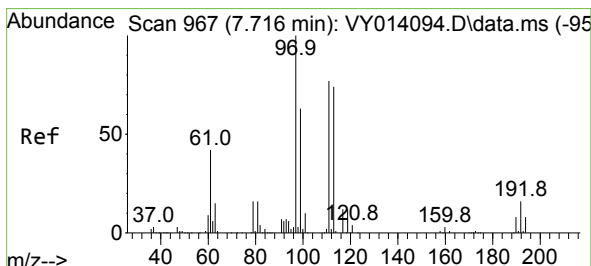
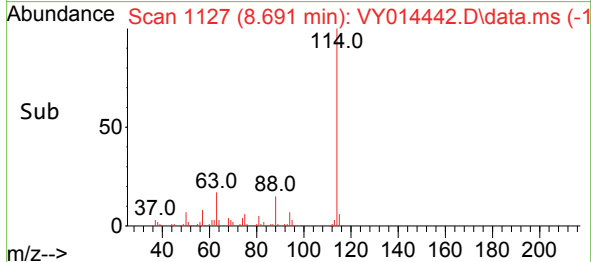
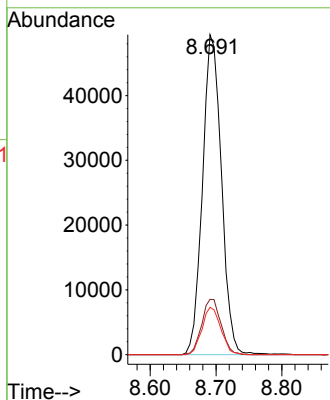
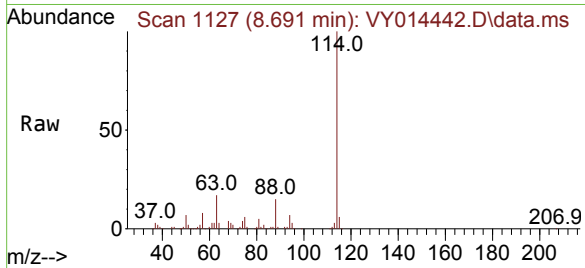




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

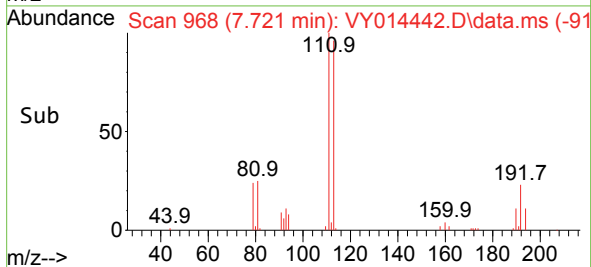
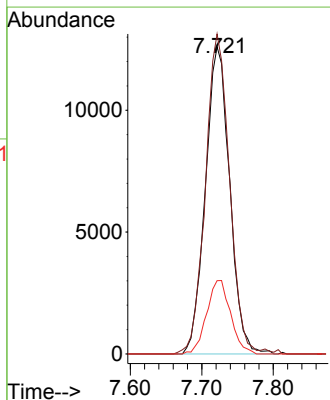
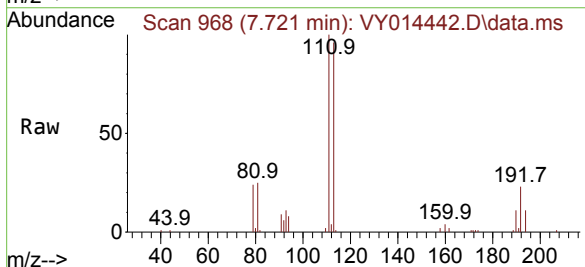
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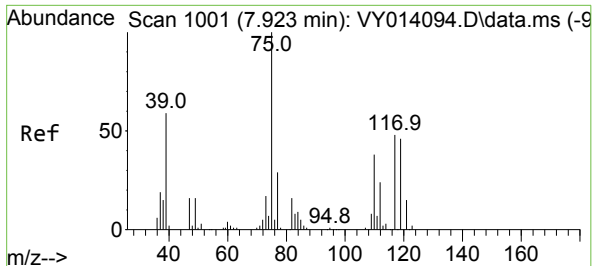
Tgt Ion:	114	Resp:	98875
Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	42.4
88	14.8	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.786 ug/l
RT: 7.721 min Scan# 968
Delta R.T. 0.005 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion:	113	Resp:	29802
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.3	121.9
192	23.5	16.9	25.3

