

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011724\
 Data File : VY017021.D
 Acq On : 17 Jan 2024 19:15
 Operator : SY/MD
 Sample : P1152-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 18 00:47:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

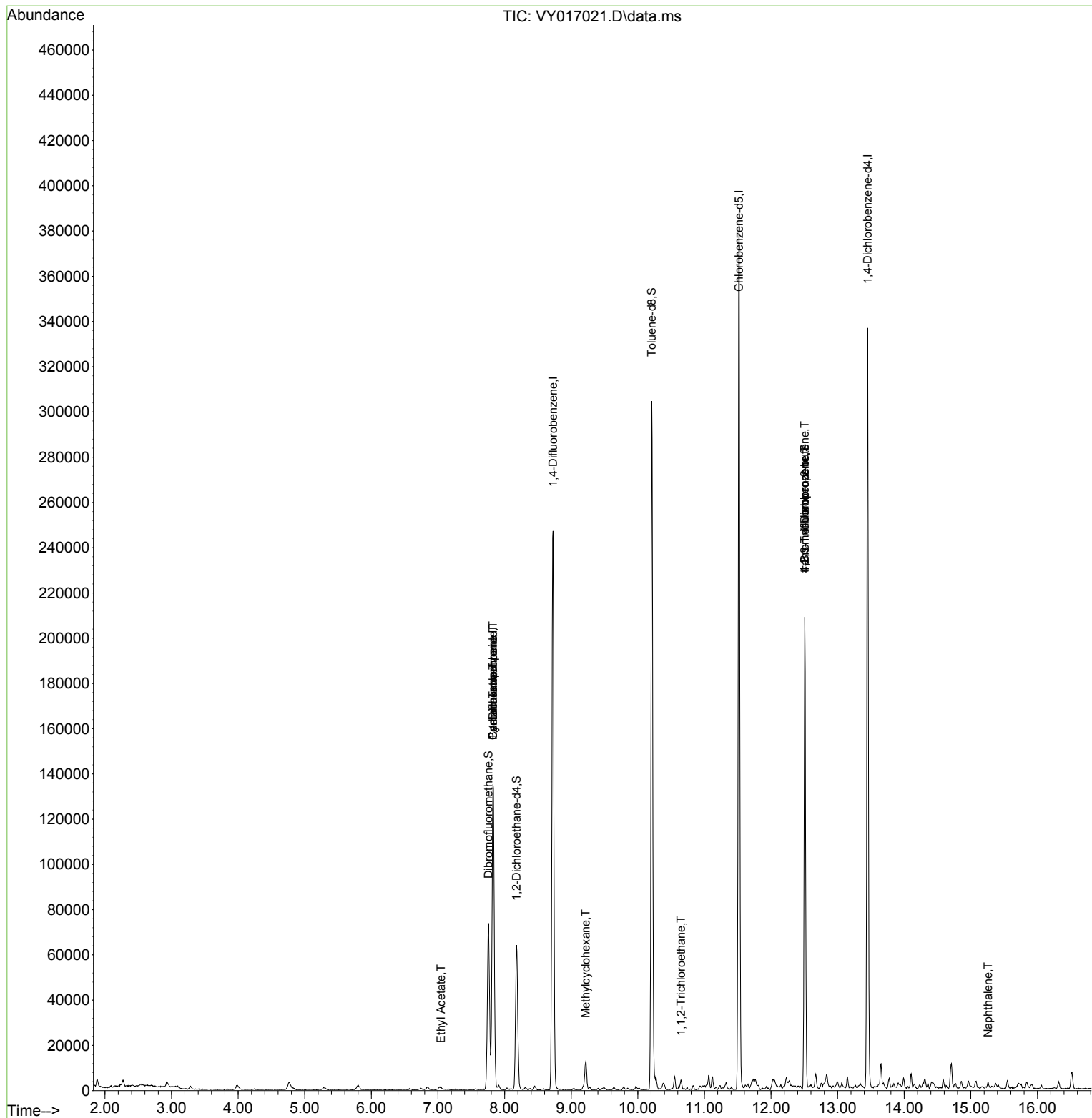
Internal Standards						
1) Pentafluorobenzene	7.826	168	102068	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.728	114	217770	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.520	117	210889	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.453	152	82879	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.179	65	47289	46.876	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.760%
35) Dibromofluoromethane	7.758	113	51769	37.305	ug/l	0.03
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.620%
50) Toluene-d8	10.209	98	196912	41.207	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.420%
62) 4-Bromofluorobenzene	12.508	95	63622	39.462	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.009	59	19	Below Cal	#	75
16) Acetone	3.985	43	3534	Below Cal		90
20) Methylene Chloride	4.765	84	2080	Below Cal		95
25) 2-Butanone	7.045	43	1004	Below Cal		96
31) Cyclohexane	7.826	56	3474	2.006	ug/l #	27
36) 1,1-Dichloropropene	7.826	75	8526	4.216	ug/l #	49
37) Ethyl Acetate	7.045	43	1004	1.092	ug/l #	69
38) Carbon Tetrachloride	7.826	117	10813	5.263	ug/l #	18
39) Methylcyclohexane	9.216	83	4697	2.066	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	1406	1.207	ug/l #	22
76) 1,2,3-Trichloropropane	12.508	75	33935	37.731	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.508	75	33935	85.678	ug/l #	12
95) Naphthalene	15.257	128	2369	1.673	ug/l #	95

