

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017502.D
 Acq On : 27 Feb 2024 17:27
 Operator : SY/MD
 Sample : P1564-11RE
 Misc : 3.55g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-14

Quant Time: Feb 28 00:19:37 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)

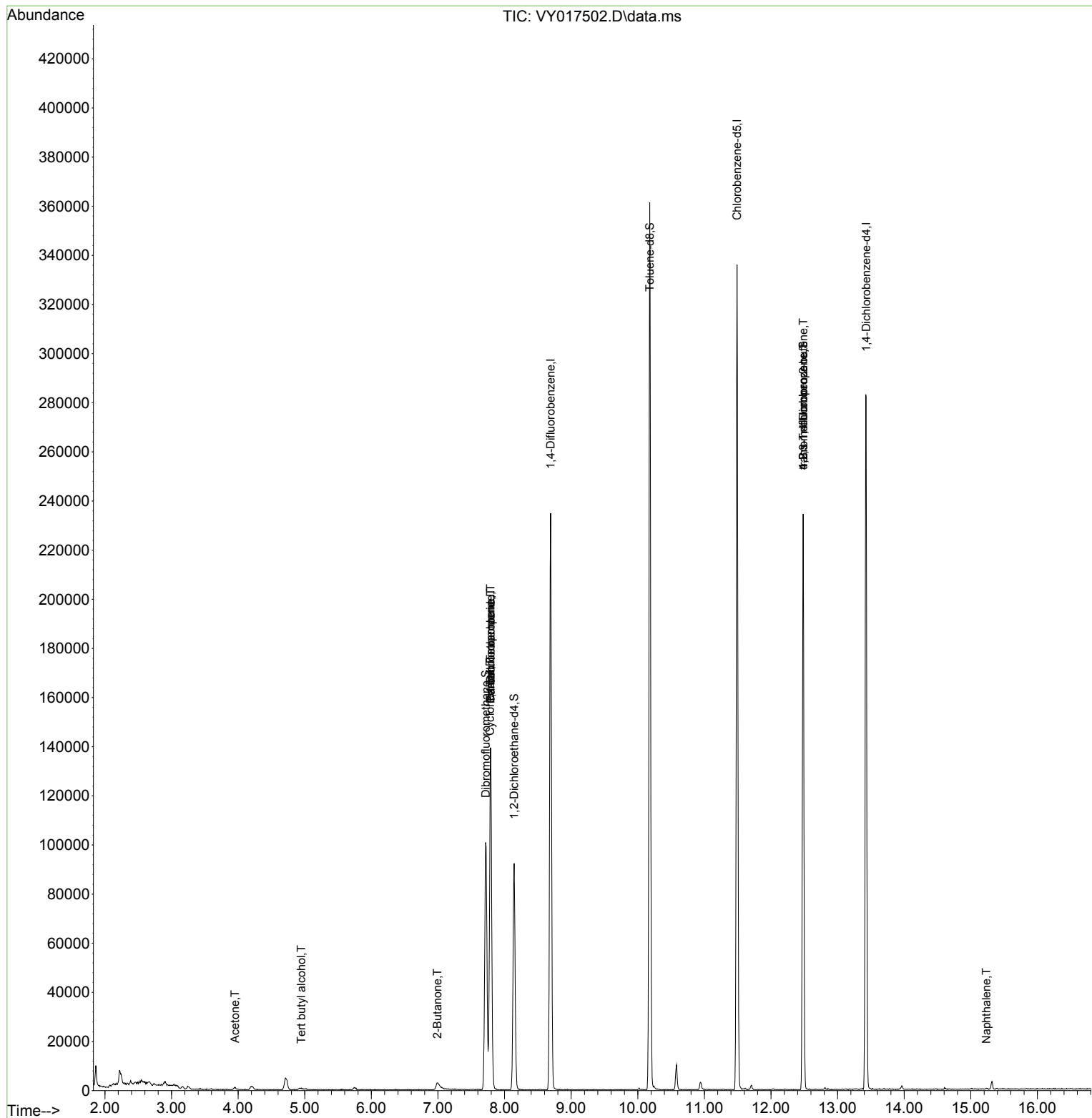
Internal Standards						
1) Pentafluorobenzene	7.789	168	115235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	211618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	194284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66626	61.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.020%			
35) Dibromofluoromethane	7.716	113	72382	49.085	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.180%			
50) Toluene-d8	10.179	98	240841	46.712	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.420%			
62) 4-Bromofluorobenzene	12.483	95	68865	42.500	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.000%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	622	6.705	ug/l #	88
16) Acetone	3.954	43	1654	7.808	ug/l	99
20) Methylene Chloride	4.710	84	4310	Below Cal		89
25) 2-Butanone	6.990	43	329	1.090	ug/l #	41
31) Cyclohexane	7.783	56	2056	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8235	4.139	ug/l #	48
38) Carbon Tetrachloride	7.789	117	10314	5.172	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	33555	44.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33555	101.446	ug/l #	16
95) Naphthalene	15.233	128	380	4.054	ug/l #	69

