

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017503.D
 Acq On : 27 Feb 2024 17:50
 Operator : SY/MD
 Sample : P1564-07RE
 Misc : 3.84g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-12RE

Quant Time: Feb 28 00:19:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

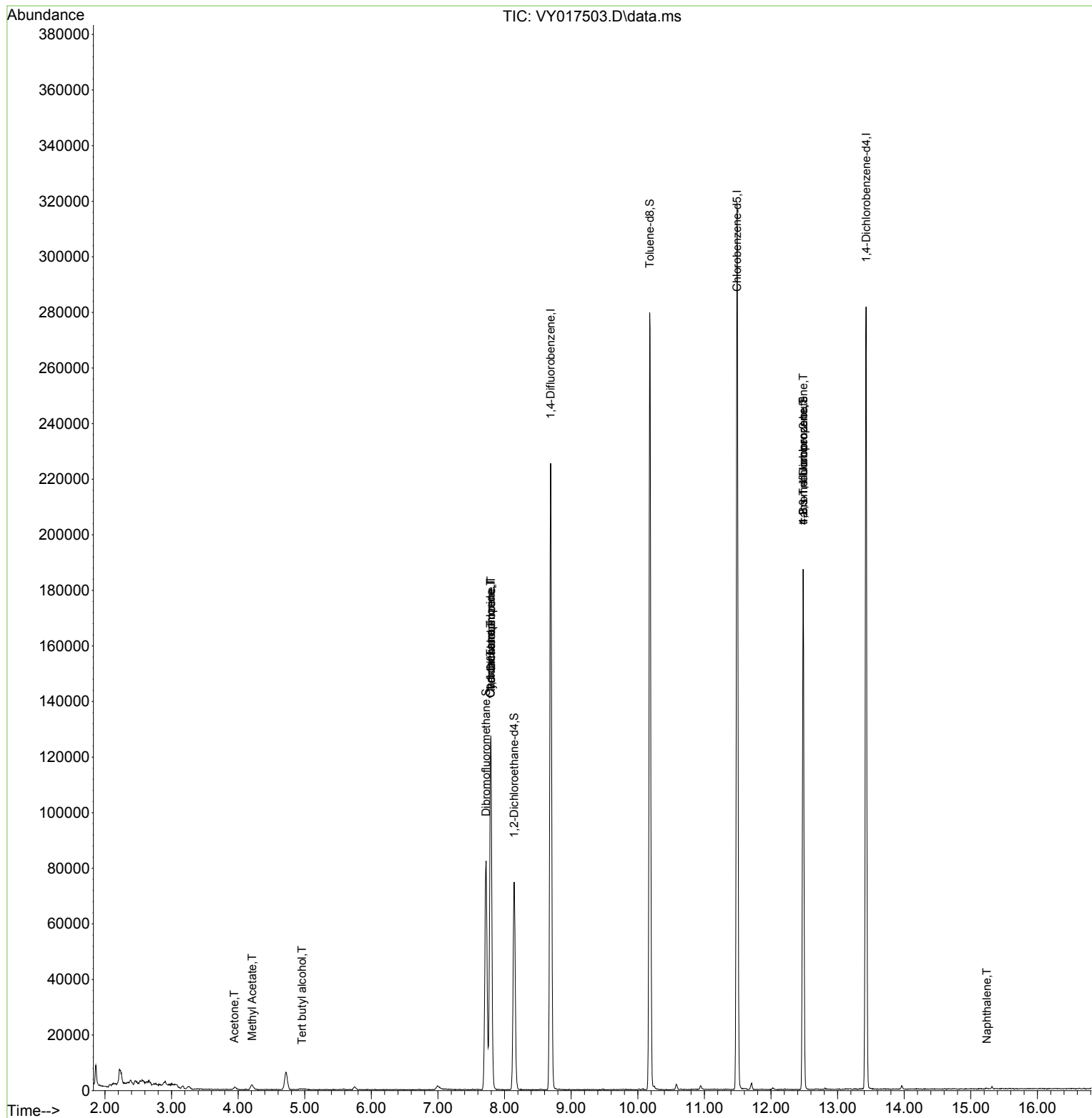
Internal Standards						
1) Pentafluorobenzene	7.795	168	107761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	55576	54.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.840%	
35) Dibromofluoromethane	7.722	113	58558	41.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 82.120%	
50) Toluene-d8	10.179	98	191563	38.417	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.840%	
62) 4-Bromofluorobenzene	12.483	95	55775	35.592	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 71.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	444	5.118	ug/l #	88
16) Acetone	3.942	43	1688	8.521	ug/l #	86
18) Methyl Acetate	4.210	43	533	1.109	ug/l #	46
20) Methylene Chloride	4.729	84	5241	Below Cal	#	77
31) Cyclohexane	7.789	56	1848	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7314	3.801	ug/l #	48
38) Carbon Tetrachloride	7.789	117	9811	5.087	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	26965	36.353	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26965	83.531	ug/l #	16
95) Naphthalene	15.239	128	236	4.003	ug/l #	69