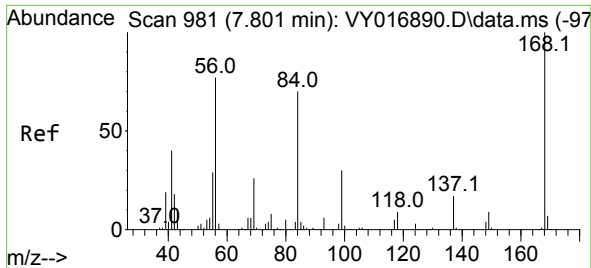
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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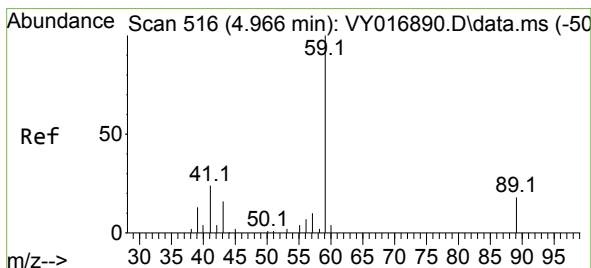
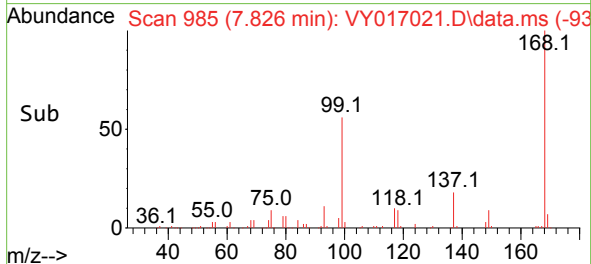
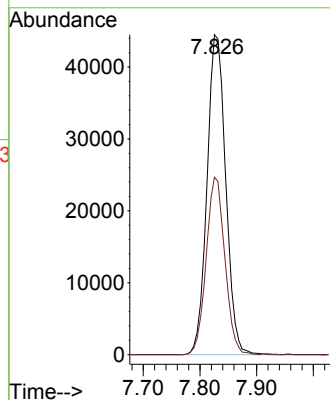
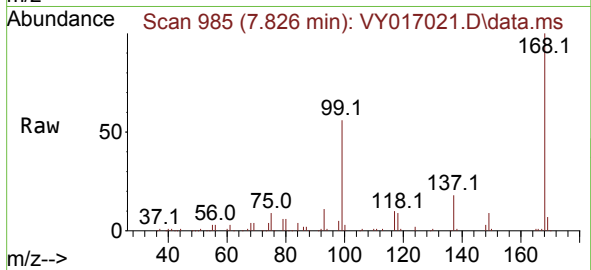




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

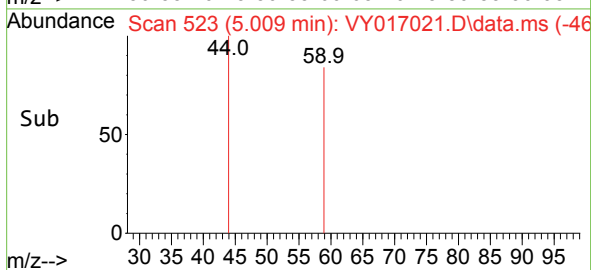
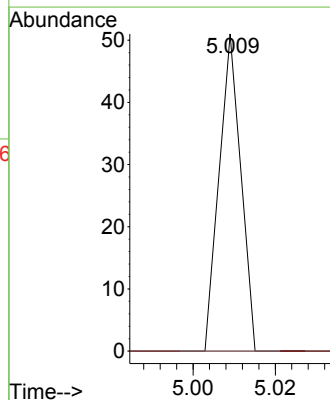
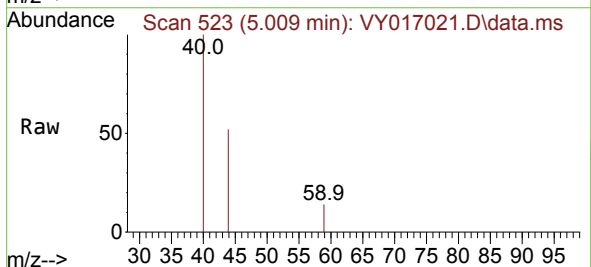
Instrument :
MSVOA_Y
ClientSampleId :

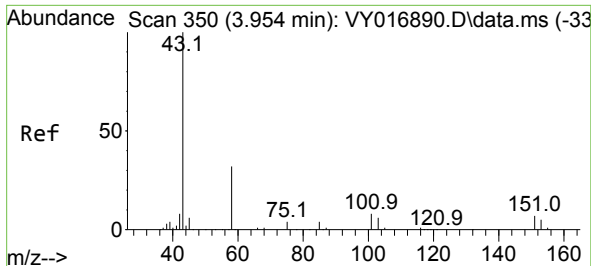
Tgt Ion:168 Resp: 102068
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.009 min Scan# 523
Delta R.T. 0.043 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.985 min Scan# 3

Delta R.T. 0.025 min

Lab File: VY017021.D

Acq: 17 Jan 2024 19:15

Instrument :

MSVOA_Y

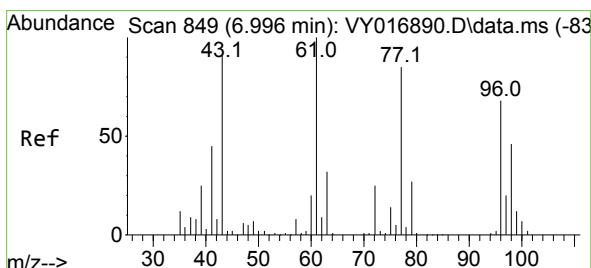
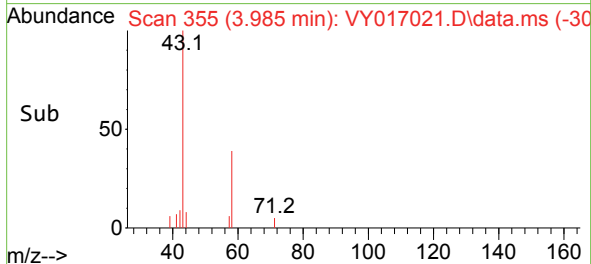
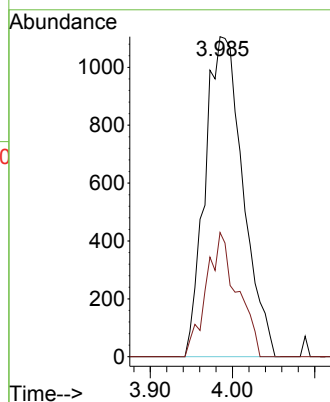
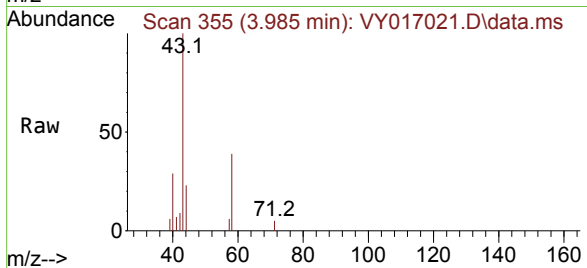
ClientSampleId :