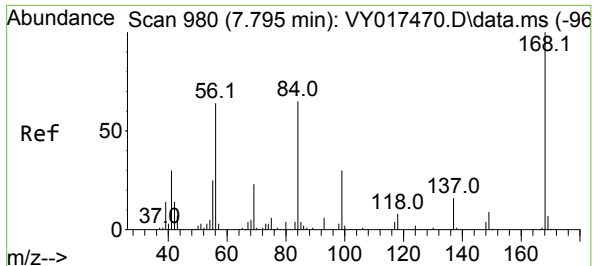
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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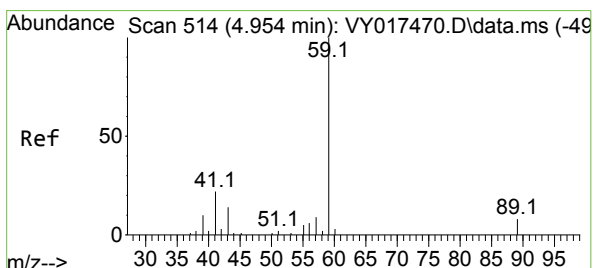
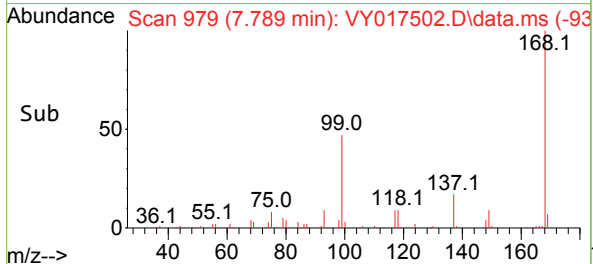
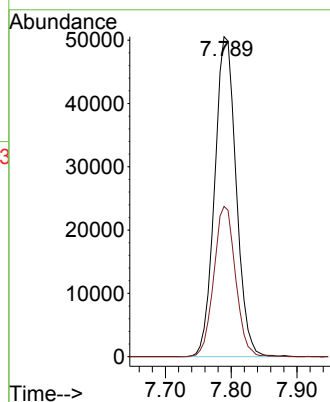
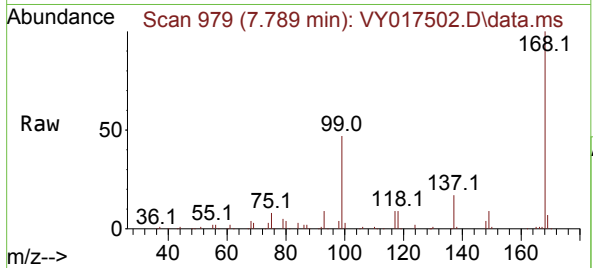




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

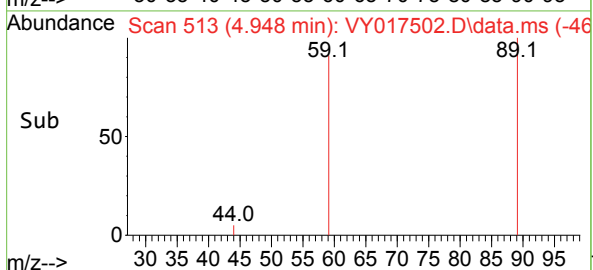
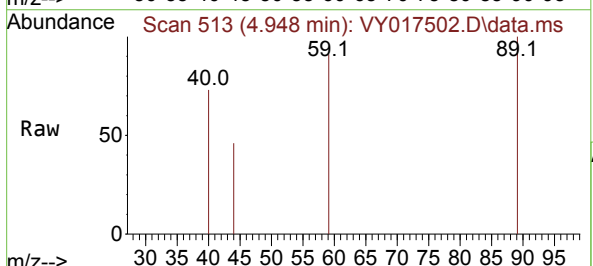
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-14

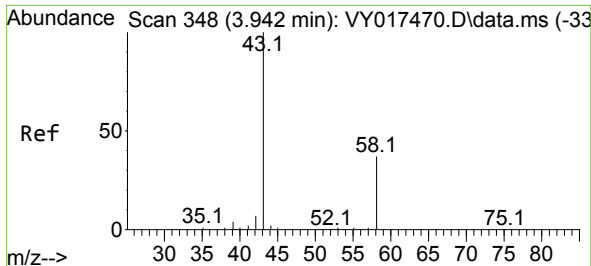
Tgt Ion:168 Resp: 115235
Ion Ratio Lower Upper
168 100
99 46.9 39.1 58.7



#11
Tert butyl alcohol
Concen: 6.705 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

Tgt Ion: 59 Resp: 622
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 7.808 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY017502.D

Acq: 27 Feb 2024 17:27

Instrument :

MSVOA_Y

ClientSampleId :

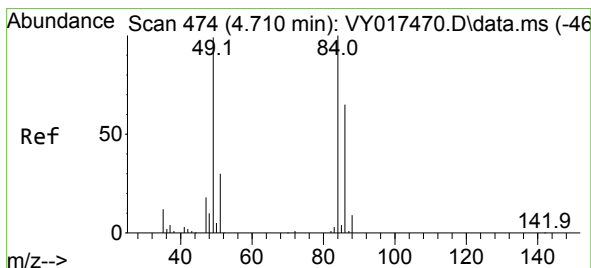
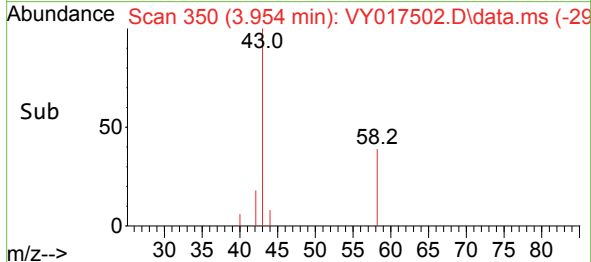
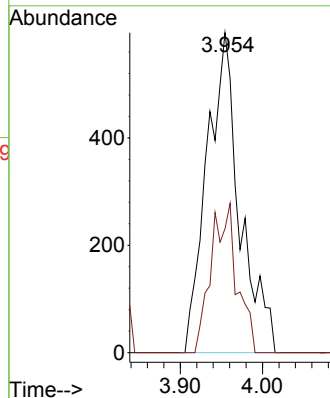
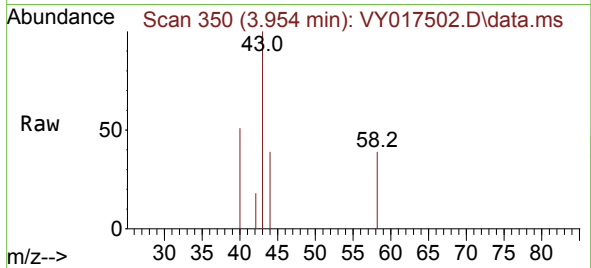
LKWD-BACKFILL-14

Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

58 38.8 31.7 47.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY017502.D

Acq: 27 Feb 2024 17:27

Tgt Ion: 84 Resp: 4310

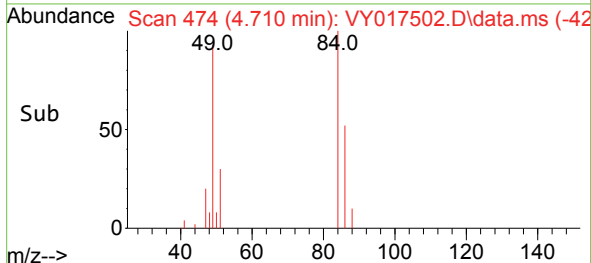
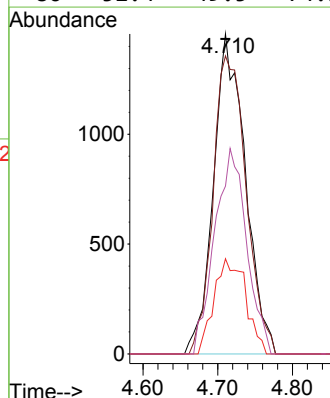
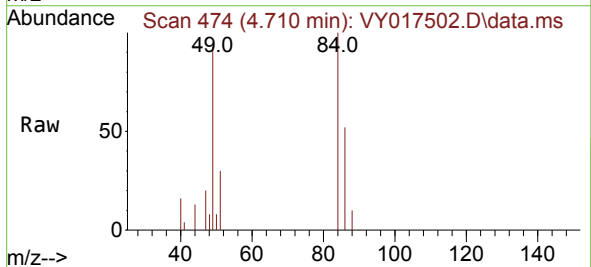
Ion Ratio Lower Upper

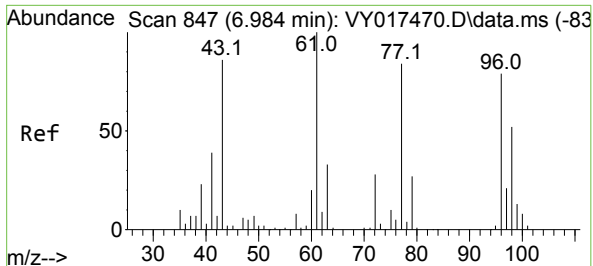
84 100

49 93.1 84.4 126.6

51 29.7 26.0 39.0

86 52.4 49.5 74.3





#25

2-Butanone

Concen: 1.090 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY017502.D

Acq: 27 Feb 2024 17:27

Instrument :

MSVOA_Y

ClientSampleId :

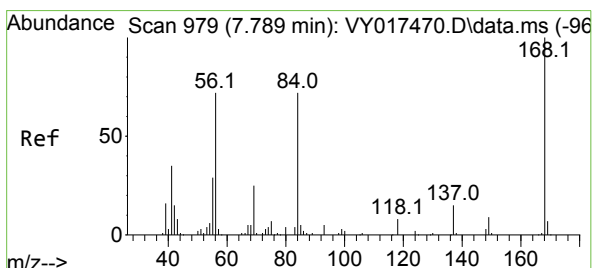
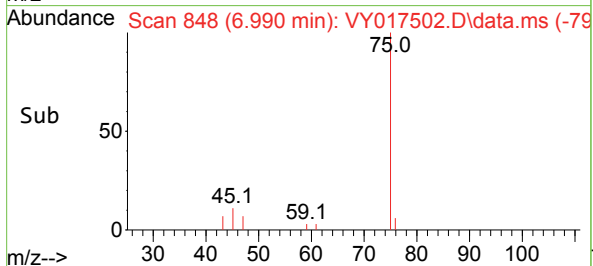
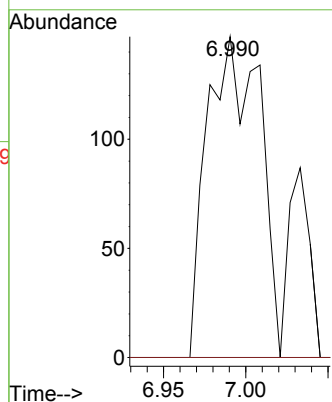
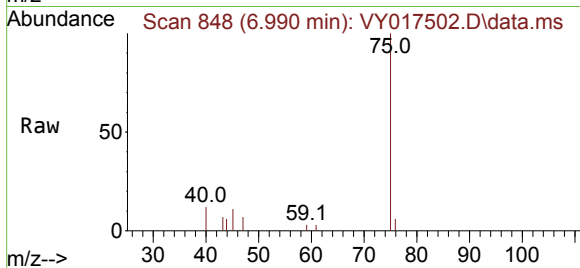
LKWD-BACKFILL-14

Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY017502.D

Acq: 27 Feb 2024 17:27

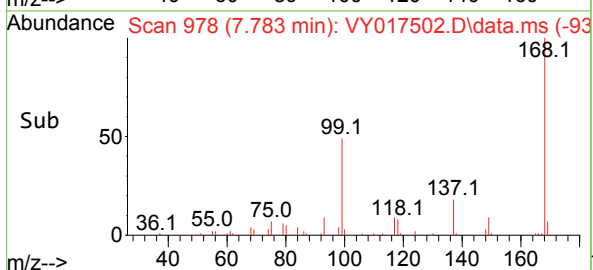
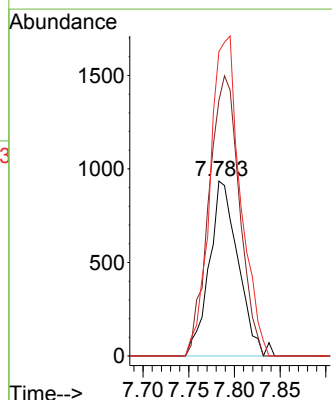
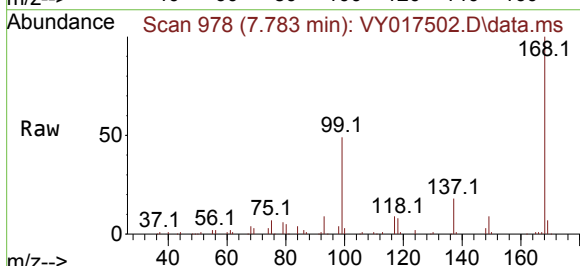
Tgt Ion: 56 Resp: 2056

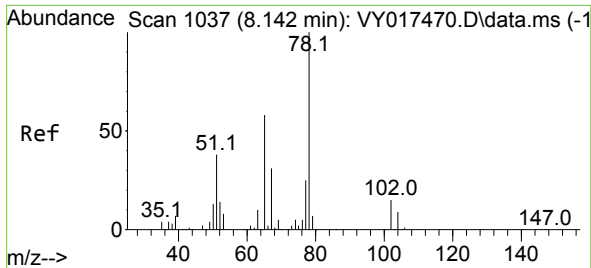
Ion Ratio Lower Upper

56 100

69 146.1 28.7 43.1#

84 174.1 77.7 116.5#

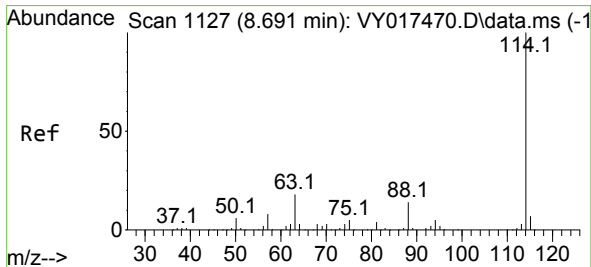
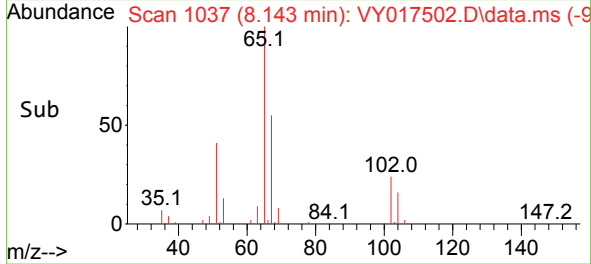
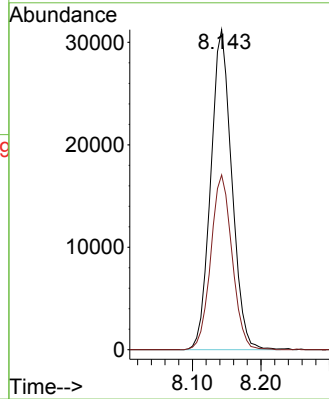
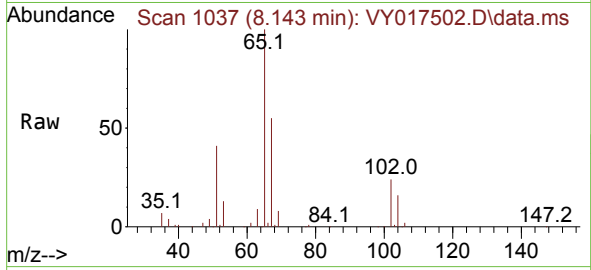




#33
 1,2-Dichloroethane-d4
 Concen: 61.006 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY017502.D
 Acq: 27 Feb 2024 17:27

