

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022624\
 Data File : VY017480.D
 Acq On : 26 Feb 2024 14:26
 Operator : SY/MD
 Sample : P1564-07
 Misc : 3.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-12

Quant Time: Feb 27 01:52:50 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)

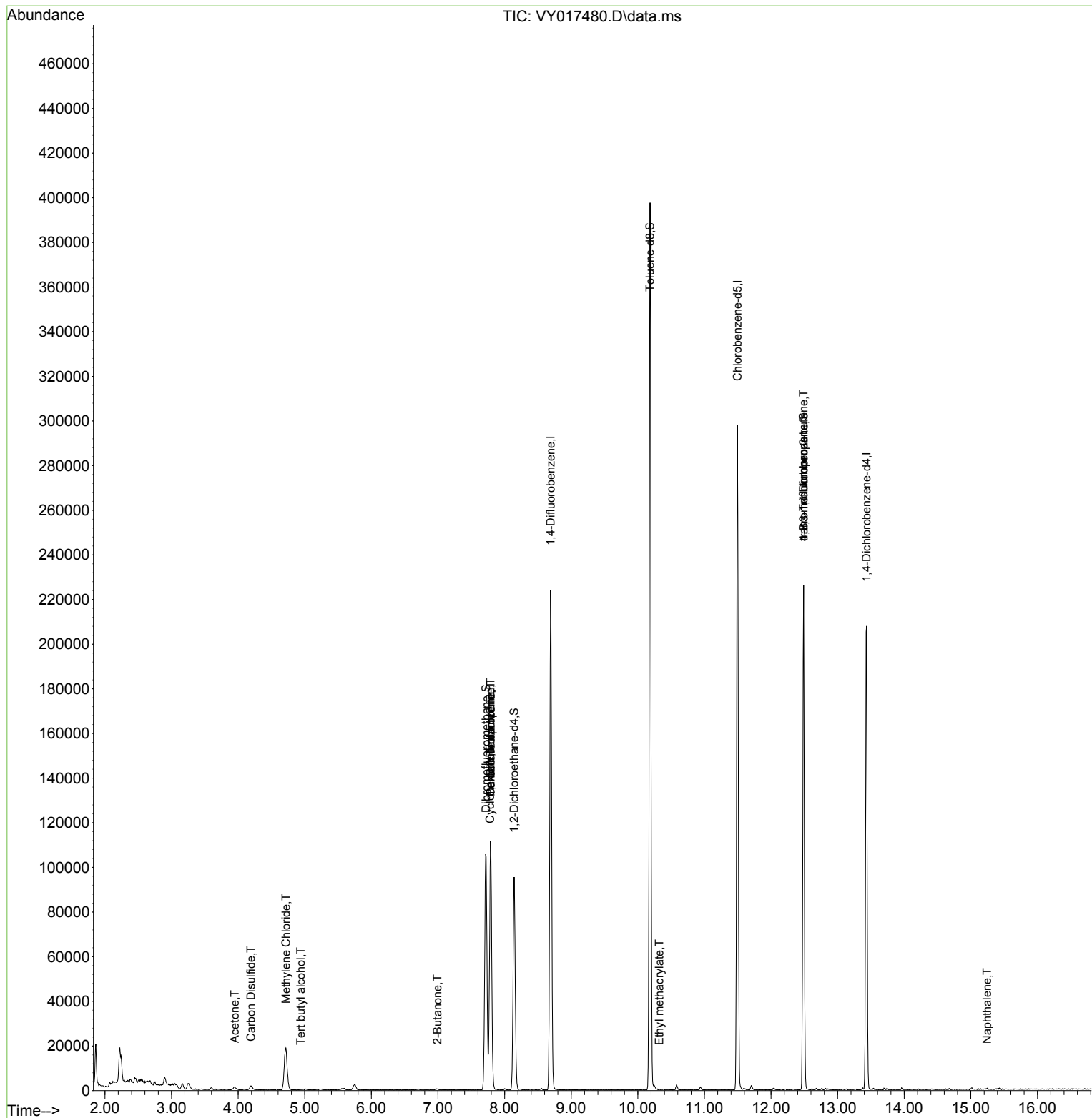
Internal Standards						
1) Pentafluorobenzene	7.789	168	92601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	170548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	57347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	71081	80.994	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.980%	
35) Dibromofluoromethane	7.722	113	77738	54.938	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.880%	
50) Toluene-d8	10.185	98	265761	53.717	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.440%	
62) 4-Bromofluorobenzene	12.489	95	65212	41.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.880%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.942	59	102	1.368	ug/l #	88
16) Acetone	3.948	43	2149	12.625	ug/l	96
17) Carbon Disulfide	4.192	76	3108	1.184	ug/l	97
20) Methylene Chloride	4.716	84	15685	11.461	ug/l	95
25) 2-Butanone	6.990	43	324	1.336	ug/l #	41
31) Cyclohexane	7.783	56	1862	1.304	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6619	3.467	ug/l #	47
38) Carbon Tetrachloride	7.789	117	8489	4.437	ug/l #	17
56) Ethyl methacrylate	10.325	69	21	2.552	ug/l #	47
76) 1,2,3-Trichloropropane	12.489	75	32853	60.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	32853	138.541	ug/l #	16
95) Naphthalene	15.245	128	794	4.322	ug/l #	76

