

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022624\
 Data File : VY017484.D
 Acq On : 26 Feb 2024 16:14
 Operator : SY/MD
 Sample : P1564-09
 Misc : 3.88g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-13

Quant Time: Feb 27 01:54:15 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)

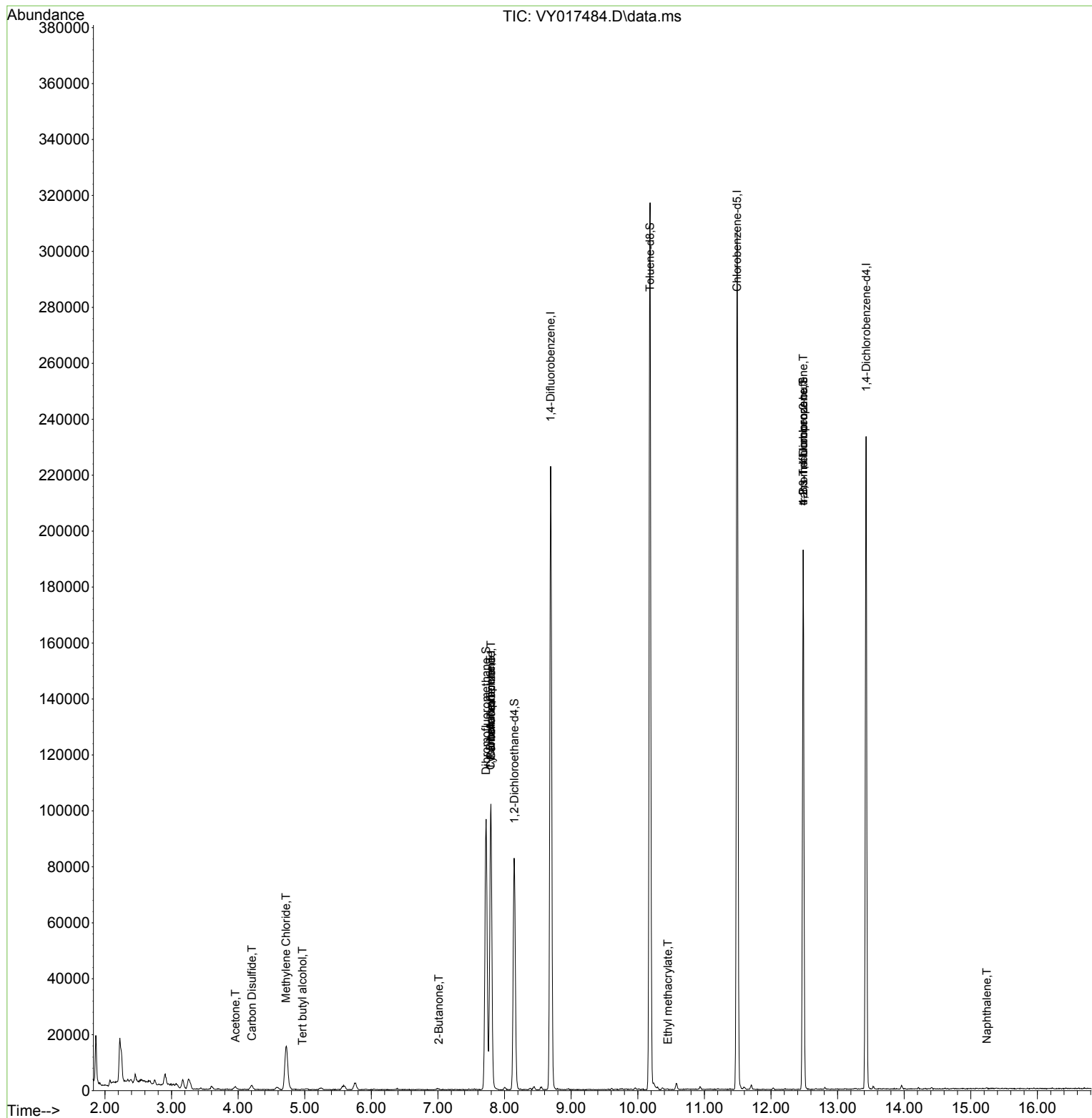
Internal Standards						
1) Pentafluorobenzene	7.795	168	84121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	205208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	180765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62795	78.765	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	157.540%
35) Dibromofluoromethane	7.722	113	69764	48.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.580%
50) Toluene-d8	10.185	98	217421	43.487	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.980%
62) 4-Bromofluorobenzene	12.483	95	55884	35.566	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	265	3.913	ug/l #	88
16) Acetone	3.960	43	2041	13.199	ug/l	89
17) Carbon Disulfide	4.204	76	2732	1.145	ug/l	99
20) Methylene Chloride	4.716	84	13227	10.199	ug/l	95
25) 2-Butanone	7.015	43	274	1.243	ug/l #	41
31) Cyclohexane	7.789	56	1587	1.223	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	5739	2.975	ug/l #	48
38) Carbon Tetrachloride	7.795	117	7951	4.112	ug/l #	17
56) Ethyl methacrylate	10.453	69	53	2.574	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	27756	46.984	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27756	107.958	ug/l #	16
95) Naphthalene	15.239	128	191	4.005	ug/l #	69