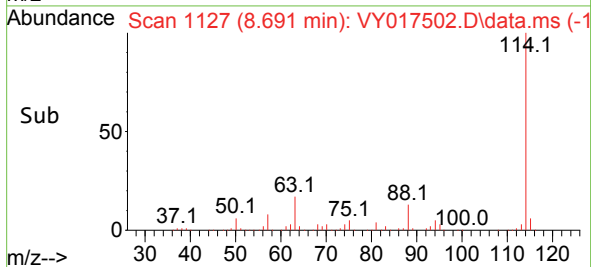
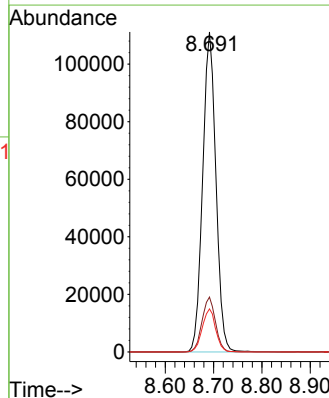
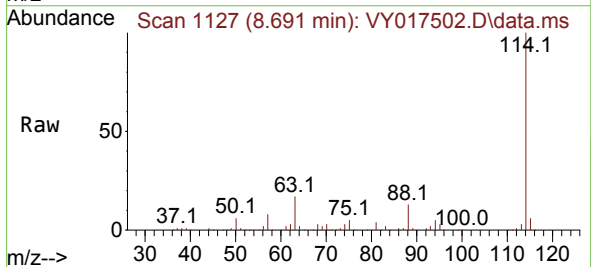
Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-14

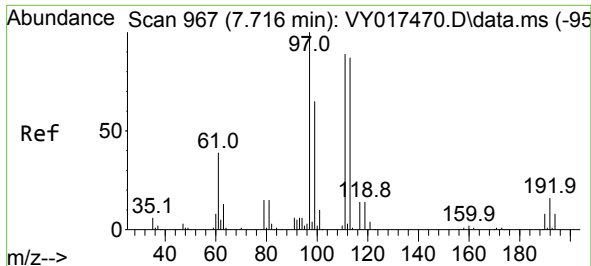
Tgt Ion: 65 Resp: 66626
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY017502.D
 Acq: 27 Feb 2024 17:27

Tgt Ion: 114 Resp: 211618
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.0
 88 13.4 0.0 27.2

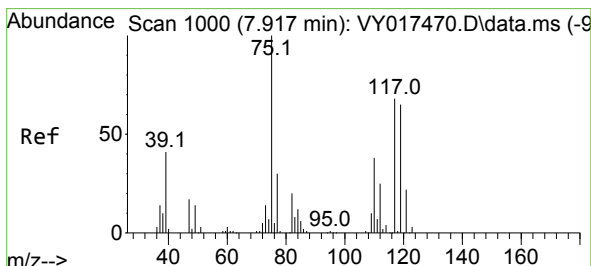
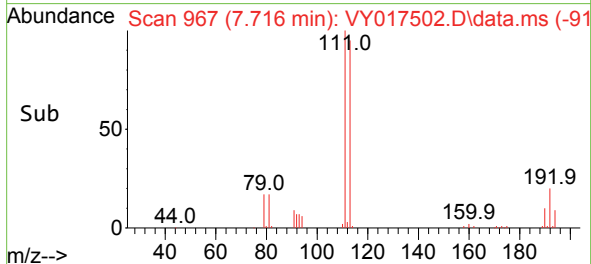
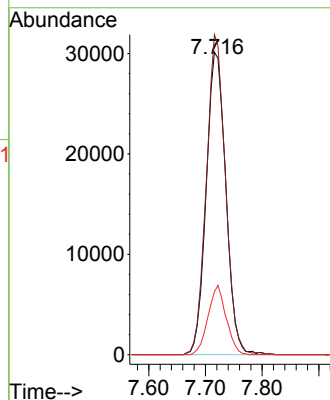
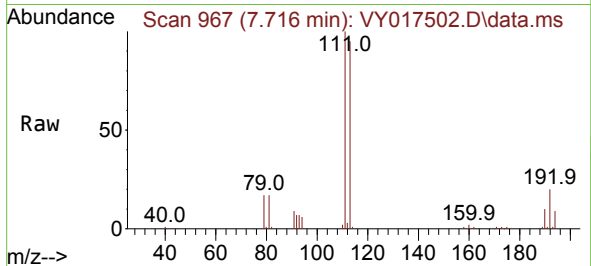




#35
Dibromofluoromethane
Concen: 49.085 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

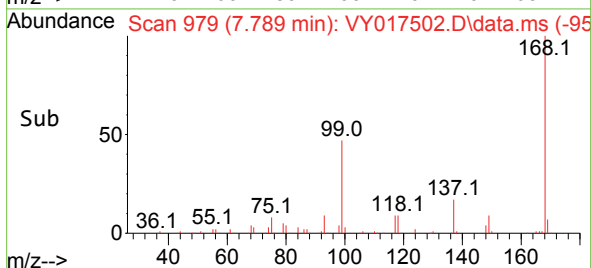
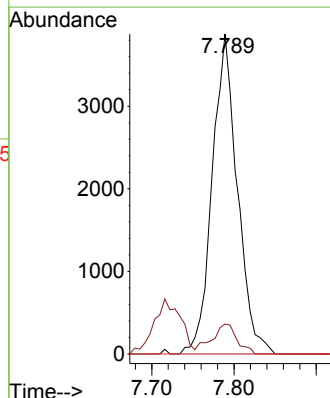
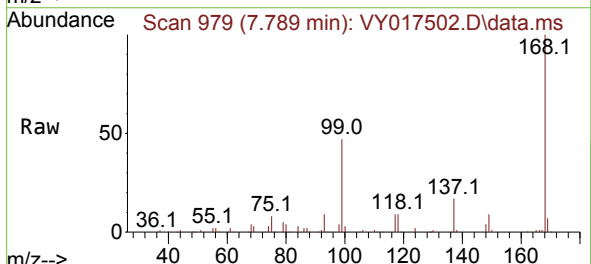
Instrument :
MSVOA_Y
ClientSampleId :
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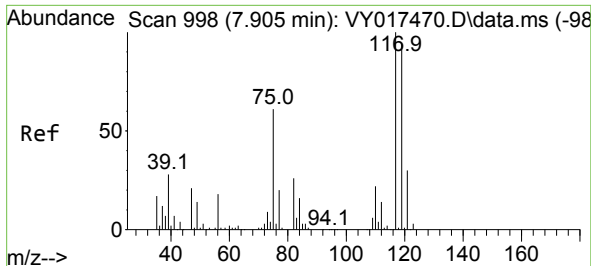
Tgt Ion:113 Resp: 72382
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 21.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.139 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

