

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014656.D
 Acq On : 14 Jul 2023 18:38
 Operator : SY/MD
 Sample : 03632-01
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-(2-4)

Quant Time: Jul 14 23:15:05 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)

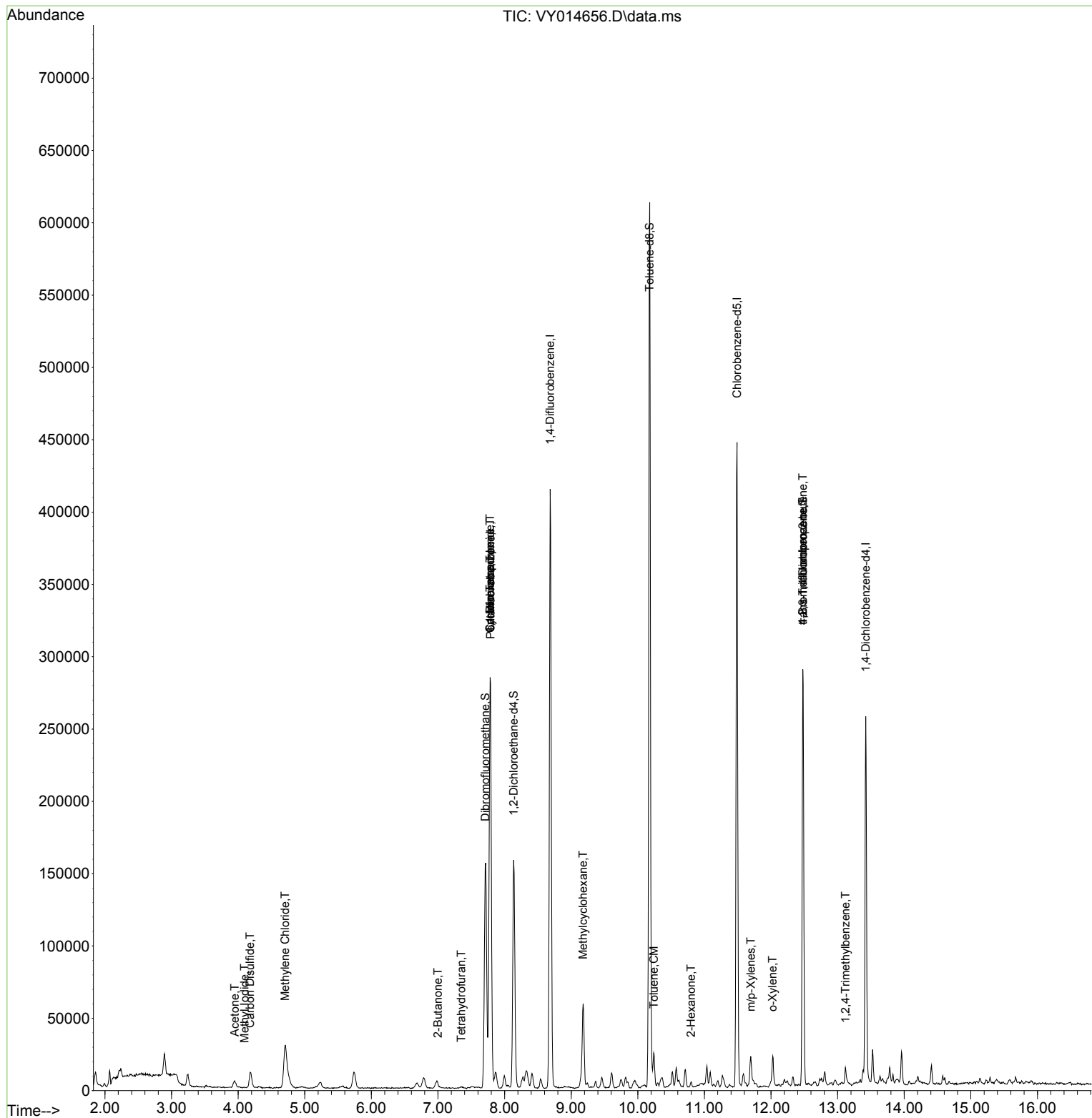
Internal Standards						
1) Pentafluorobenzene	7.789	168	214446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	354466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118825	48.625	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.260%
35) Dibromofluoromethane	7.710	113	112429	49.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.660%
50) Toluene-d8	10.179	98	400188	48.105	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.220%
62) 4-Bromofluorobenzene	12.477	95	87304	27.369	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.740%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	97	2.408	ug/l #	38
11) Tert butyl alcohol	4.954	59	2204	Below Cal	#	75
16) Acetone	3.948	43	8047	10.392	ug/l	98
17) Carbon Disulfide	4.180	76	21566	3.567	ug/l	99
20) Methylene Chloride	4.704	84	21371	4.667	ug/l	87
25) 2-Butanone	6.996	43	3261	2.878	ug/l	99
29) Tetrahydrofuran	7.350	42	1020	1.462	ug/l #	75
31) Cyclohexane	7.783	56	12735	3.139	ug/l #	59
36) 1,1-Dichloropropene	7.783	75	16684	4.944	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21372	5.991	ug/l #	15
39) Methylcyclohexane	9.179	83	25299	5.755	ug/l	97
52) Toluene	10.240	92	9134	1.487	ug/l	97
59) 2-Hexanone	10.801	43	1823	1.076	ug/l #	27
68) m/p-Xylenes	11.697	106	6262	1.717	ug/l	98
69) o-Xylene	12.026	106	5462	1.538	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	45942	55.529	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45942	107.515	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	6213	1.478	ug/l	99

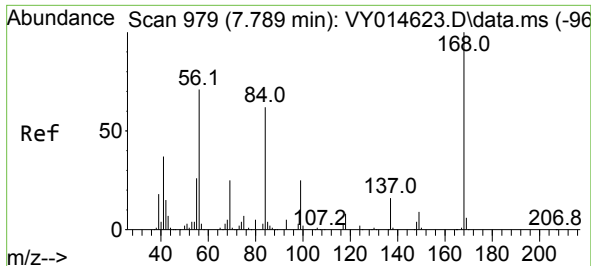
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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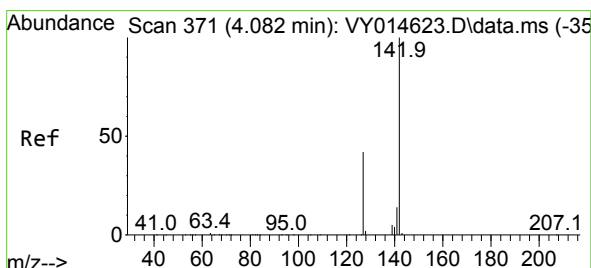
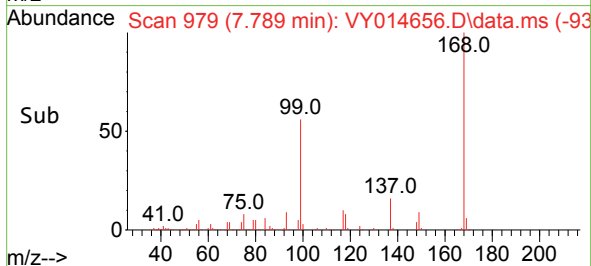
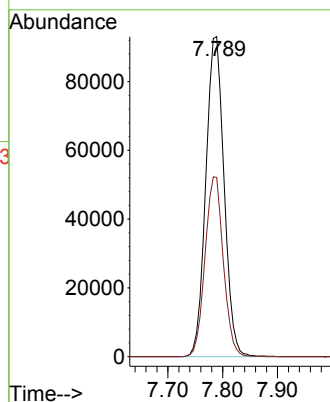
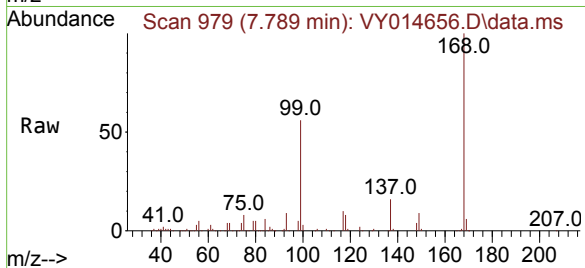