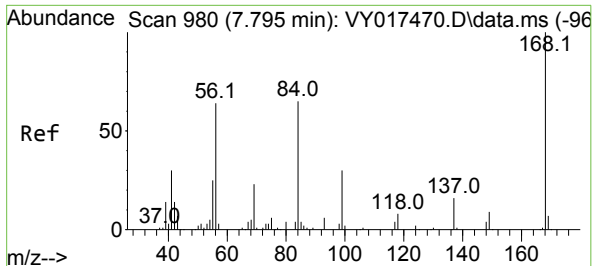
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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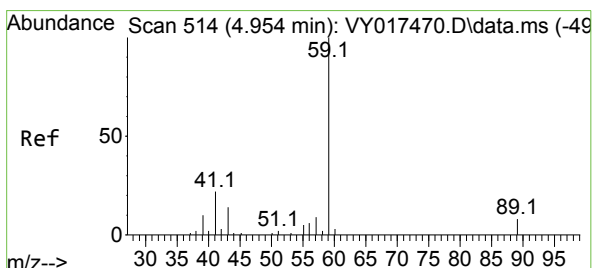
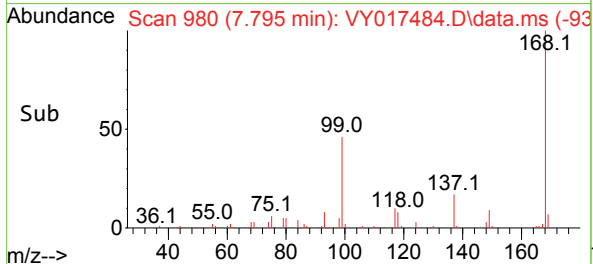
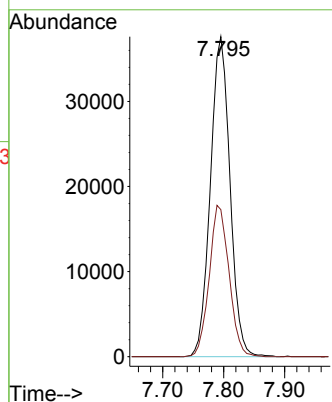
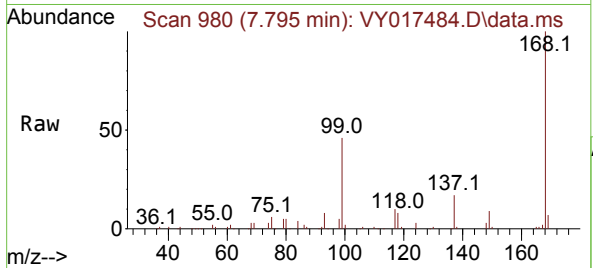




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

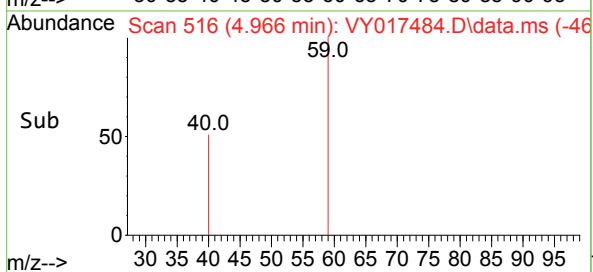
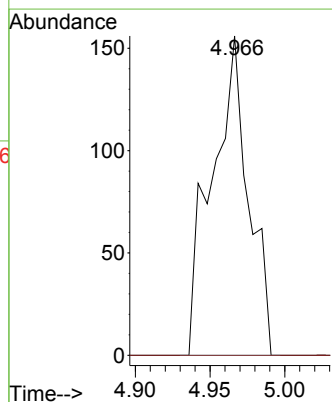
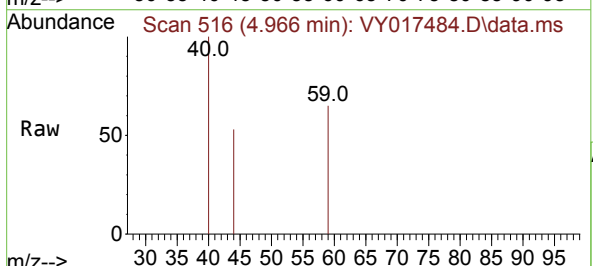
Instrument :
MSVOA_Y
ClientSampleId :
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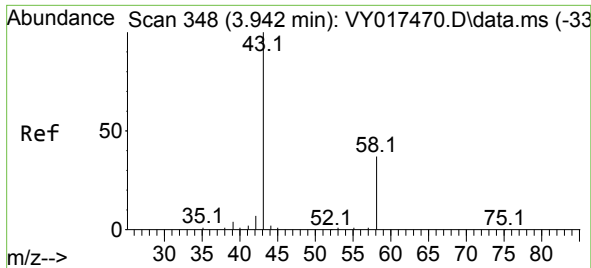
Tgt Ion:168 Resp: 84121
Ion Ratio Lower Upper
168 100
99 46.0 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.913 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 13.199 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.019 min

Lab File: VY017484.D

Acq: 26 Feb 2024 16:14

Instrument :

MSVOA_Y

ClientSampleId :

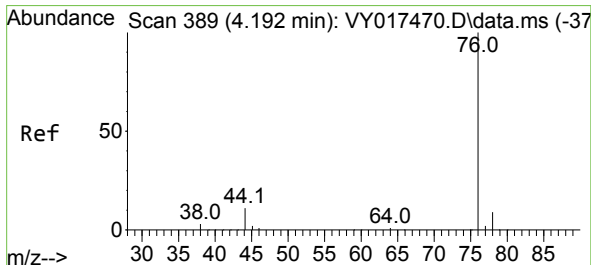
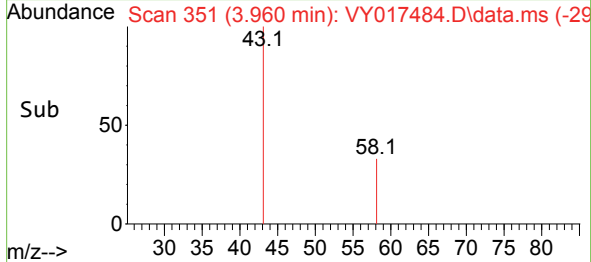
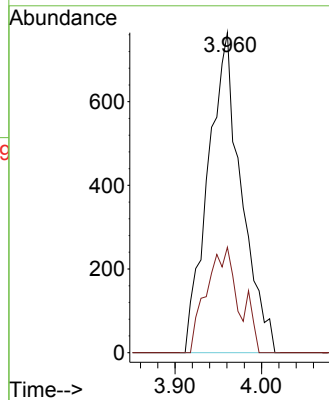
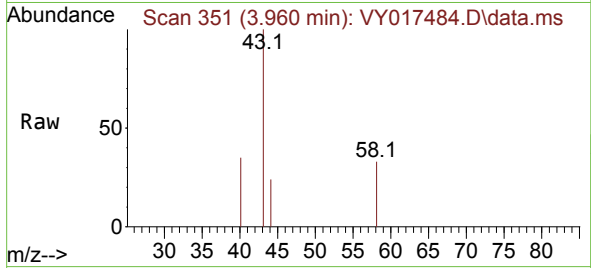
LKWD-BACKFILL-13

