

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011724\
 Data File : VY017018.D
 Acq On : 17 Jan 2024 18:05
 Operator : SY/MD
 Sample : P1140-03RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 18 00:46:01 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)

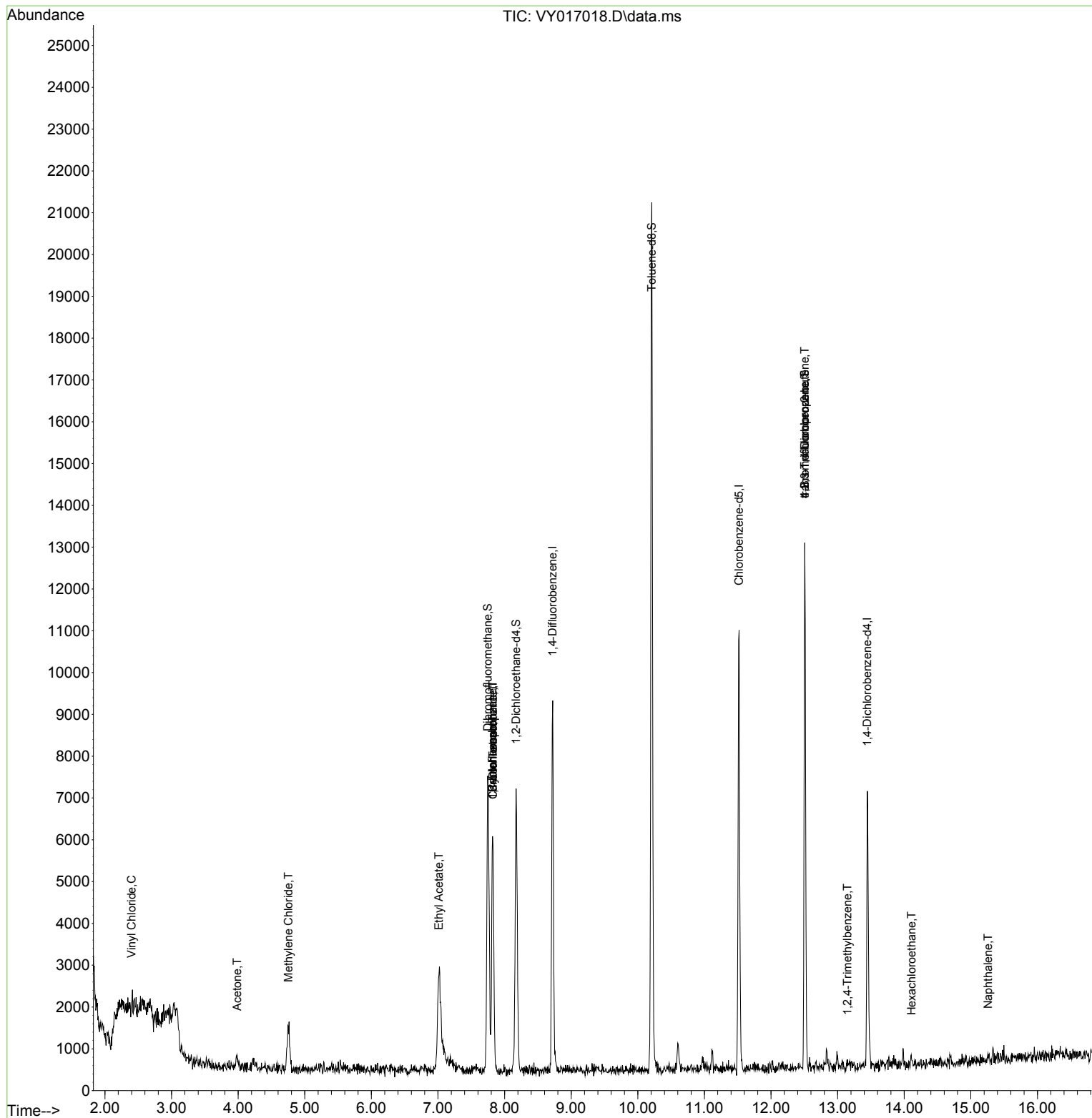
Internal Standards						
1) Pentafluorobenzene	7.819	168	4522	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	7988	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.520	117	6563	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.446	152	1821	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	5408	121.001	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 242.000%#	
35) Dibromofluoromethane	7.746	113	5357	105.241	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 210.480%#	
50) Toluene-d8	10.209	98	14909	85.056	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 170.120%#	
62) 4-Bromofluorobenzene	12.507	95	3865	65.355	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 130.720%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.400	62	69	1.101	ug/l #	43
11) Tert butyl alcohol	4.978	59	21	Below Cal	#	75
16) Acetone	3.985	43	556	29.151	ug/l #	41
20) Methylene Chloride	4.753	84	838	8.370	ug/l #	90
25) 2-Butanone	7.015	43	116	Below Cal	#	48
31) Cyclohexane	7.819	56	85	1.108	ug/l #	73
36) 1,1-Dichloropropene	7.825	75	579	7.805	ug/l #	42
37) Ethyl Acetate	7.015	43	116	3.441	ug/l #	85
38) Carbon Tetrachloride	7.825	117	466	6.183	ug/l #	12
76) 1,2,3-Trichloropropane	12.507	75	1994	100.905	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.507	75	1994	229.130	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.148	105	125	1.079	ug/l #	32
90) Hexachloroethane	14.111	117	167	6.135	ug/l #	17
95) Naphthalene	15.257	128	176	4.389	ug/l #	69

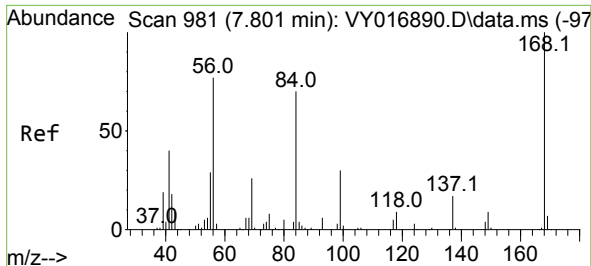
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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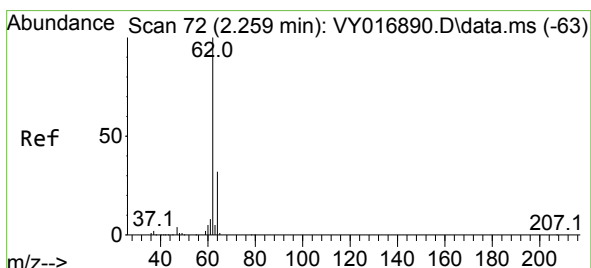
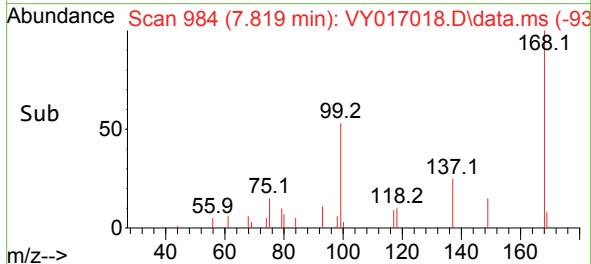
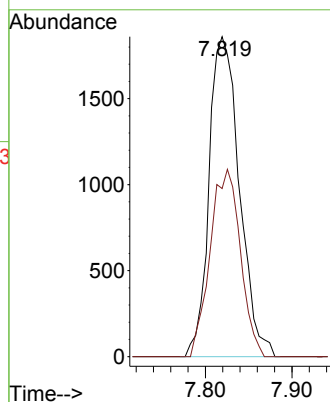
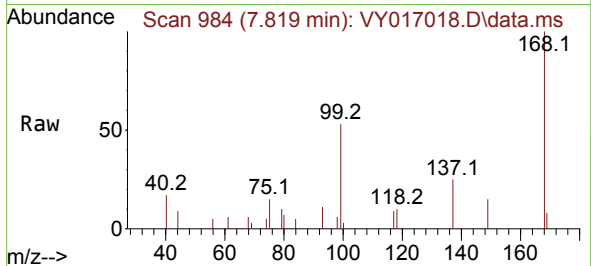