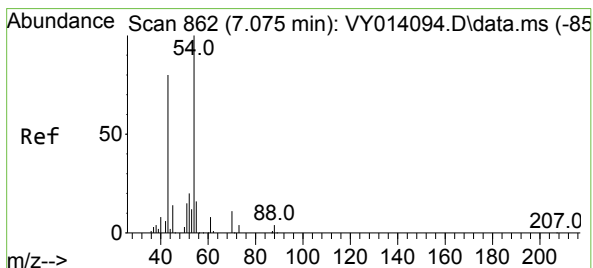
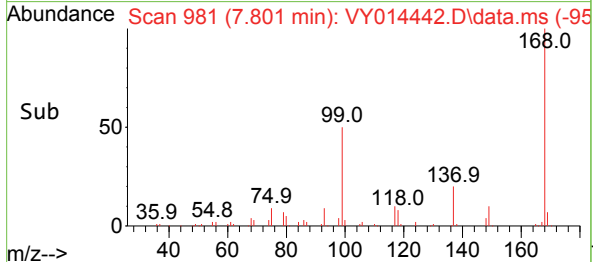
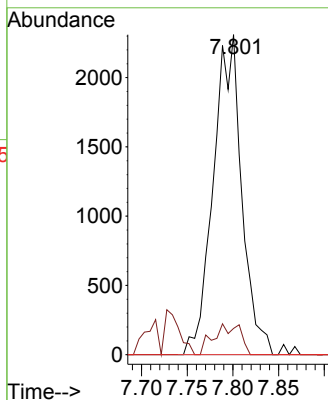
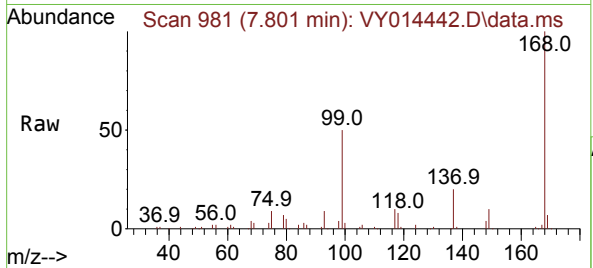




#36
 1,1-Dichloropropene
 Concen: 5.315 ug/l
 RT: 7.801 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY014442.D
 Acq: 26 Jun 2023 18:24

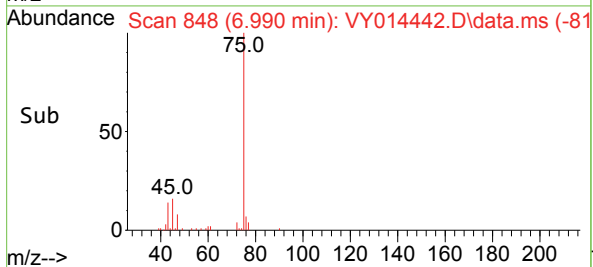
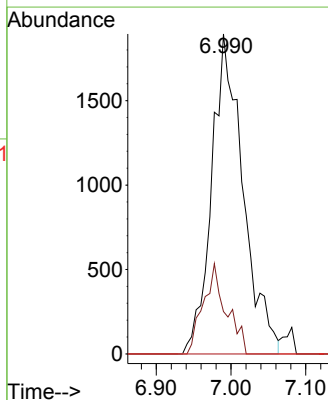
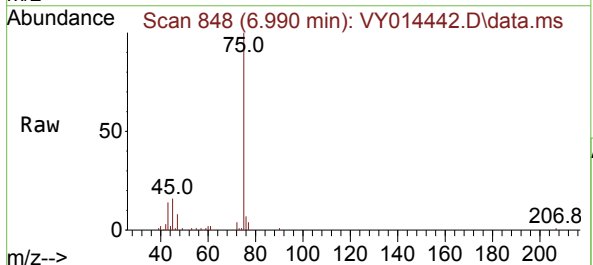
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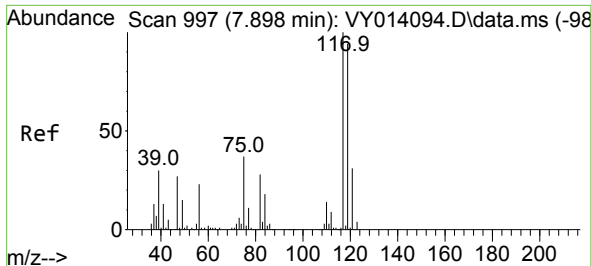
Tgt Ion: 75 Resp: 5003
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.8 53.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 8.538 ug/l
 RT: 6.990 min Scan# 848
 Delta R.T. -0.085 min
 Lab File: VY014442.D
 Acq: 26 Jun 2023 18:24