Tgt Ion: 43 Resp: 2041

Ion Ratio Lower Upper

43 100

58 32.9 31.7 47.5



#17

Carbon Disulfide

Concen: 1.145 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.012 min

Lab File: VY017484.D

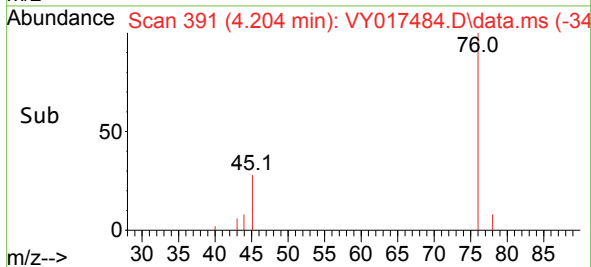
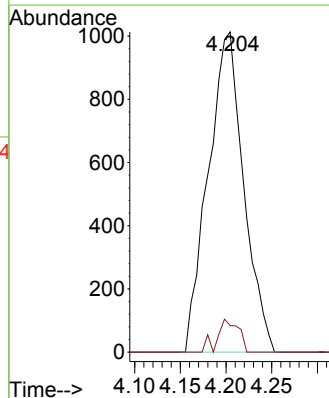
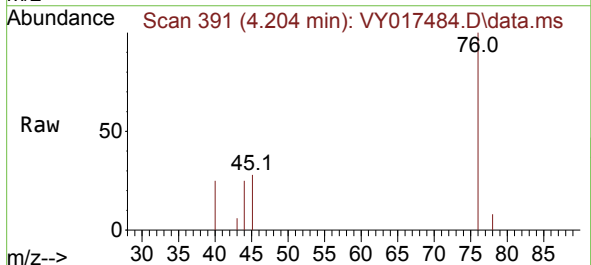
Acq: 26 Feb 2024 16:14

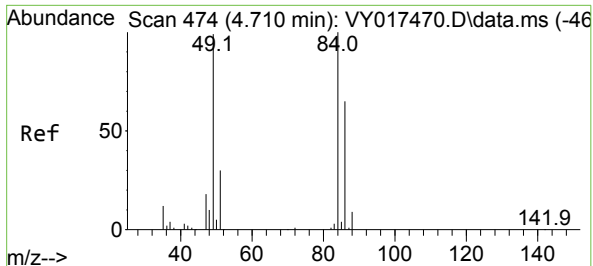
Tgt Ion: 76 Resp: 2732

Ion Ratio Lower Upper

76 100

78 8.3 6.8 10.2

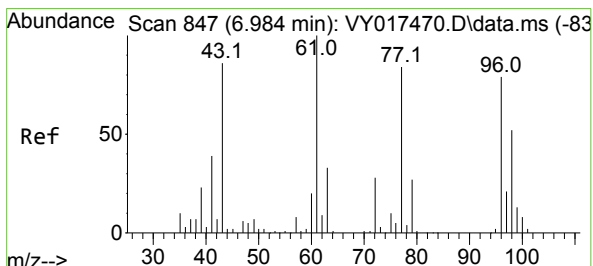
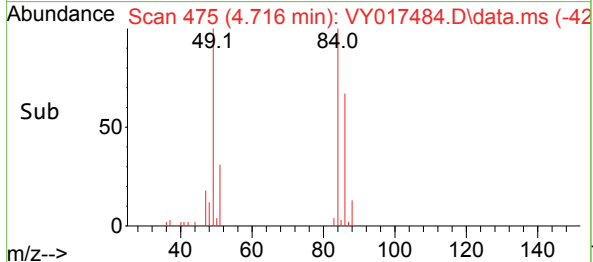
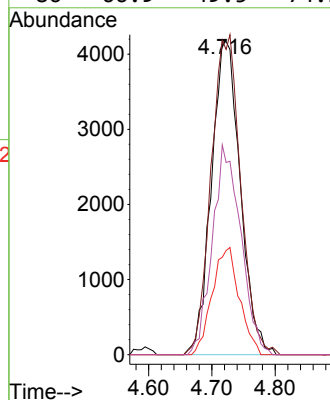
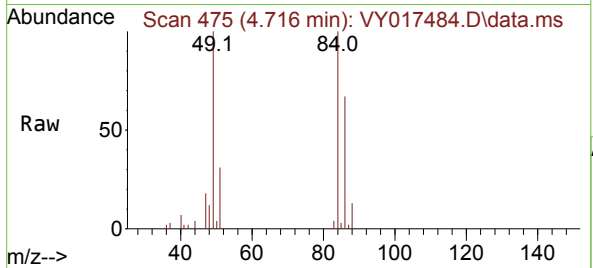




#20
Methylene Chloride
Concen: 10.199 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

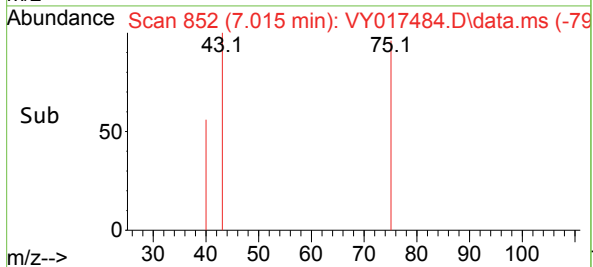
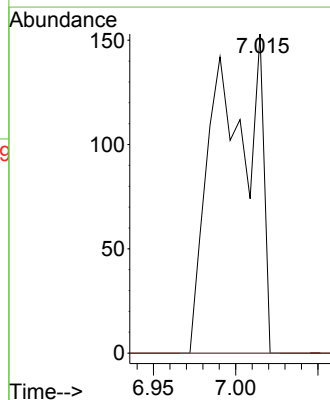
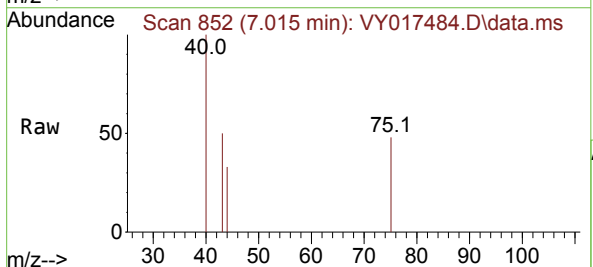
Instrument :
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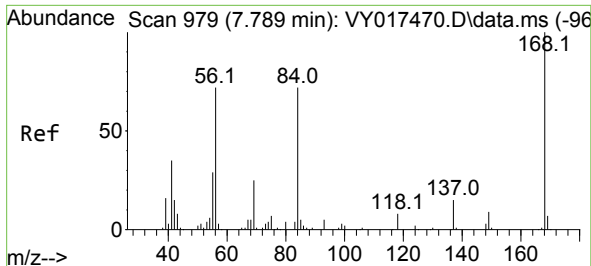
Tgt Ion:	84	Resp:	13227
Ion	Ratio	Lower	Upper
84	100		
49	100.2	84.4	126.6
51	31.1	26.0	39.0
86	66.9	49.5	74.3