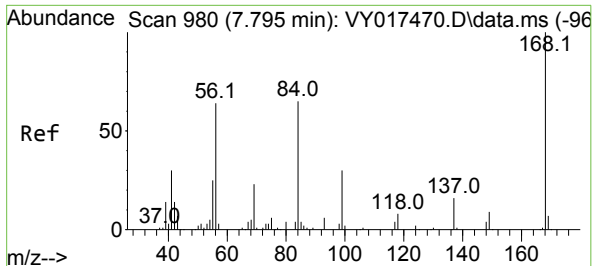
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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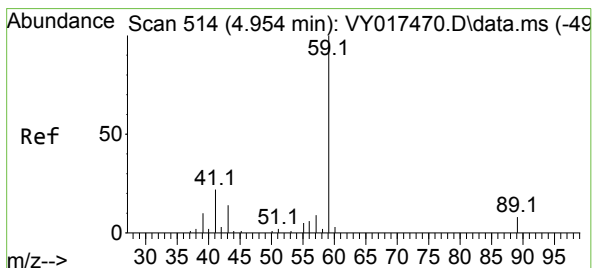
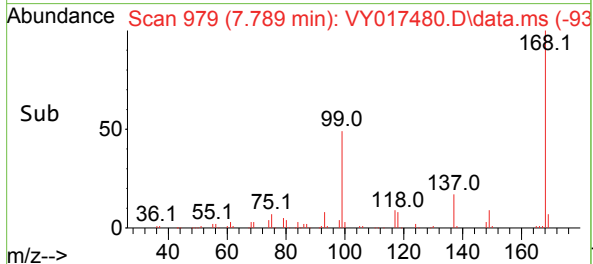
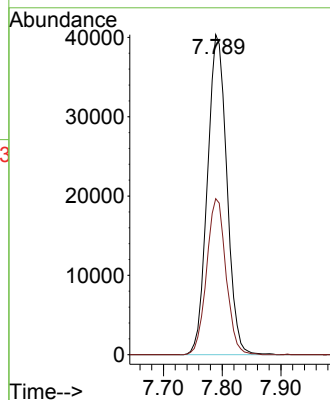
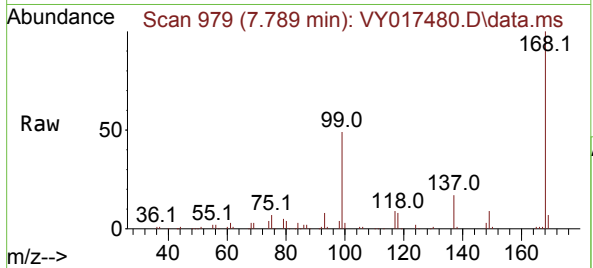




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

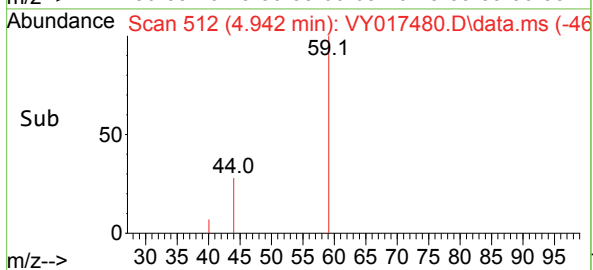
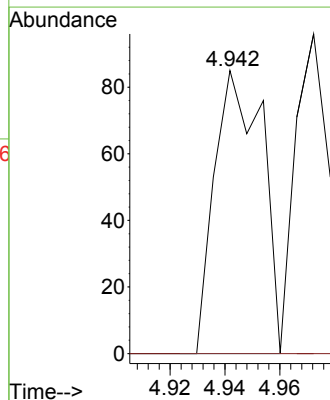
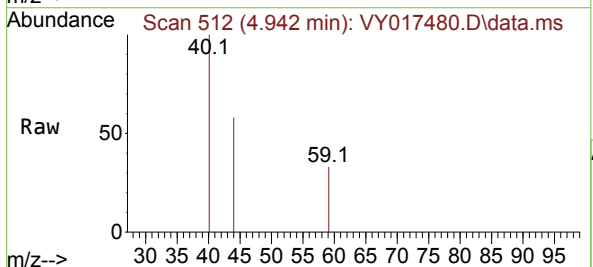
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-12

Tgt Ion:168 Resp: 92601
Ion Ratio Lower Upper
168 100
99 48.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.368 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

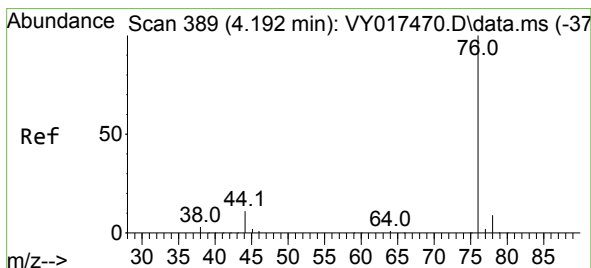
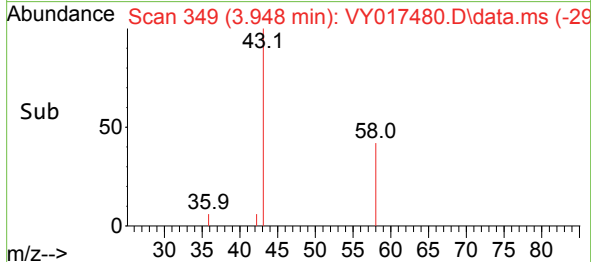
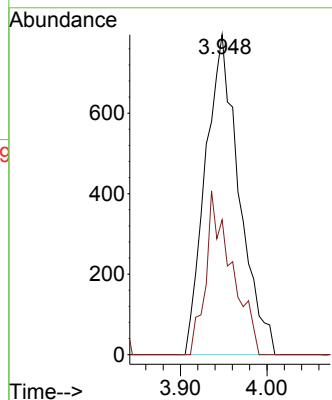
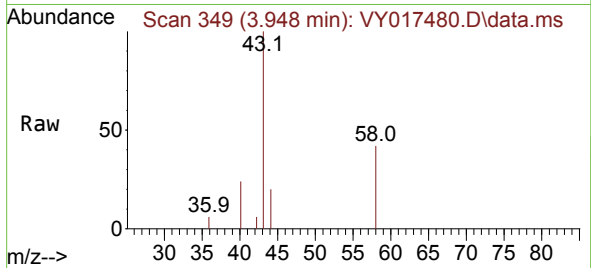