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

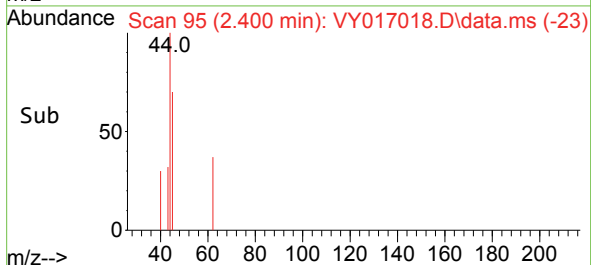
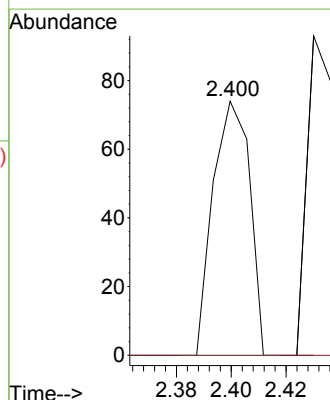
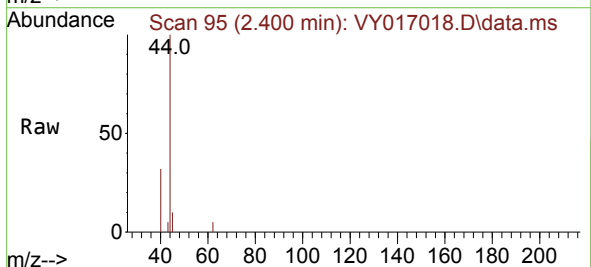
Instrument :
MSVOA_Y
ClientSampleId :

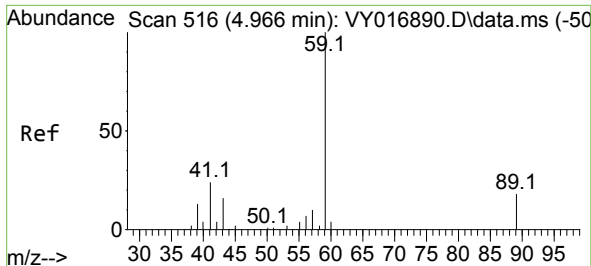
Tgt Ion:168 Resp: 4522
Ion Ratio Lower Upper
168 100
99 52.5 44.2 66.4



#4
Vinyl Chloride
Concen: 1.101 ug/l
RT: 2.400 min Scan# 95
Delta R.T. 0.141 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

Tgt Ion: 62 Resp: 69
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#

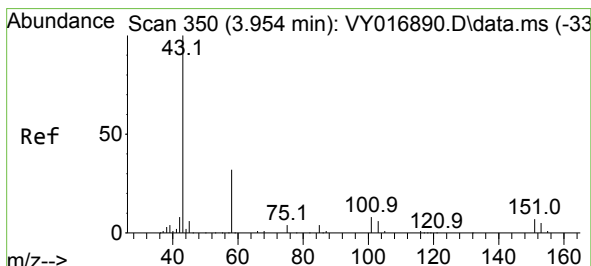
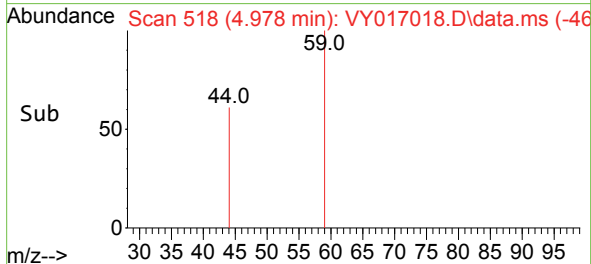
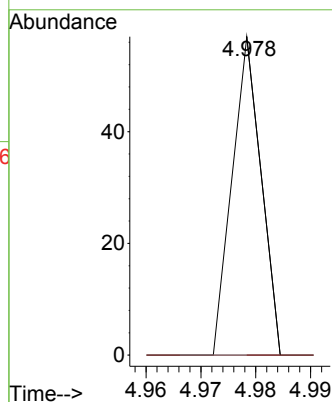
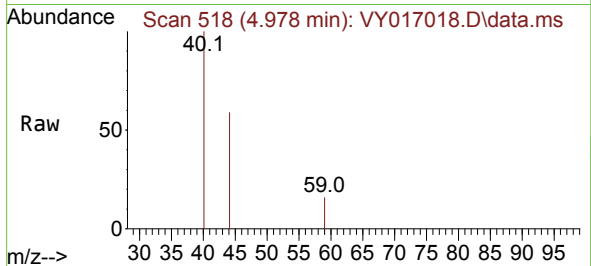




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

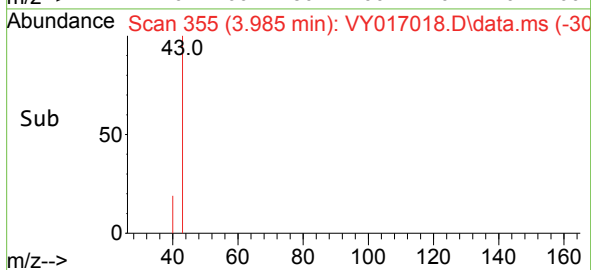
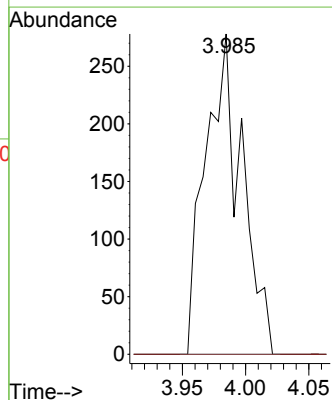
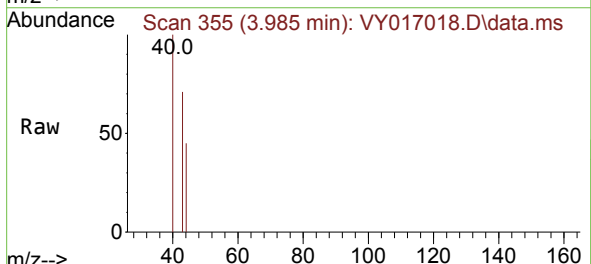
Instrument :
MSVOA_Y
ClientSampleId :