Tgt Ion: 43 Resp: 3534

Ion Ratio Lower Upper

43 100

58 38.8 26.6 39.8



#25

2-Butanone

Concen: Below Cal

RT: 7.045 min Scan# 857

Delta R.T. 0.049 min

Lab File: VY017021.D

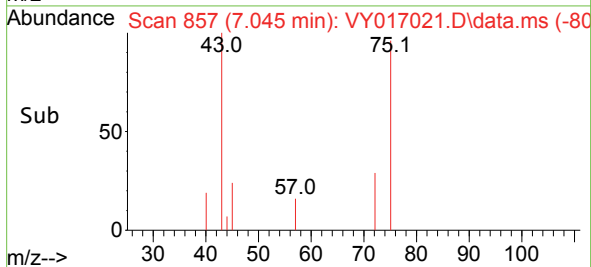
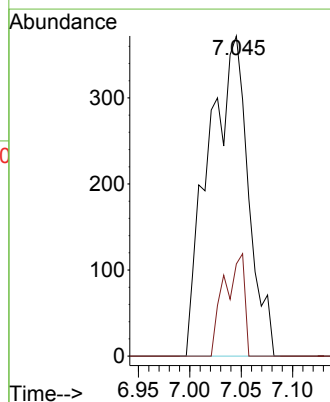
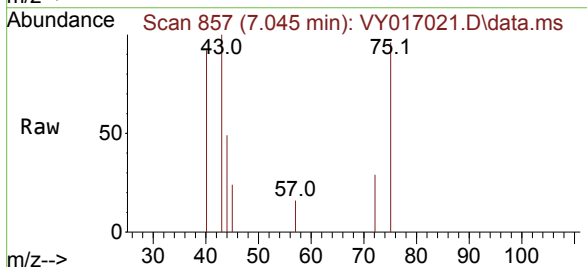
Acq: 17 Jan 2024 19:15

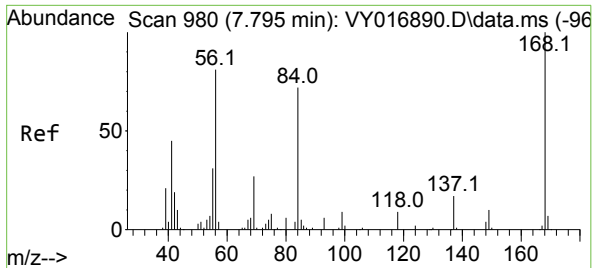
Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

43 100

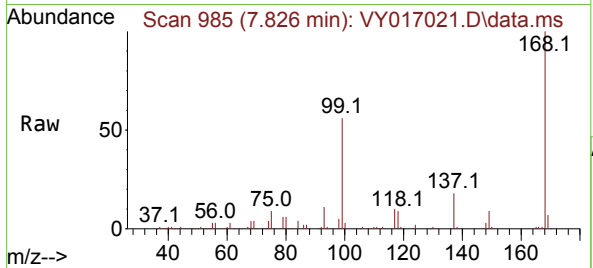
72 28.8 21.4 32.2



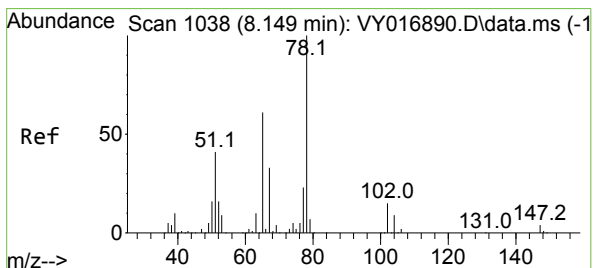
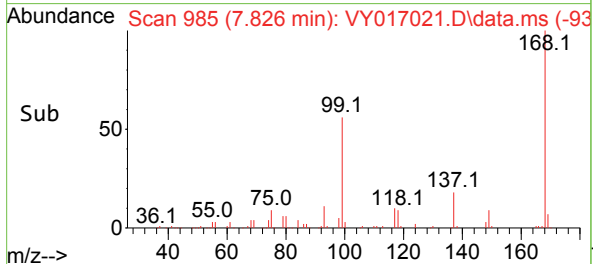
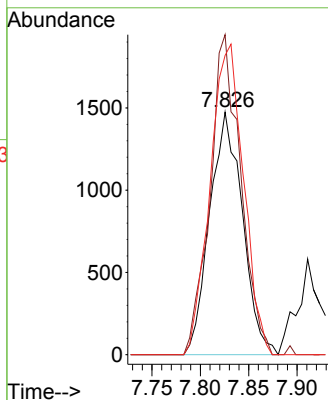


#31
Cyclohexane
Concen: 2.006 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Instrument :
MSVOA_Y
ClientSampleId :

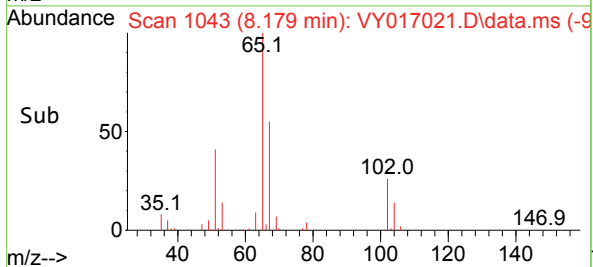
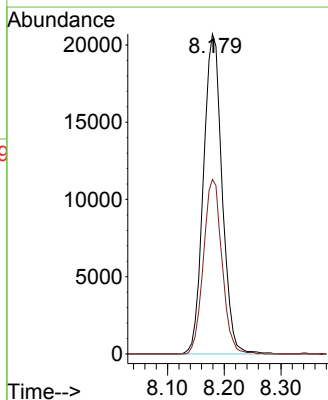
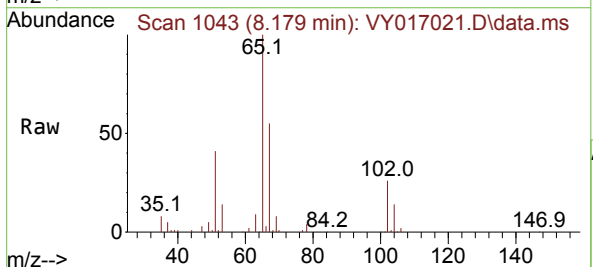