#25
2-Butanone
Concen: 1.243 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.031 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

Tgt Ion:	43	Resp:	274
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#

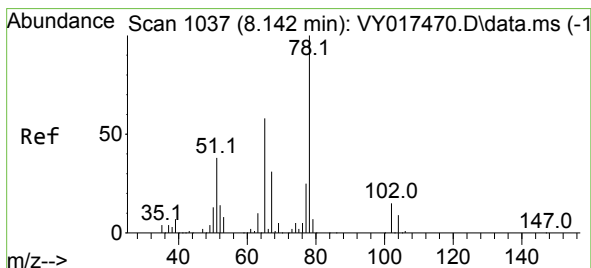
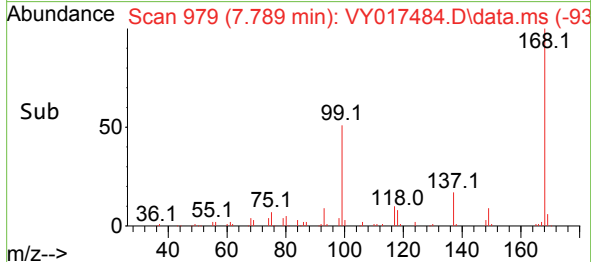
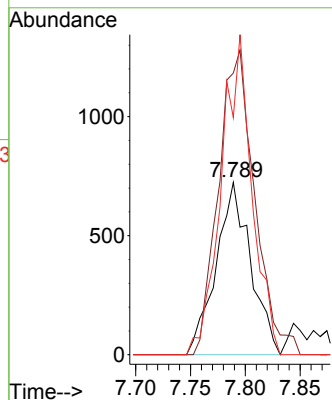
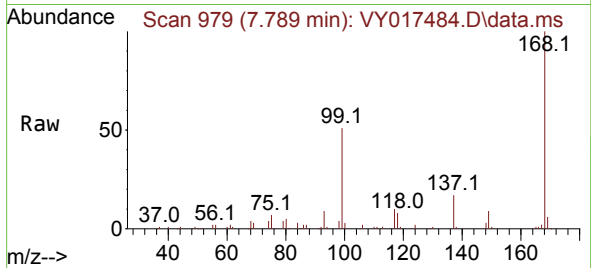




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

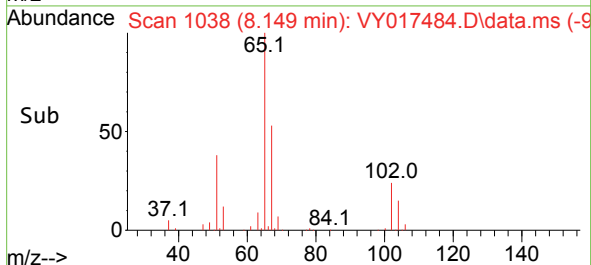
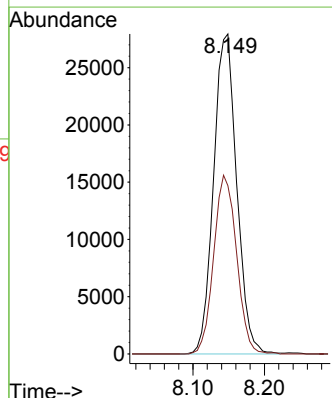
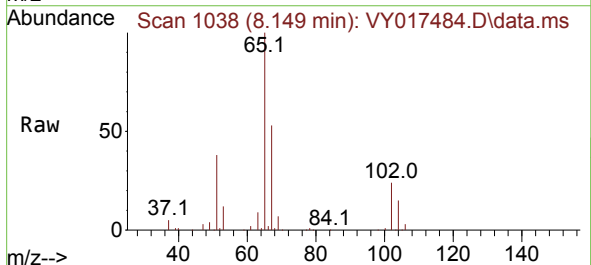
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-13

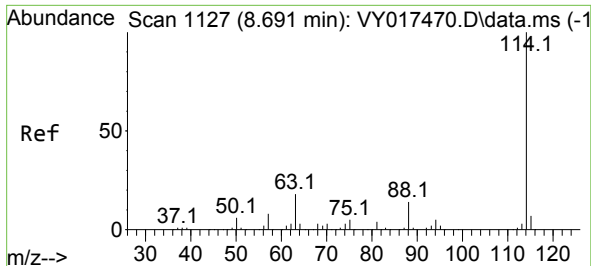
Tgt Ion: 56 Resp: 1587
Ion Ratio Lower Upper
56 100
69 163.4 28.7 43.1#
84 137.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 78.765 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

Tgt Ion: 65 Resp: 62795
Ion Ratio Lower Upper
65 100
67 55.3 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: VY017484.D