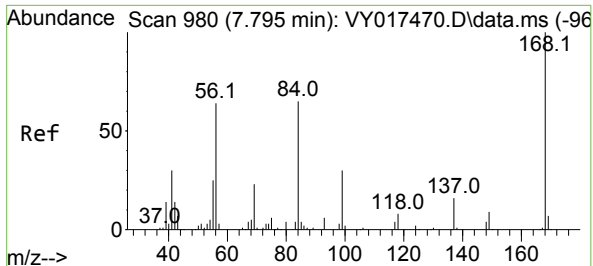
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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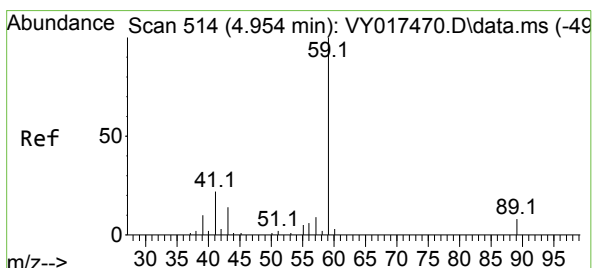
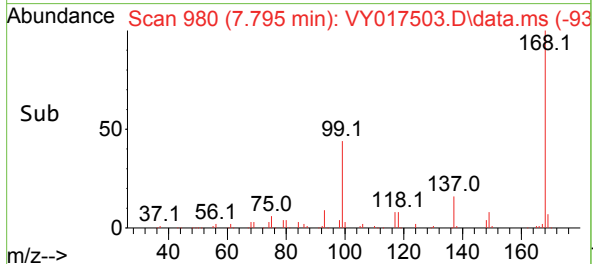
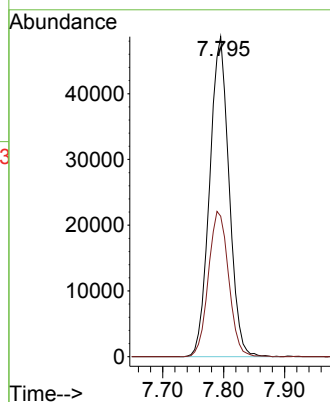
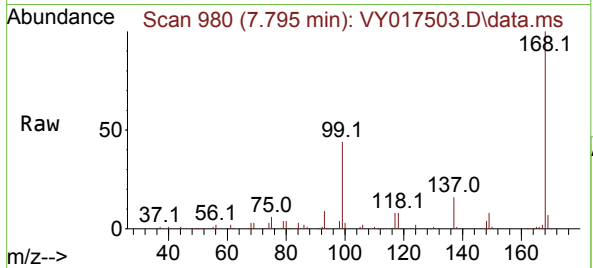




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

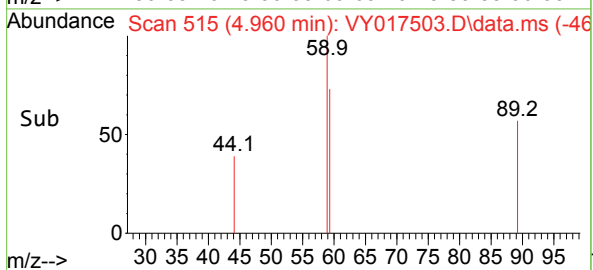
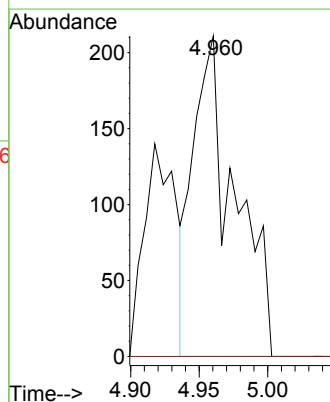
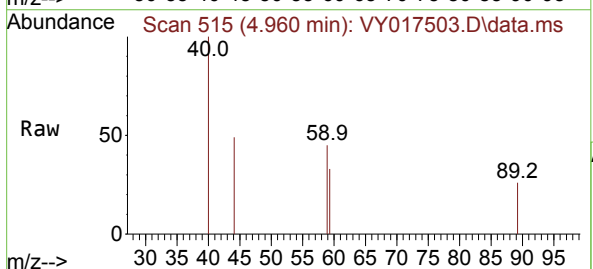
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-12RE

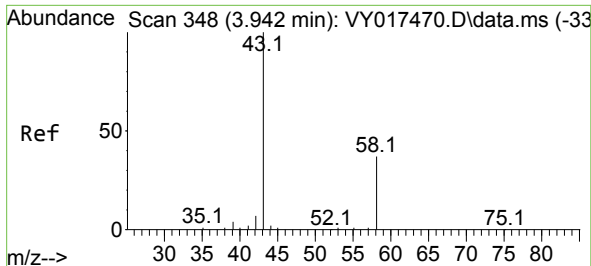
Tgt Ion:168 Resp: 107761
Ion Ratio Lower Upper
168 100
99 43.9 39.1 58.7



#11
Tert butyl alcohol
Concen: 5.118 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