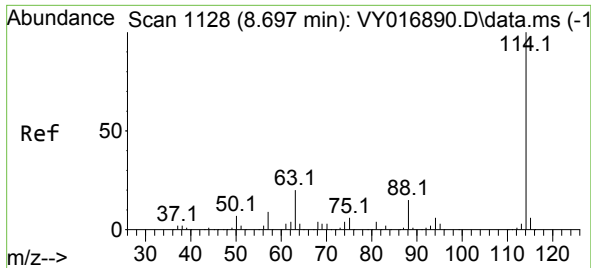
Tgt Ion: 56 Resp: 3474
Ion Ratio Lower Upper
56 100
69 132.0 27.0 40.6#
84 123.4 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 46.876 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.024 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Tgt Ion: 65 Resp: 47289
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.0

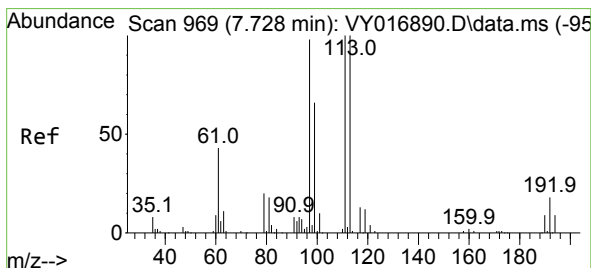
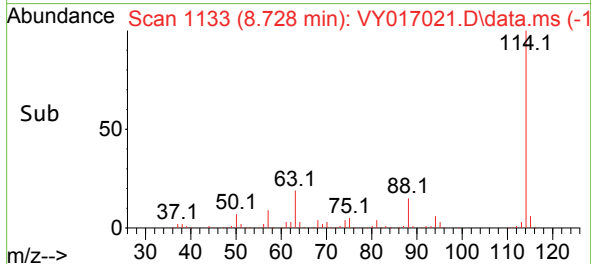
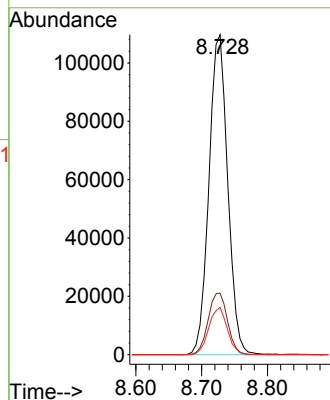
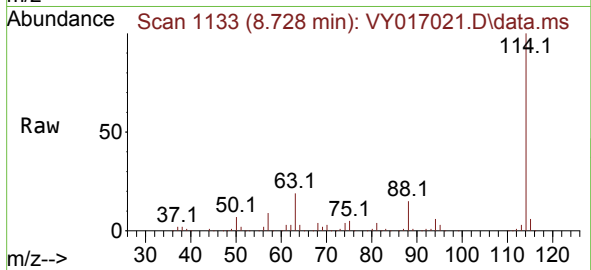




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.728 min Scan# 1128
 Delta R.T. 0.025 min
 Lab File: VY017021.D
 Acq: 17 Jan 2024 19:15

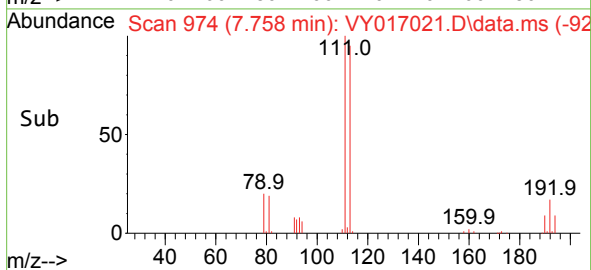
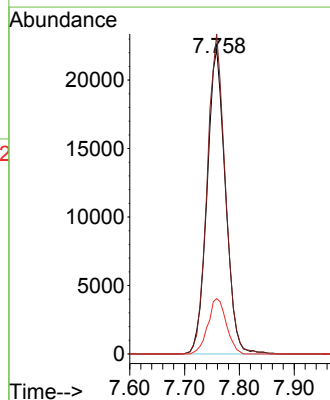
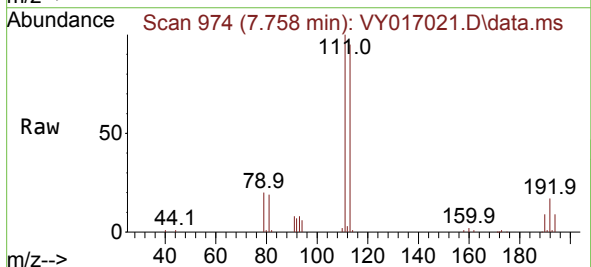
Instrument :
 MSVOA_Y
 ClientSampleId :

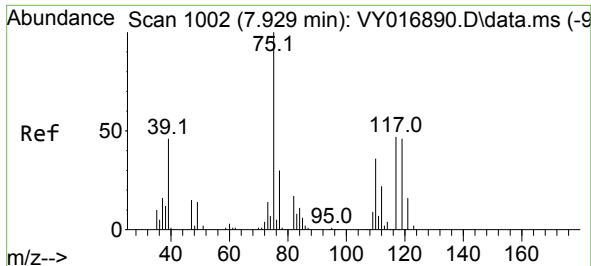
Tgt Ion:114 Resp: 217770
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.4
 88 14.8 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 37.305 ug/l
 RT: 7.758 min Scan# 974
 Delta R.T. 0.030 min
 Lab File: VY017021.D
 Acq: 17 Jan 2024 19:15

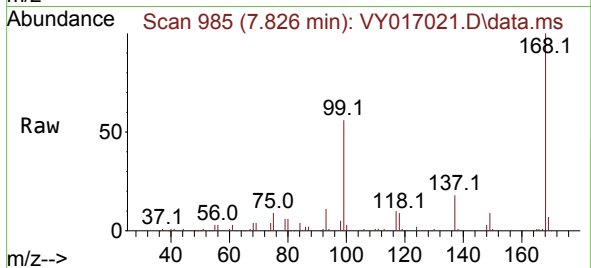
Tgt Ion:113 Resp: 51769
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.8 125.6
 192 18.2 14.5 21.7