Acq: 26 Feb 2024 16:14

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-13

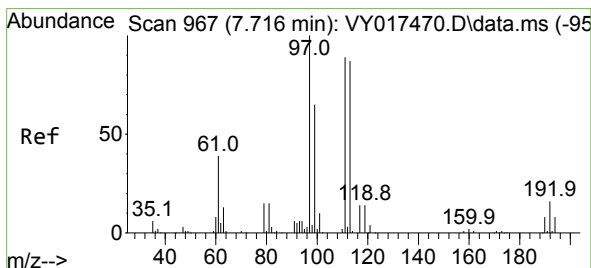
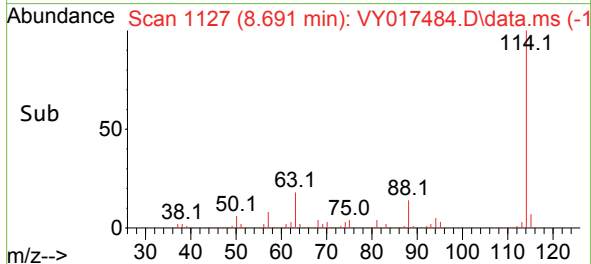
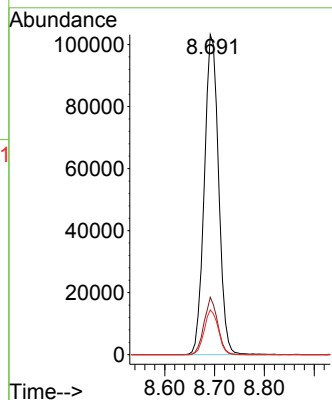
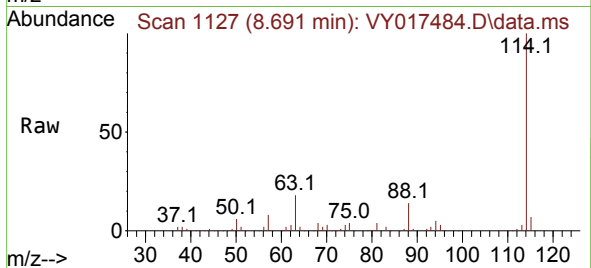
Tgt Ion:114 Resp: 205208

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.788 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017484.D

Acq: 26 Feb 2024 16:14

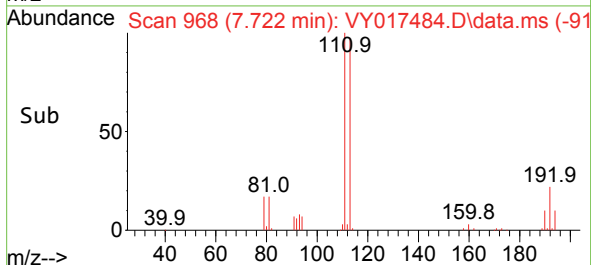
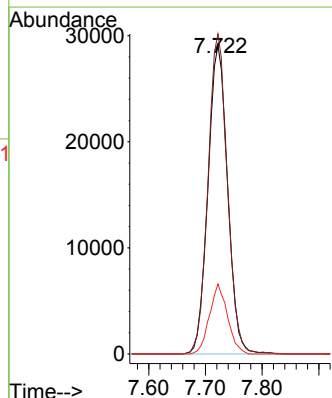
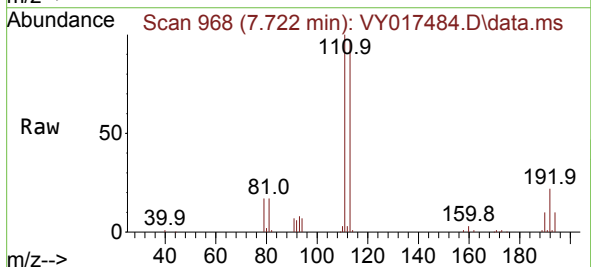
Tgt Ion:113 Resp: 69764

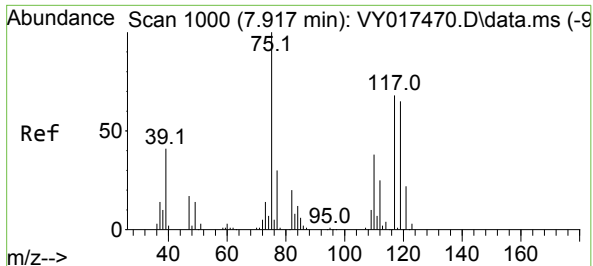
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 20.9 15.9 23.9

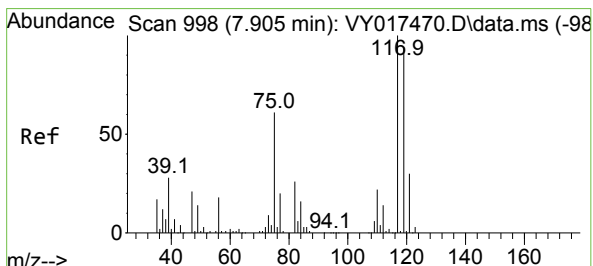
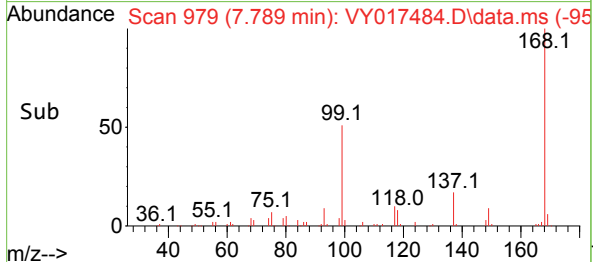
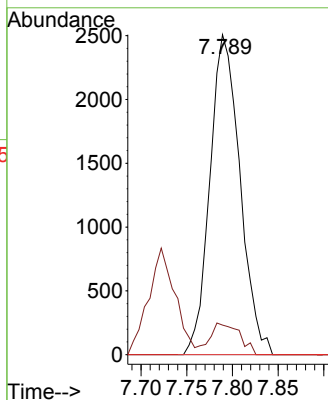
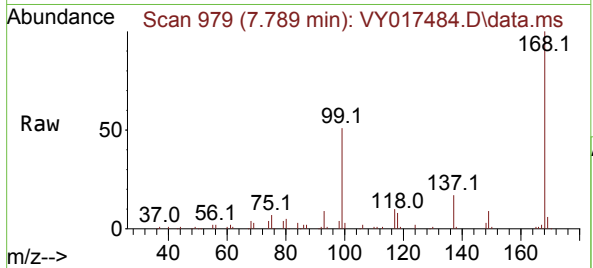




#36
1,1-Dichloropropene
Concen: 2.975 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