Tgt Ion: 59 Resp: 444
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

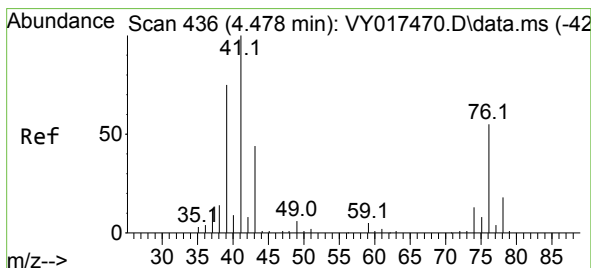
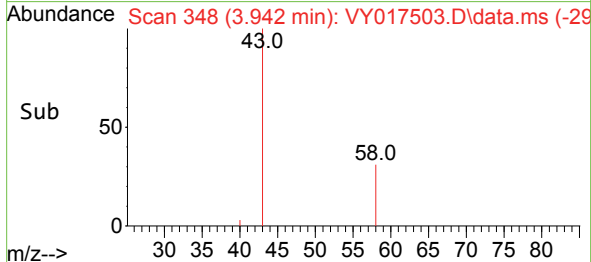
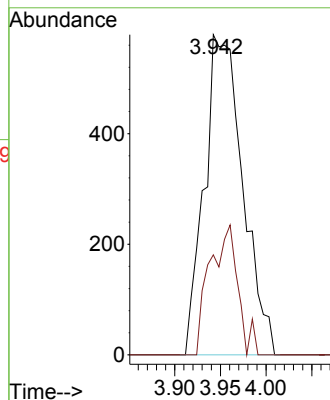
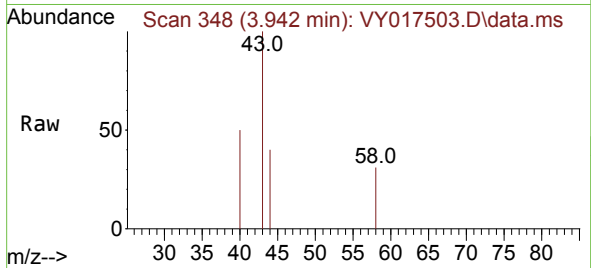




#16
Acetone
Concen: 8.521 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

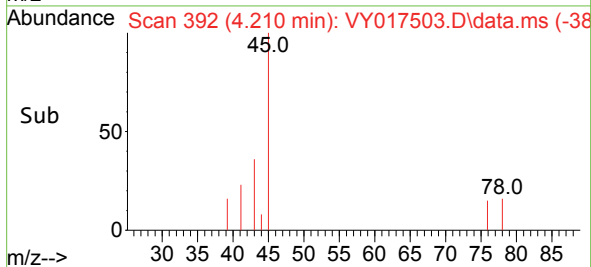
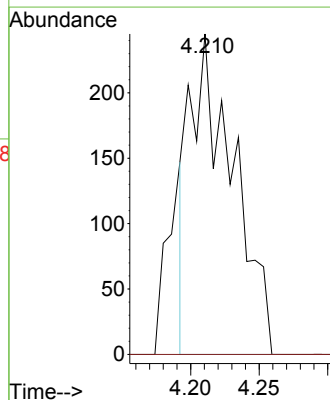
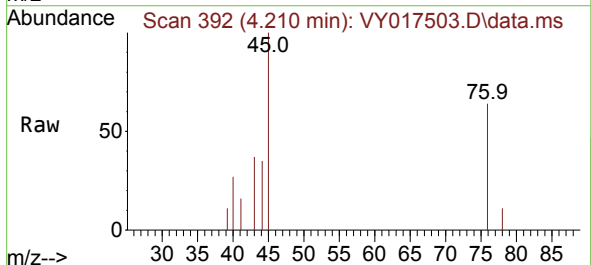
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-12RE

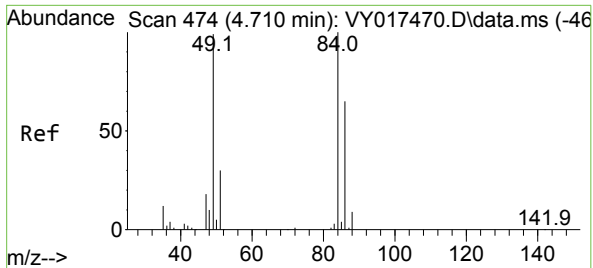
Tgt Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
58 31.3 31.7 47.5#



#18
Methyl Acetate
Concen: 1.109 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.268 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

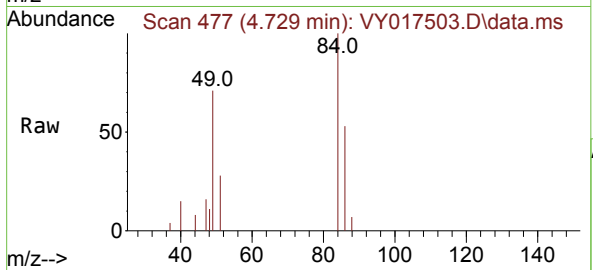
Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



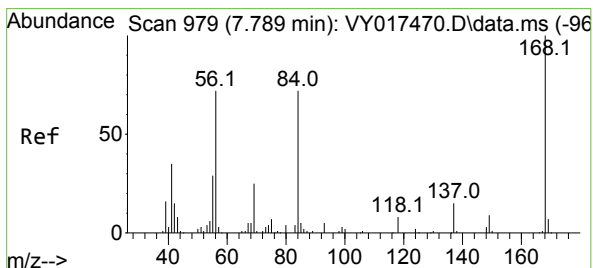
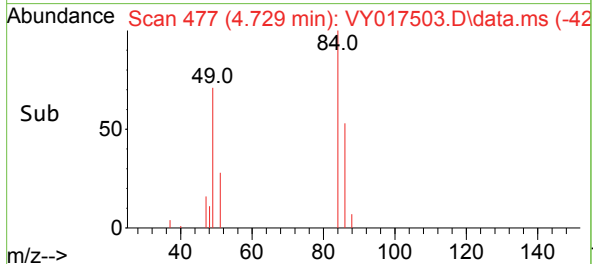
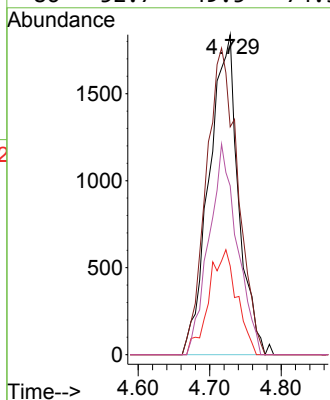