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

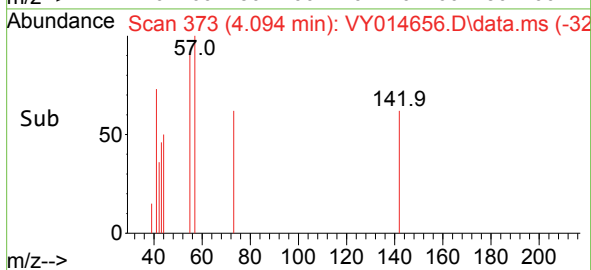
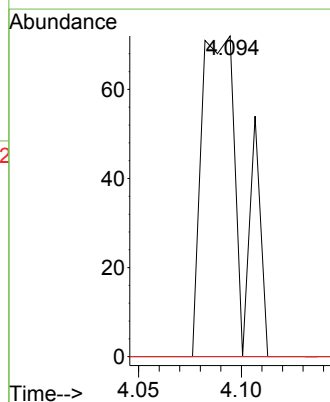
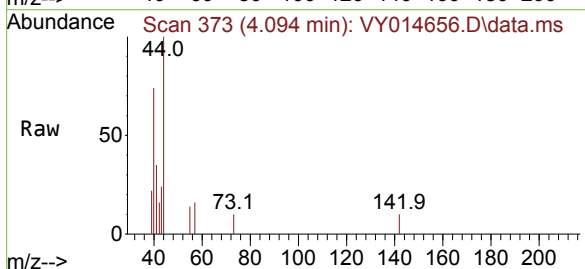
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)

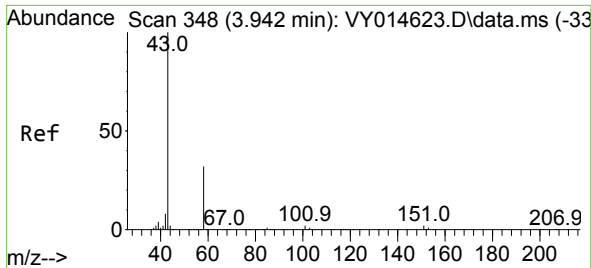
Tgt Ion:168 Resp: 214446
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.408 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion:142 Resp: 97
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 10.392 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

Instrument :

MSVOA_Y

ClientSampleId :

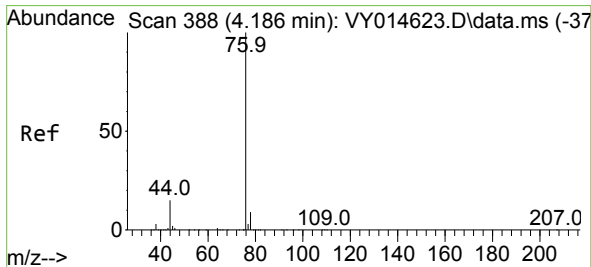
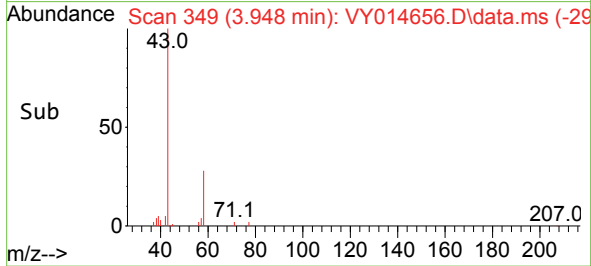
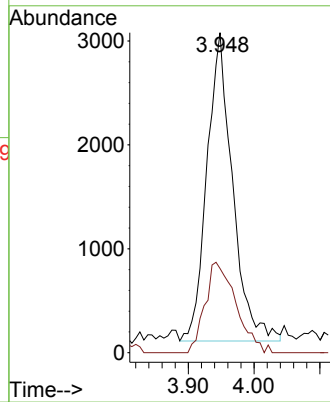
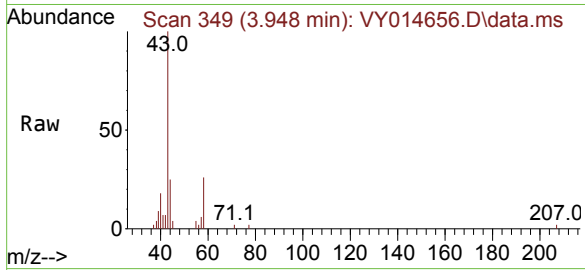
SB-01-(2-4)

Tgt Ion: 43 Resp: 8047

Ion Ratio Lower Upper

43 100

58 27.3 22.7 34.1



#17

Carbon Disulfide

Concen: 3.567 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY014656.D

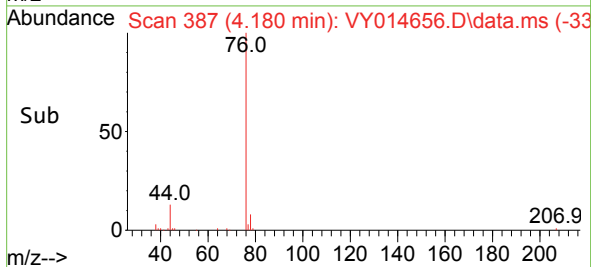
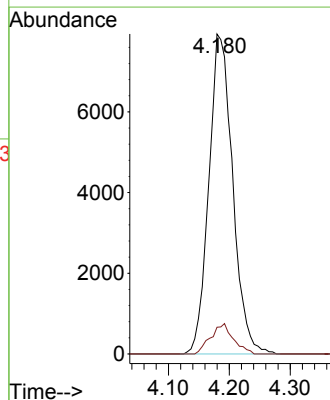
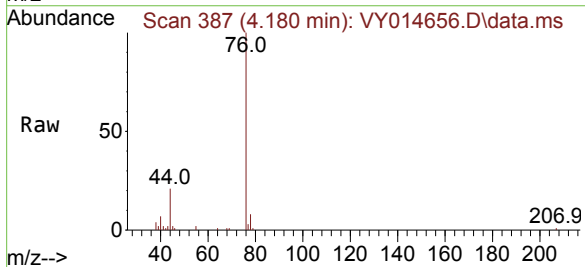
Acq: 14 Jul 2023 18:38