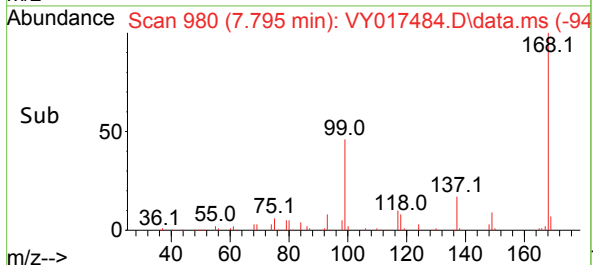
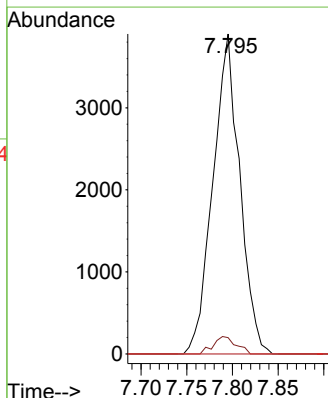
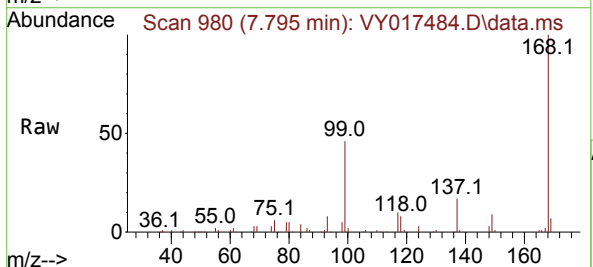
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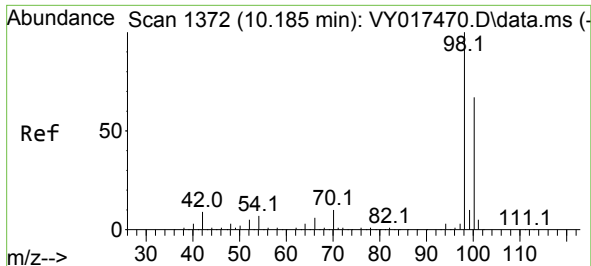
Tgt Ion: 75 Resp: 5739
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.112 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.109 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

Tgt Ion: 117 Resp: 7951
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.0 36.0#

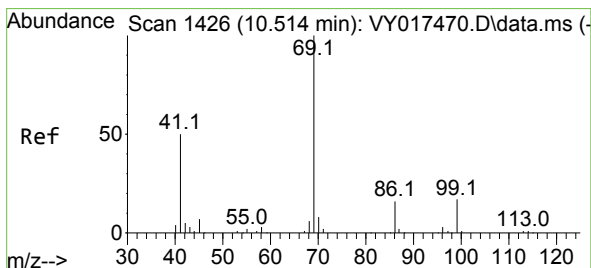
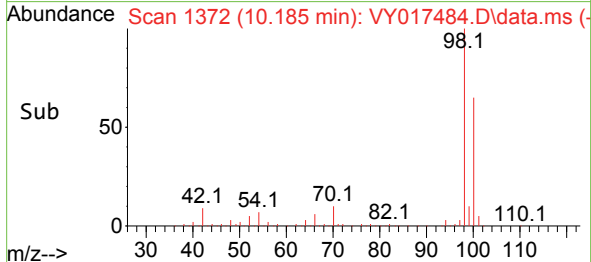
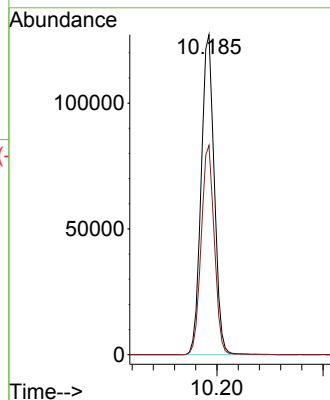
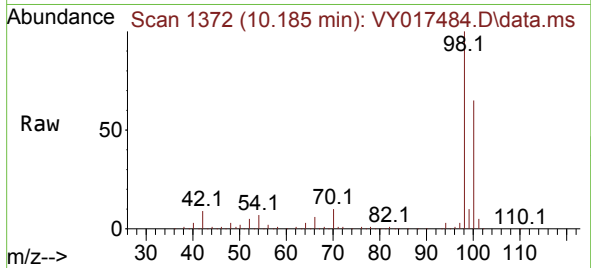




#50
Toluene-d8
Concen: 43.487 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

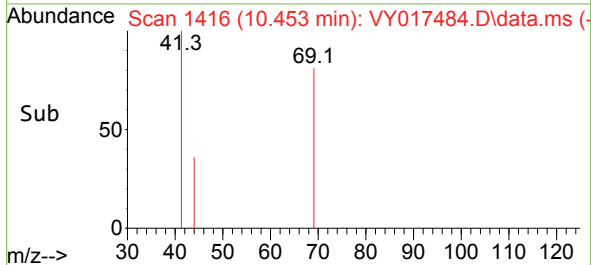
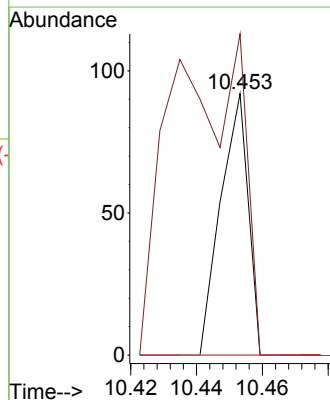
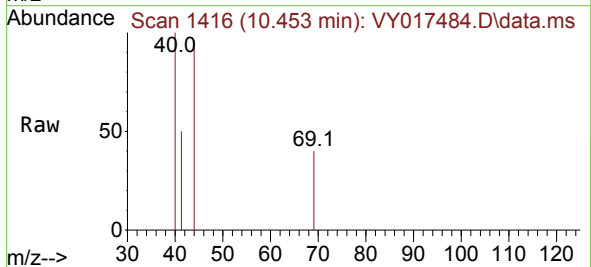
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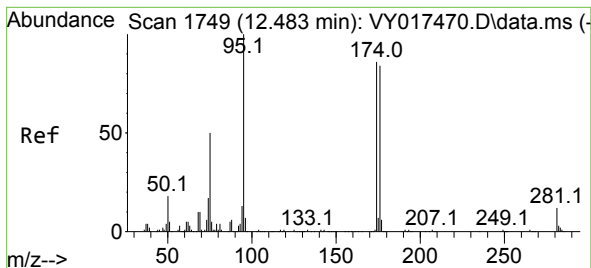
Tgt Ion: 98 Resp: 217421
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#56
Ethyl methacrylate
Concen: 2.574 ug/l
RT: 10.453 min Scan# 1416
Delta R.T. -0.061 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

