

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017433.D
 Acq On : 21 Feb 2024 13:21
 Operator : SY/MD
 Sample : P1547-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-022024

Quant Time: Feb 22 03:24:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

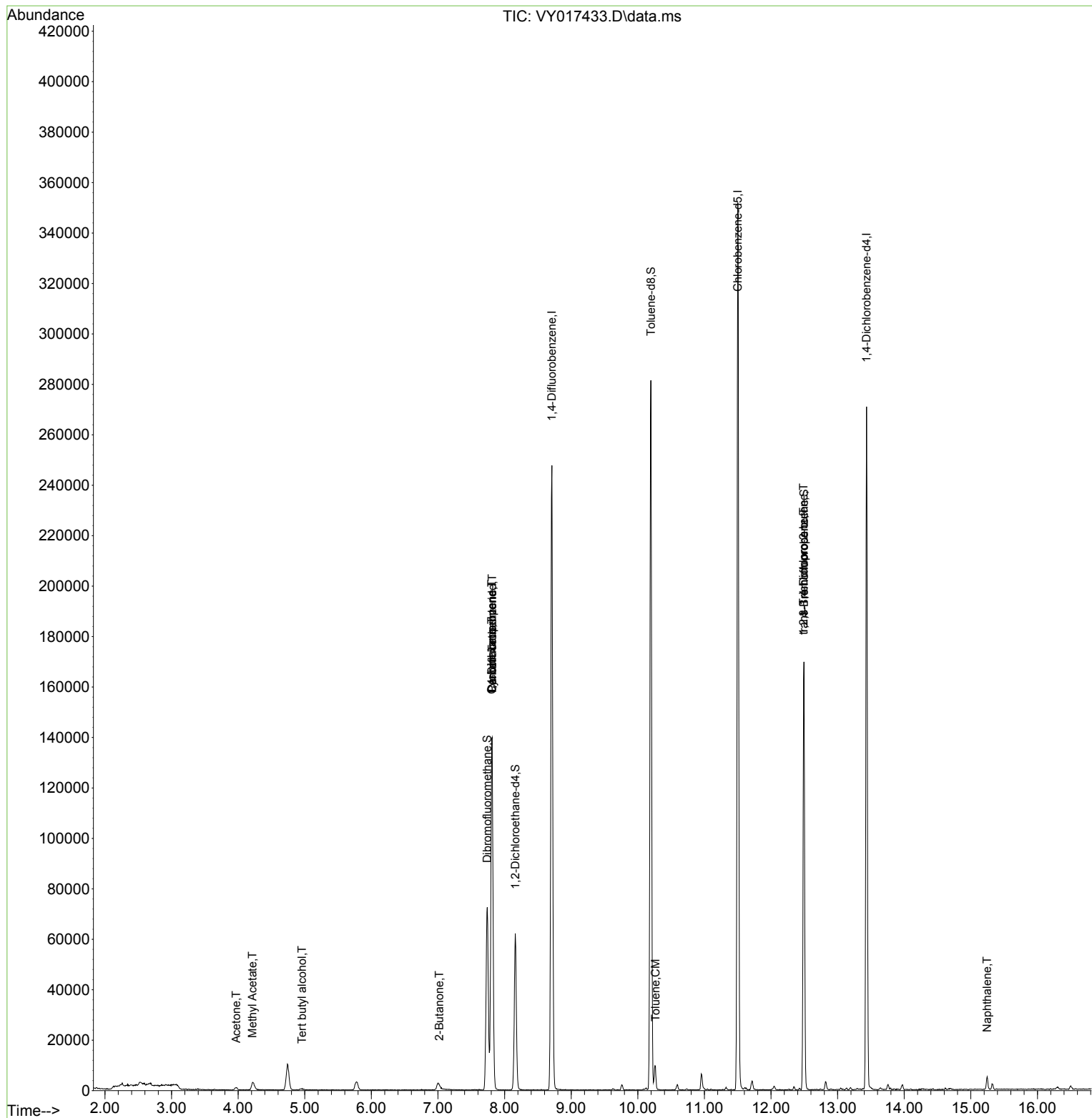
Internal Standards						
1) Pentafluorobenzene	7.813	168	113560	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	217880	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	195189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	70172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	45049	46.436	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.880%		
35) Dibromofluoromethane	7.740	113	52787	41.389	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.780%		
50) Toluene-d8	10.197	98	191496	38.714	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	77.420%		
62) 4-Bromofluorobenzene	12.495	95	50253	31.137	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	62.280%		
Target Compounds						
5) Bromomethane	2.680	94	368	Below Cal		86
11) Tert butyl alcohol	4.960	59	398	5.276 ug/l #		88
16) Acetone	3.973	43	1720	8.187 ug/l #		72
18) Methyl Acetate	4.216	43	1080	2.267 ug/l #		46
25) 2-Butanone	7.021	43	435	1.475 ug/l #		41
31) Cyclohexane	7.807	56	2232	1.162 ug/l #		1
36) 1,1-Dichloropropene	7.807	75	8394	3.941 ug/l #		47
38) Carbon Tetrachloride	7.813	117	11074	5.222 ug/l #		18
52) Toluene	10.264	92	4101	1.056 ug/l		93
76) 1,2,3-Trichloropropane	12.489	75	26470	38.905 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.489	75	26470	90.708 ug/l #		16
95) Naphthalene	15.245	128	4647	5.597 ug/l		97

