

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014589.D
 Acq On : 06 Jul 2023 15:30
 Operator : KP/MD
 Sample : 03519-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 KULLER-COMP

Quant Time: Jul 07 06:14:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

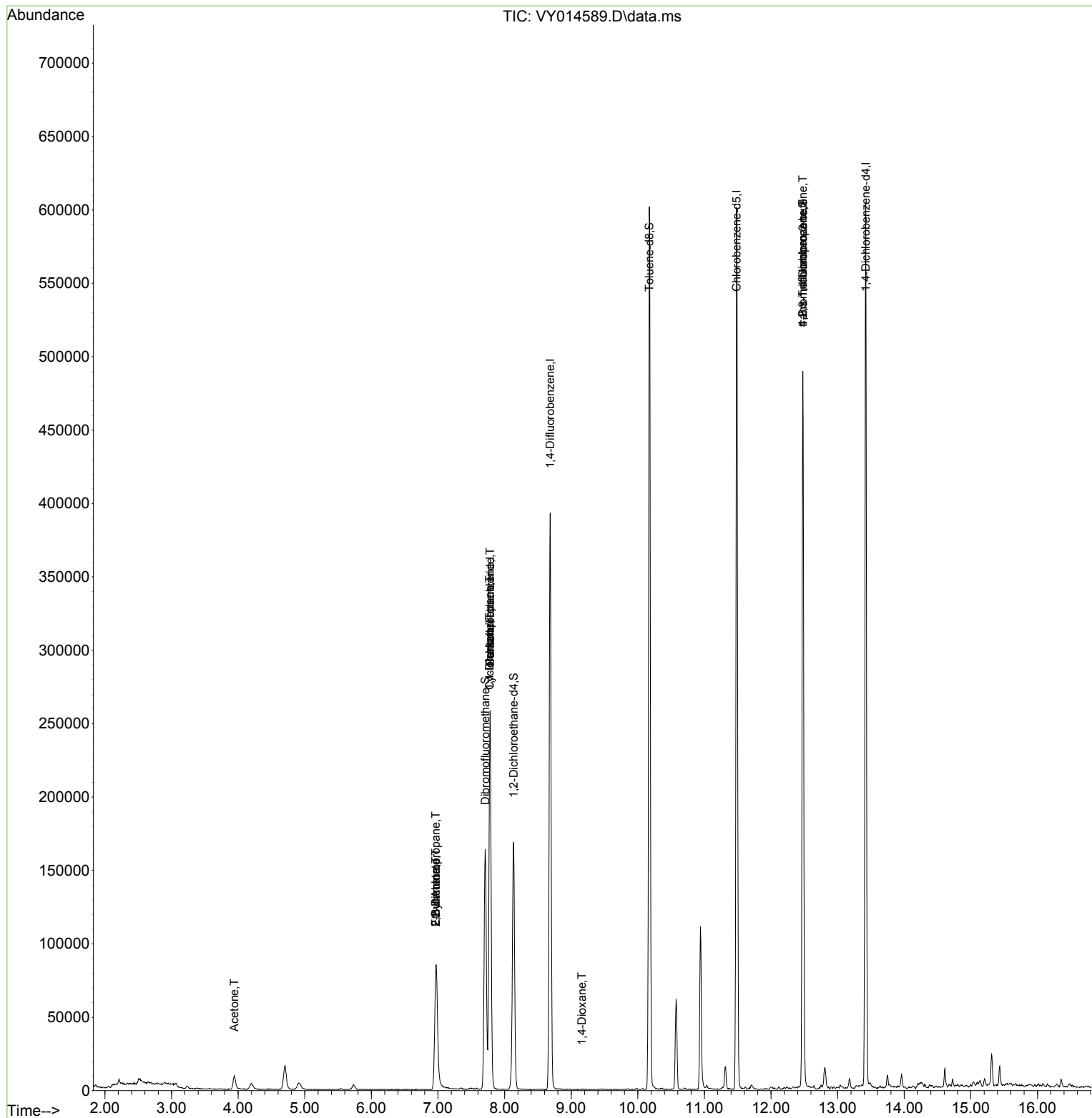
Internal Standards						
1) Pentafluorobenzene	7.783	168	211700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	341501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	340288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133626	63.451	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.900%	
35) Dibromofluoromethane	7.710	113	118067	56.142	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.280%	
50) Toluene-d8	10.173	98	418989	50.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.477	95	139810	48.432	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45	Below Cal	#	43
11) Tert butyl alcohol	4.905	59	5770	Below Cal	#	89
16) Acetone	3.942	43	16248	24.705	ug/l #	88
25) 2-Butanone	6.966	43	4980	5.114	ug/l	91
26) 2,2-Dichloropropane	6.966	77	6692	2.028	ug/l #	54
31) Cyclohexane	7.777	56	4064	1.230	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	15046	4.672	ug/l #	49
37) Ethyl Acetate	6.966	43	4980	2.255	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18893	5.620	ug/l #	17
49) 1,4-Dioxane	9.161	88	40	1.471	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	66916	35.306	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66916	68.721	ug/l #	11