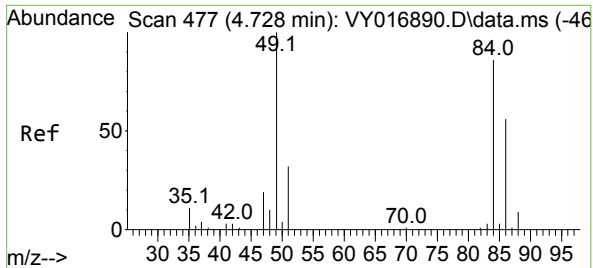
Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 29.151 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.025 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

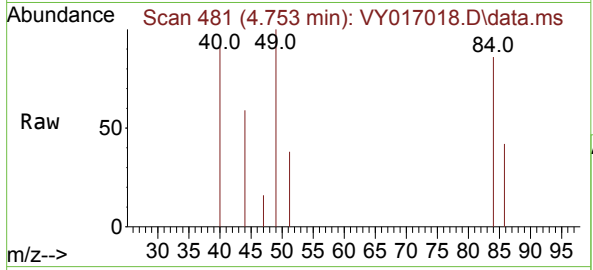
Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



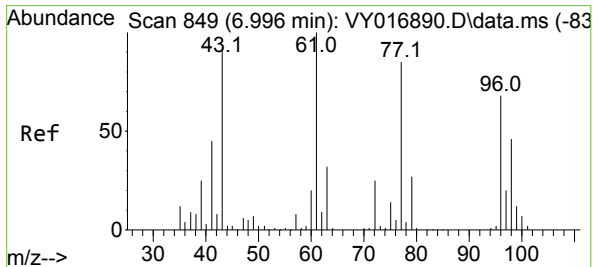
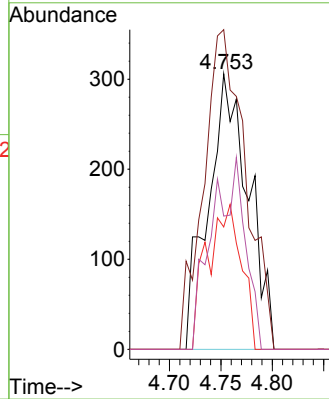
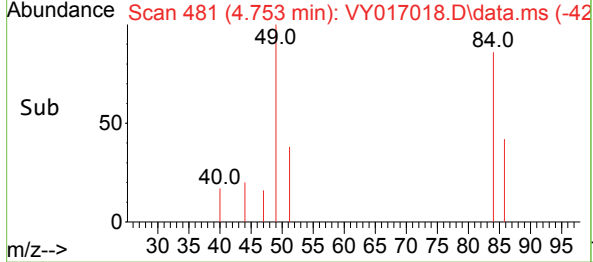


#20
Methylene Chloride
Concen: 8.370 ug/l
RT: 4.753 min Scan# 411
Delta R.T. 0.019 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

Instrument :
MSVOA_Y
ClientSampleId :

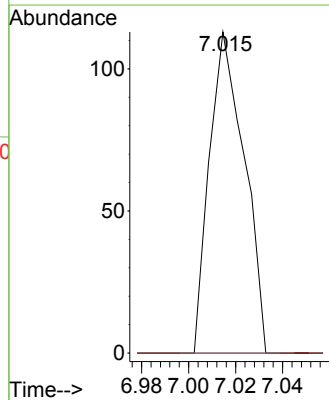
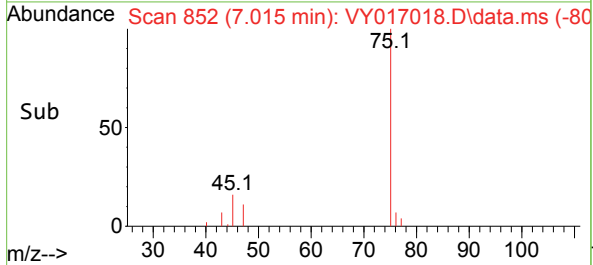
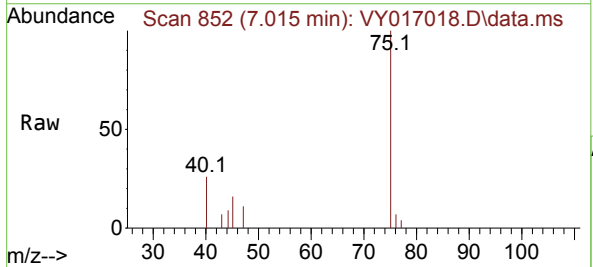


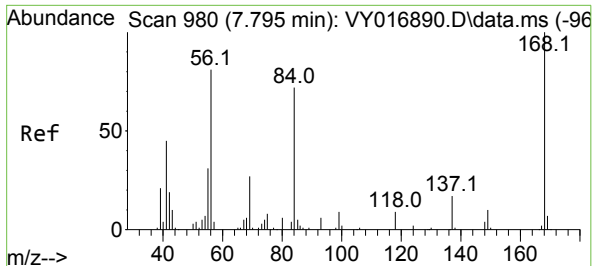
Tgt Ion: 84 Resp: 838
Ion Ratio Lower Upper
84 100
49 116.0 95.2 142.8
51 44.4 29.9 44.9
86 48.4 52.2 78.4#



#25
2-Butanone
Concen: Below Cal
RT: 7.015 min Scan# 852
Delta R.T. 0.019 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

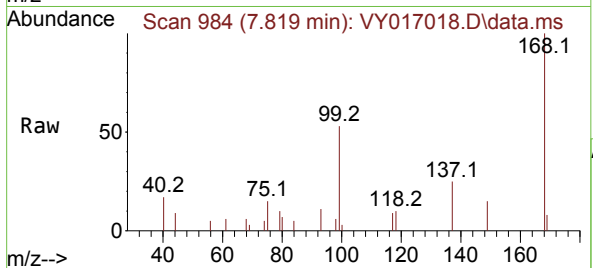
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