#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-12RE

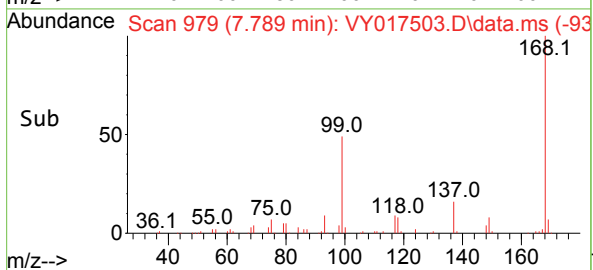
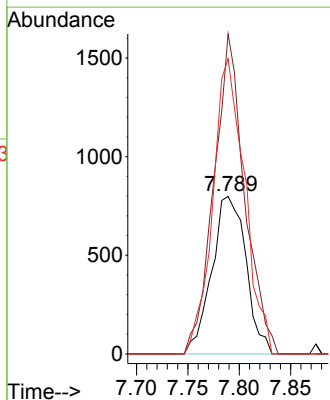
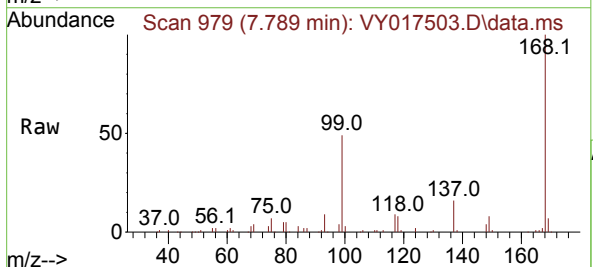


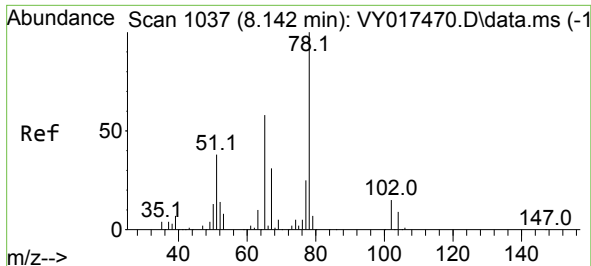
Tgt Ion: 84 Resp: 5241
Ion Ratio Lower Upper
84 100
49 71.2 84.4 126.6#
51 27.7 26.0 39.0
86 52.7 49.5 74.3



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

Tgt Ion: 56 Resp: 1848
Ion Ratio Lower Upper
56 100
69 203.0 28.7 43.1#
84 187.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.418 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY017503.D

Acq: 27 Feb 2024 17:50

Instrument :

MSVOA_Y

ClientSampleId :

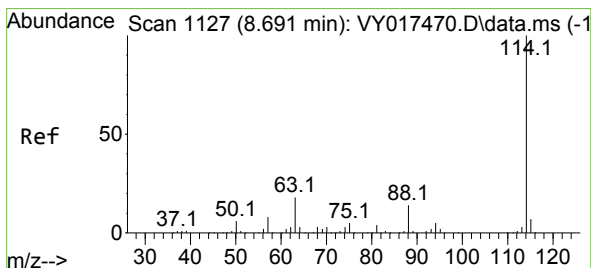
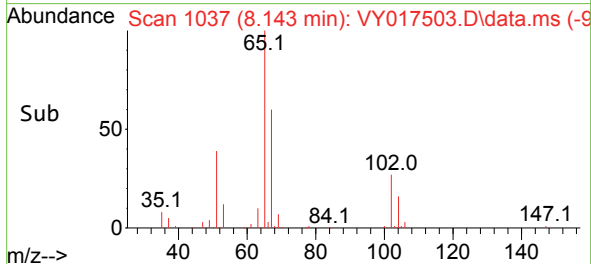
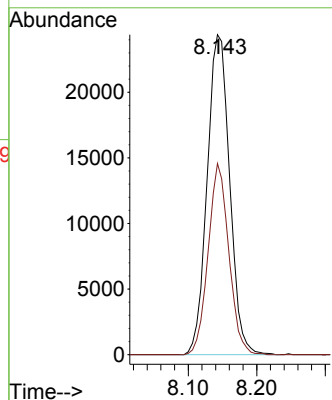
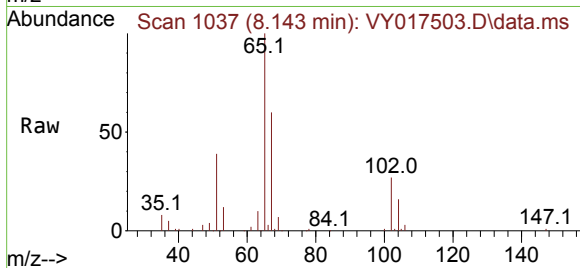
LKWD-BACKFILL-12RE