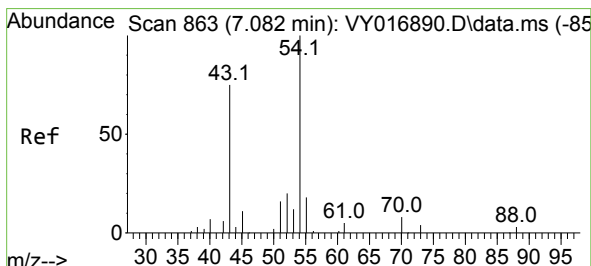
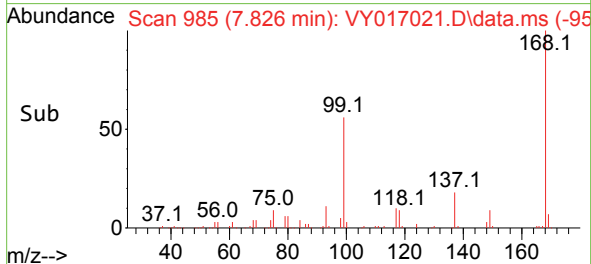
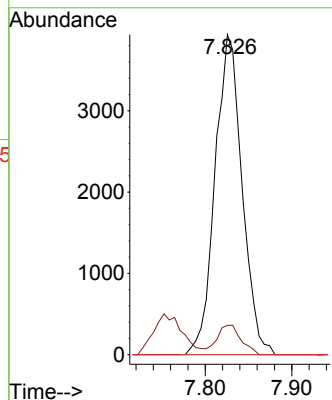


#36
1,1-Dichloropropene
Concen: 4.216 ug/l
RT: 7.826 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Instrument :
MSVOA_Y
ClientSampleId :

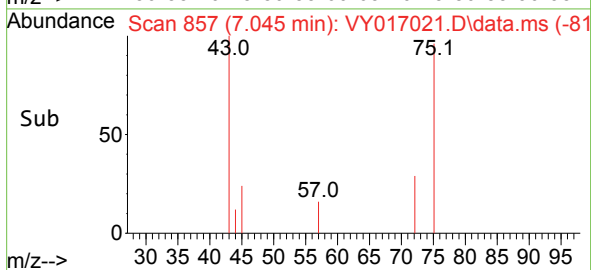
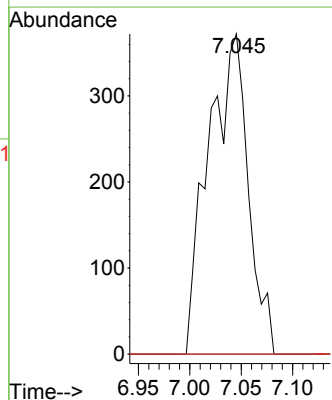
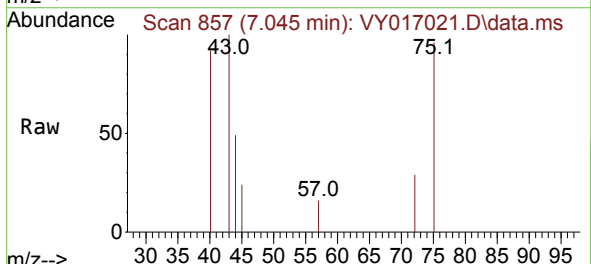


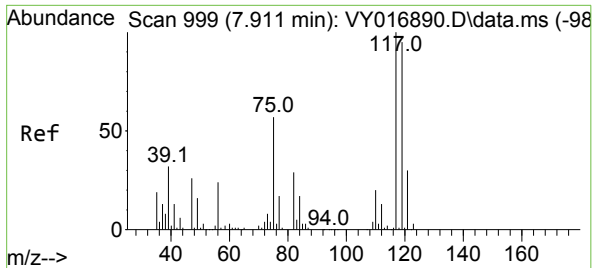
Tgt Ion: 75 Resp: 8526
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.092 ug/l
RT: 7.045 min Scan# 857
Delta R.T. -0.043 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

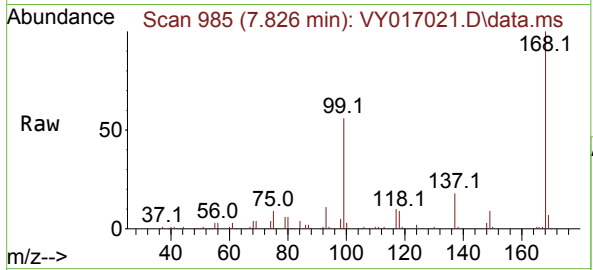
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.1 12.1#



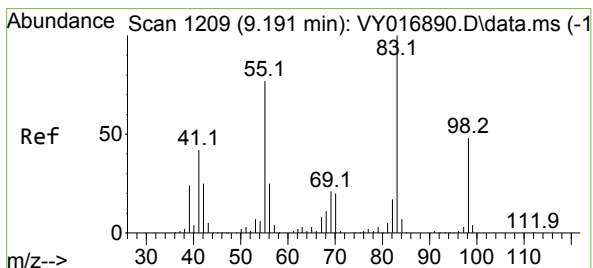
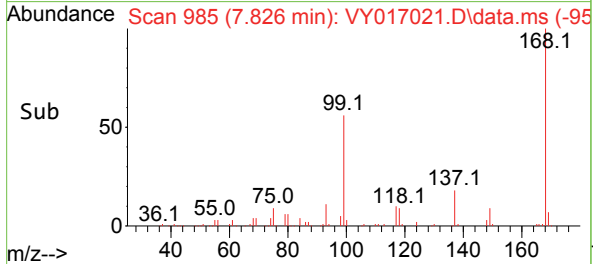
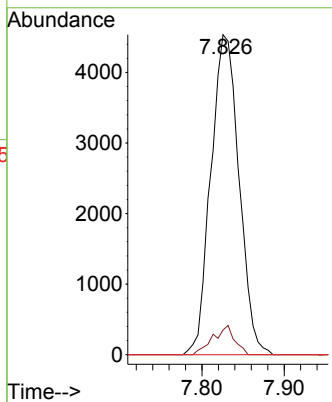


#38
Carbon Tetrachloride
Concen: 5.263 ug/l
RT: 7.826 min Scan# 91
Delta R.T. -0.091 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Instrument :
MSVOA_Y
ClientSampleId :