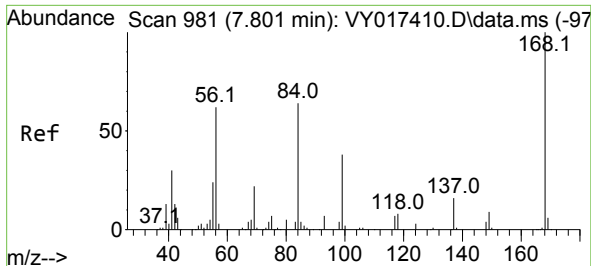
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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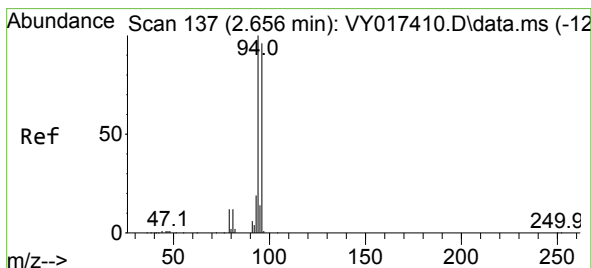
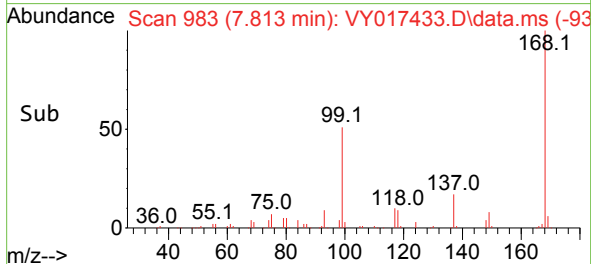
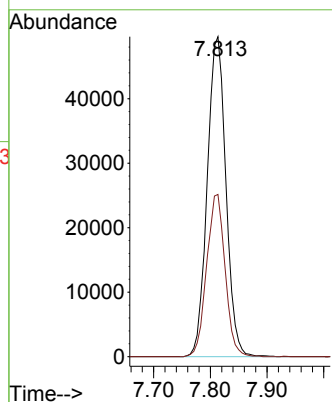
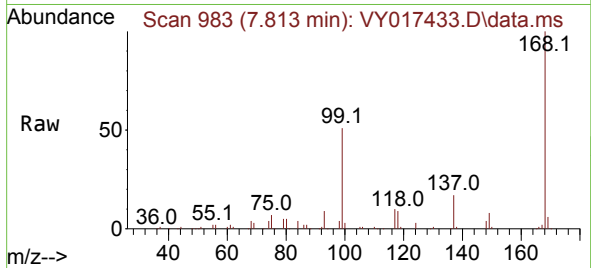




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

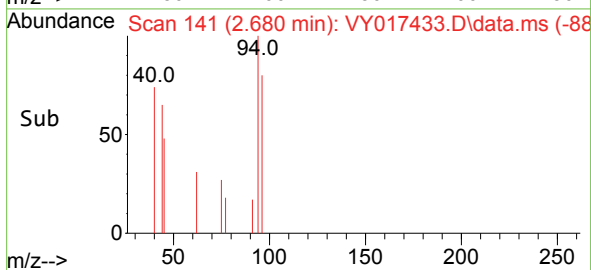
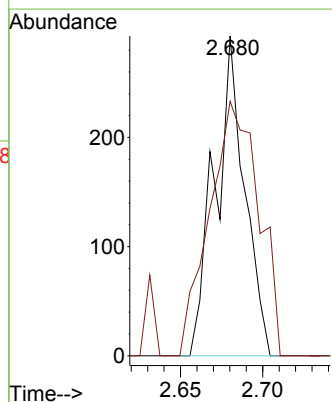
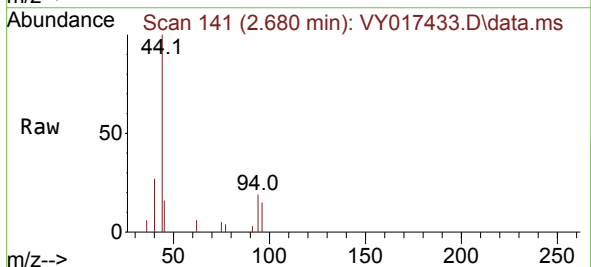
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

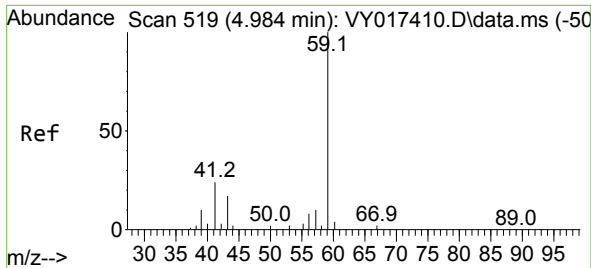
Tgt Ion:168 Resp: 113560
Ion Ratio Lower Upper
168 100
99 50.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.680 min Scan# 141
Delta R.T. 0.024 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 79.5 74.1 111.1

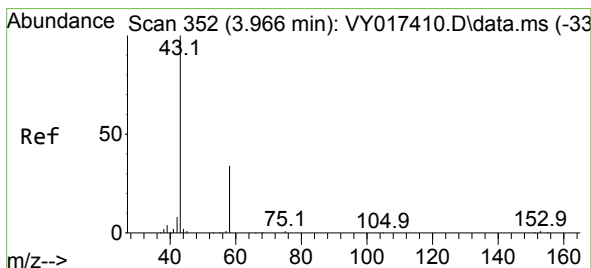
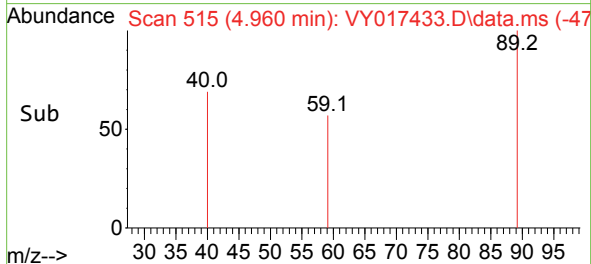
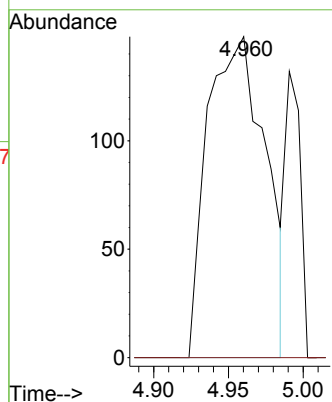
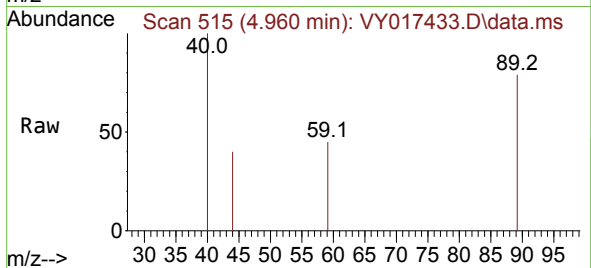