Tgt Ion: 65 Resp: 55576

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017503.D

Acq: 27 Feb 2024 17:50

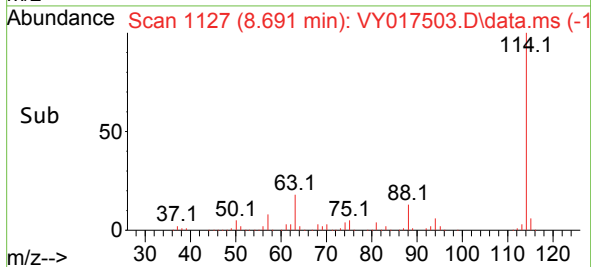
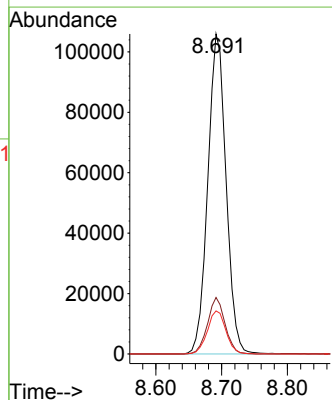
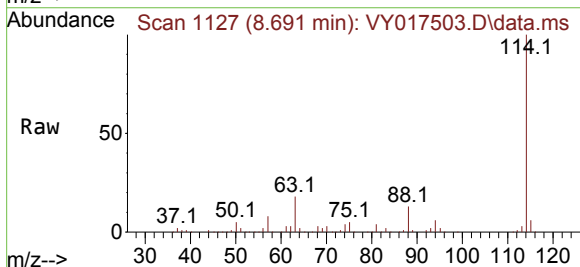
Tgt Ion: 114 Resp: 204663

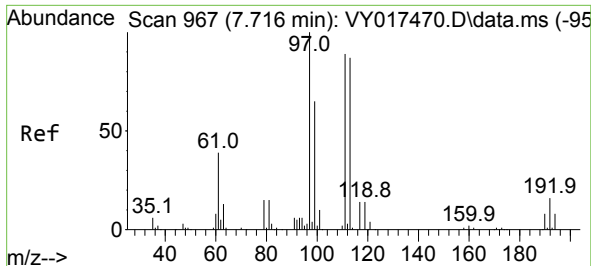
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 13.4 0.0 27.2

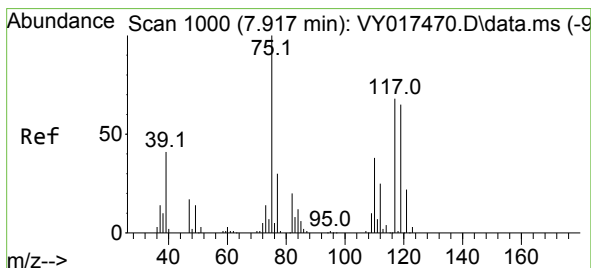
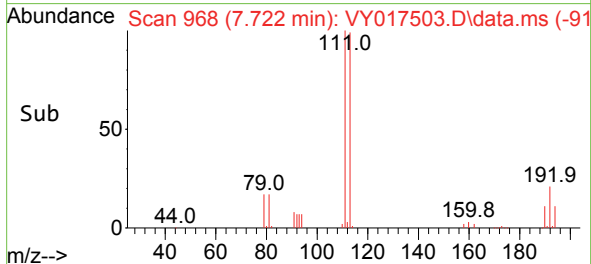
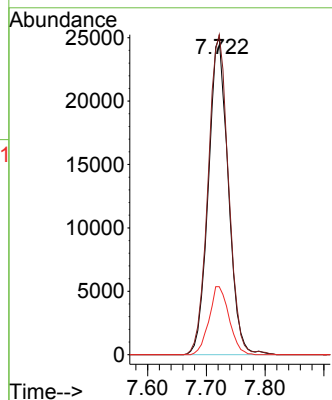
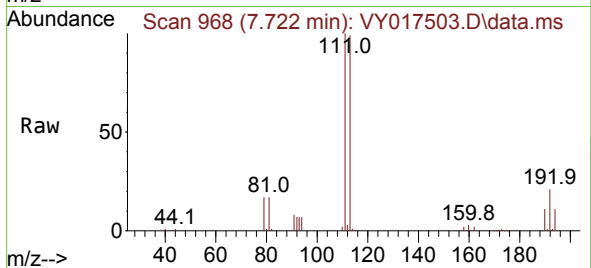




#35
Dibromofluoromethane
Concen: 41.060 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

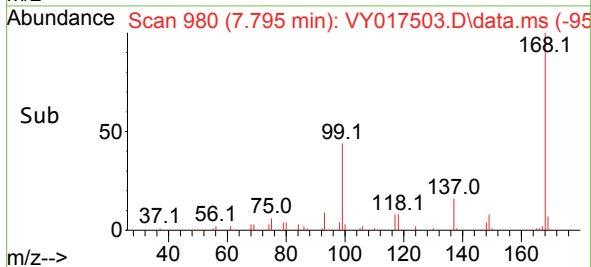
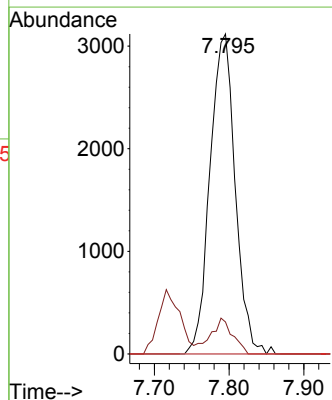
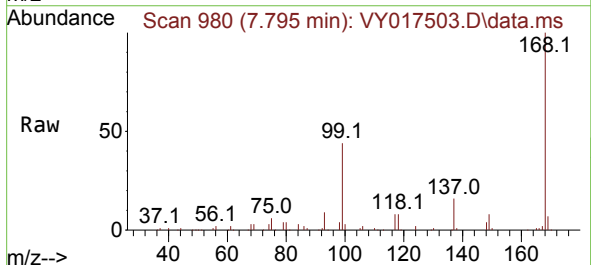
Instrument :
MSVOA_Y
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LKWD-BACKFILL-12RE