Tgt Ion: 43 Resp: 5539
 Ion Ratio Lower Upper
 43 100
 61 20.7 10.1 15.1#
 70 0.0 7.1 10.7#

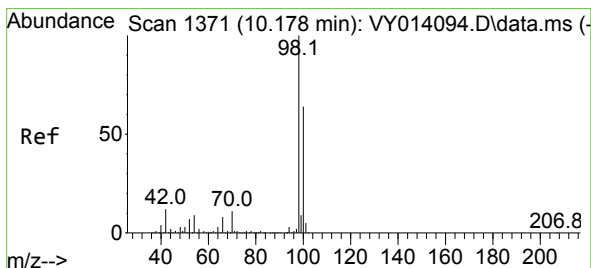
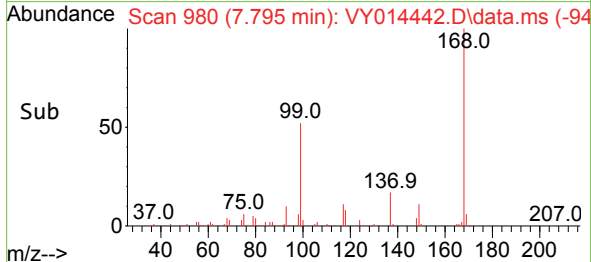
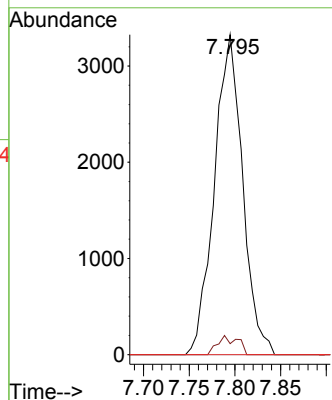
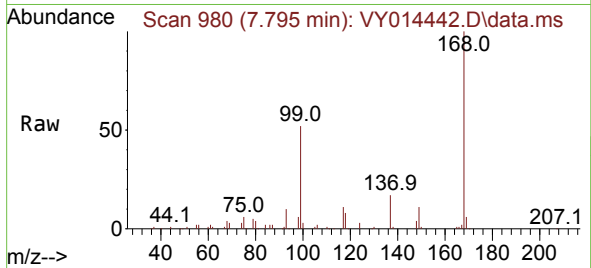




#38
Carbon Tetrachloride
Concen: 6.048 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

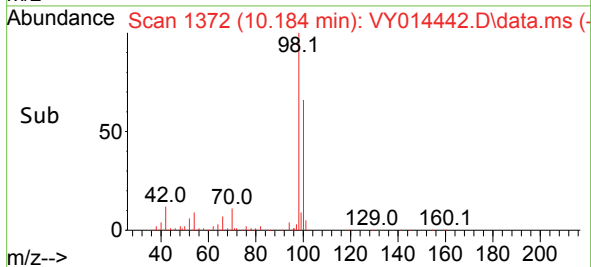
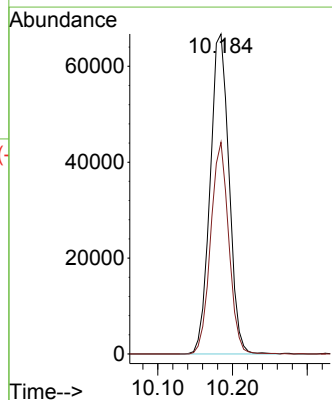
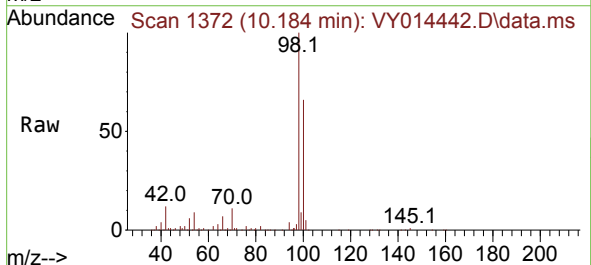
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MS