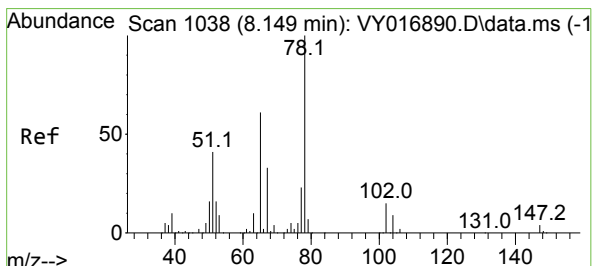
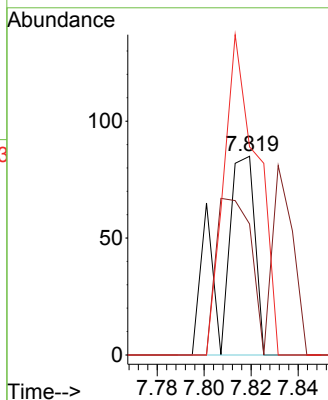
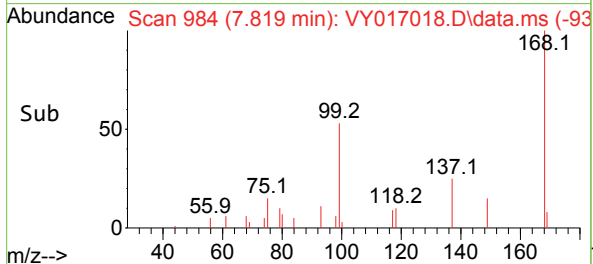


#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

Instrument :
MSVOA_Y
ClientSampleId :

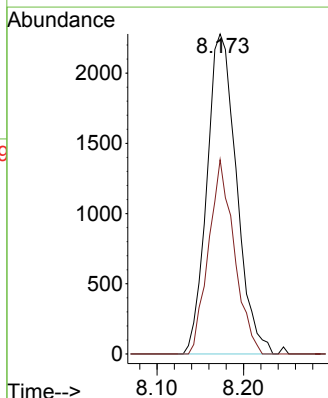
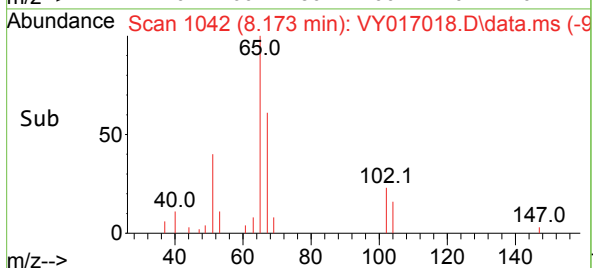
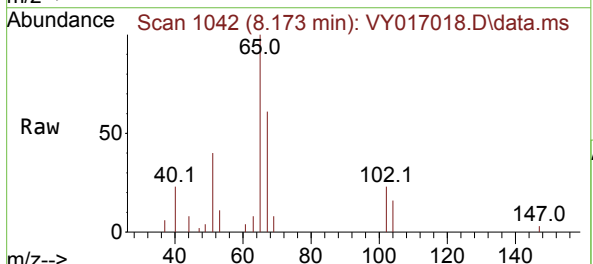


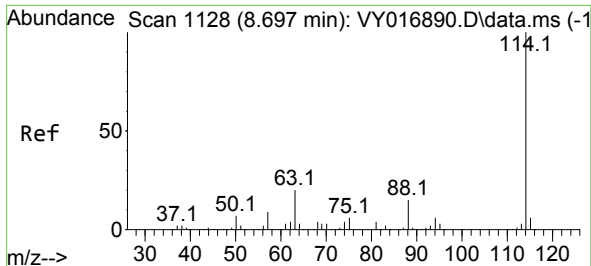
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
69 65.9 27.0 40.6#
84 104.7 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 121.001 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

Tgt Ion: 65 Resp: 5408
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1128

Delta R.T. 0.019 min

Lab File: VY017018.D

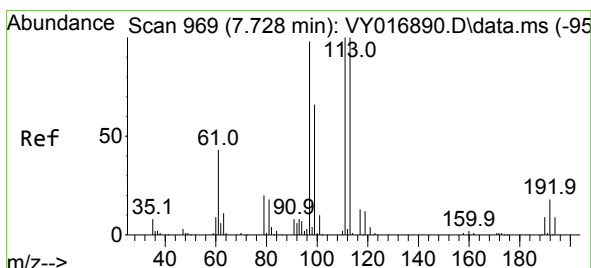
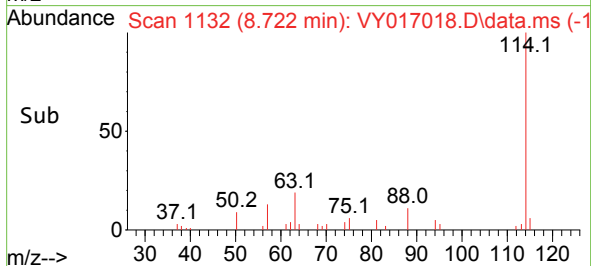
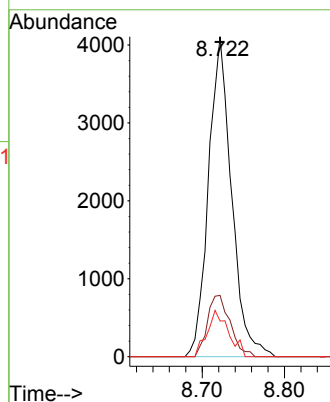
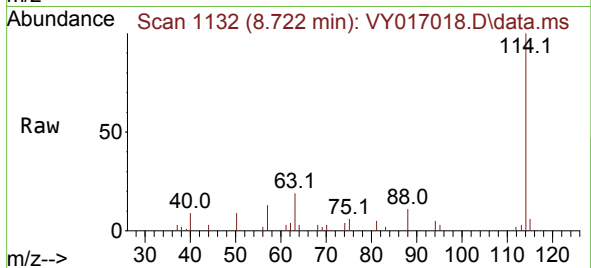
Acq: 17 Jan 2024 18:05

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	7988
Ion	Ratio	Lower Upper
114	100	
63	19.1	0.0 37.4
88	11.2	0.0 29.0



#35

Dibromofluoromethane

Concen: 105.241 ug/l

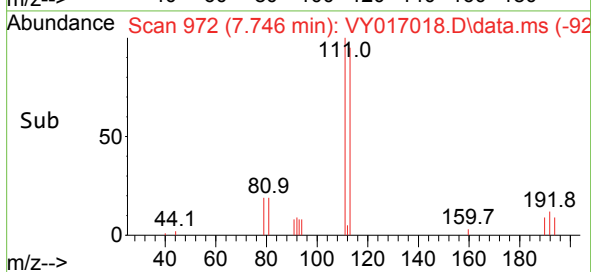
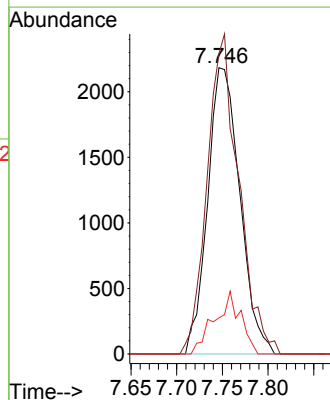
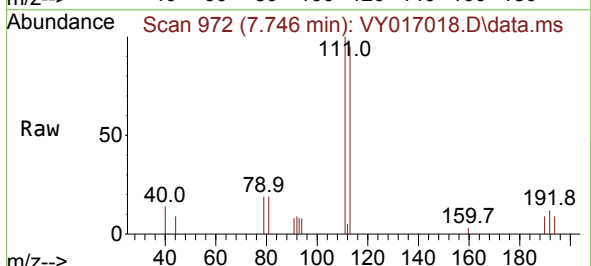
RT: 7.746 min Scan# 972