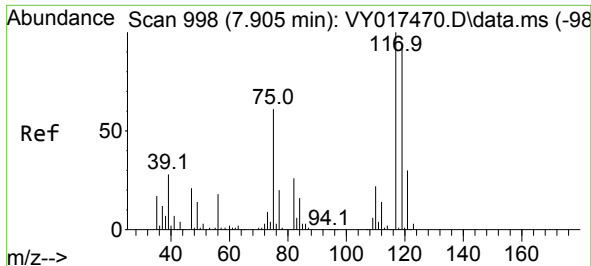
Tgt Ion:113 Resp: 58558
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 21.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.801 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

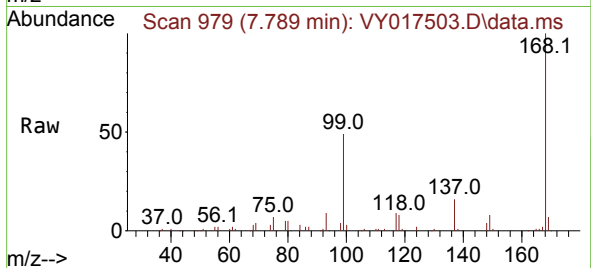
Tgt Ion: 75 Resp: 7314
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#



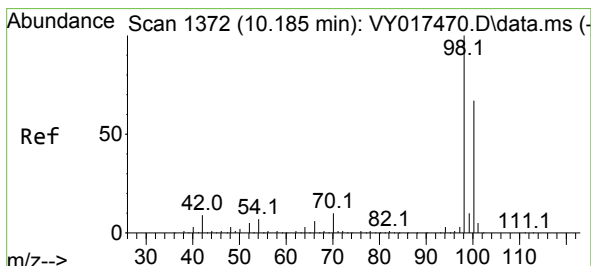
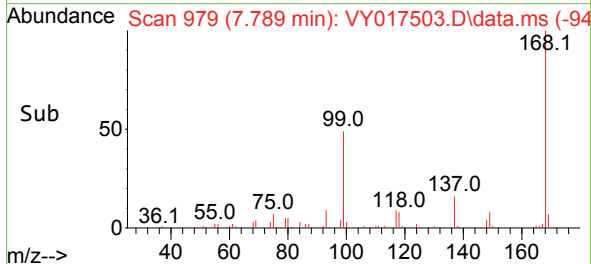
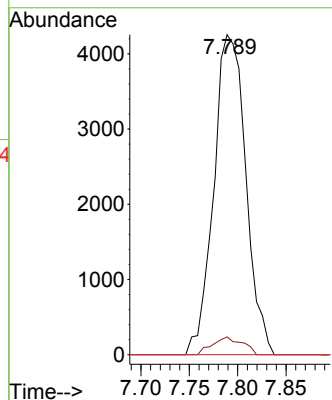


#38
Carbon Tetrachloride
Concen: 5.087 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

Instrument :
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ClientSampleId :
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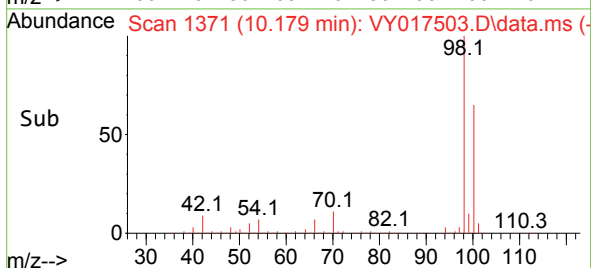
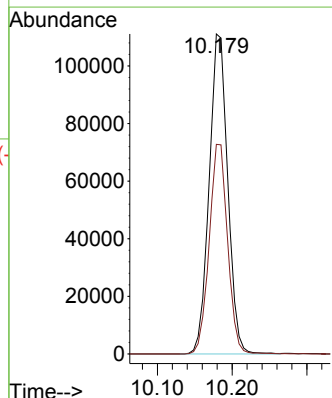
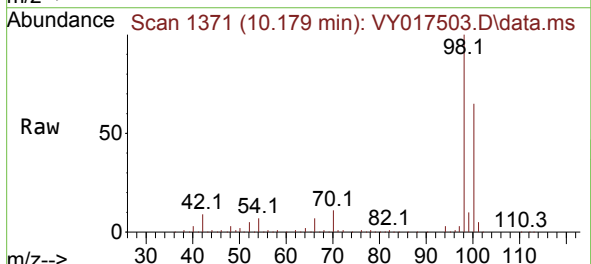


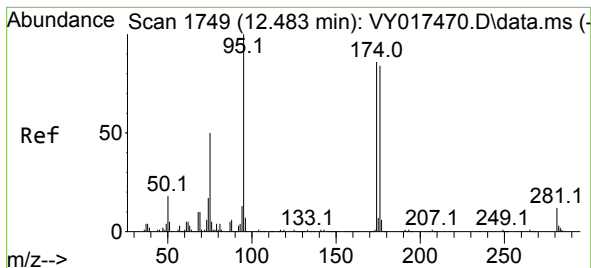
Tgt Ion:117 Resp: 9811
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 38.417 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

Tgt Ion: 98 Resp: 191563
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 35.592 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017503.D