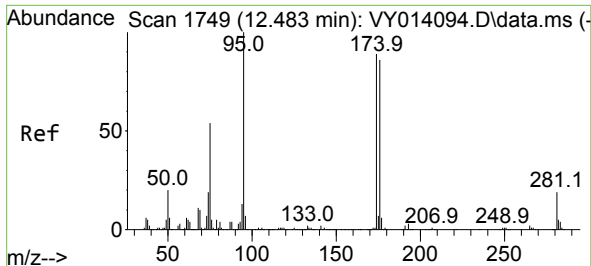
Tgt Ion:117 Resp: 7165
Ion Ratio Lower Upper
117 100
119 3.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.119 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion: 98 Resp: 116847
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1

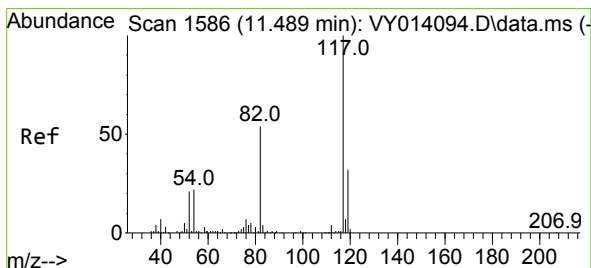
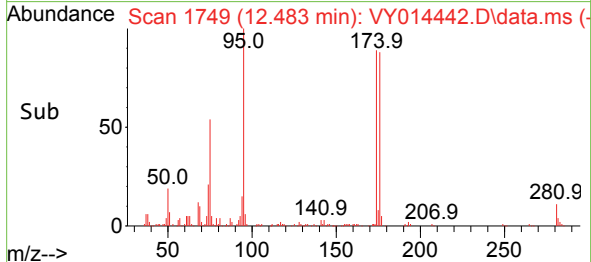
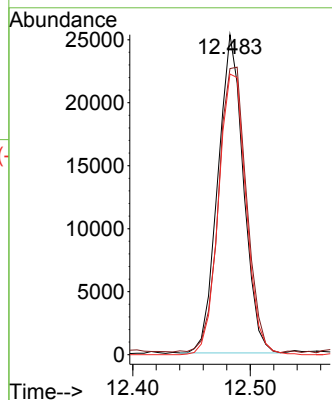
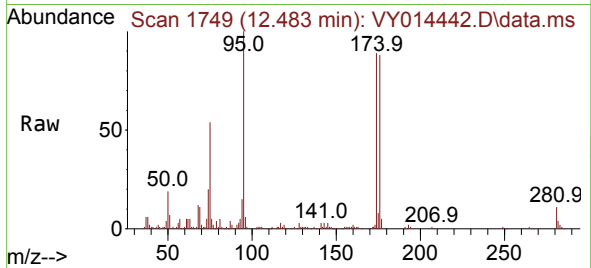




#62
4-Bromofluorobenzene
Concen: 44.224 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

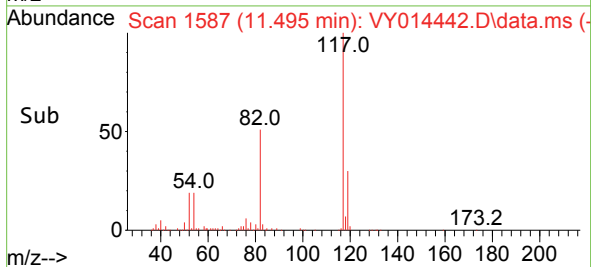
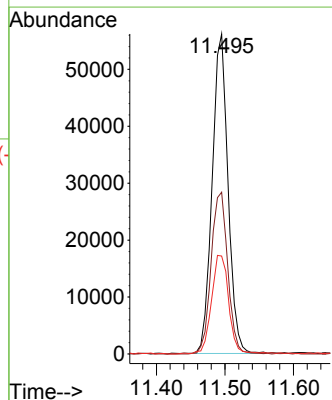
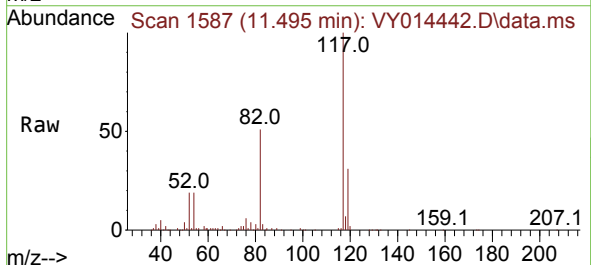
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MS