#11
Tert butyl alcohol
Concen: 5.276 ug/l
RT: 4.960 min Scan# 519
Delta R.T. -0.024 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

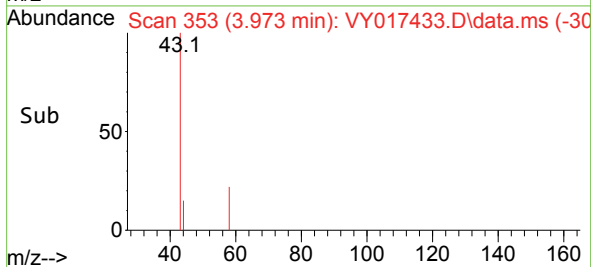
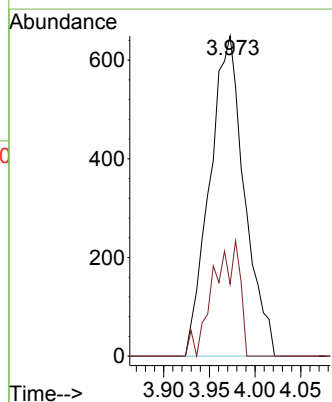
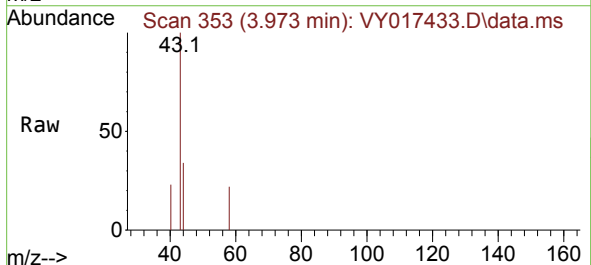
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

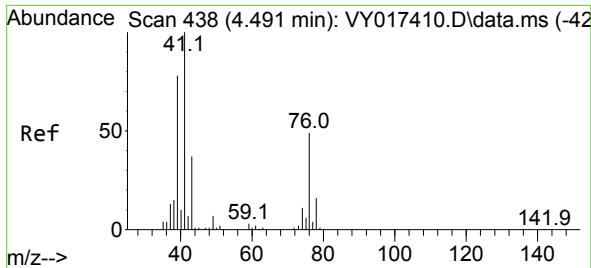
Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#16
Acetone
Concen: 8.187 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
58 22.5 31.7 47.5#

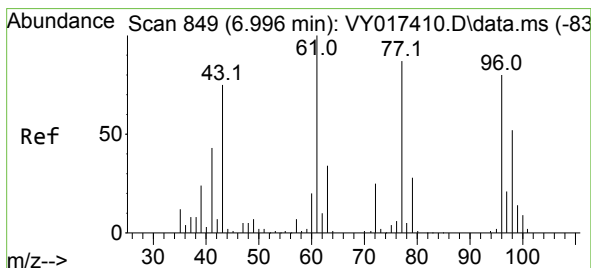
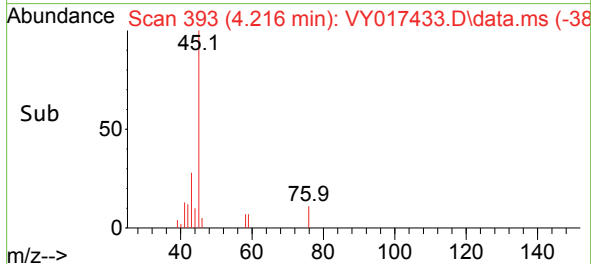
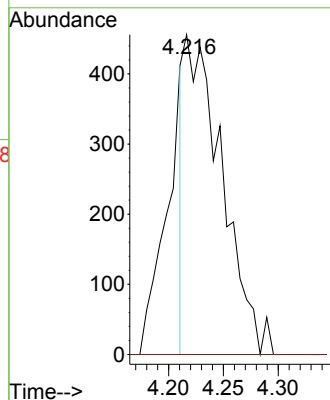
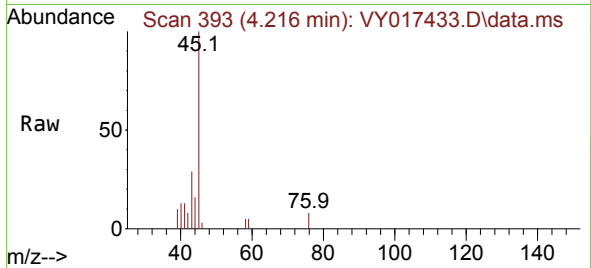




#18
Methyl Acetate
Concen: 2.267 ug/l
RT: 4.216 min Scan# 393
Delta R.T. -0.274 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

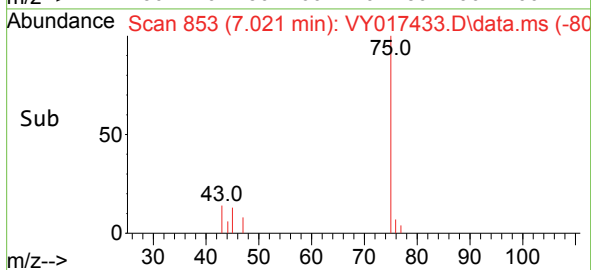
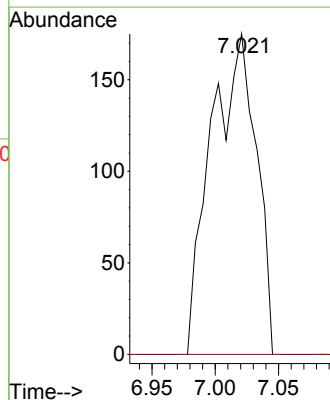
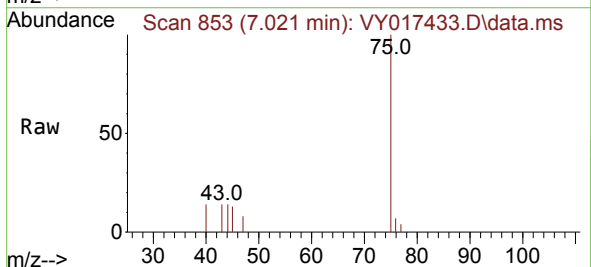
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