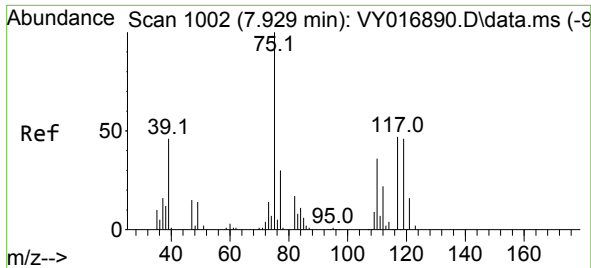
Delta R.T. 0.018 min

Lab File: VY017018.D

Acq: 17 Jan 2024 18:05

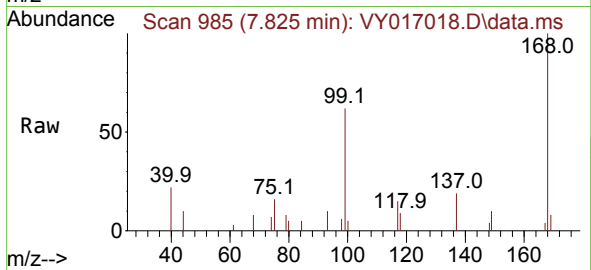
Tgt Ion:113	Resp:	5357
Ion	Ratio	Lower Upper
113	100	
111	109.1	83.8 125.6
192	17.6	14.5 21.7



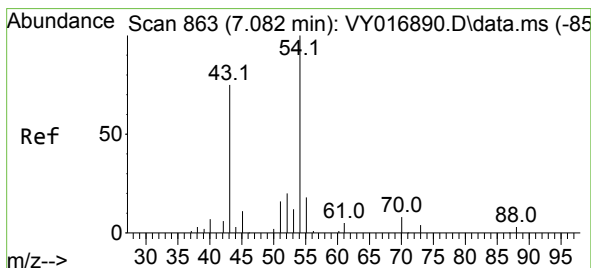
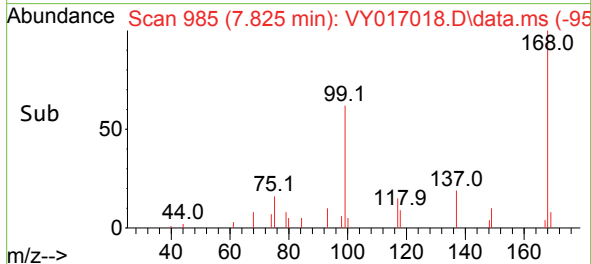
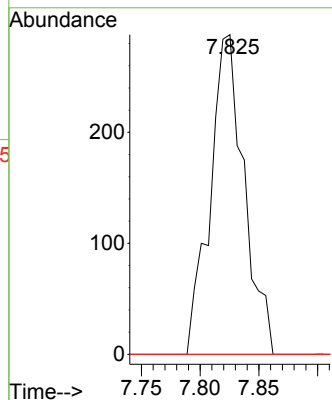


#36
 1,1-Dichloropropene
 Concen: 7.805 ug/l
 RT: 7.825 min Scan# 91
 Delta R.T. -0.104 min
 Lab File: VY017018.D
 Acq: 17 Jan 2024 18:05

Instrument :
 MSVOA_Y
 ClientSampleId :

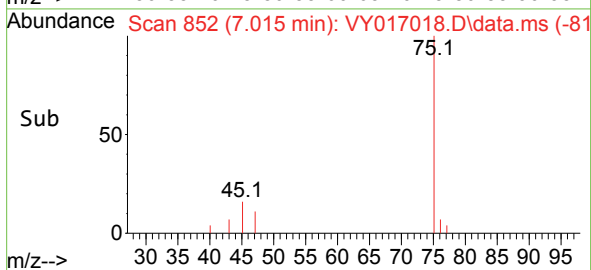
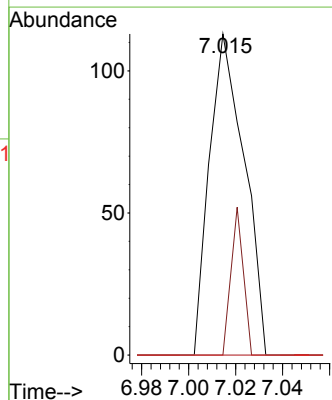
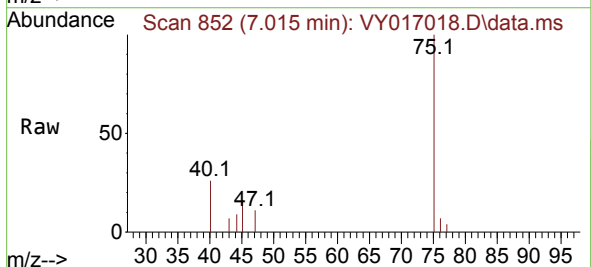


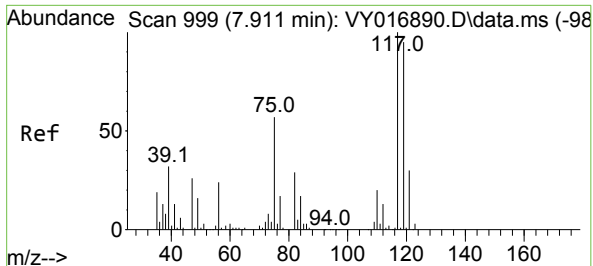
Tgt Ion: 75 Resp: 579
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.4 52.3#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.441 ug/l
 RT: 7.015 min Scan# 852
 Delta R.T. -0.073 min
 Lab File: VY017018.D
 Acq: 17 Jan 2024 18:05

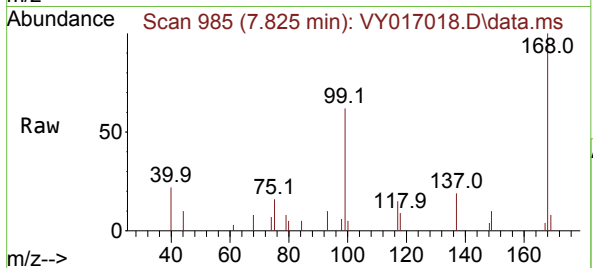
Tgt Ion: 43 Resp: 116
 Ion Ratio Lower Upper
 43 100
 61 16.4 11.0 16.6
 70 0.0 8.1 12.1#