Acq: 27 Feb 2024 17:50

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-12RE

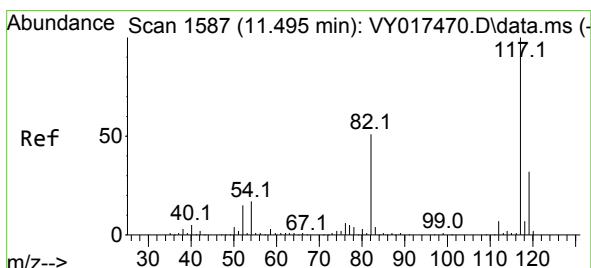
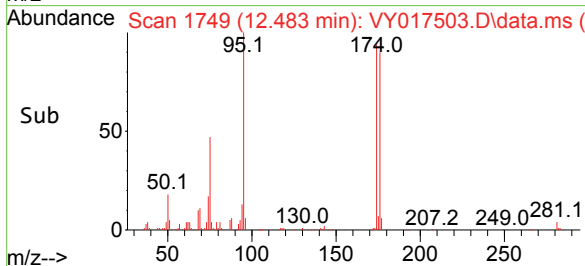
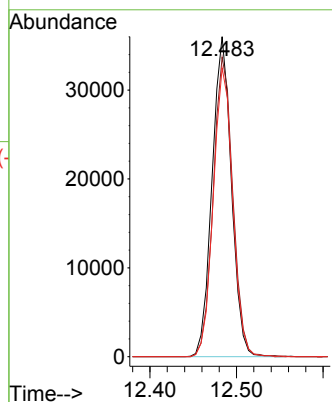
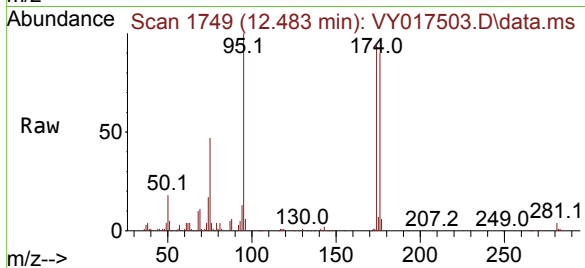
Tgt Ion: 95 Resp: 55775

Ion Ratio Lower Upper

95 100

174 95.1 0.0 175.6

176 90.9 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.006 min

Lab File: VY017503.D

Acq: 27 Feb 2024 17:50

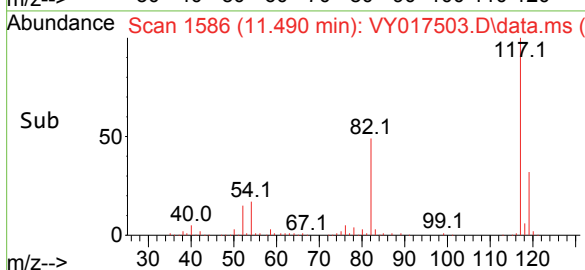
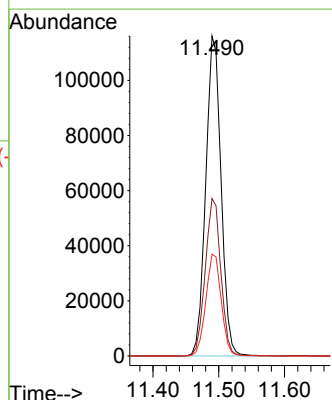
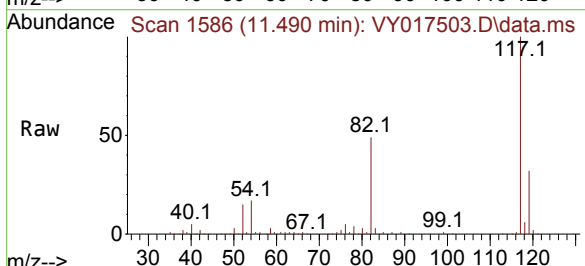
Tgt Ion: 117 Resp: 188201

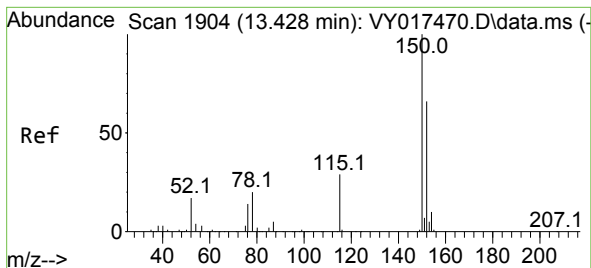
Ion Ratio Lower Upper

117 100

82 49.2 42.4 63.6

119 31.8 25.9 38.9

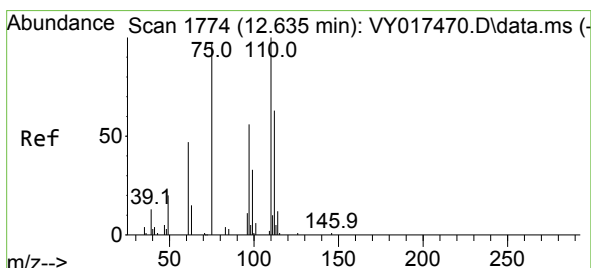
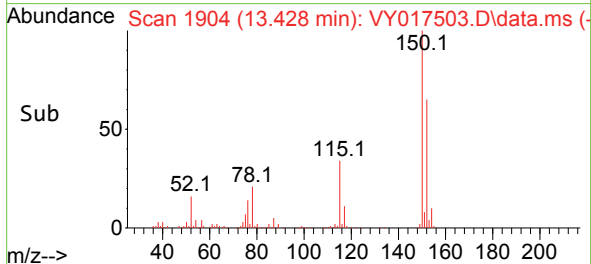
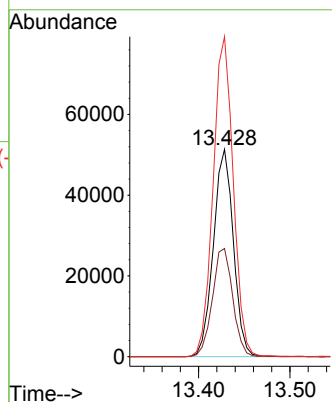
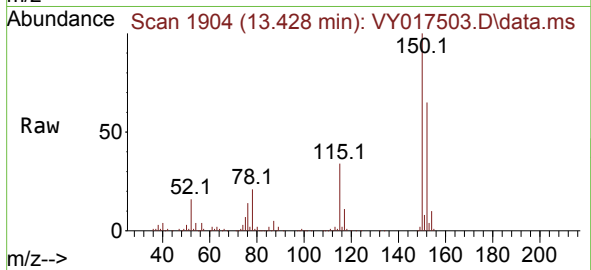