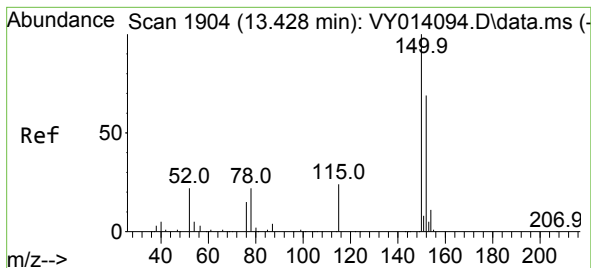
Tgt Ion: 95 Resp: 38338
Ion Ratio Lower Upper
95 100
174 97.6 0.0 178.2
176 95.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion: 117 Resp: 90364
Ion Ratio Lower Upper
117 100
82 50.6 43.4 65.0
119 30.5 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: VY014442.D

Acq: 26 Jun 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

SB-2(8-10)MS

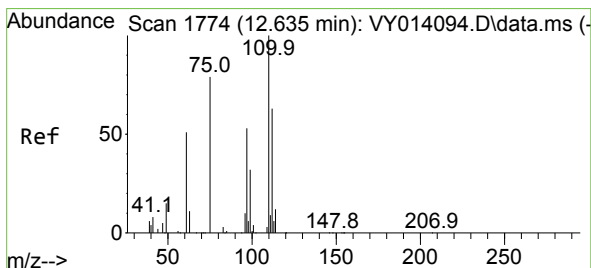
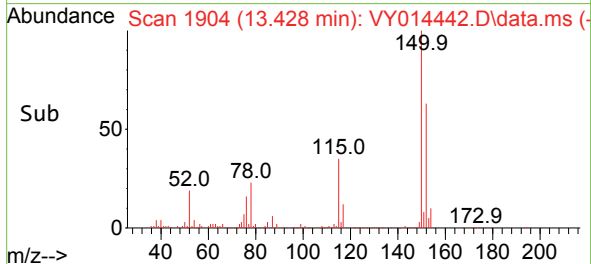
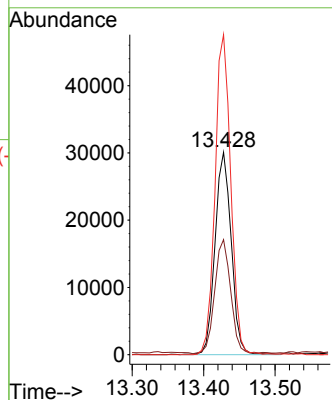
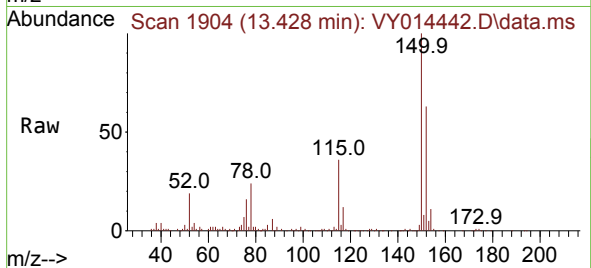
Tgt Ion:152 Resp: 47452

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 152.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.432 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014442.D