#16
Acetone
Concen: 12.625 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

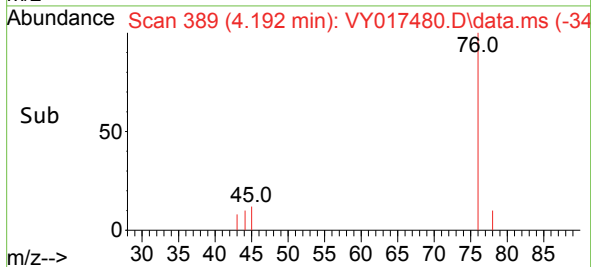
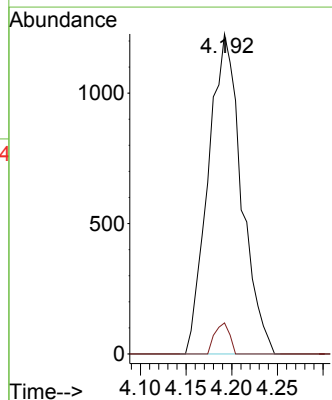
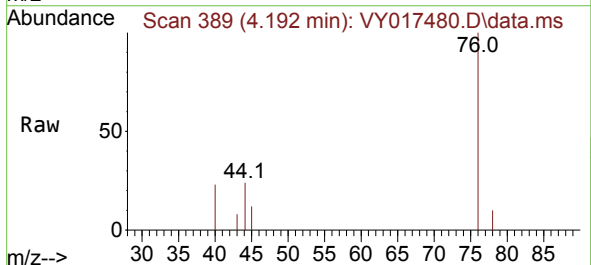
Instrument :
MSVOA_Y
ClientSampleId :
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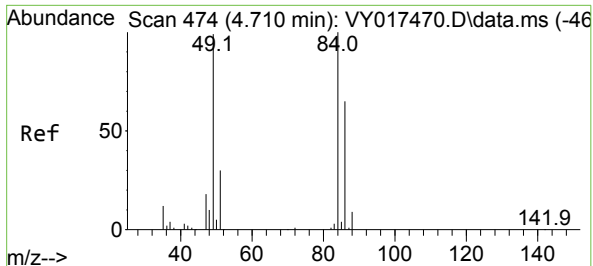
Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
58 42.1 31.7 47.5



#17
Carbon Disulfide
Concen: 1.184 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion: 76 Resp: 3108
Ion Ratio Lower Upper
76 100
78 9.7 6.8 10.2





#20

Methylene Chloride

Concen: 11.461 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY017480.D

Acq: 26 Feb 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-12

Tgt Ion: 84 Resp: 15685

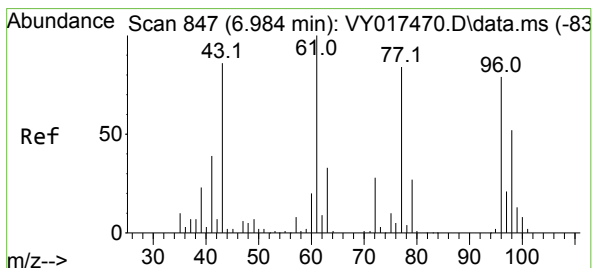
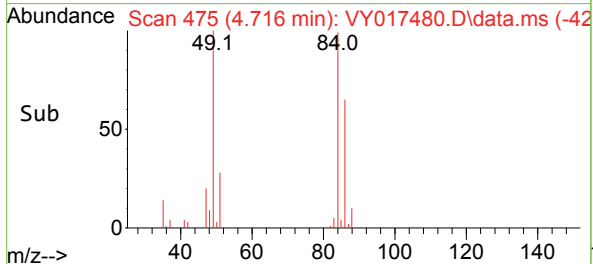
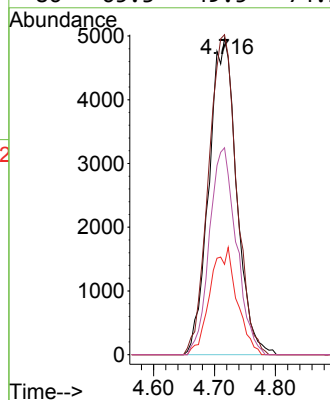
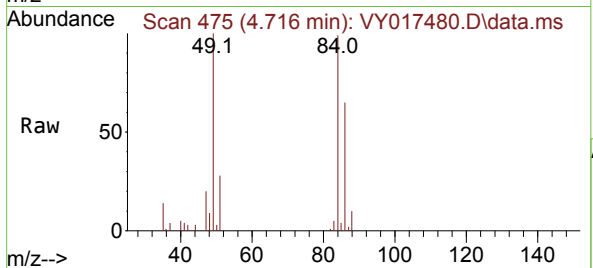
Ion Ratio Lower Upper

84 100

49 101.1 84.4 126.6

51 28.5 26.0 39.0

86 65.3 49.5 74.3



#25

2-Butanone

Concen: 1.336 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY017480.D

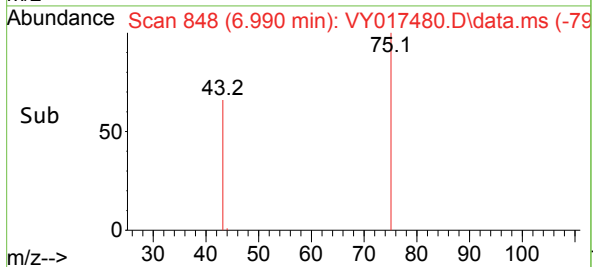
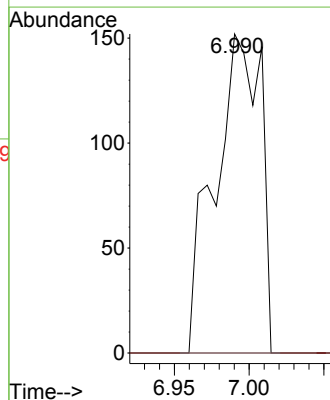
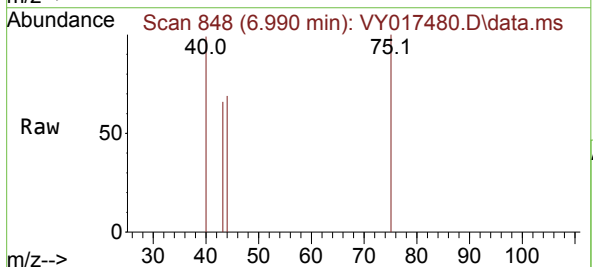
Acq: 26 Feb 2024 14:26