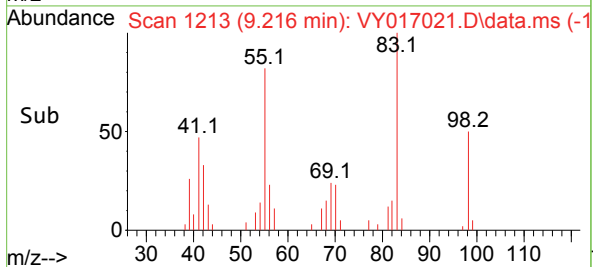
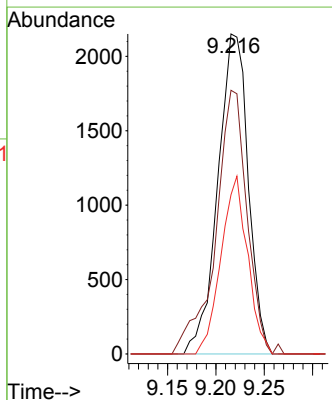
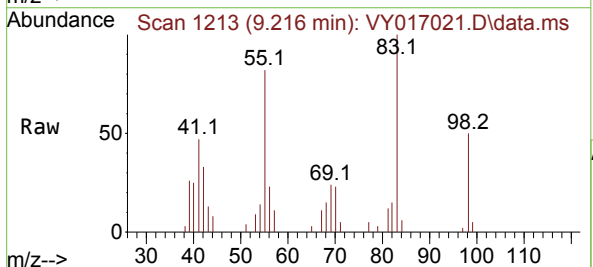


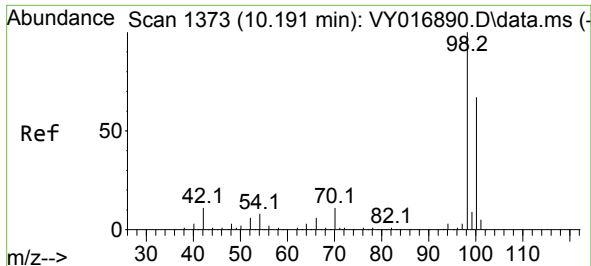
Tgt Ion:117 Resp: 10813
Ion Ratio Lower Upper
117 100
119 7.7 76.0 114.0#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 2.066 ug/l
RT: 9.216 min Scan# 1213
Delta R.T. 0.025 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Tgt Ion: 83 Resp: 4697
Ion Ratio Lower Upper
83 100
55 79.3 59.7 89.5
98 49.7 38.0 57.0

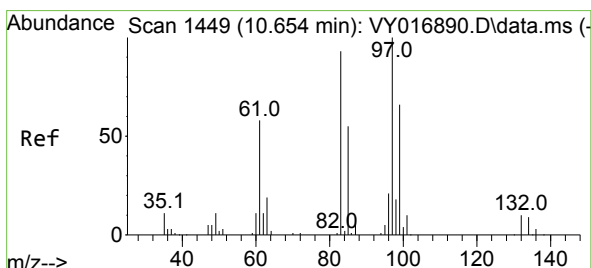
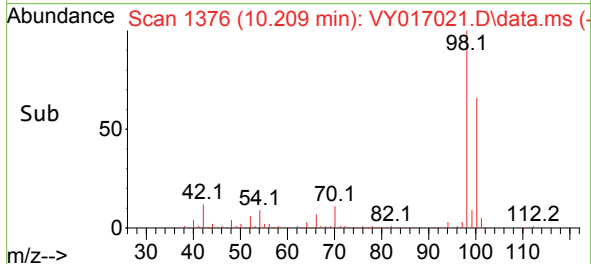
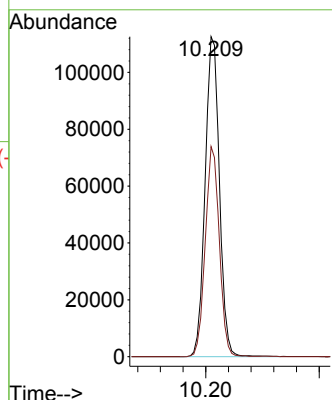
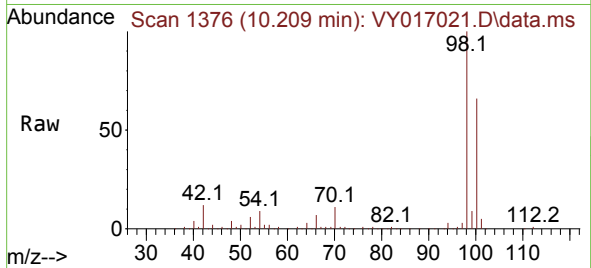




#50
Toluene-d8
Concen: 41.207 ug/l
RT: 10.209 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

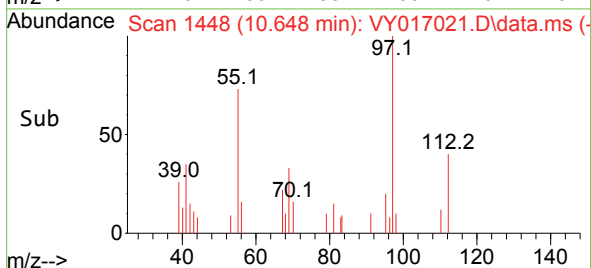
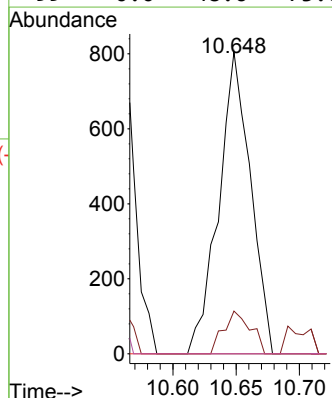
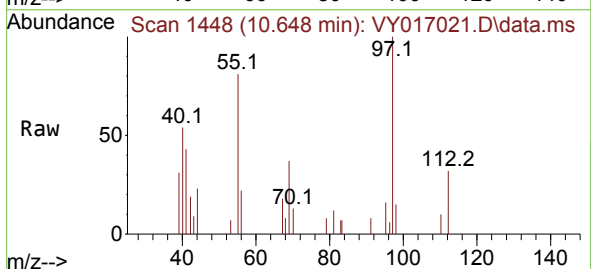
Instrument :
MSVOA_Y
ClientSampleId :