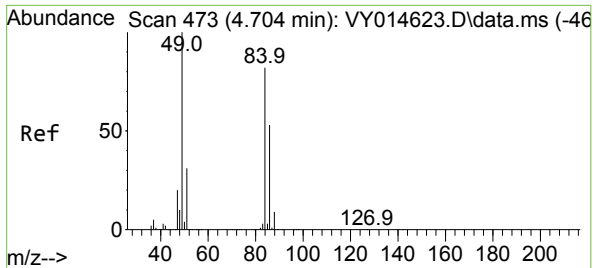
Tgt Ion: 76 Resp: 21566

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4

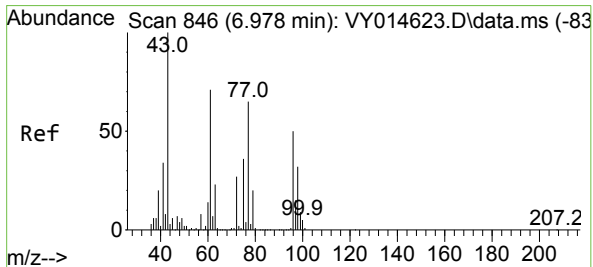
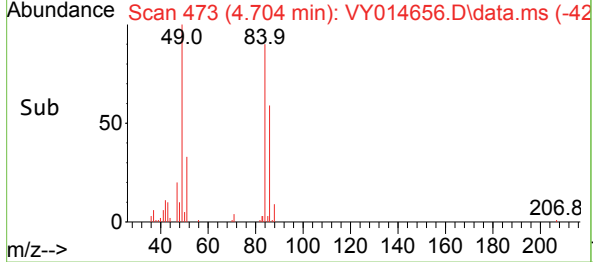
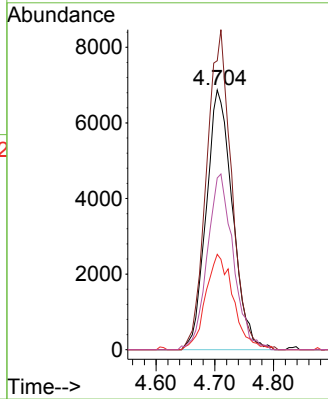
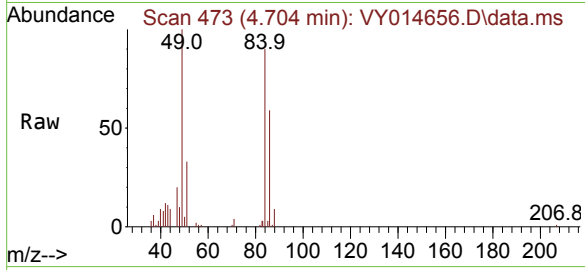




#20
Methylene Chloride
Concen: 4.667 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

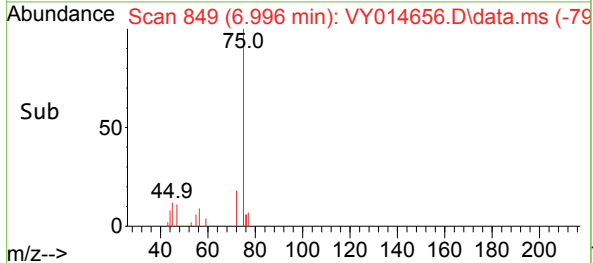
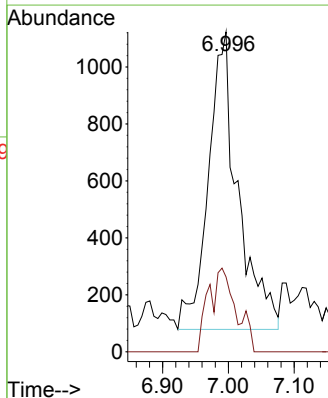
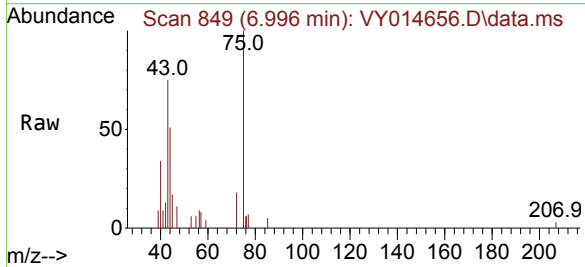
Instrument :
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ClientSampleId :
SB-01-(2-4)

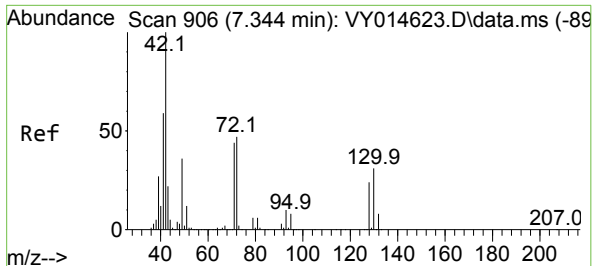
Tgt Ion:	84	Resp:	21371
Ion	Ratio	Lower	Upper
84	100		
49	111.2	106.9	160.3
51	36.7	33.2	49.8
86	66.1	51.0	76.6



#25
2-Butanone
Concen: 2.878 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion:	43	Resp:	3261
Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.5	30.7





#29

Tetrahydrofuran

Concen: 1.462 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

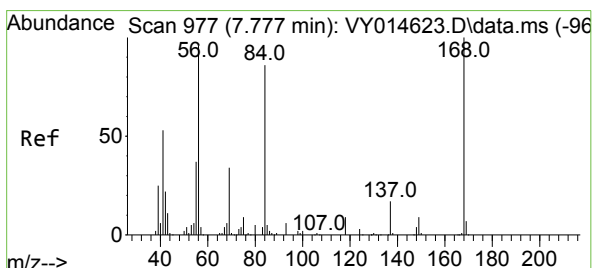
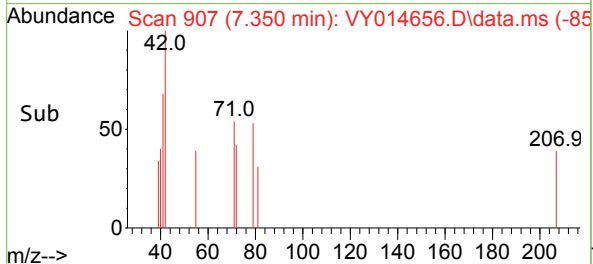
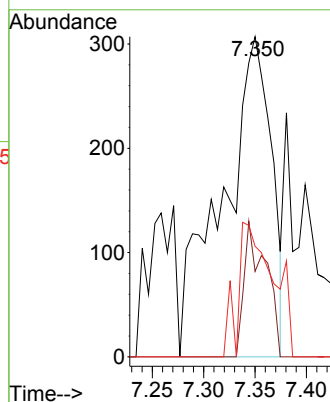
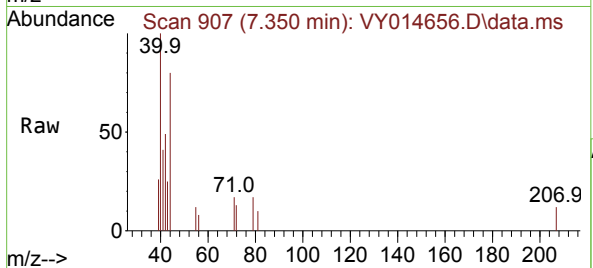
Instrument :

MSVOA_Y

ClientSampleId :

SB-01-(2-4)

Tgt Ion: 42	Resp: 1020
Ion Ratio	Lower Upper
42	100
72	18.6 32.8 49.2#
71	30.3 31.0 46.4#