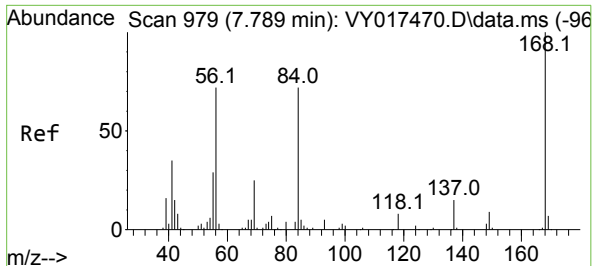
Tgt Ion: 43 Resp: 324

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#

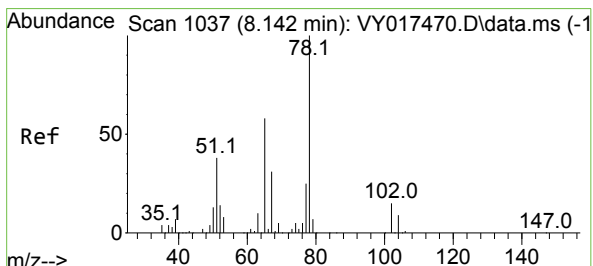
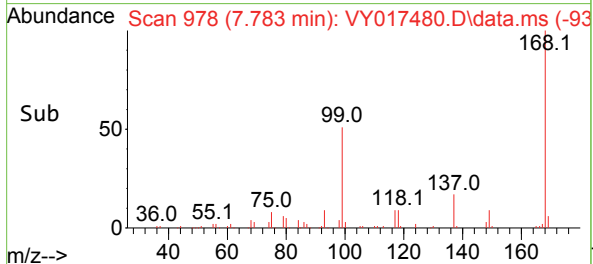
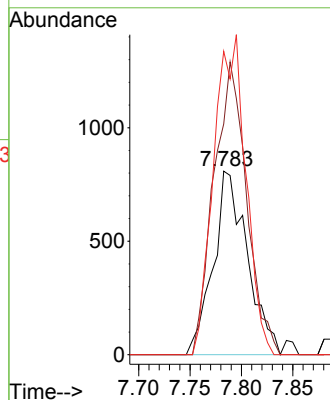
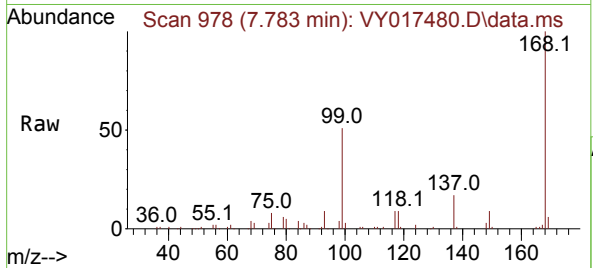




#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

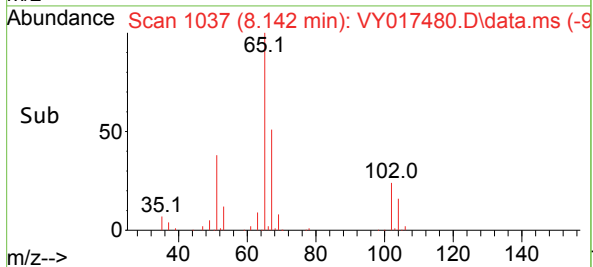
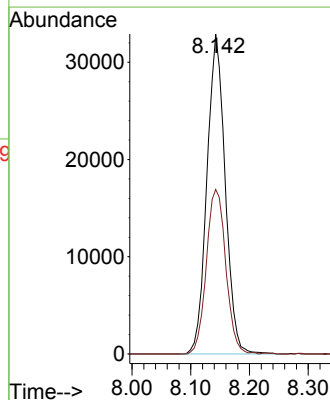
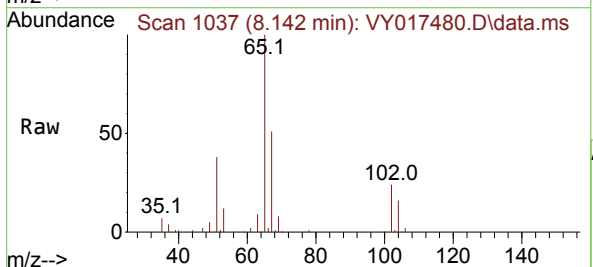
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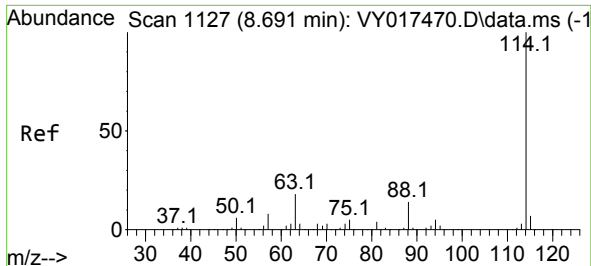
Tgt Ion: 56 Resp: 1862
Ion Ratio Lower Upper
56 100
69 125.7 28.7 43.1#
84 177.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 80.994 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion: 65 Resp: 71081
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6