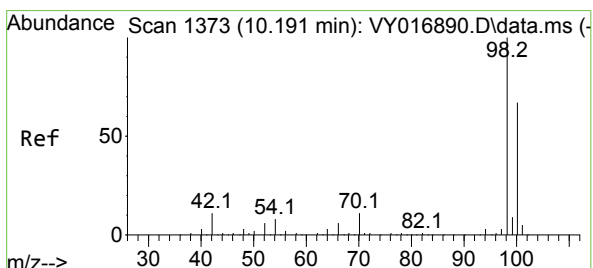
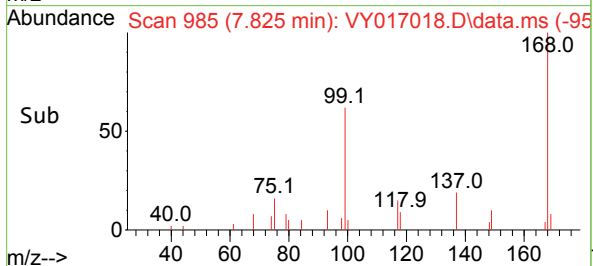
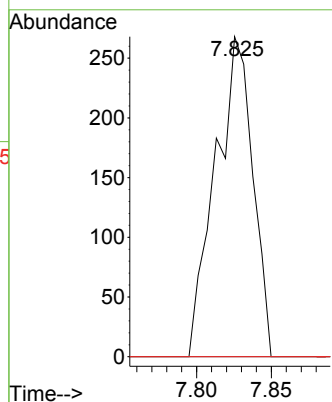


#38
Carbon Tetrachloride
Concen: 6.183 ug/l
RT: 7.825 min Scan# 91
Delta R.T. -0.092 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

Instrument :
MSVOA_Y
ClientSampleId :

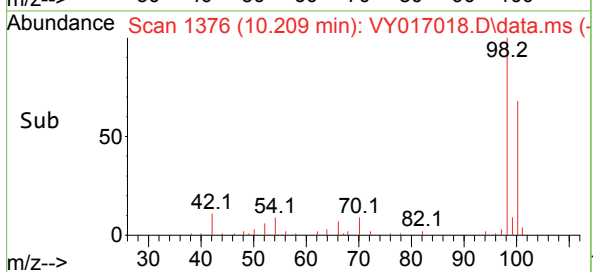
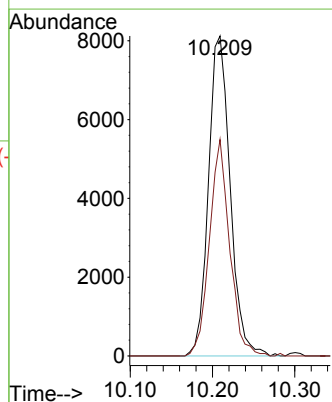
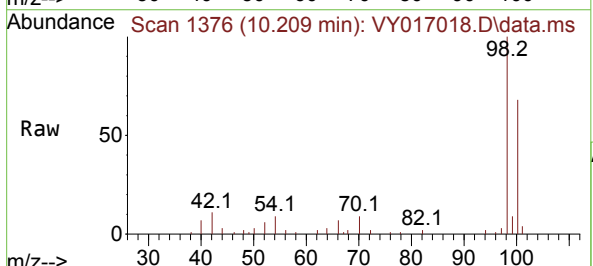


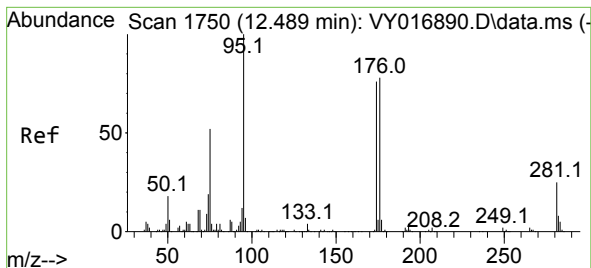
Tgt Ion:117 Resp: 466
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 85.056 ug/l
RT: 10.209 min Scan# 1376
Delta R.T. 0.018 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

Tgt Ion: 98 Resp: 14909
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5

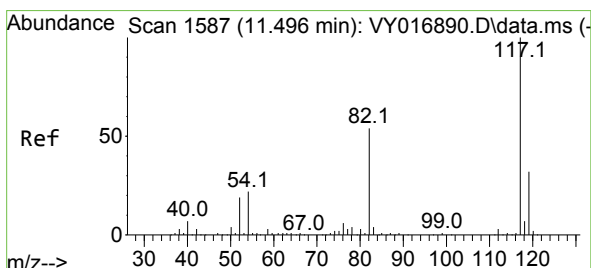
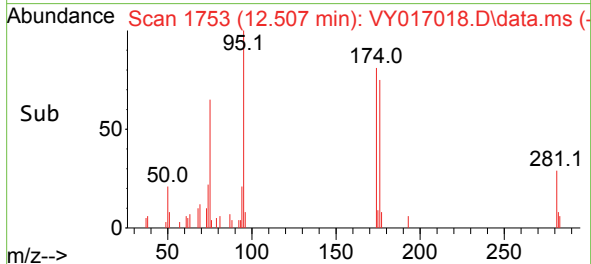
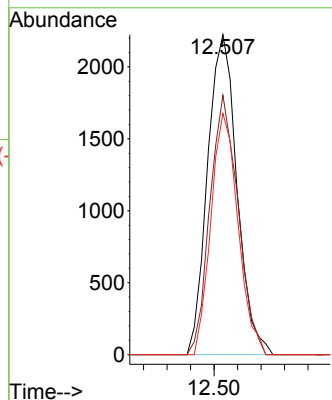
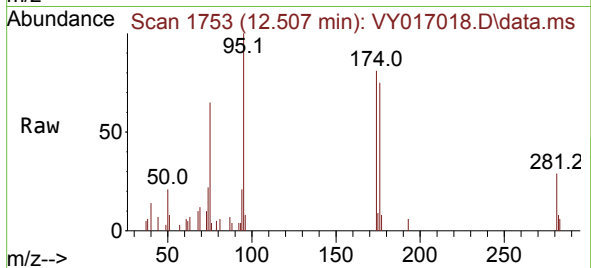




#62
4-Bromofluorobenzene
Concen: 65.355 ug/l
RT: 12.507 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