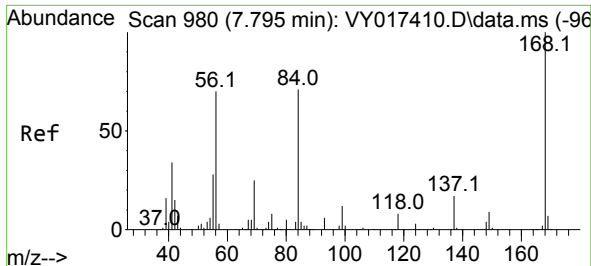
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#25
2-Butanone
Concen: 1.475 ug/l
RT: 7.021 min Scan# 853
Delta R.T. 0.024 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

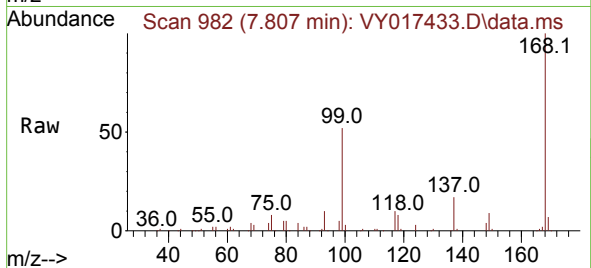
Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



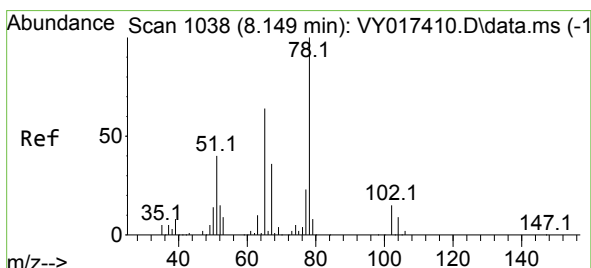
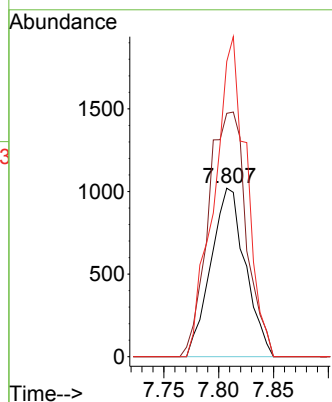
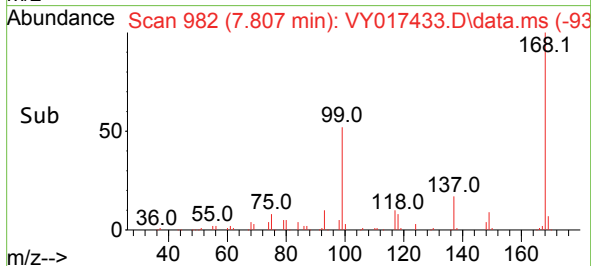


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

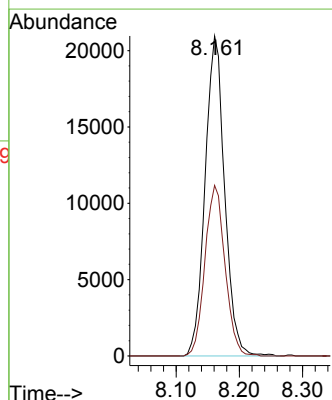
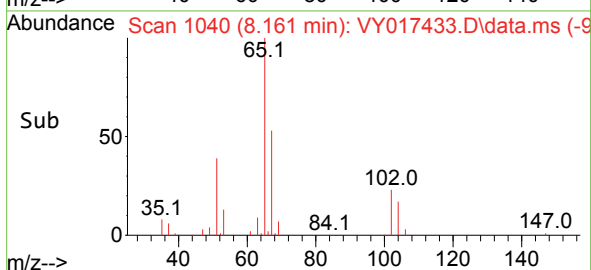
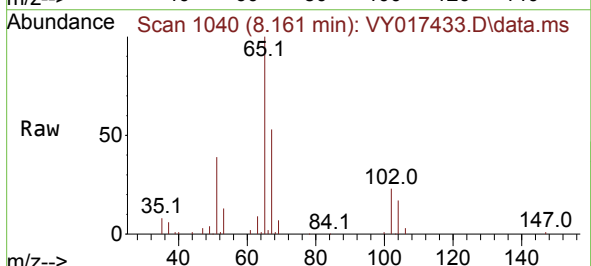


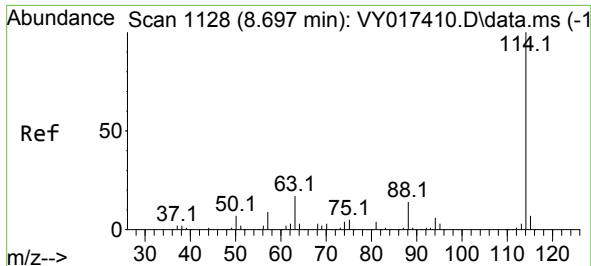
Tgt Ion: 56 Resp: 2232
Ion Ratio Lower Upper
56 100
69 144.4 28.7 43.1#
84 175.2 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 46.436 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Tgt Ion: 65 Resp: 45049
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6