#31

Cyclohexane

Concen: 3.139 ug/l

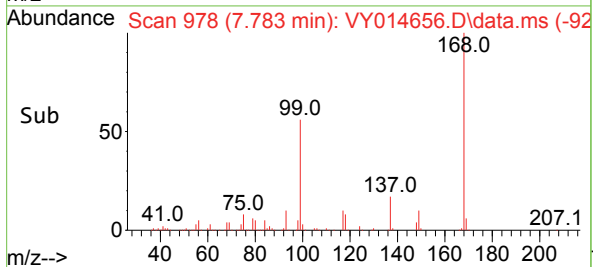
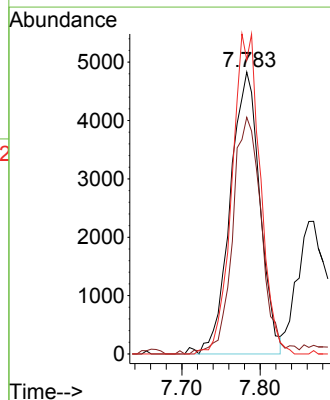
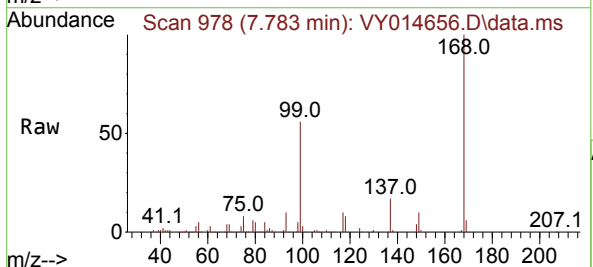
RT: 7.783 min Scan# 978

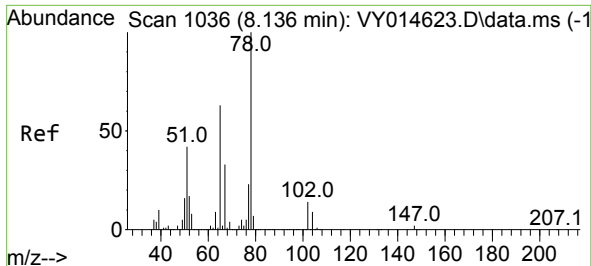
Delta R.T. 0.006 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

Tgt Ion: 56	Resp: 12735
Ion Ratio	Lower Upper
56	100
69	82.8 27.8 41.6#
84	104.3 66.4 99.6#

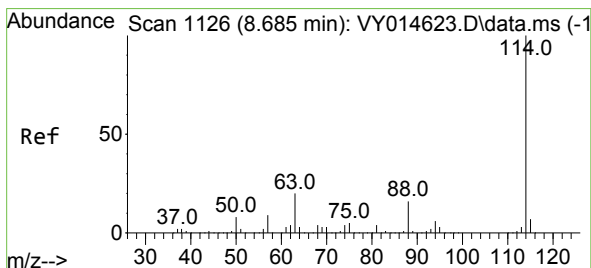
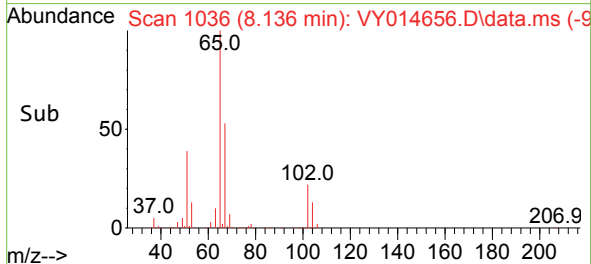
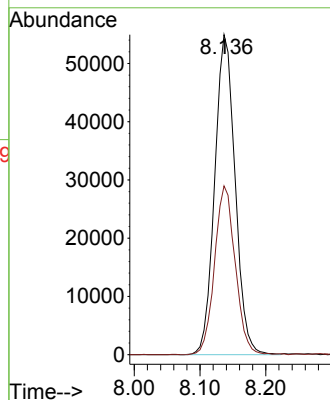
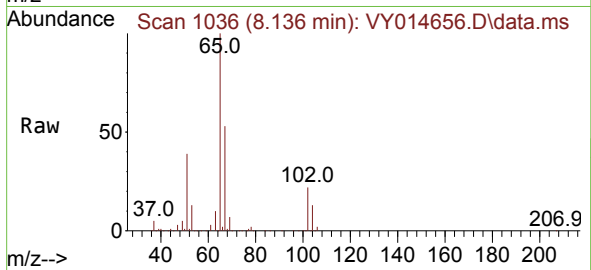




#33
 1,2-Dichloroethane-d4
 Concen: 48.625 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014656.D
 Acq: 14 Jul 2023 18:38

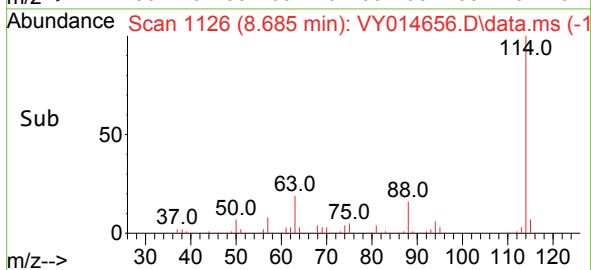
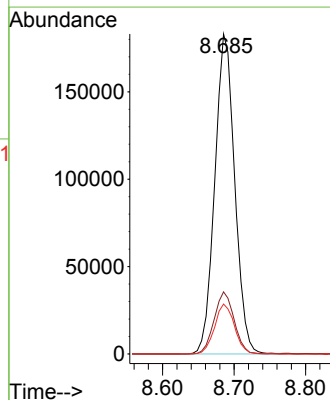
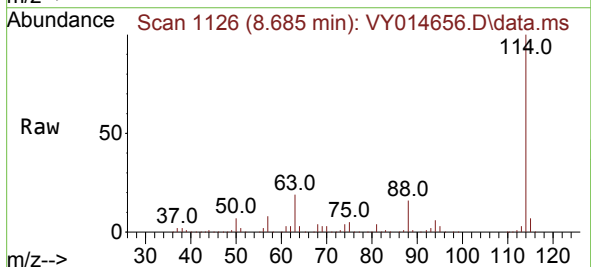
Instrument :
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 ClientSampleId :
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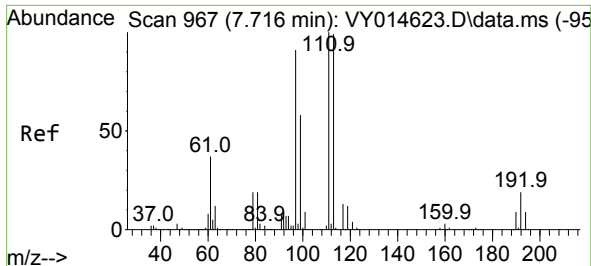
Tgt Ion: 65 Resp: 118825
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014656.D
 Acq: 14 Jul 2023 18:38

Tgt Ion:114 Resp: 354466
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 15.6 0.0 30.6

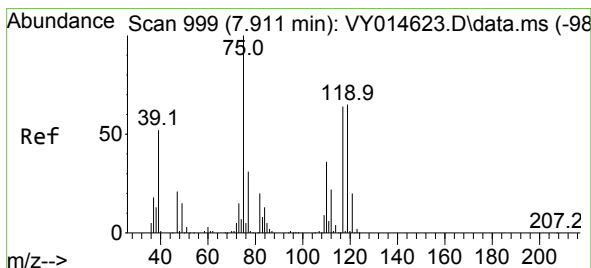
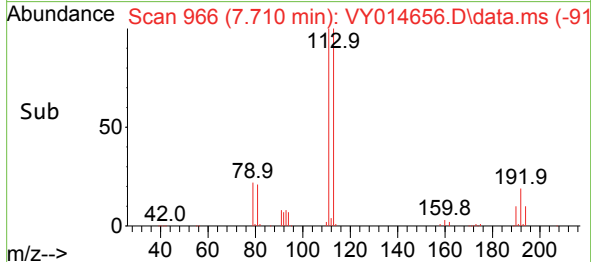
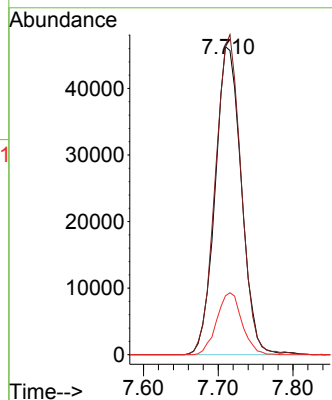
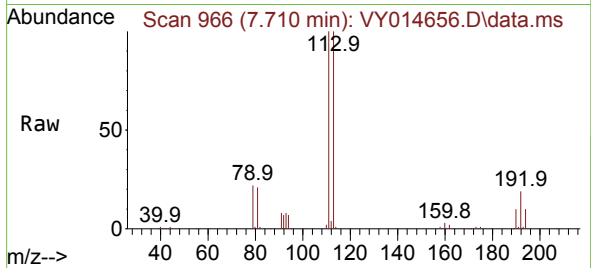