Tgt Ion: 69 Resp: 53
Ion Ratio Lower Upper
69 100
41 317.0 42.3 63.5#
39 0.0 22.9 34.3#





#62

4-Bromofluorobenzene

Concen: 35.566 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017484.D

Acq: 26 Feb 2024 16:14

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-13

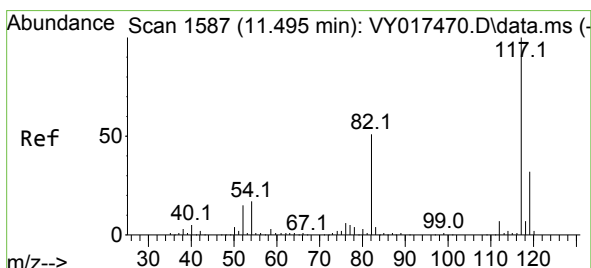
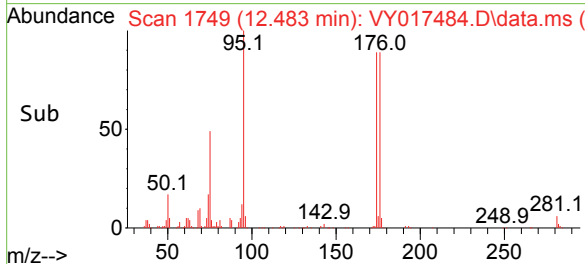
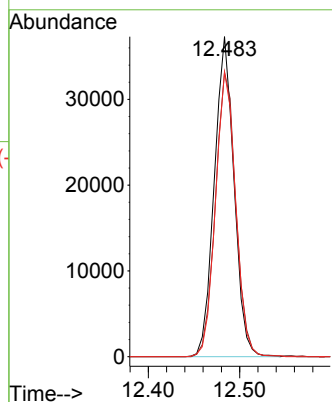
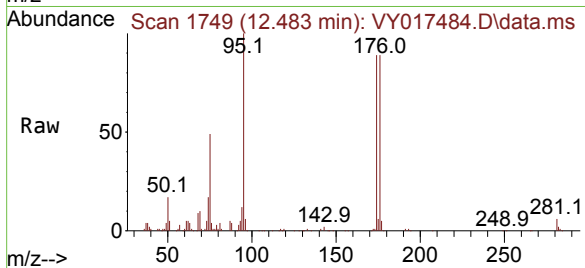
Tgt Ion: 95 Resp: 55884

Ion Ratio Lower Upper

95 100

174 92.2 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: VY017484.D

Acq: 26 Feb 2024 16:14

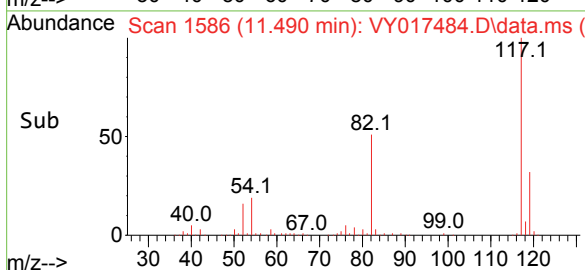
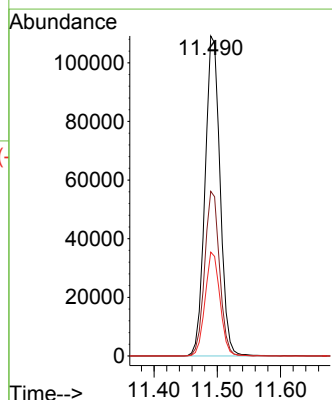
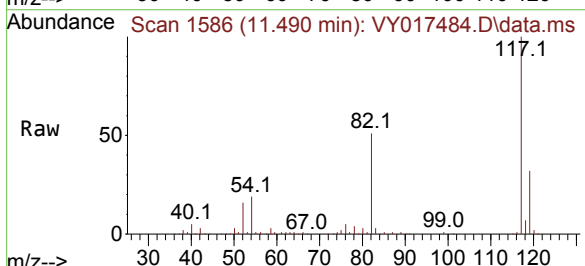
Tgt Ion: 117 Resp: 180765

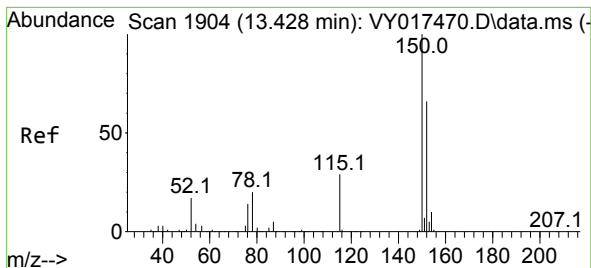
Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 32.4 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: VY017484.D

Acq: 26 Feb 2024 16:14

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-13

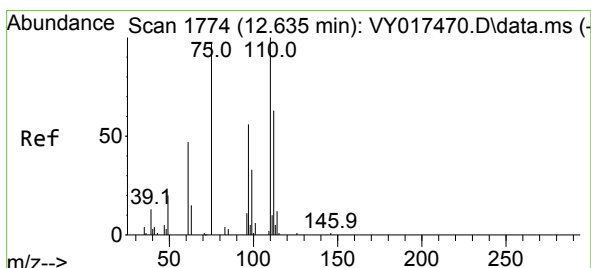
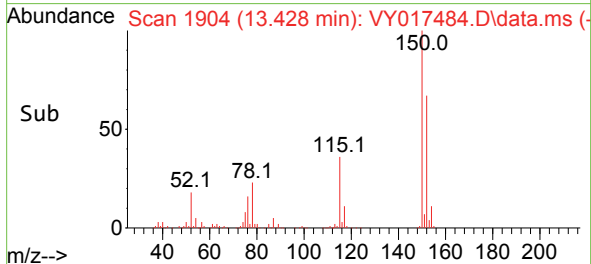
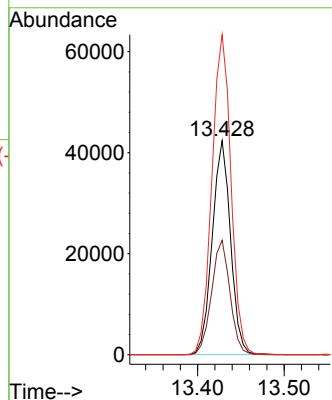
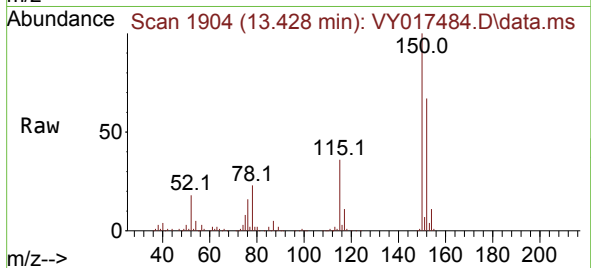
Tgt Ion:152 Resp: 62175