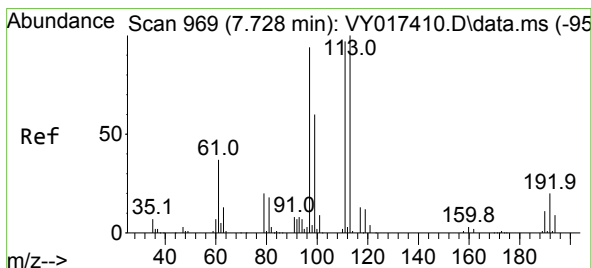
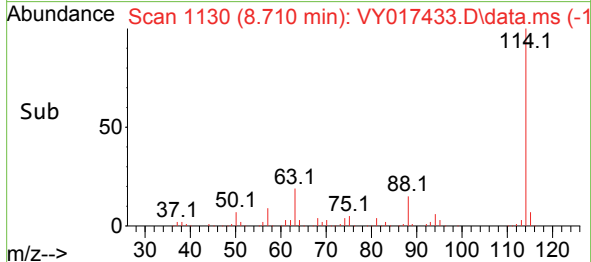
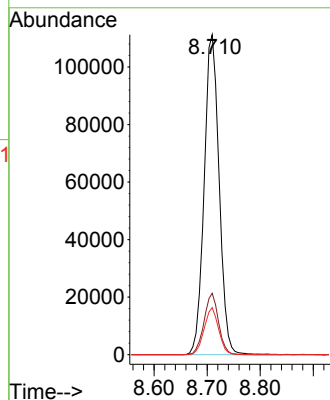
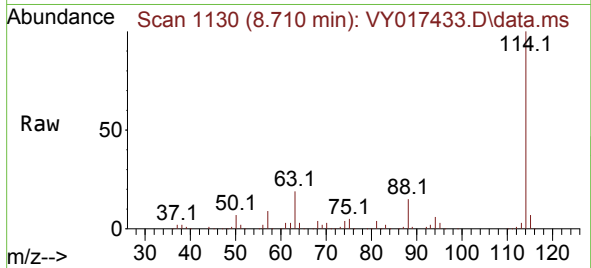




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.710 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

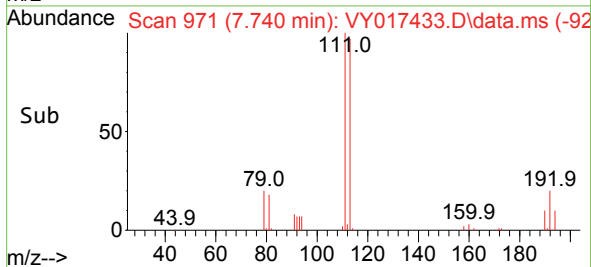
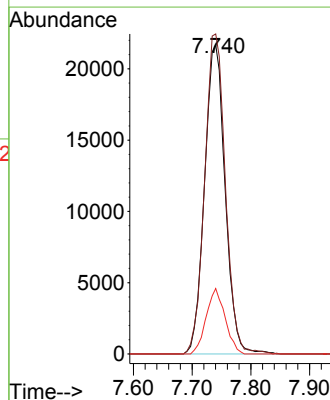
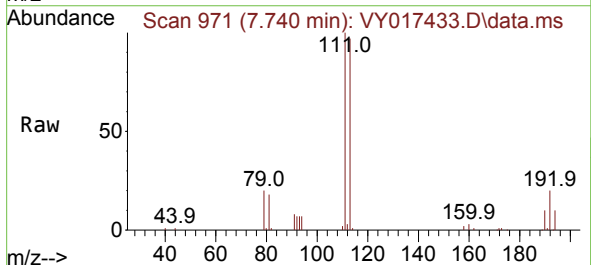
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

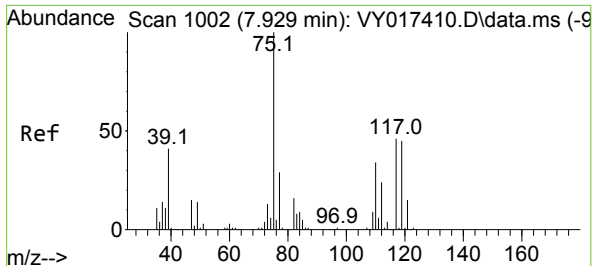
Tgt Ion:114 Resp: 217880
Ion Ratio Lower Upper
114 100
63 19.2 0.0 35.0
88 14.7 0.0 27.2



#35
Dibromofluoromethane
Concen: 41.389 ug/l
RT: 7.740 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

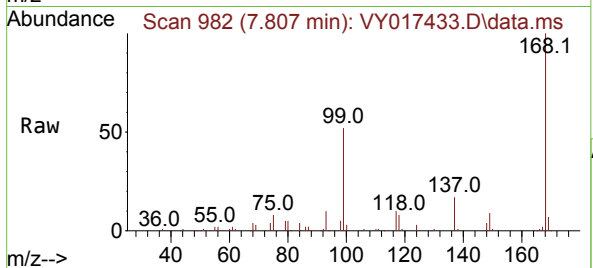
Tgt Ion:113 Resp: 52787
Ion Ratio Lower Upper
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111 104.1 82.2 123.4
192 19.5 15.9 23.9



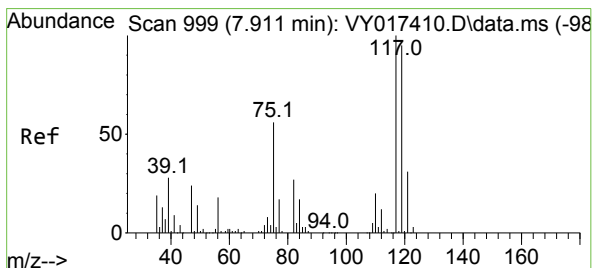
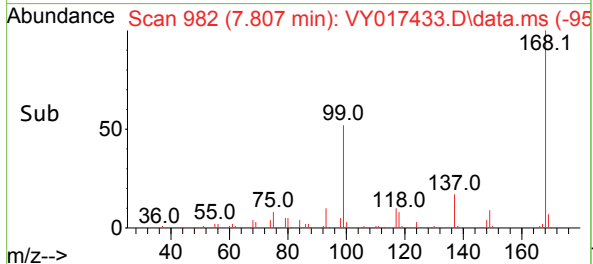
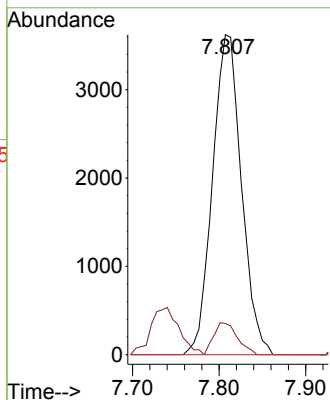


#36
1,1-Dichloropropene
Concen: 3.941 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