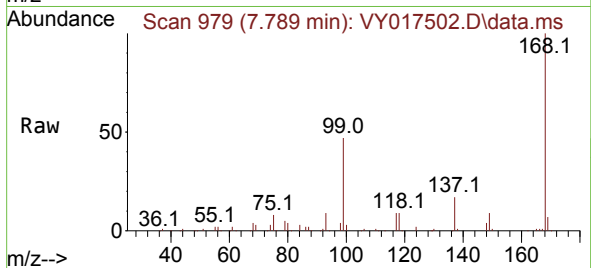
Tgt Ion: 75 Resp: 8235
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#



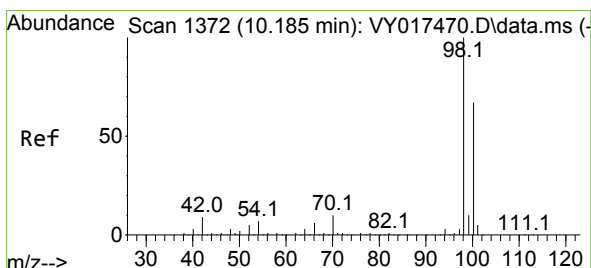
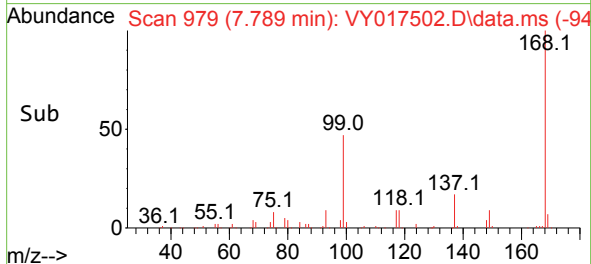
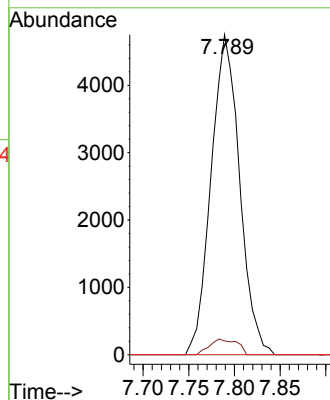


#38
Carbon Tetrachloride
Concen: 5.172 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

Instrument :
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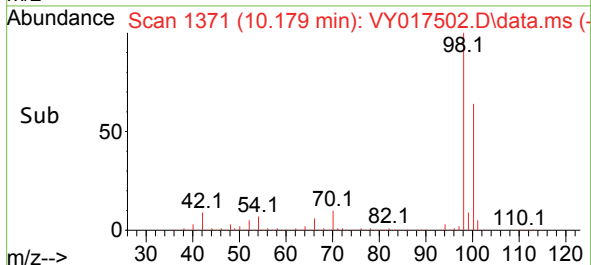
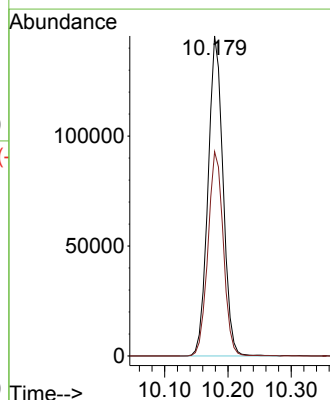
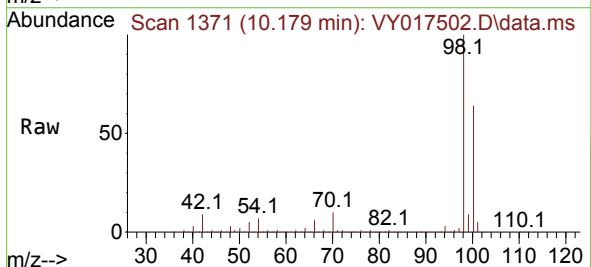


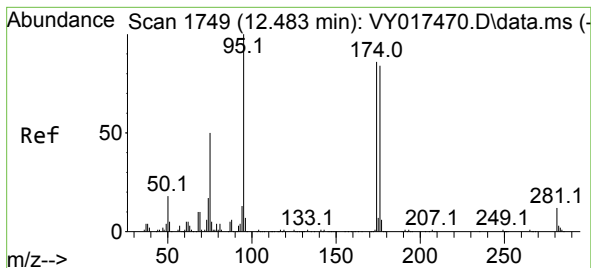
Tgt Ion:117 Resp: 10314
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.712 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

Tgt Ion: 98 Resp: 240841
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 42.500 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017502.D