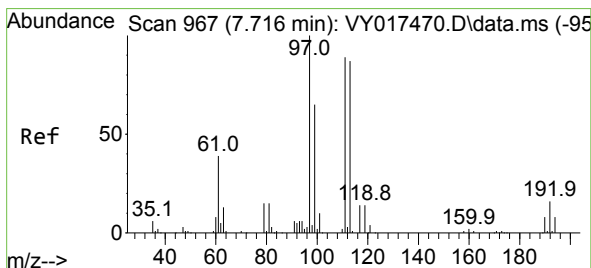
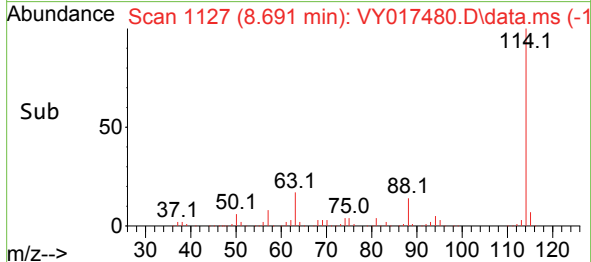
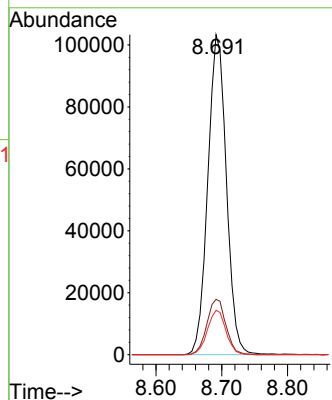
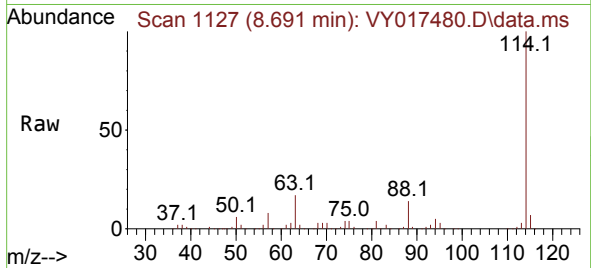




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

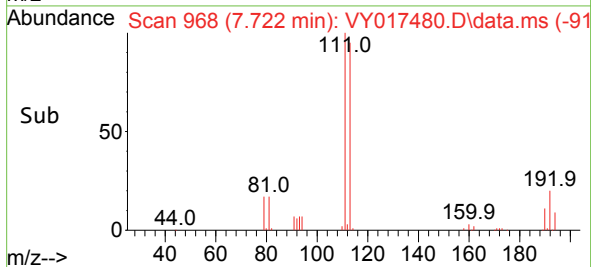
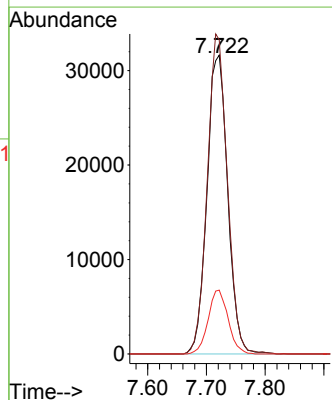
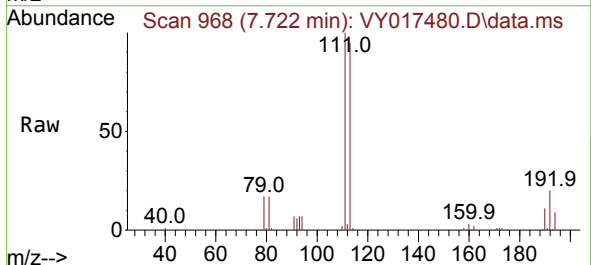
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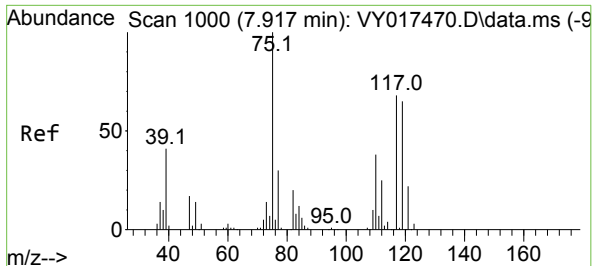
Tgt Ion:114 Resp: 203065
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.0
88 13.8 0.0 27.2



#35
Dibromofluoromethane
Concen: 54.938 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion:113 Resp: 77738
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 20.5 15.9 23.9

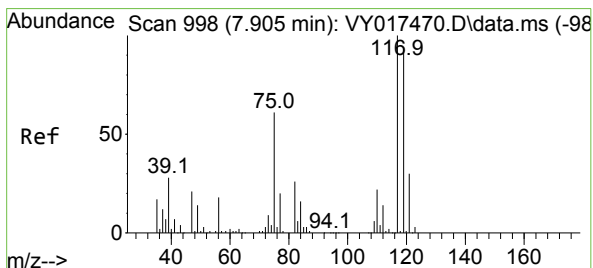
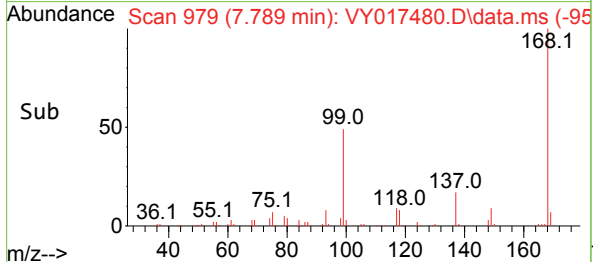
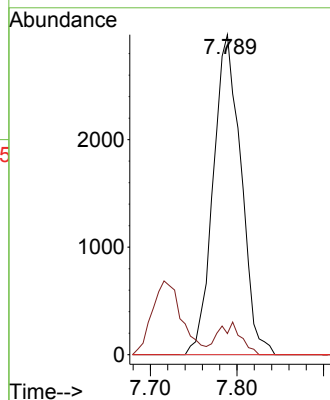
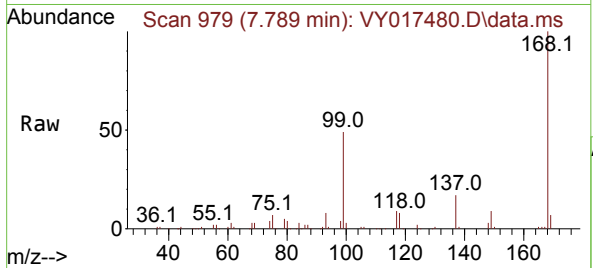




#36
1,1-Dichloropropene
Concen: 3.467 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