#35
Dibromofluoromethane
Concen: 49.826 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

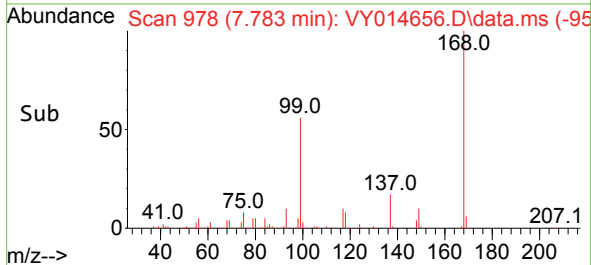
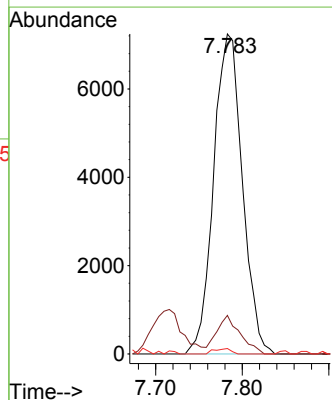
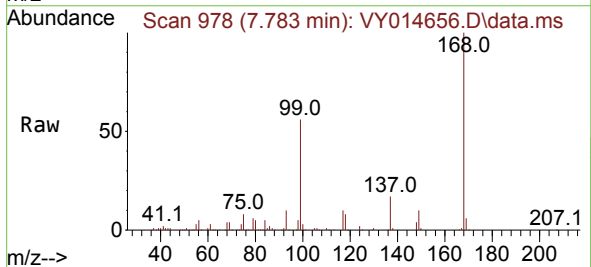
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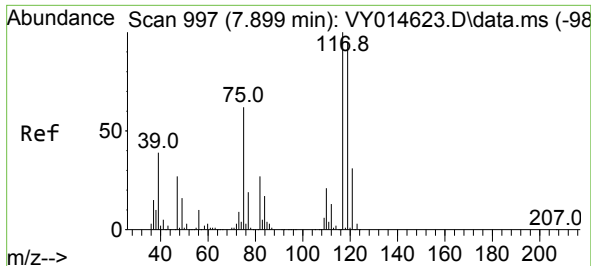
Tgt Ion:113 Resp: 112429
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.944 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion: 75 Resp: 16684
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 1.0 24.4 36.6#

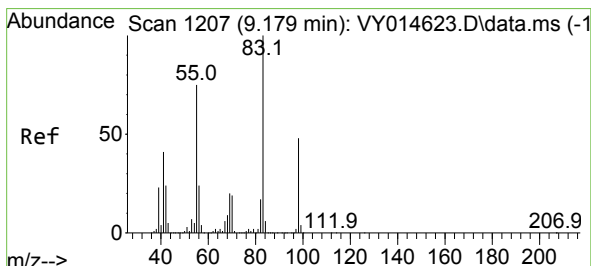
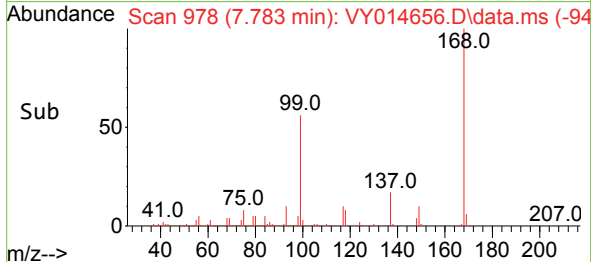
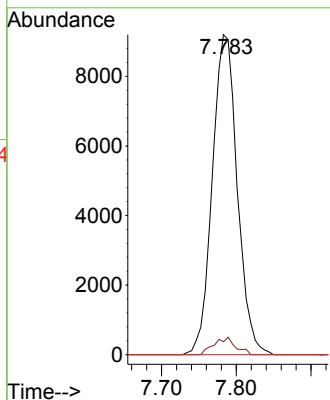
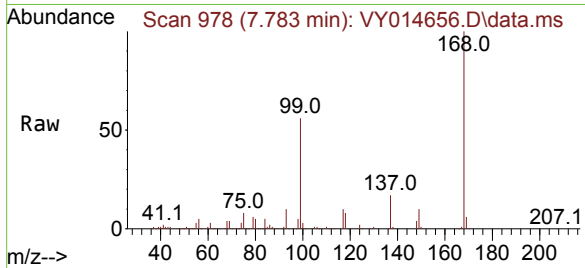




#38
Carbon Tetrachloride
Concen: 5.991 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

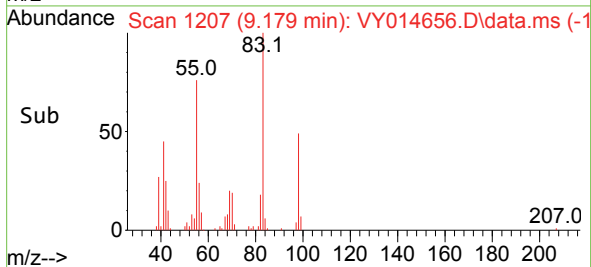
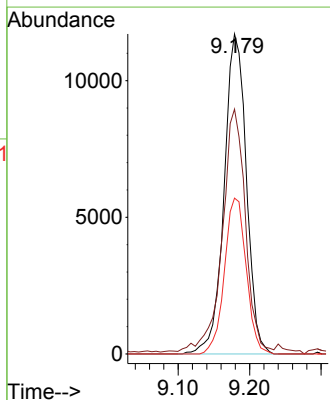
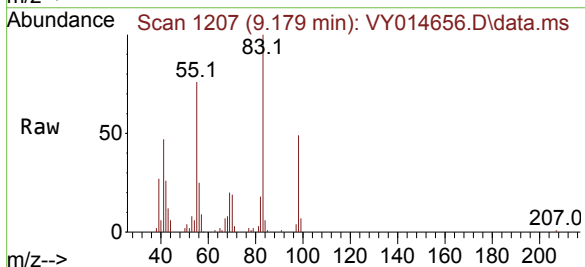
Instrument :
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SB-01-(2-4)

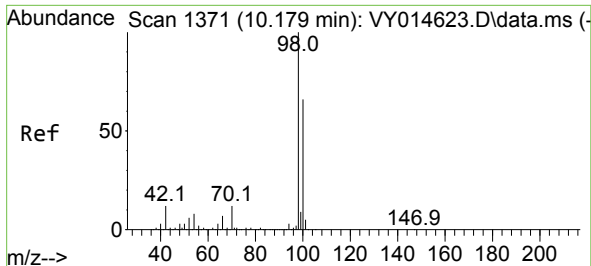
Tgt Ion:117 Resp: 21372
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 5.755 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion: 83 Resp: 25299
Ion Ratio Lower Upper
83 100
55 75.7 63.0 94.4
98 48.7 37.4 56.2