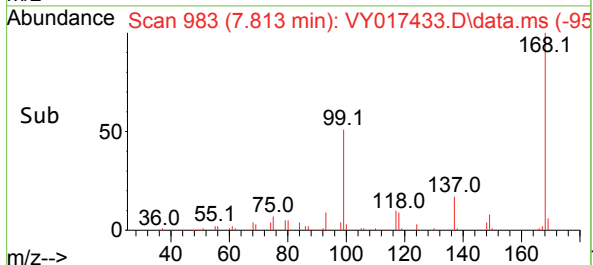
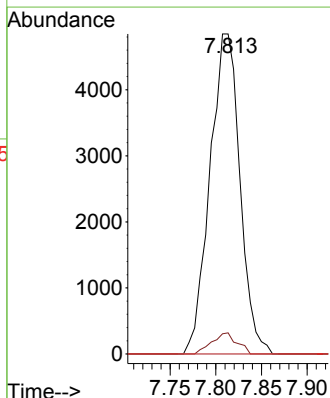
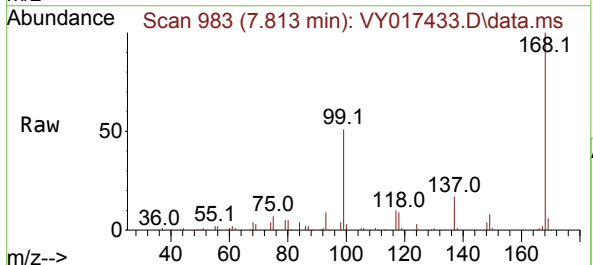


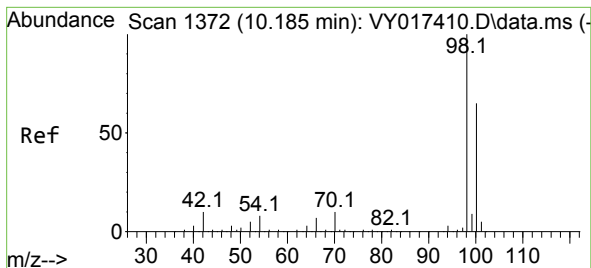
Tgt Ion: 75 Resp: 8394
Ion Ratio Lower Upper
75 100
110 8.2 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.097 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Tgt Ion: 117 Resp: 11074
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 38.714 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017433.D

Acq: 21 Feb 2024 13:21

Instrument :

MSVOA_Y

ClientSampleId :

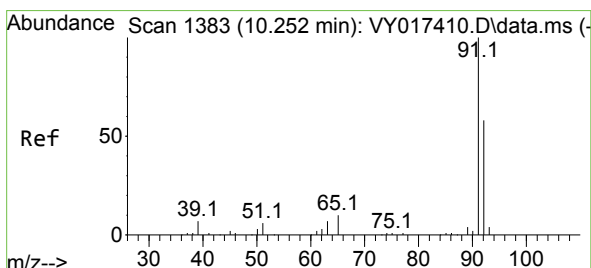
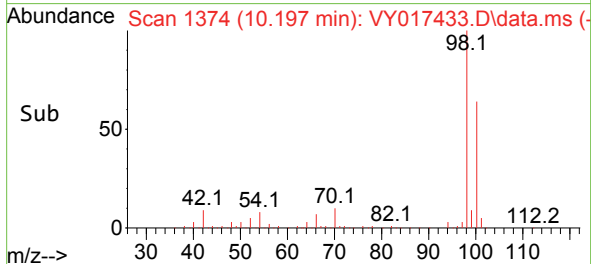
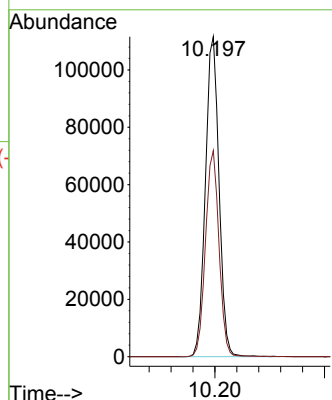
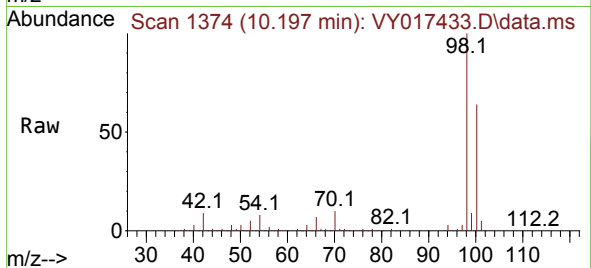
OR-03-022024

Tgt Ion: 98 Resp: 191496

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#52

Toluene

Concen: 1.056 ug/l

RT: 10.264 min Scan# 1385

Delta R.T. 0.012 min

Lab File: VY017433.D

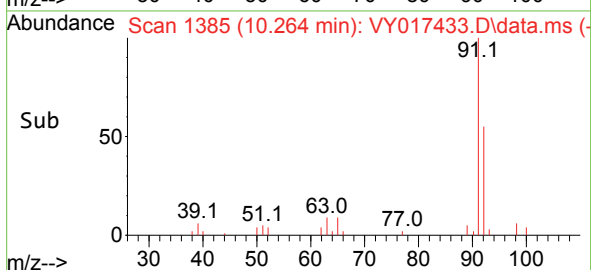
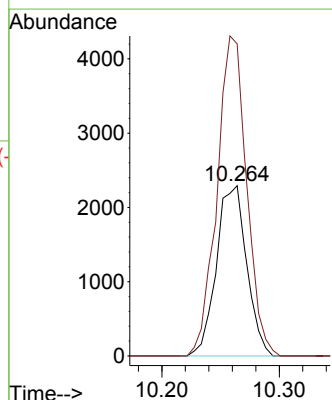
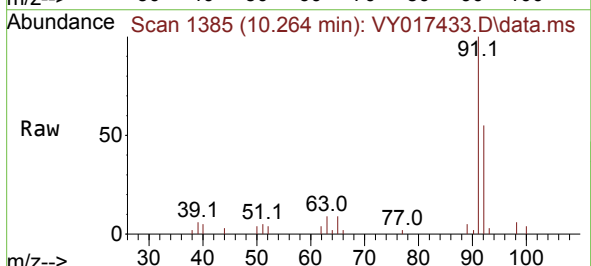
Acq: 21 Feb 2024 13:21