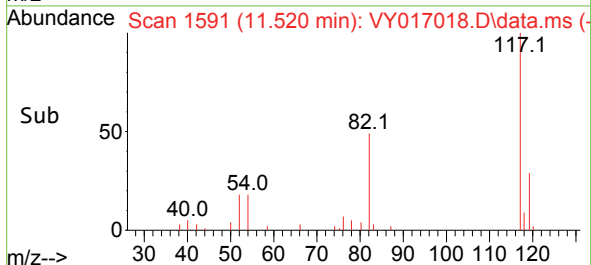
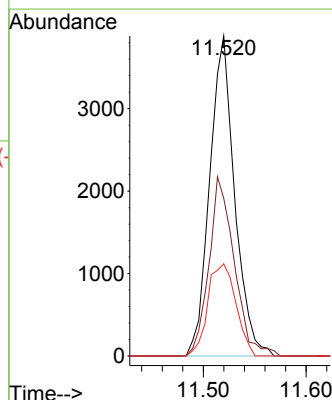
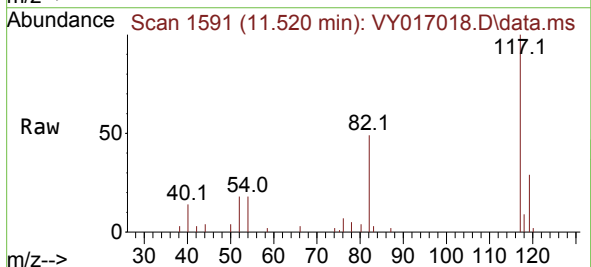
Instrument :
MSVOA_Y
ClientSampleId :

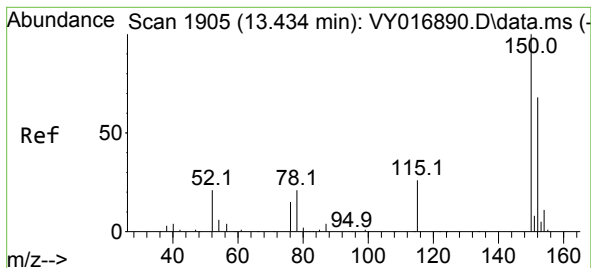
Tgt Ion: 95 Resp: 3865
Ion Ratio Lower Upper
95 100
174 77.6 0.0 160.0
176 69.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.018 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

Tgt Ion: 117 Resp: 6563
Ion Ratio Lower Upper
117 100
82 49.3 43.8 65.8
119 28.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY017018.D

Acq: 17 Jan 2024 18:05

Instrument :

MSVOA_Y

ClientSampleId :

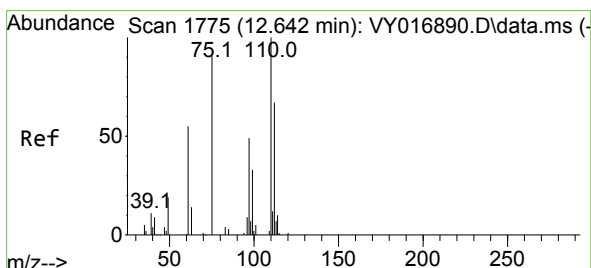
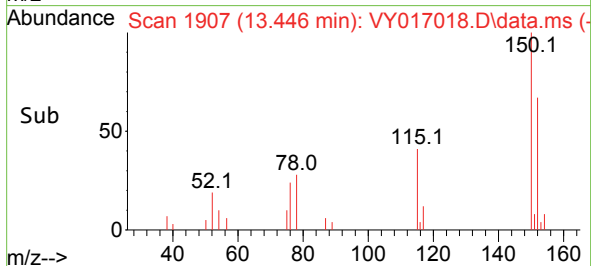
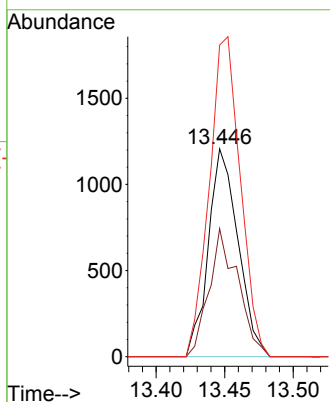
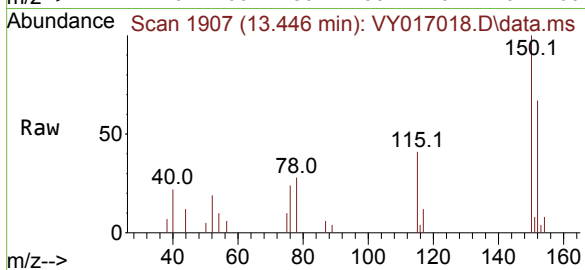
Tgt Ion:152 Resp: 1821

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

150 160.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 100.905 ug/l

RT: 12.507 min Scan# 1753

Delta R.T. -0.135 min

Lab File: VY017018.D

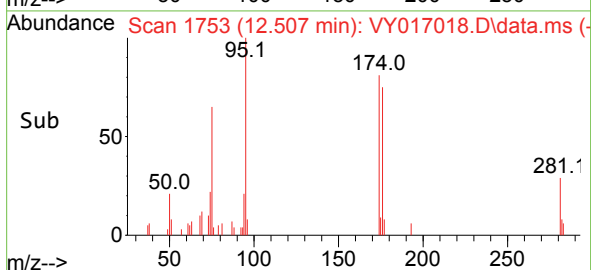
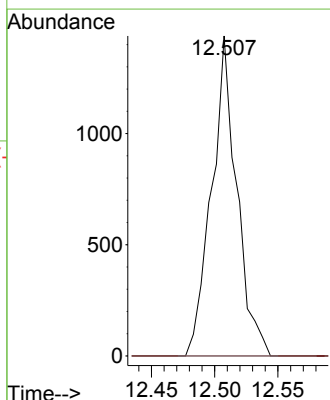
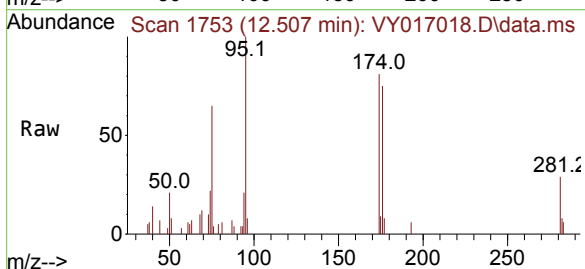
Acq: 17 Jan 2024 18:05