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY017503.D
 Acq: 27 Feb 2024 17:50

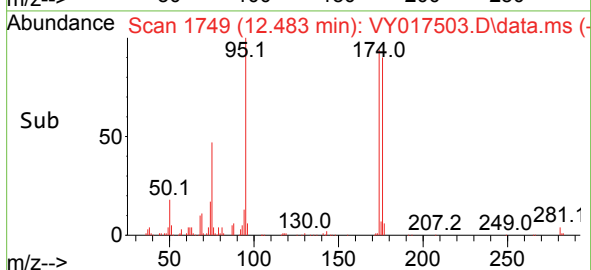
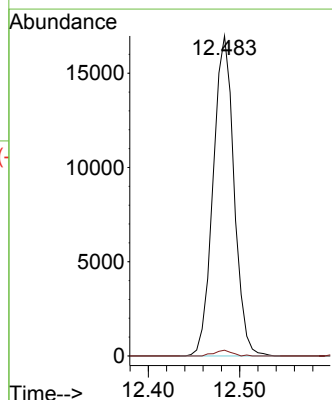
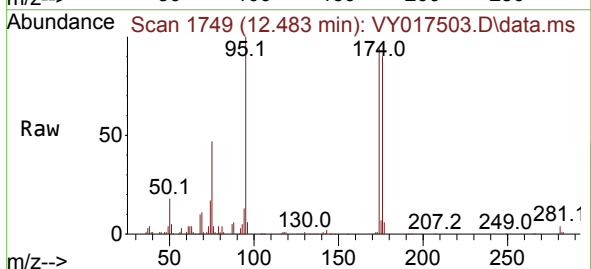
Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-12RE

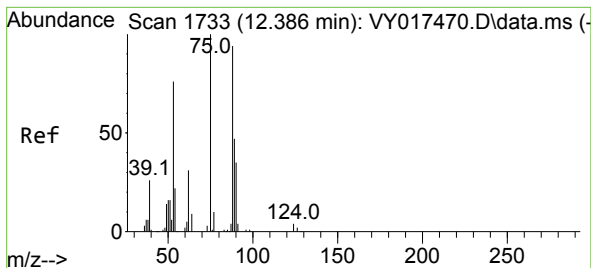
Tgt Ion:152 Resp: 78067
 Ion Ratio Lower Upper
 152 100
 115 53.0 28.2 84.7
 150 155.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 36.353 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY017503.D
 Acq: 27 Feb 2024 17:50

Tgt Ion: 75 Resp: 26965
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

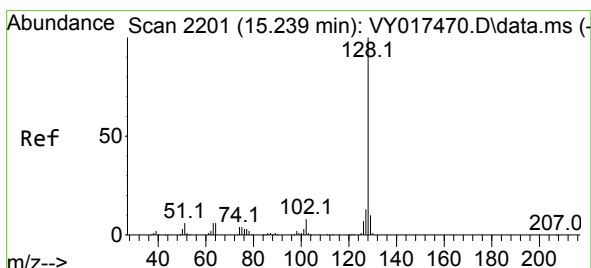
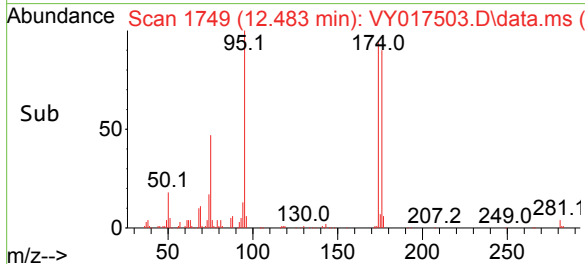
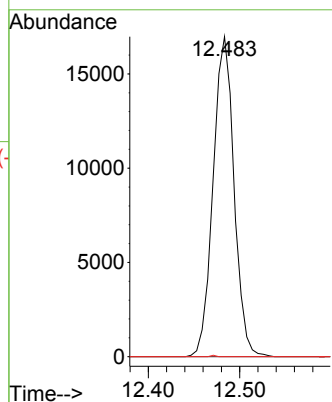
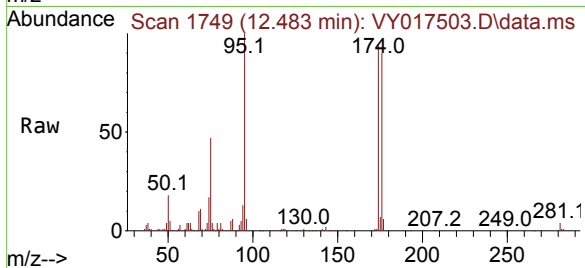




#81
trans-1,4-Dichloro-2-butene
Concen: 83.531 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-12RE

Tgt Ion: 75 Resp: 26965
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 4.003 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY017503.D
Acq: 27 Feb 2024 17:50

Tgt Ion: 128 Resp: 236
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