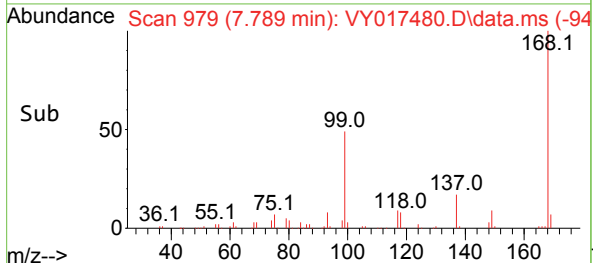
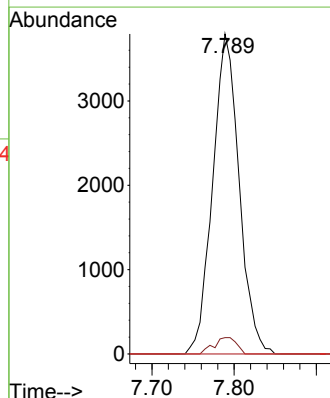
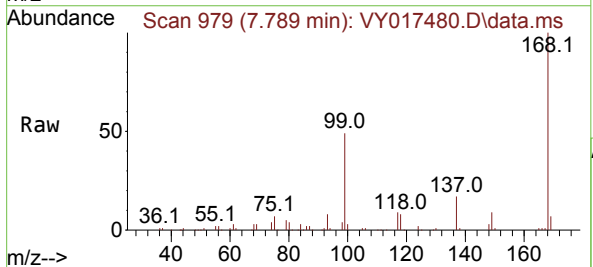
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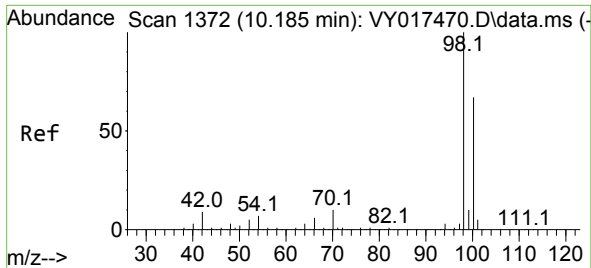
Tgt Ion: 75 Resp: 6619
Ion Ratio Lower Upper
75 100
110 8.4 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.437 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion: 117 Resp: 8489
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.0 36.0#

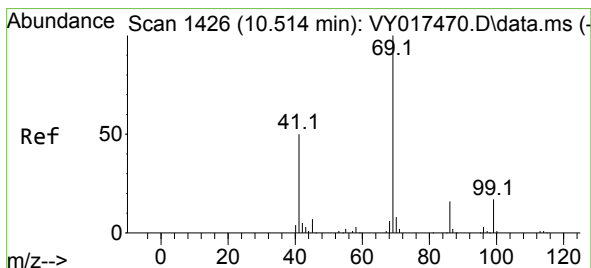
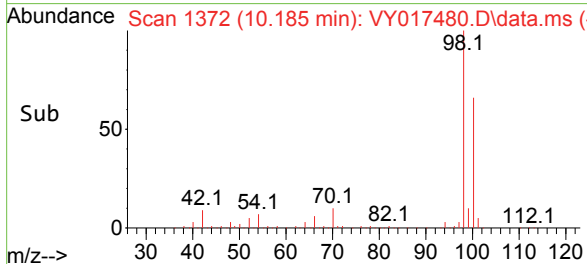
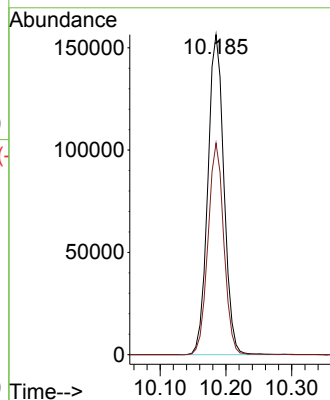
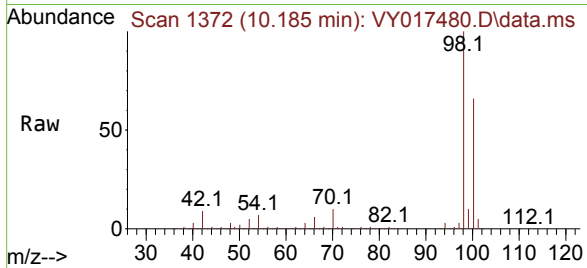




#50
Toluene-d8
Concen: 53.717 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

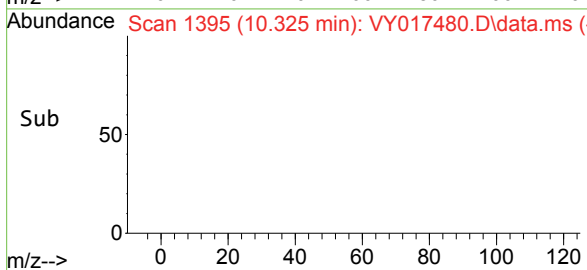
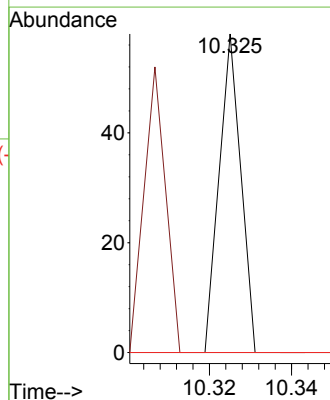
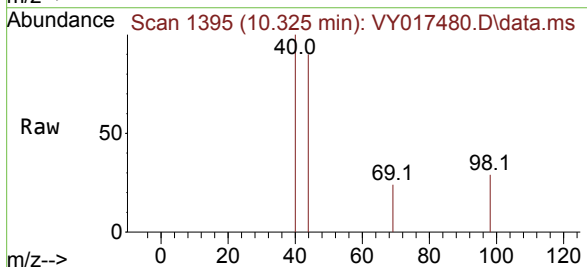
Instrument :
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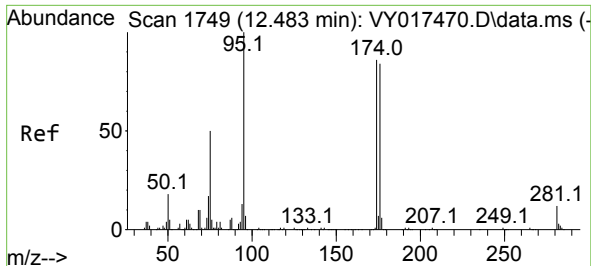
Tgt Ion: 98 Resp: 265761
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#56
Ethyl methacrylate
Concen: 2.552 ug/l
RT: 10.325 min Scan# 1395
Delta R.T. -0.189 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 90.5 42.3 63.5#
39 0.0 22.9 34.3#