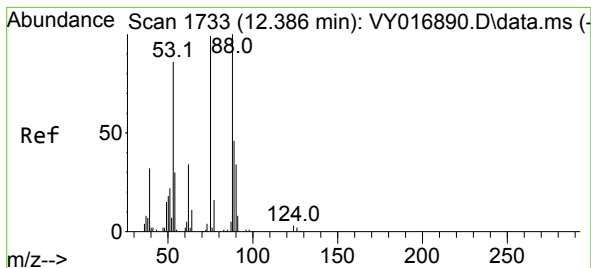
Tgt Ion: 75 Resp: 1994

Ion Ratio Lower Upper

75 100

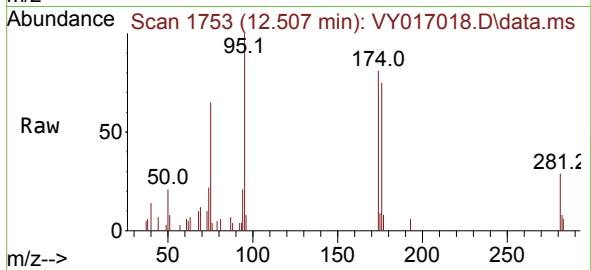
77 0.0 0.0 0.0



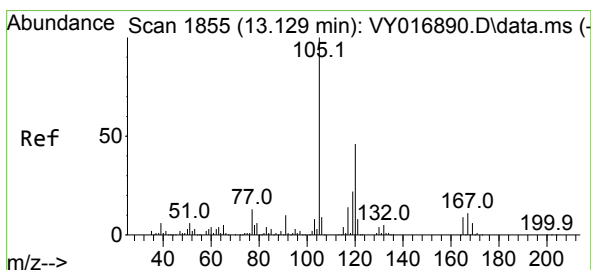
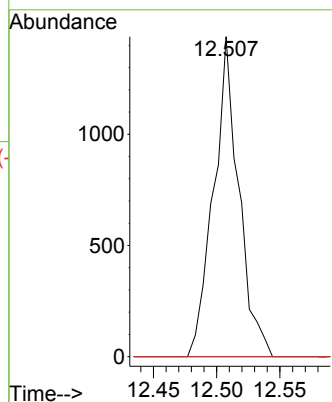
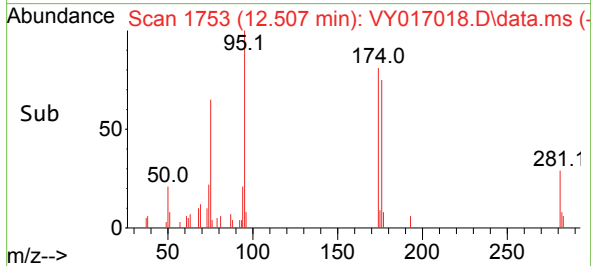


#81
trans-1,4-Dichloro-2-butene
Concen: 229.130 ug/l
RT: 12.507 min Scan# 1753
Delta R.T. 0.122 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05

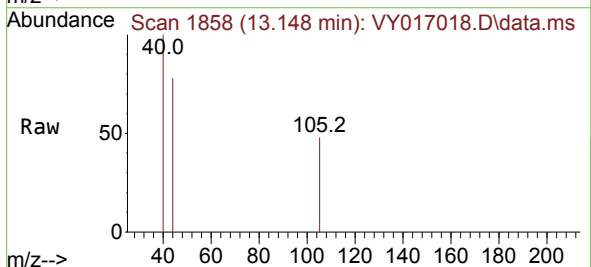
Instrument :
MSVOA_Y
ClientSampleId :



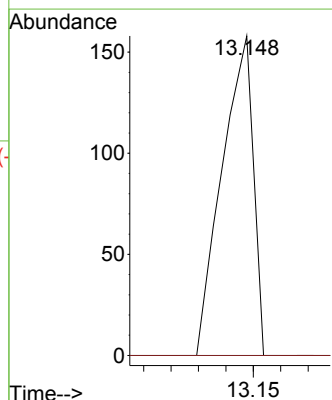
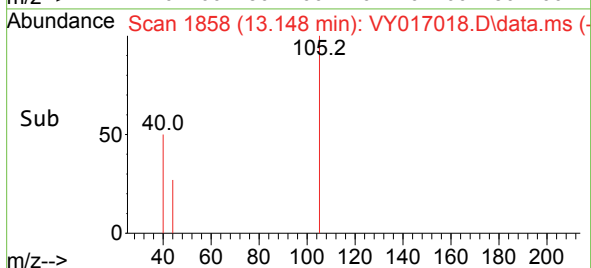
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.0	111.0#
89	0.0	36.5	54.7#

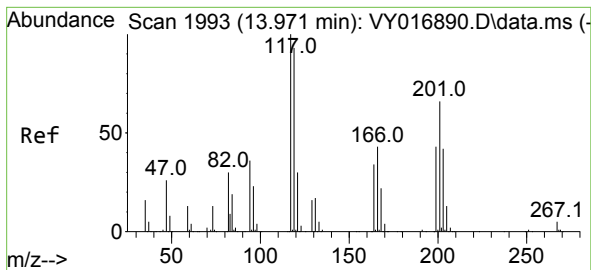


#84
1,2,4-Trimethylbenzene
Concen: 1.079 ug/l
RT: 13.148 min Scan# 1858
Delta R.T. 0.019 min
Lab File: VY017018.D
Acq: 17 Jan 2024 18:05



Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.1	66.3#





#90

Hexachloroethane

Concen: 6.135 ug/l

RT: 14.111 min Scan# 2016

Delta R.T. 0.140 min

Lab File: VY017018.D

Acq: 17 Jan 2024 18:05

Instrument :

MSVOA_Y

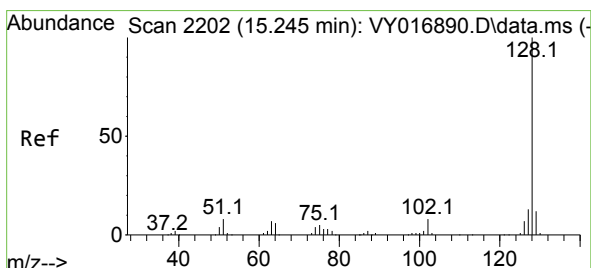
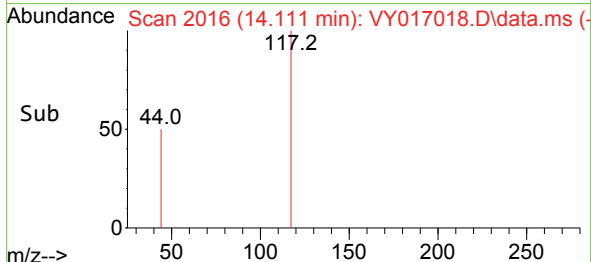
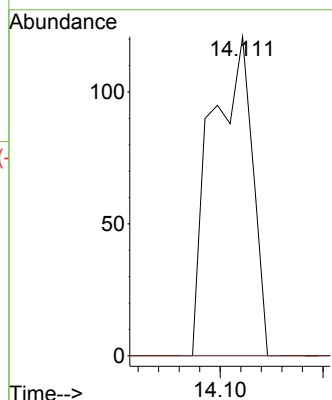
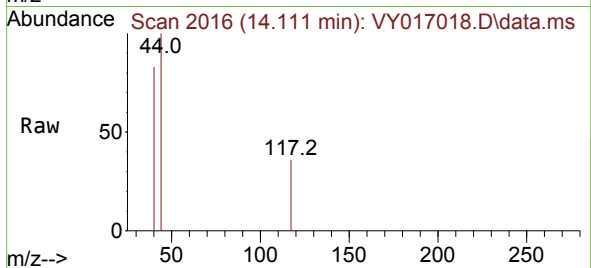
ClientSampleId :

Tgt Ion:117 Resp: 167

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#95

Naphthalene

Concen: 4.389 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY017018.D

Acq: 17 Jan 2024 18:05

Tgt Ion:128 Resp: 176

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