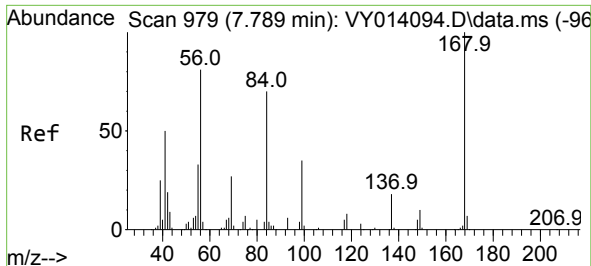
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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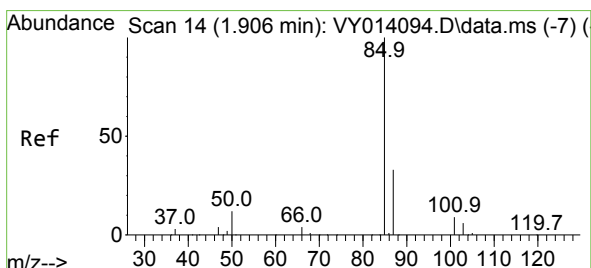
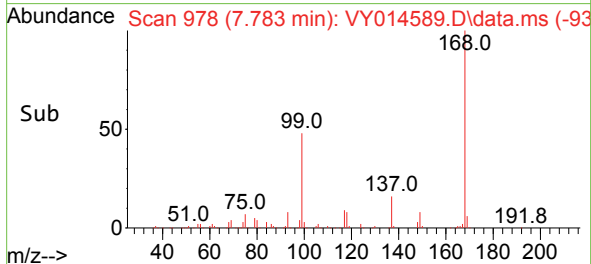
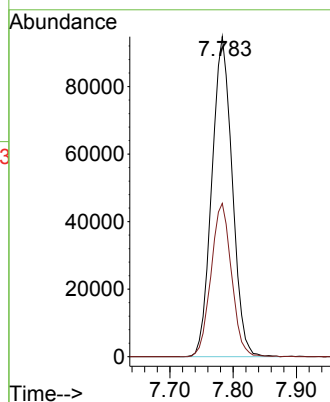
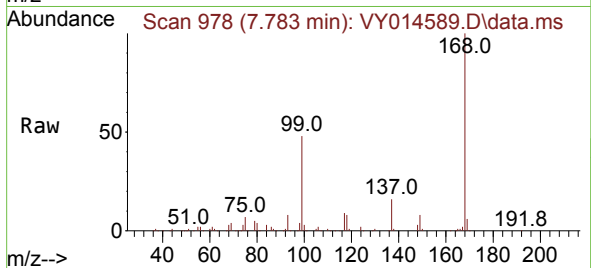




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

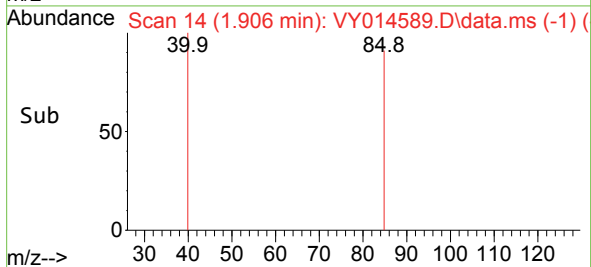
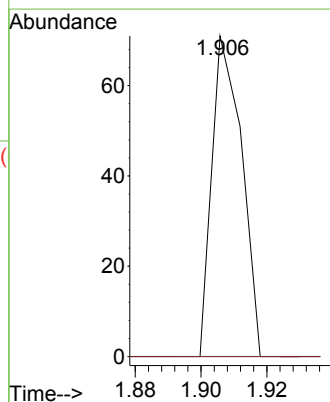
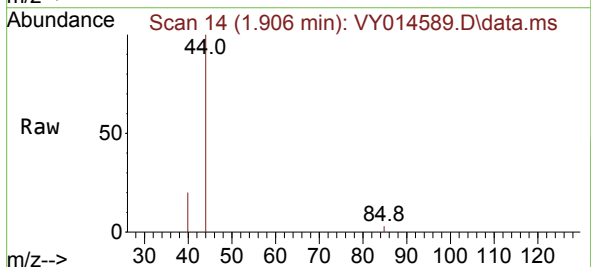
Instrument :
MSVOA_Y
ClientSampleId :
KULLER-COMP