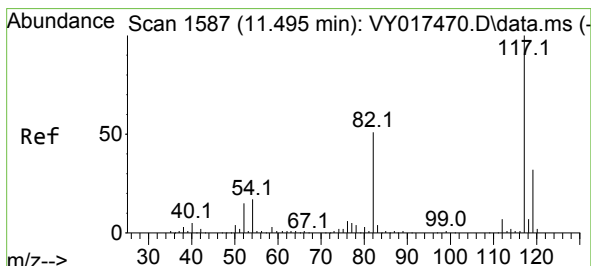
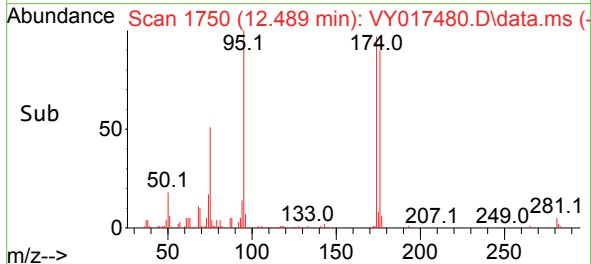
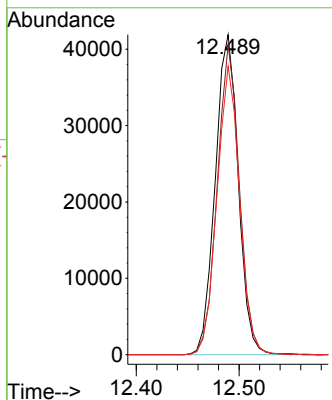
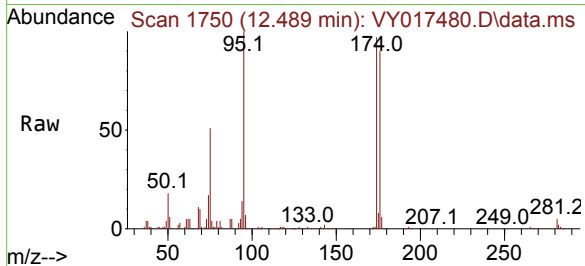




#62
4-Bromofluorobenzene
Concen: 41.941 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

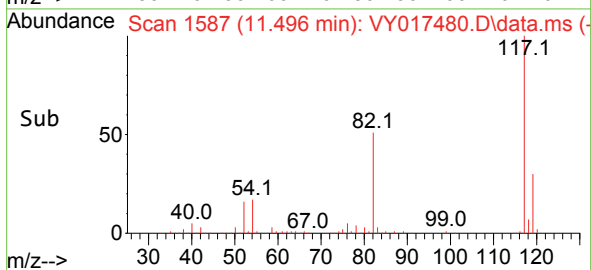
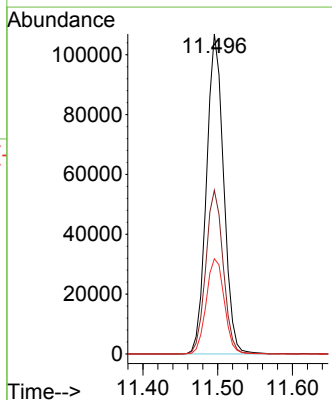
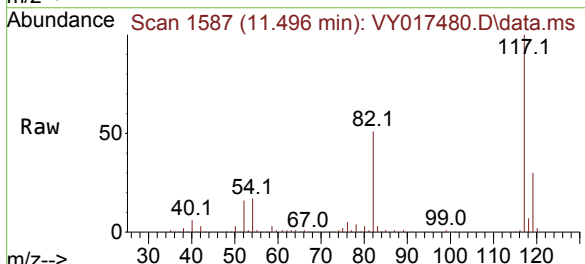
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-12

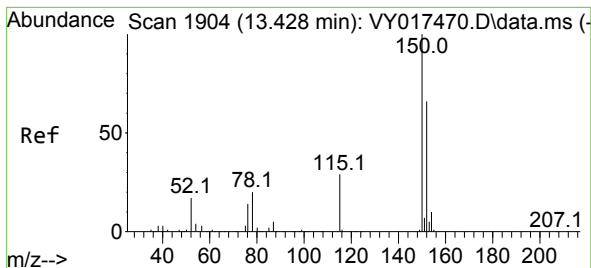
Tgt Ion: 95 Resp: 65212
Ion Ratio Lower Upper
95 100
174 93.3 0.0 175.6
176 88.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion: 117 Resp: 170548
Ion Ratio Lower Upper
117 100
82 51.2 42.4 63.6
119 29.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY017480.D