Ion Ratio Lower Upper

152 100

115 53.9 28.2 84.7

150 155.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 46.984 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017484.D

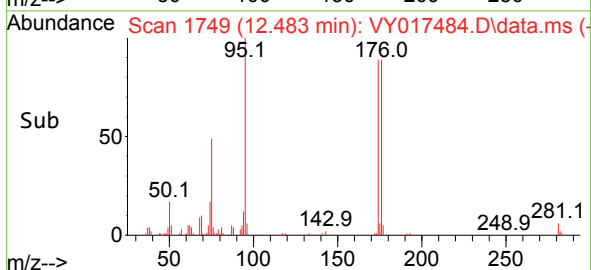
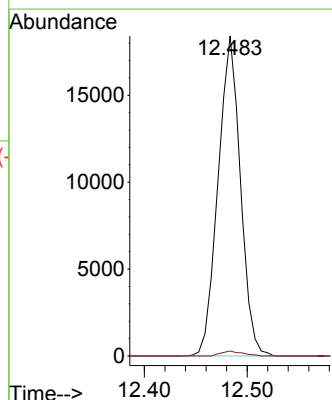
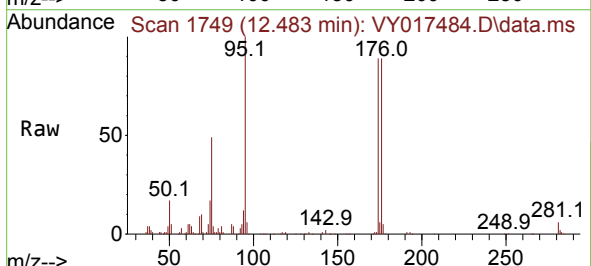
Acq: 26 Feb 2024 16:14

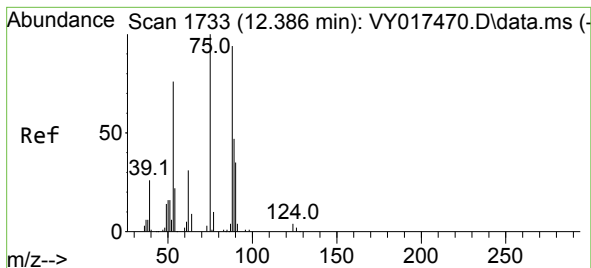
Tgt Ion: 75 Resp: 27756

Ion Ratio Lower Upper

75 100

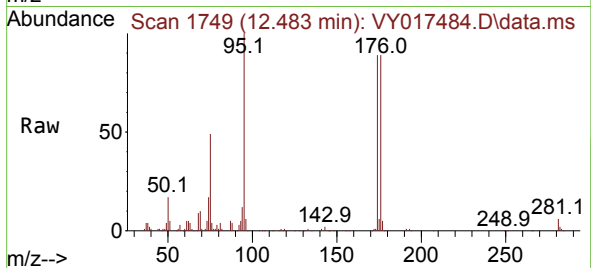
77 1.5 0.0 0.0#



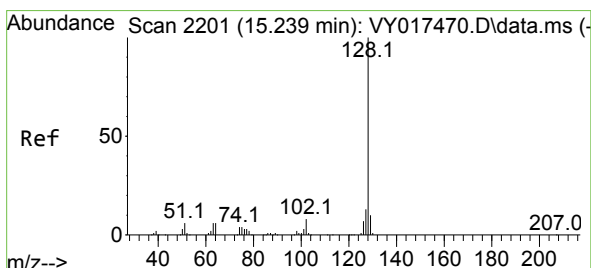
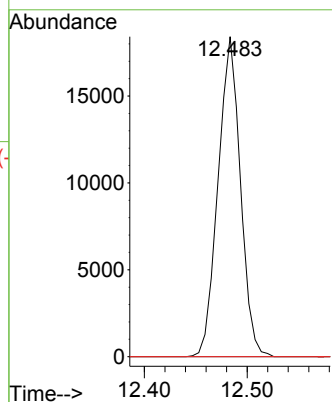
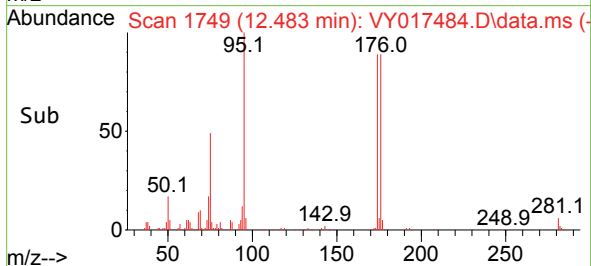


#81
trans-1,4-Dichloro-2-butene
Concen: 107.958 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14

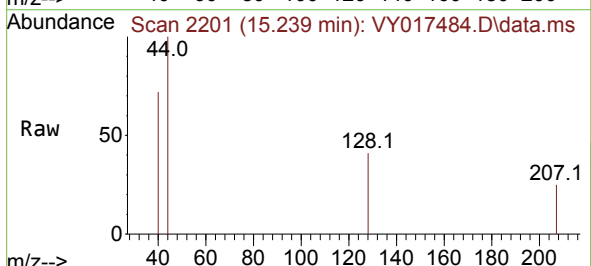
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-13



Tgt Ion: 75 Resp: 27756
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.005 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY017484.D
Acq: 26 Feb 2024 16:14



Tgt Ion: 128 Resp: 191
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