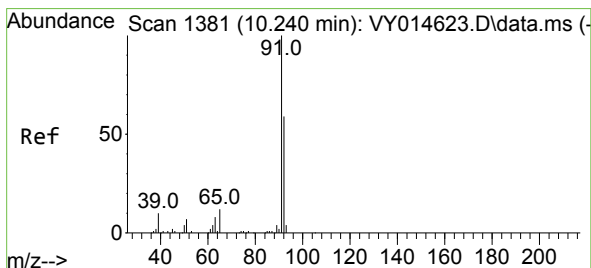
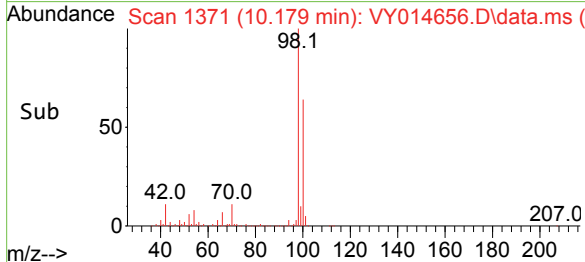
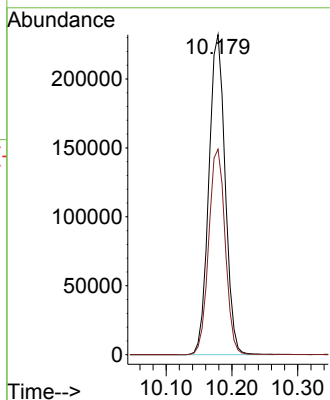
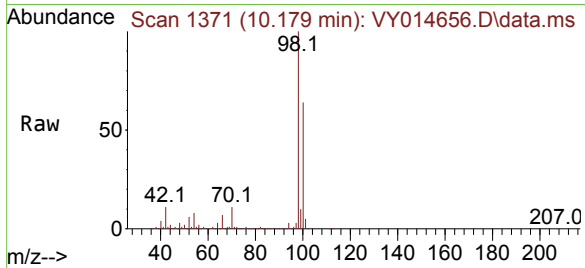




#50
Toluene-d8
Concen: 48.105 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

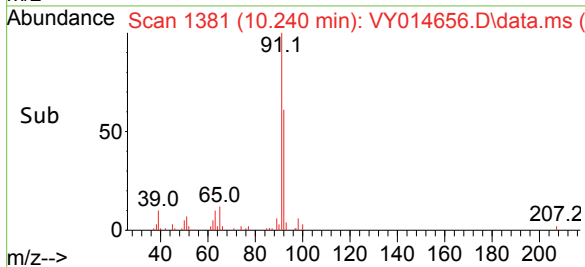
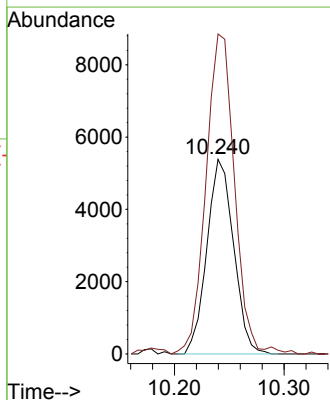
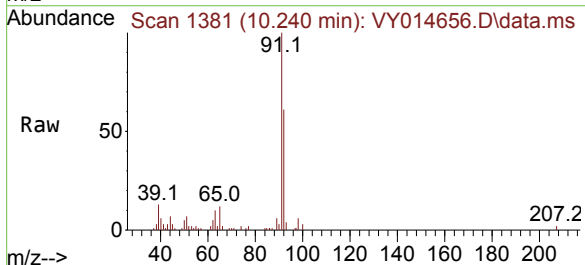
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)

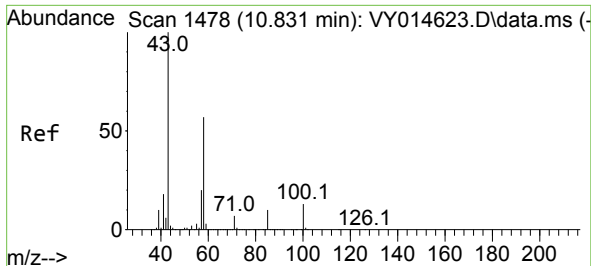
Tgt Ion: 98 Resp: 400188
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#52
Toluene
Concen: 1.487 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion: 92 Resp: 9134
Ion Ratio Lower Upper
92 100
91 175.6 143.8 215.6

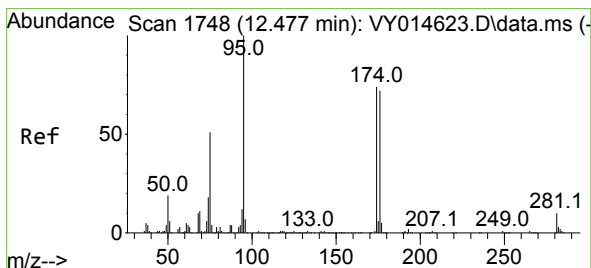
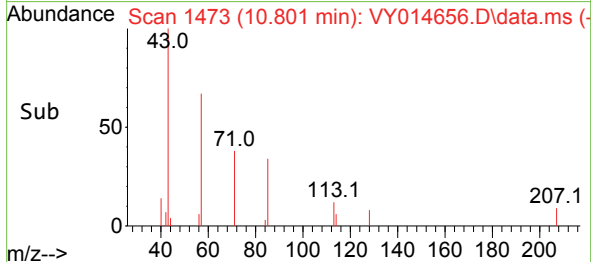
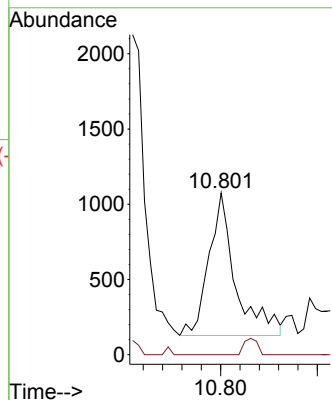
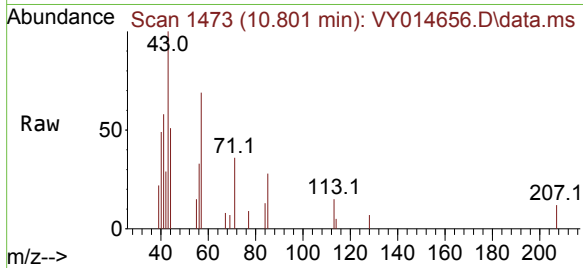




#59
2-Hexanone
Concen: 1.076 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