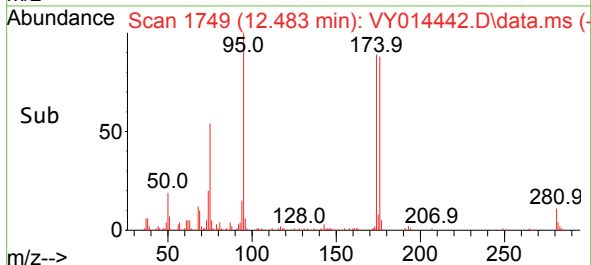
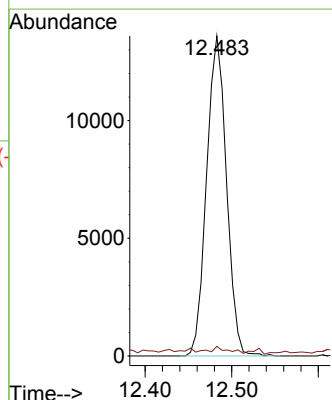
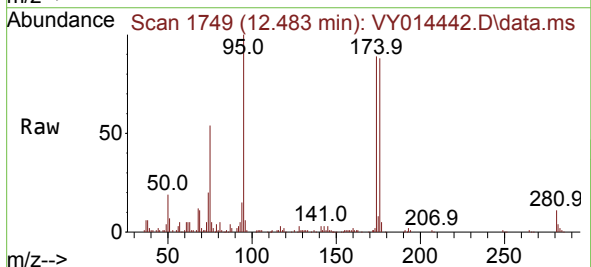
Acq: 26 Jun 2023 18:24

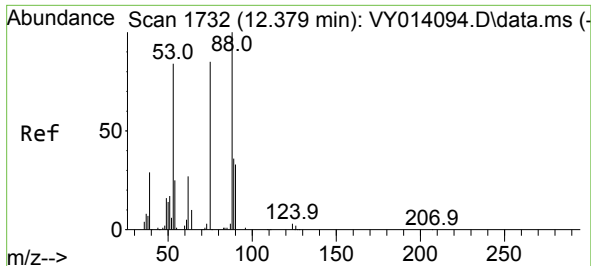
Tgt Ion: 75 Resp: 21686

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

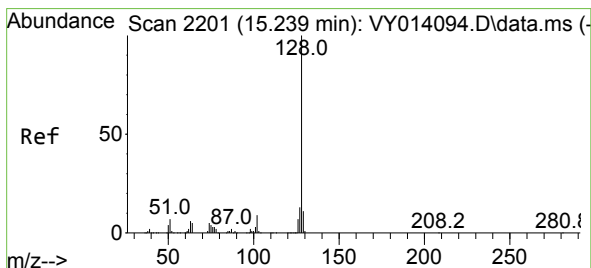
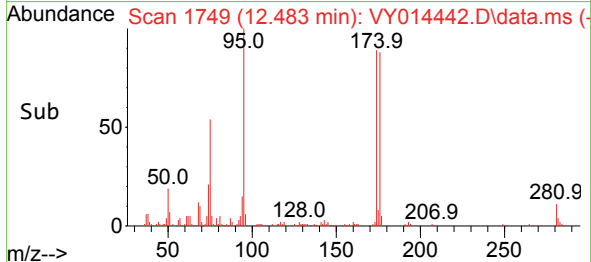
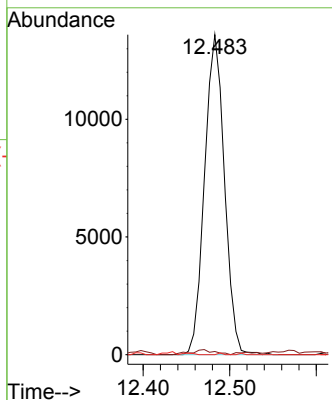
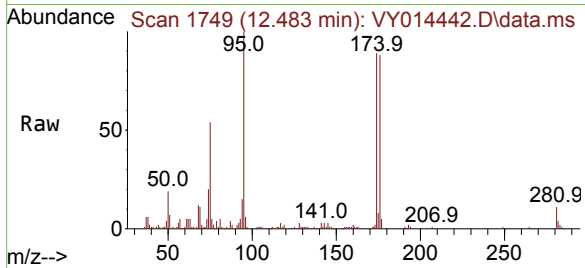




#81
trans-1,4-Dichloro-2-butene
Concen: 82.944 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MS

Tgt Ion: 75 Resp: 21686
Ion Ratio Lower Upper
75 100
53 1.8 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 4.205 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY014442.D
Acq: 26 Jun 2023 18:24

Tgt Ion:128 Resp: 8592
Ion Ratio Lower Upper
128 100
127 20.7 10.8 16.2#
129 17.1 8.6 13.0#