Acq: 27 Feb 2024 17:27

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-14

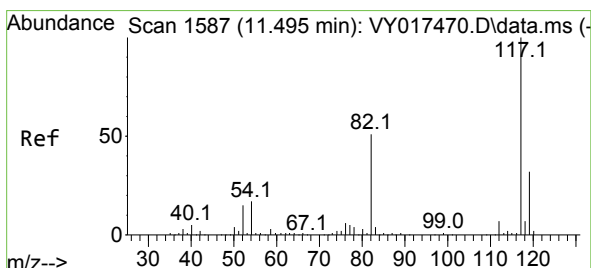
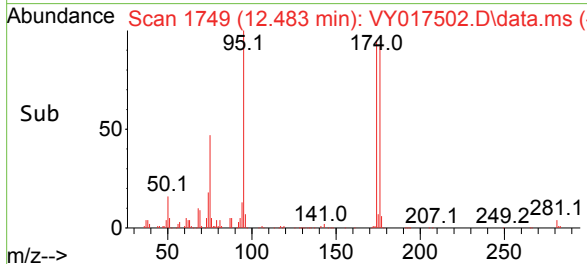
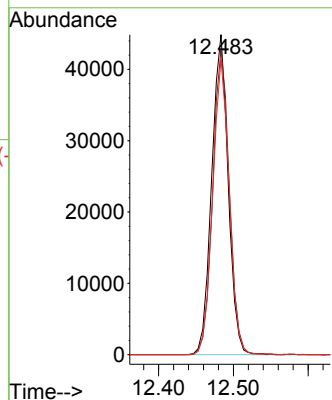
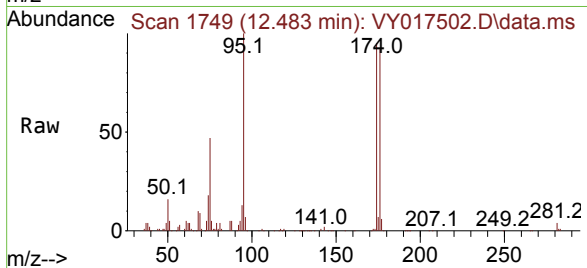
Tgt Ion: 95 Resp: 68865

Ion Ratio Lower Upper

95 100

174 96.2 0.0 175.6

176 92.5 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: VY017502.D

Acq: 27 Feb 2024 17:27

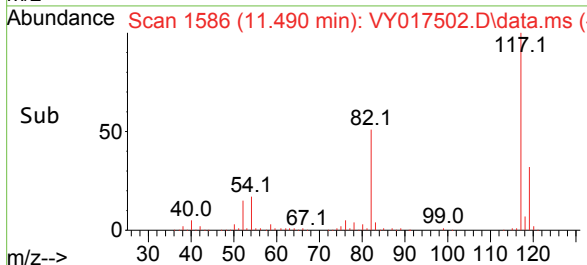
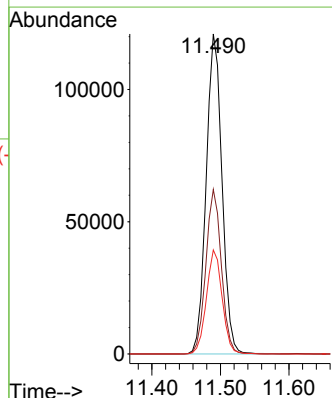
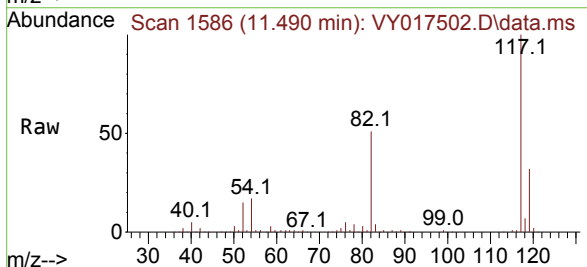
Tgt Ion: 117 Resp: 194284

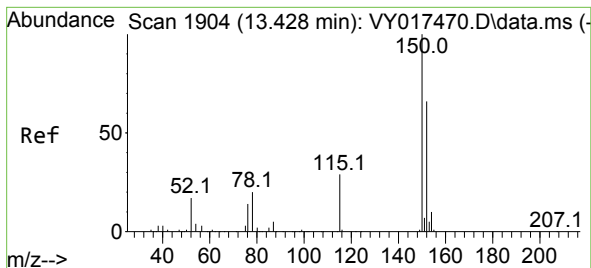
Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 32.5 25.9 38.9

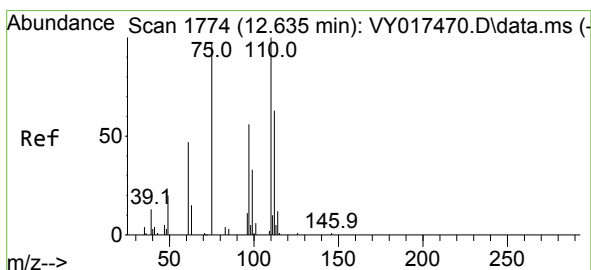
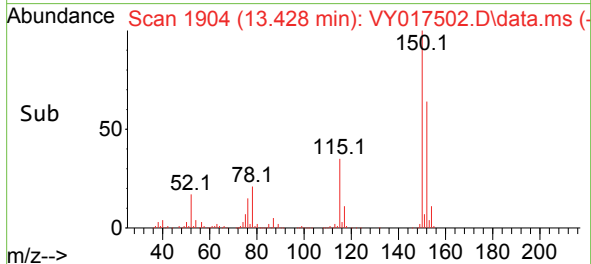
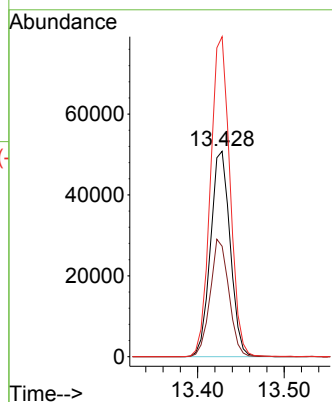
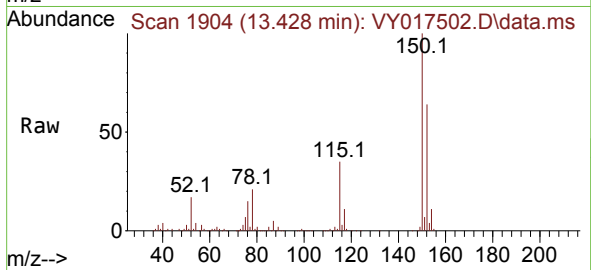