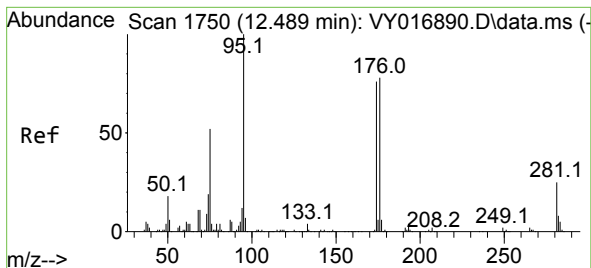
Tgt Ion: 98 Resp: 196912
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 1.207 ug/l
RT: 10.648 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Tgt Ion: 97 Resp: 1406
Ion Ratio Lower Upper
97 100
83 14.2 69.4 104.2#
85 0.0 43.9 65.9#
99 0.0 48.6 73.0#

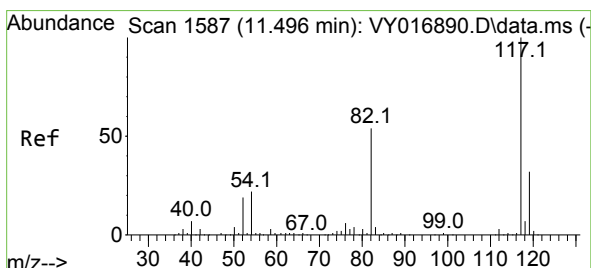
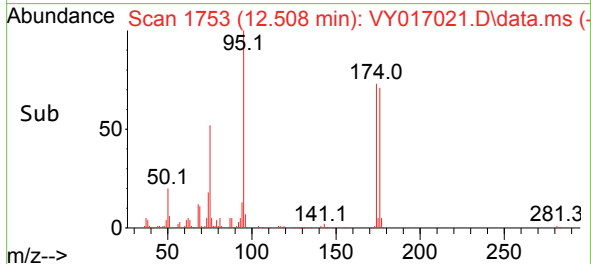
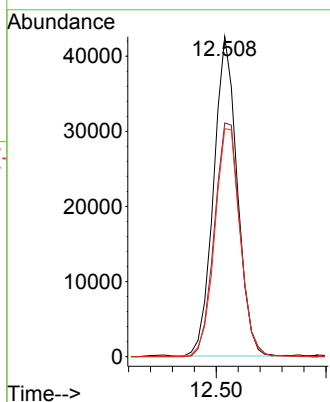
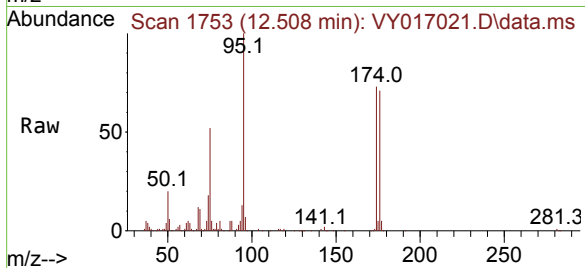




#62
4-Bromofluorobenzene
Concen: 39.462 ug/l
RT: 12.508 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

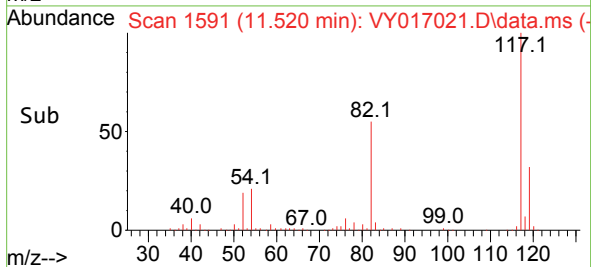
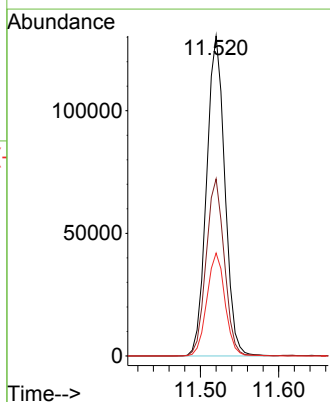
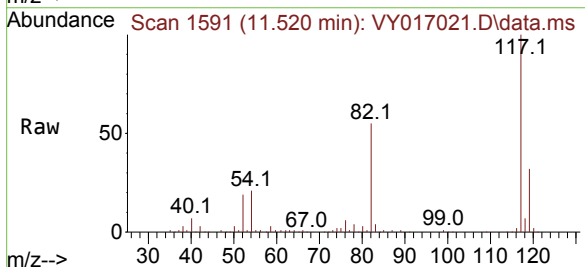
Instrument :
MSVOA_Y
ClientSampleId :

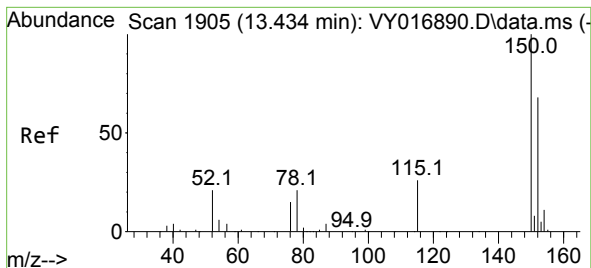
Tgt Ion: 95 Resp: 63622
Ion Ratio Lower Upper
95 100
174 79.5 0.0 160.0
176 76.9 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.018 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Tgt Ion: 117 Resp: 210889
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 32.1 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.453 min Scan# 1905

Delta R.T. 0.019 min

Lab File: VY017021.D

Acq: 17 Jan 2024 19:15

Instrument :

MSVOA_Y

ClientSampleId :