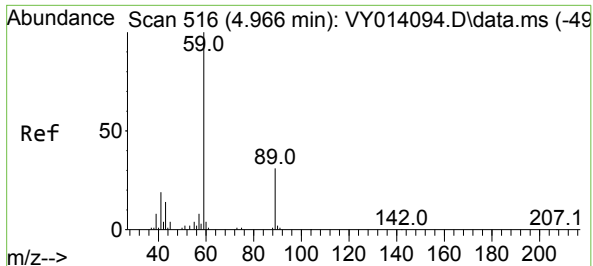
Tgt Ion:168 Resp: 211700
Ion Ratio Lower Upper
168 100
99 47.9 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Tgt Ion: 85 Resp: 45
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.905 min Scan# 50

Delta R.T. -0.061 min

Lab File: VY014589.D

Acq: 06 Jul 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

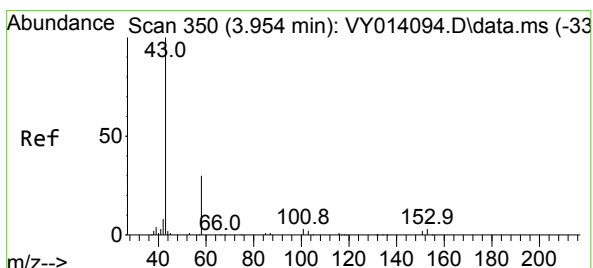
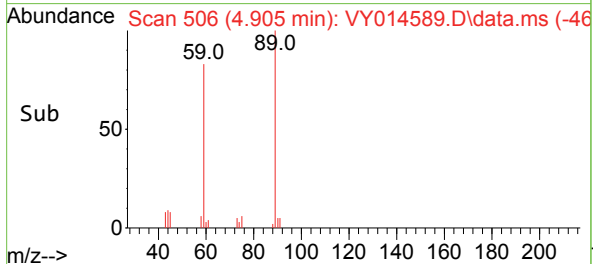
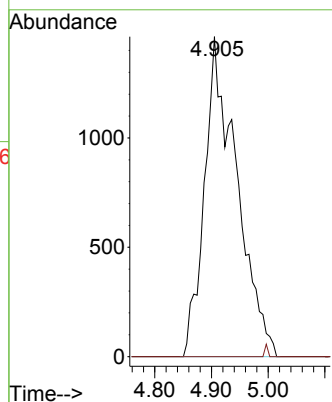
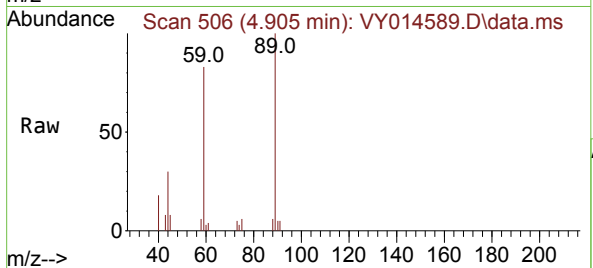
KULLER-COMP

Tgt Ion: 59 Resp: 5770

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 24.705 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.012 min