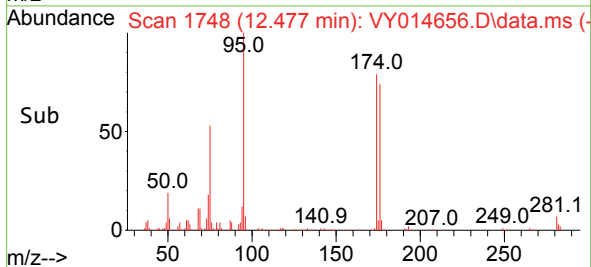
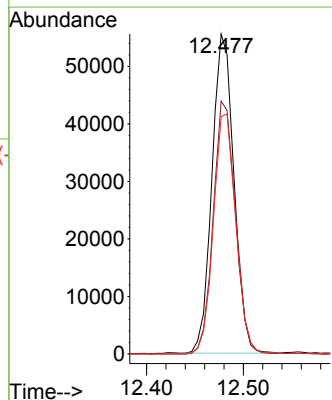
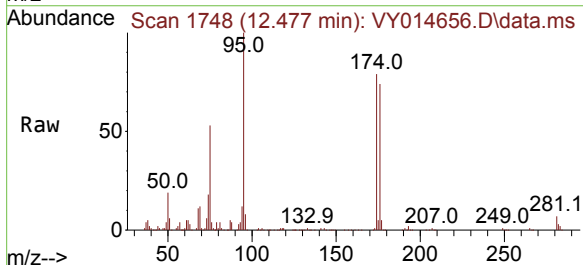
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)

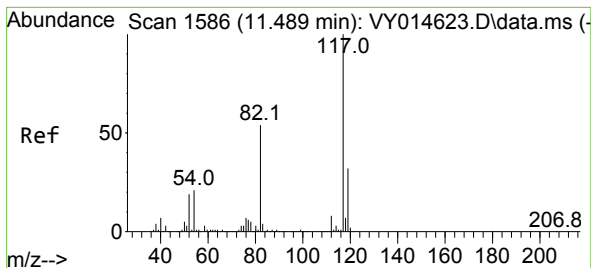
Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 27.369 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion: 95 Resp: 87304
Ion Ratio Lower Upper
95 100
174 80.4 0.0 178.2
176 77.0 0.0 173.8

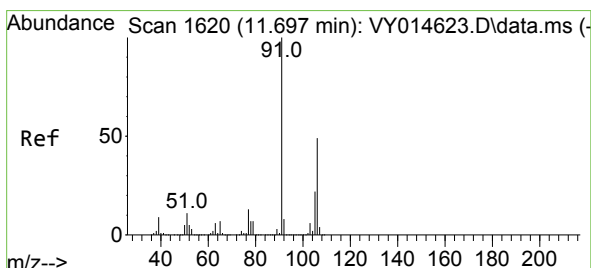
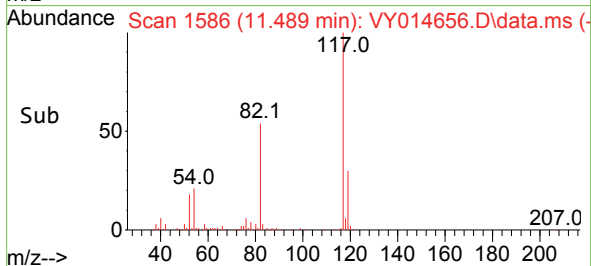
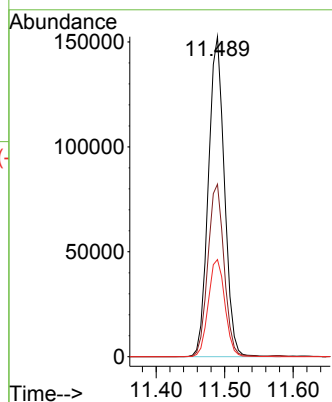
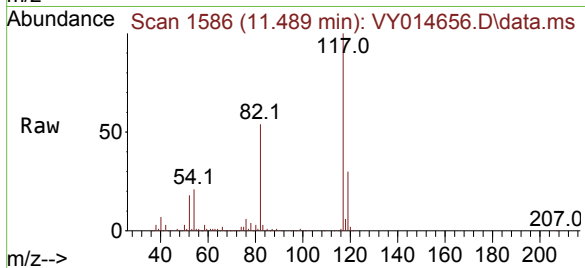




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

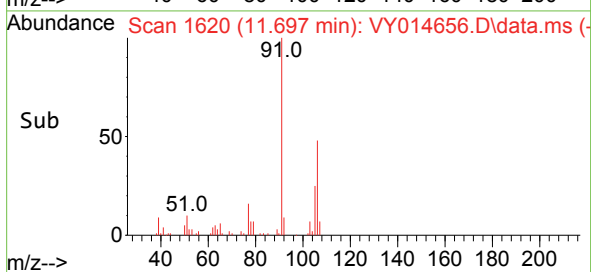
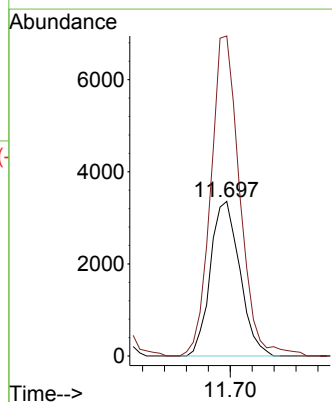
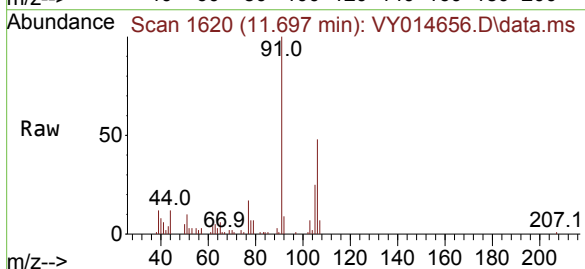
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)

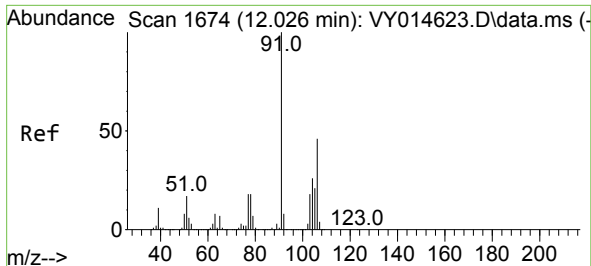
Tgt Ion:117 Resp: 248271
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 30.3 26.3 39.5



#68
m/p-Xylenes
Concen: 1.717 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion:106 Resp: 6262
Ion Ratio Lower Upper
106 100
91 203.9 166.1 249.1

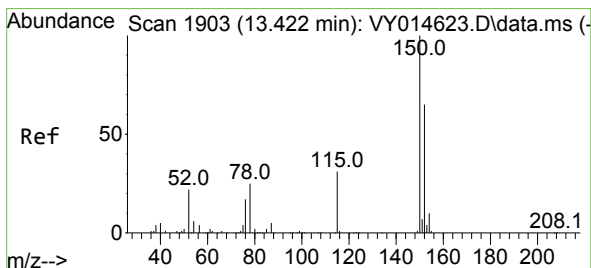
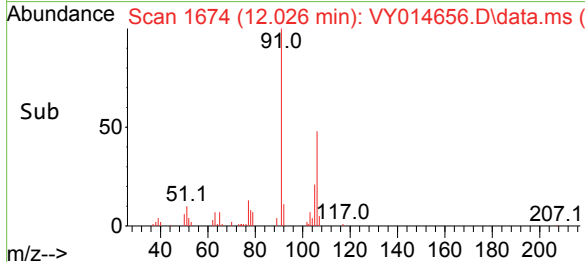
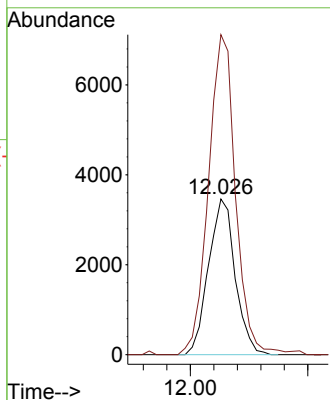
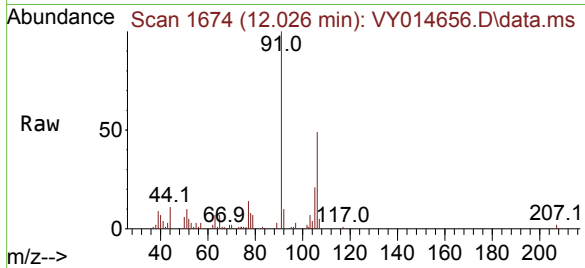