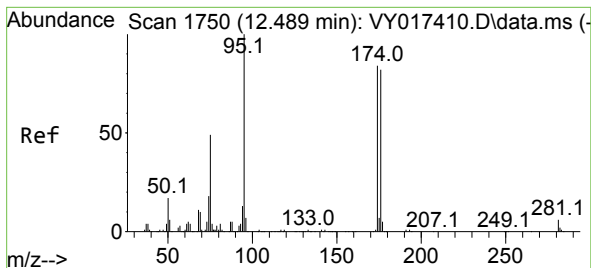
Tgt Ion: 92 Resp: 4101

Ion Ratio Lower Upper

92 100

91 184.1 139.0 208.6

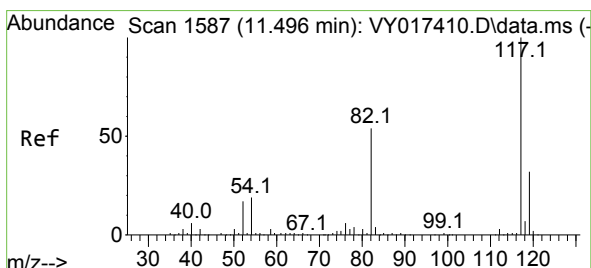
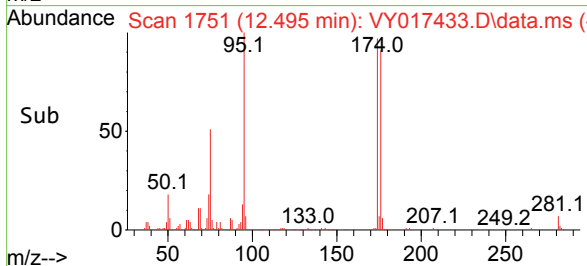
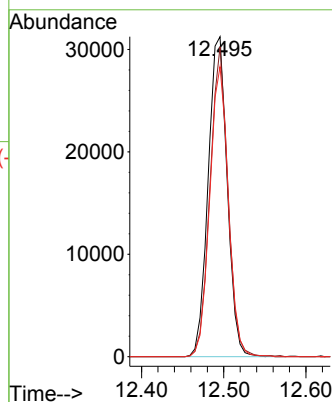
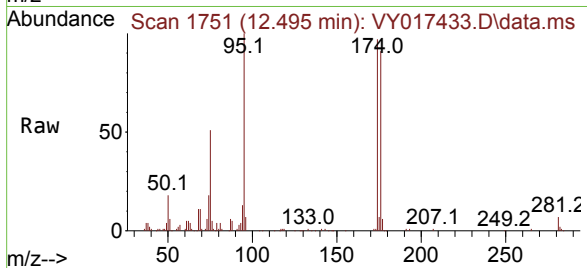




#62
4-Bromofluorobenzene
Concen: 31.137 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

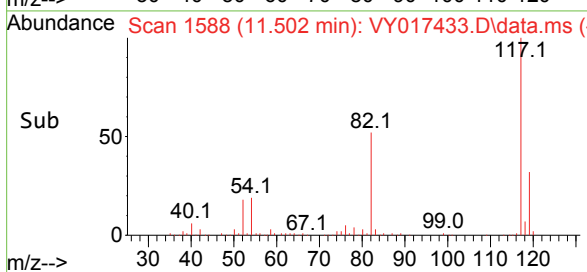
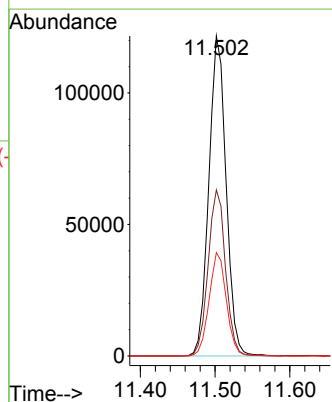
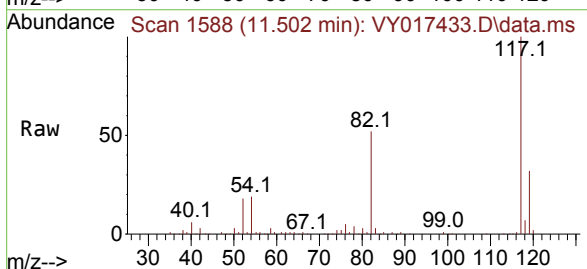
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

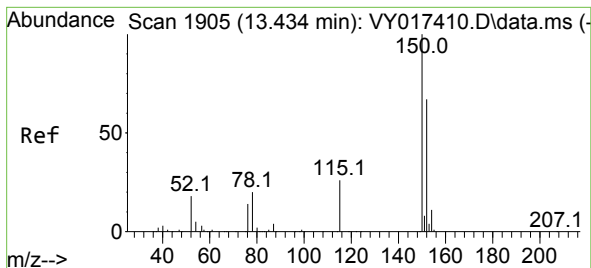
Tgt Ion: 95 Resp: 50253
Ion Ratio Lower Upper
95 100
174 91.3 0.0 175.6
176 88.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Tgt Ion: 117 Resp: 195189
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 32.3 25.9 38.9