Lab File: VY014589.D

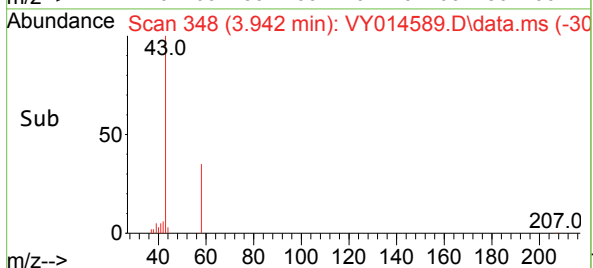
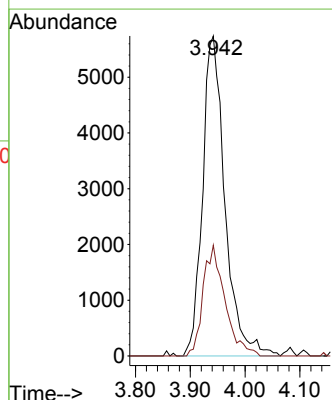
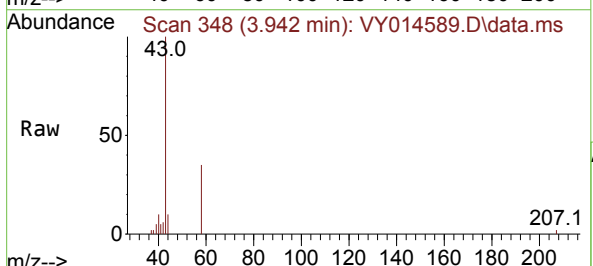
Acq: 06 Jul 2023 15:30

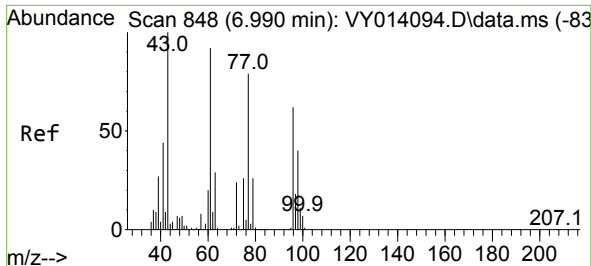
Tgt Ion: 43 Resp: 16248

Ion Ratio Lower Upper

43 100

58 34.6 22.7 34.1#





#25

2-Butanone

Concen: 5.114 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.024 min

Lab File: VY014589.D

Acq: 06 Jul 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

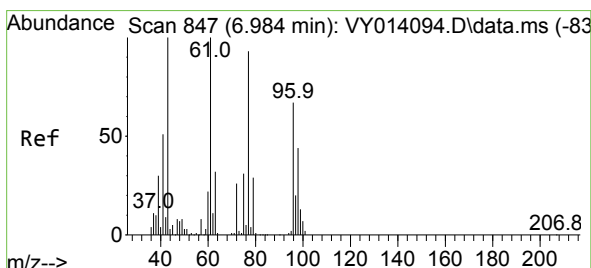
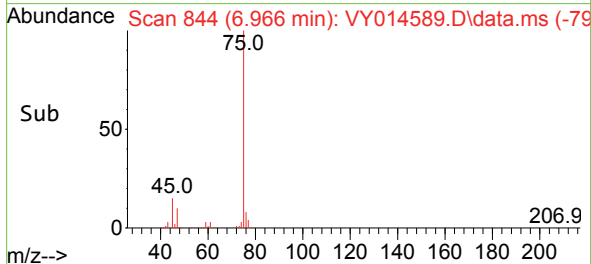
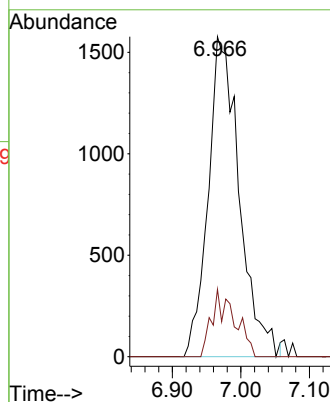
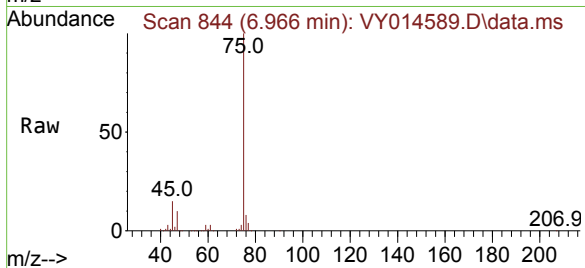
KULLER-COMP