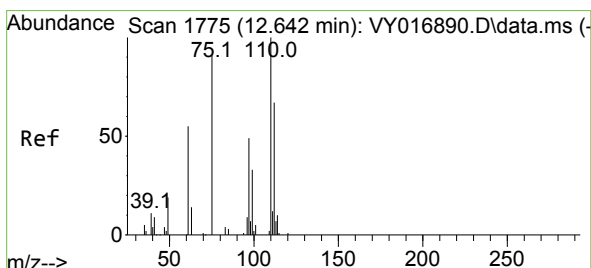
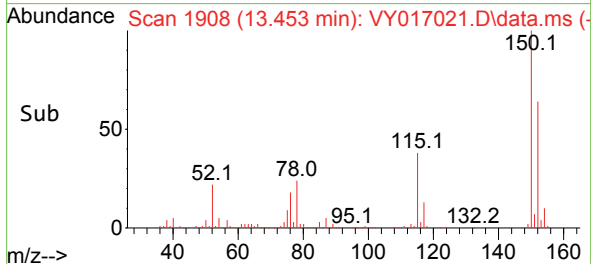
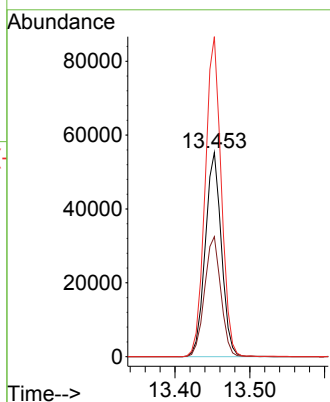
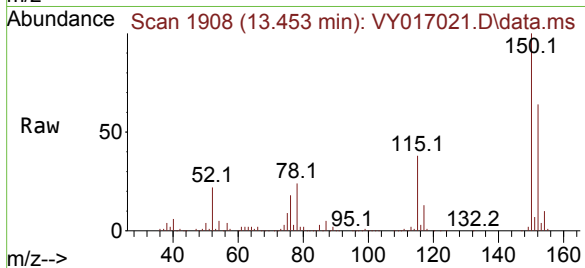
Tgt Ion:152 Resp: 82879

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 156.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 37.731 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. -0.134 min

Lab File: VY017021.D

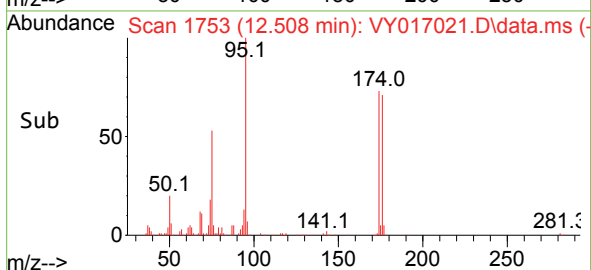
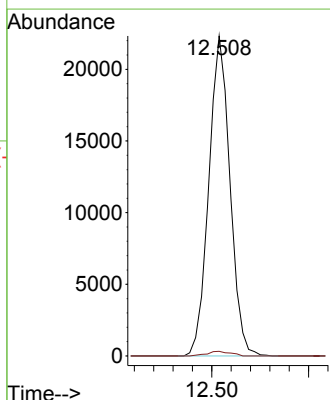
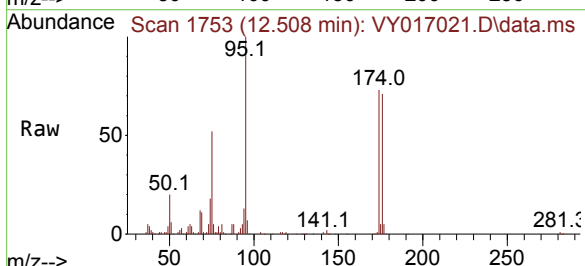
Acq: 17 Jan 2024 19:15

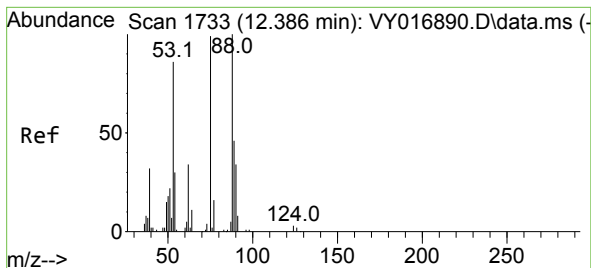
Tgt Ion: 75 Resp: 33935

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

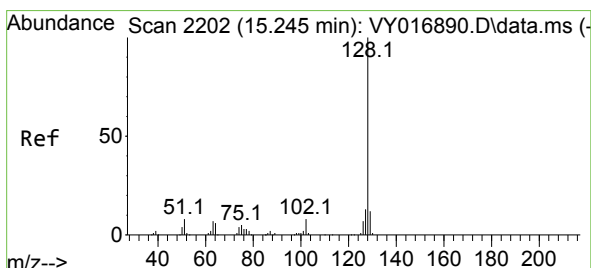
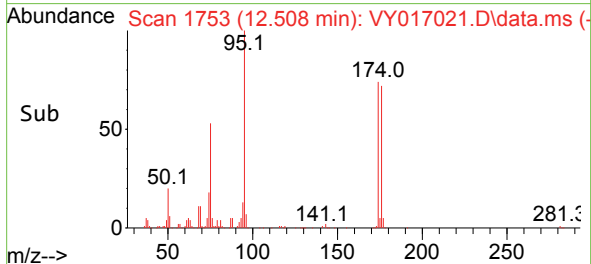
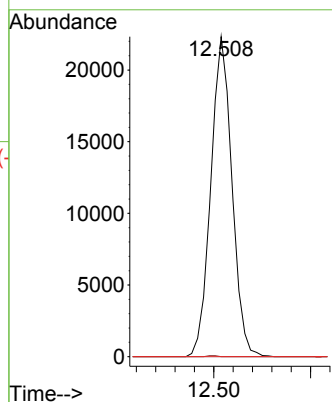
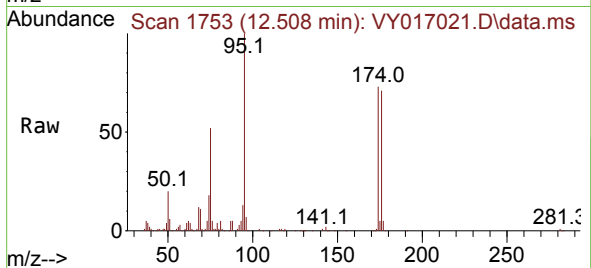




#81
trans-1,4-Dichloro-2-butene
Concen: 85.678 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.123 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 33935
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 1.673 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY017021.D
Acq: 17 Jan 2024 19:15

Tgt Ion:128 Resp: 2369
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.4
129 13.2 8.6 12.8#