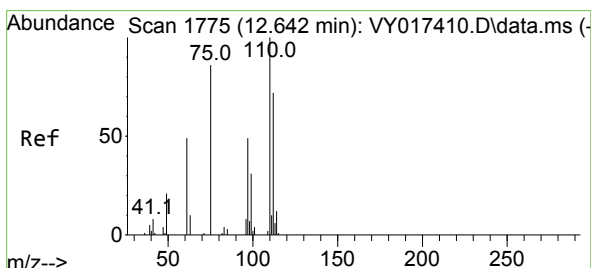
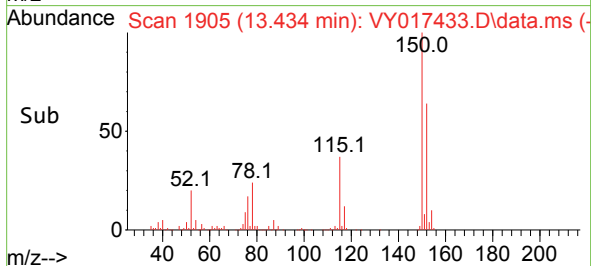
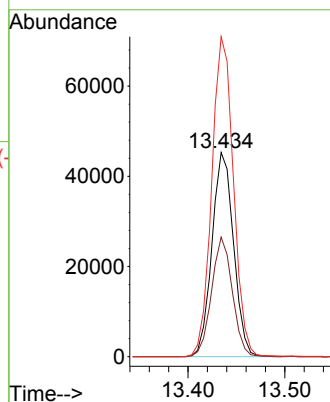
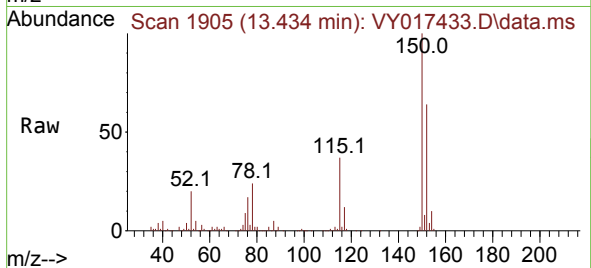




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY017433.D
 Acq: 21 Feb 2024 13:21

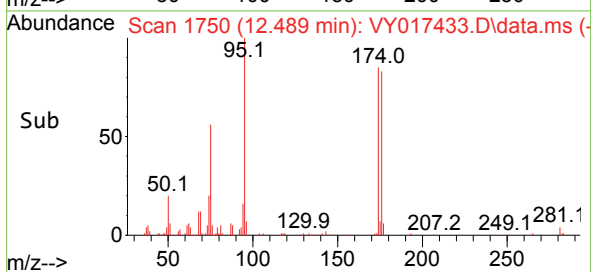
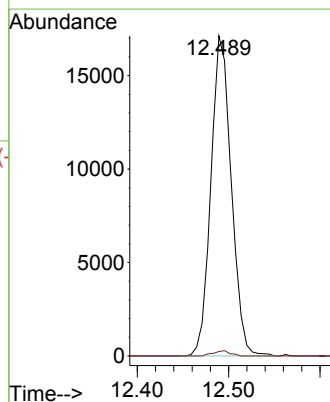
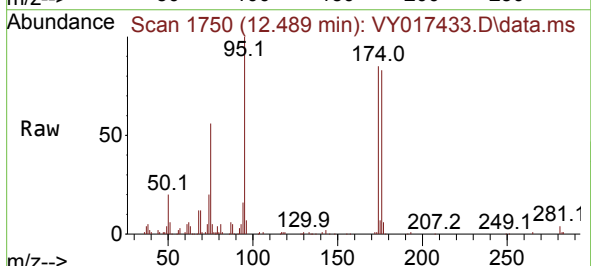
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-022024

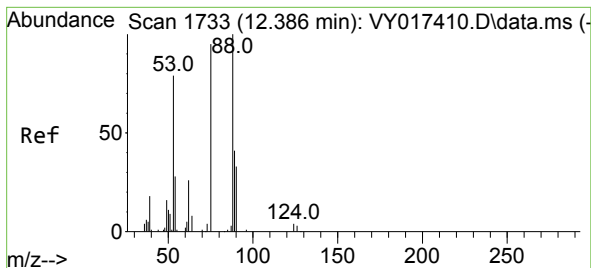
Tgt Ion:152 Resp: 70172
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.2 84.7
 150 157.6 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 38.905 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY017433.D
 Acq: 21 Feb 2024 13:21

Tgt Ion: 75 Resp: 26470
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

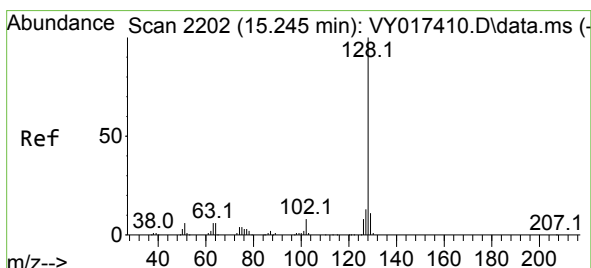
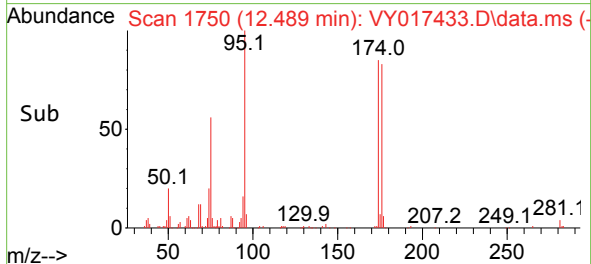
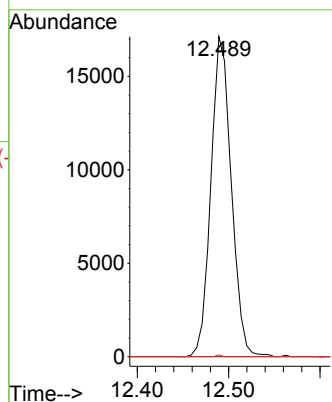
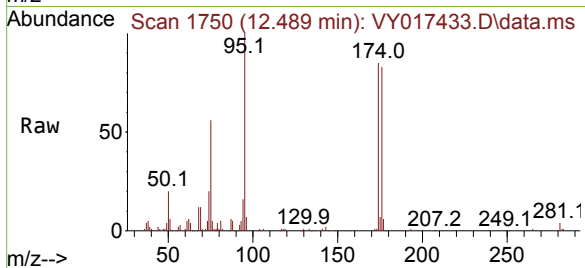




#81
trans-1,4-Dichloro-2-butene
Concen: 90.708 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-022024

Tgt Ion: 75 Resp: 26470
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 5.597 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017433.D
Acq: 21 Feb 2024 13:21

Tgt Ion: 128 Resp: 4647
Ion Ratio Lower Upper
128 100
127 12.2 10.6 16.0
129 9.9 8.6 13.0