Acq: 26 Feb 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-12

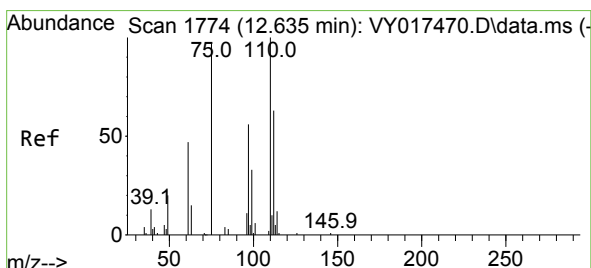
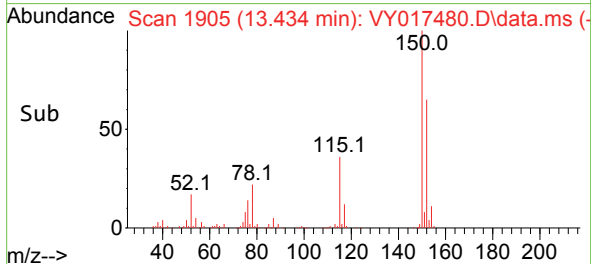
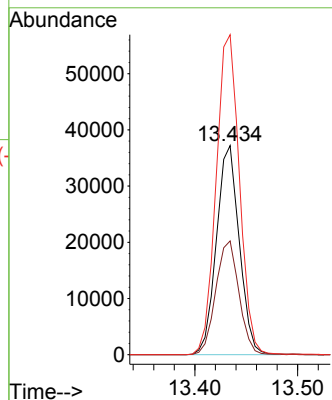
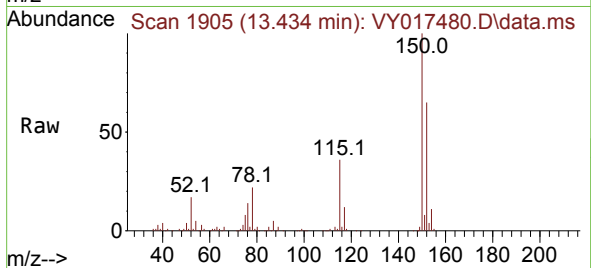
Tgt Ion:152 Resp: 57347

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

150 156.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 60.294 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017480.D

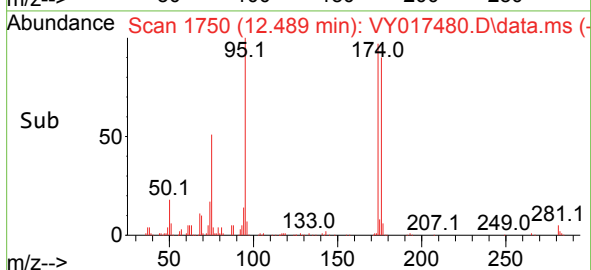
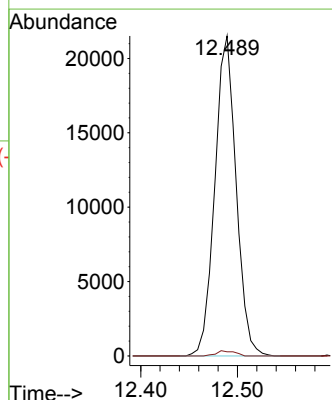
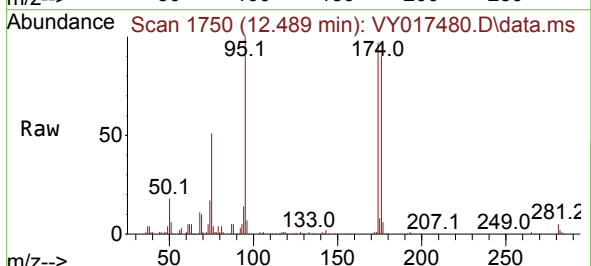
Acq: 26 Feb 2024 14:26

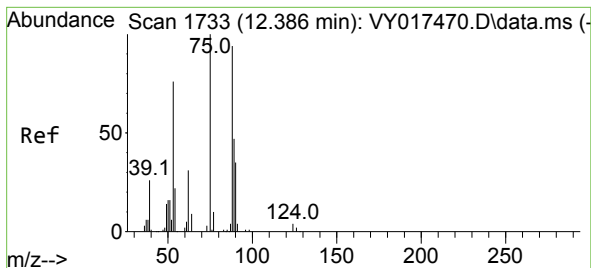
Tgt Ion: 75 Resp: 32853

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

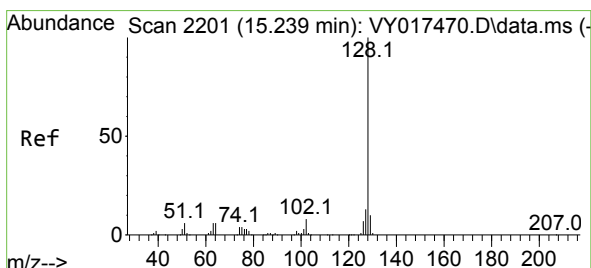
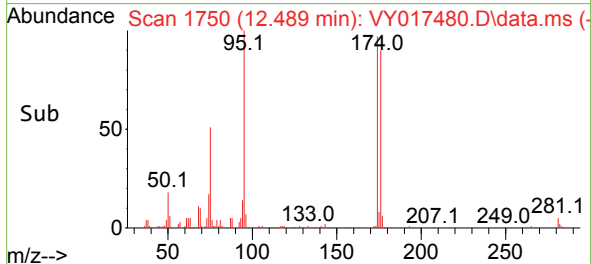
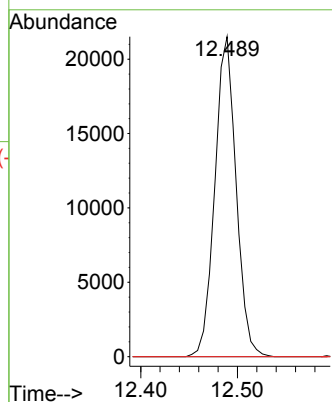
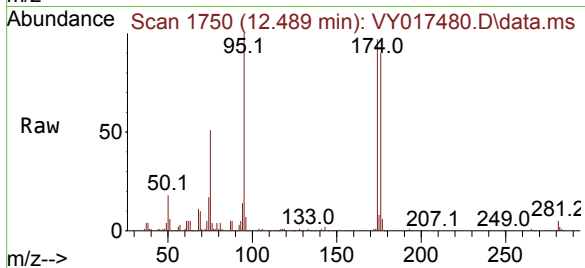




#81
trans-1,4-Dichloro-2-butene
Concen: 138.541 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-12

Tgt Ion: 75 Resp: 32853
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.322 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY017480.D
Acq: 26 Feb 2024 14:26

Tgt Ion:128 Resp: 794
Ion Ratio Lower Upper
128 100
127 3.1 10.6 16.0#
129 2.5 8.6 13.0#