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY017502.D
 Acq: 27 Feb 2024 17:27

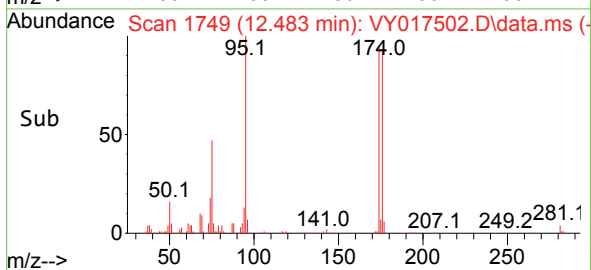
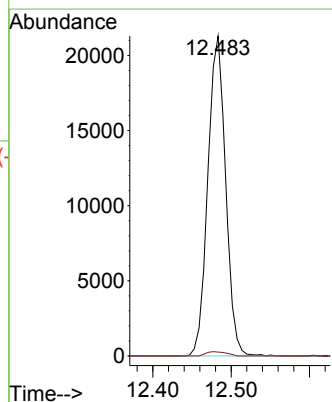
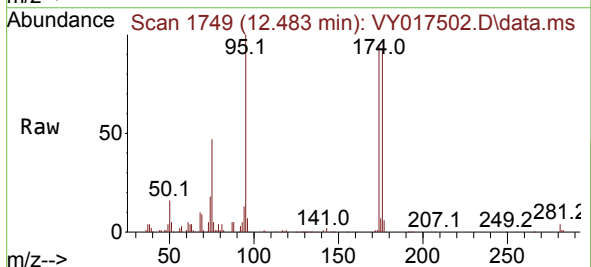
Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-14

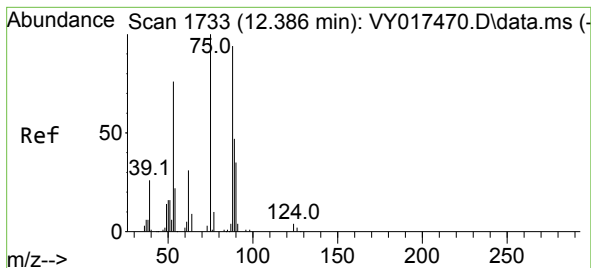
Tgt Ion:152 Resp: 79990
 Ion Ratio Lower Upper
 152 100
 115 54.5 28.2 84.7
 150 155.0 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 44.150 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY017502.D
 Acq: 27 Feb 2024 17:27

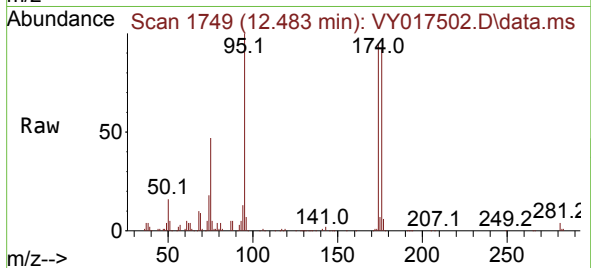
Tgt Ion: 75 Resp: 33555
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



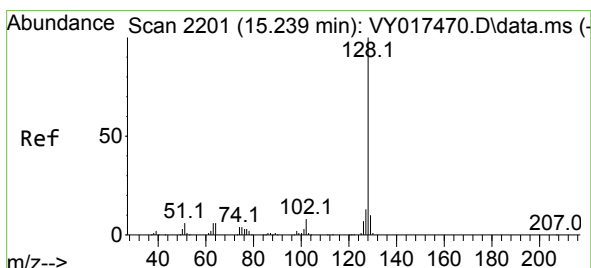
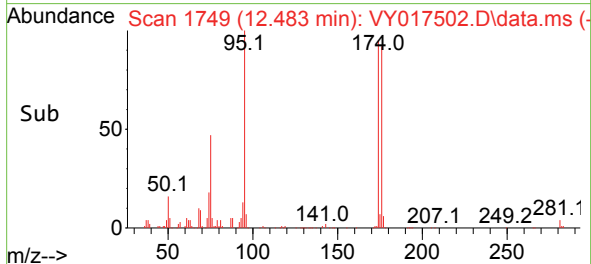
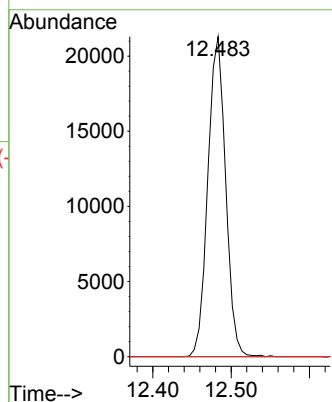


#81
trans-1,4-Dichloro-2-butene
Concen: 101.446 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-14



Tgt Ion: 75 Resp: 33555
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.054 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY017502.D
Acq: 27 Feb 2024 17:27

Tgt Ion:128 Resp: 380
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