#69
o-Xylene
Concen: 1.538 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

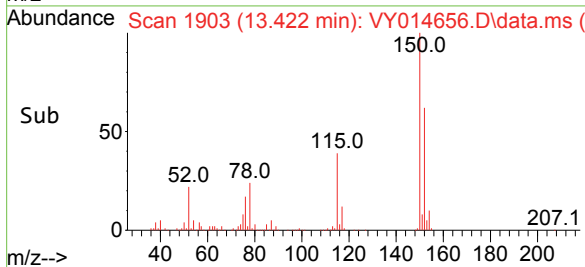
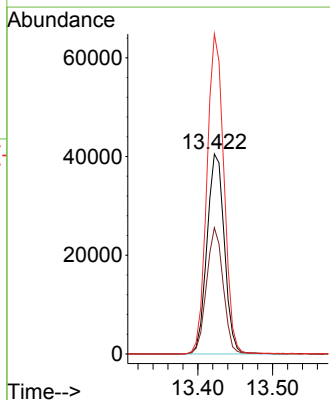
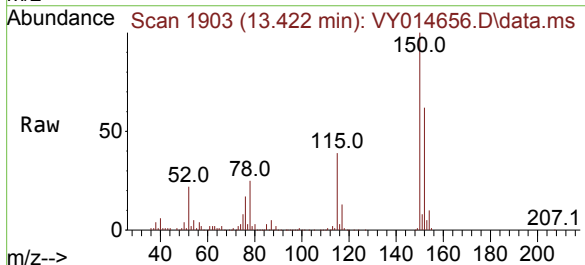
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)

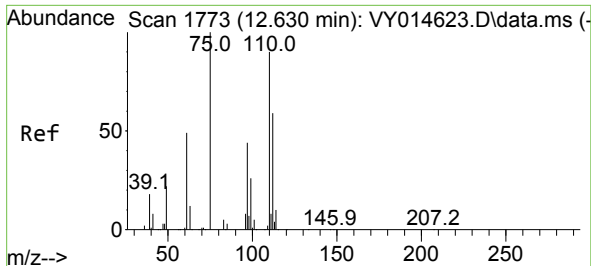
Tgt Ion:106 Resp: 5462
Ion Ratio Lower Upper
106 100
91 209.2 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion:152 Resp: 65508
Ion Ratio Lower Upper
152 100
115 60.7 28.8 86.5
150 156.1 0.0 348.8

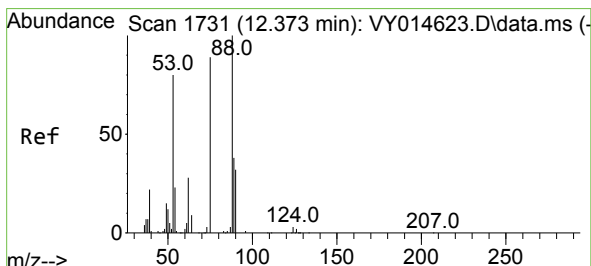
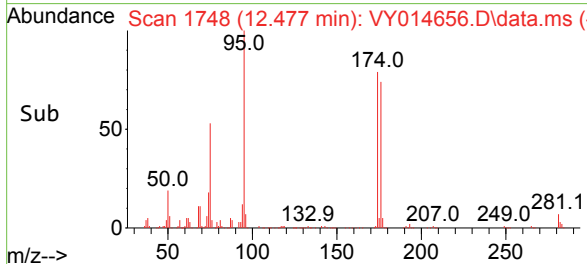
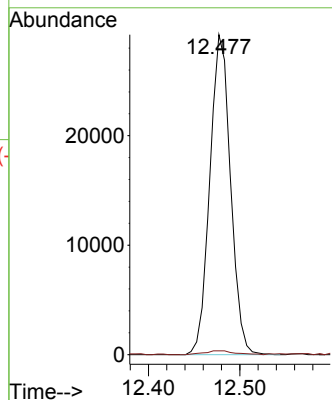
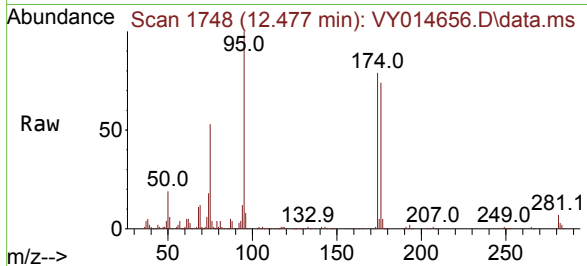




#76
1,2,3-Trichloropropane
Concen: 55.529 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

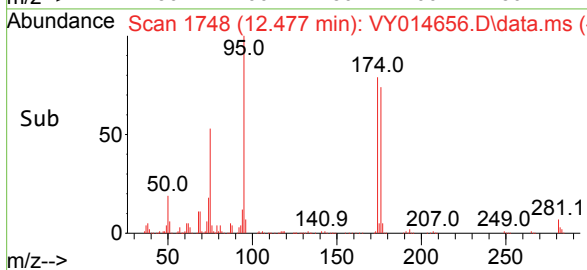
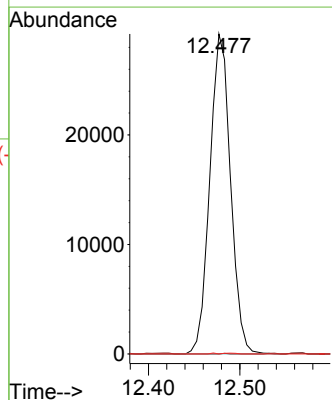
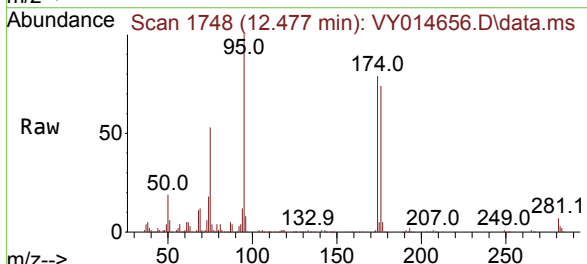
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)

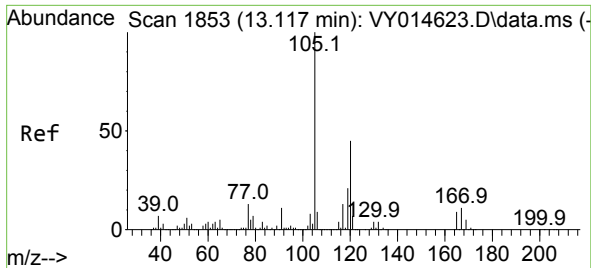
Tgt Ion: 75 Resp: 45942
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.515 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014656.D
Acq: 14 Jul 2023 18:38

Tgt Ion: 75 Resp: 45942
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.478 ug/l
 RT: 13.117 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY014656.D
 Acq: 14 Jul 2023 18:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-(2-4)

Tgt Ion:105 Resp: 6213
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.2 66.6