Tgt Ion: 43 Resp: 4980

Ion Ratio Lower Upper

43 100

72 21.1 20.5 30.7



#26

2,2-Dichloropropane

Concen: 2.028 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY014589.D

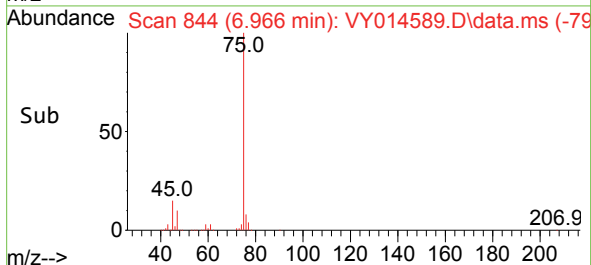
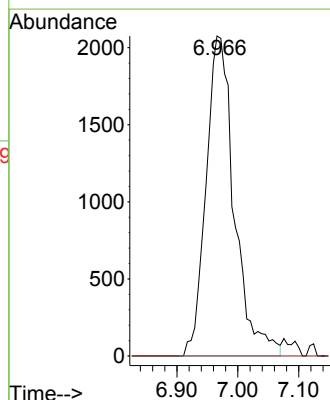
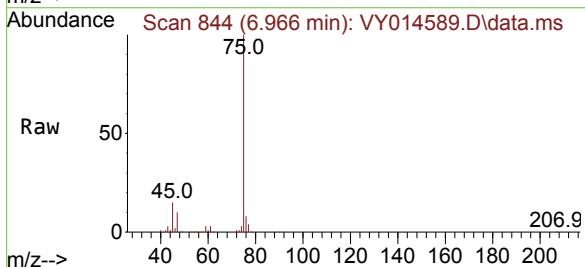
Acq: 06 Jul 2023 15:30

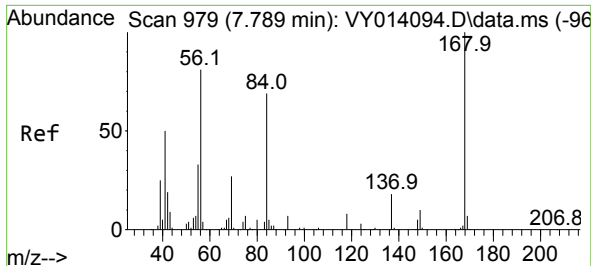
Tgt Ion: 77 Resp: 6692

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

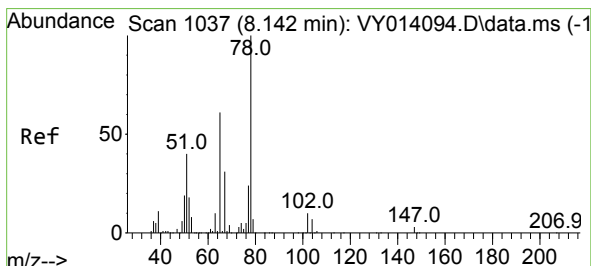
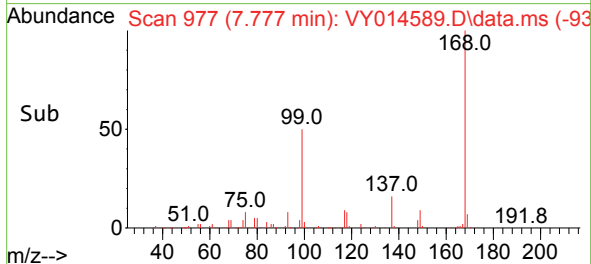
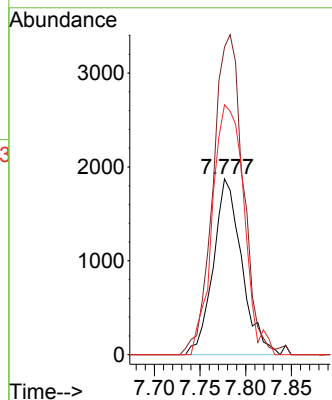
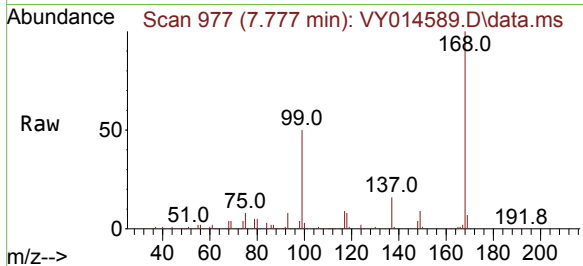




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

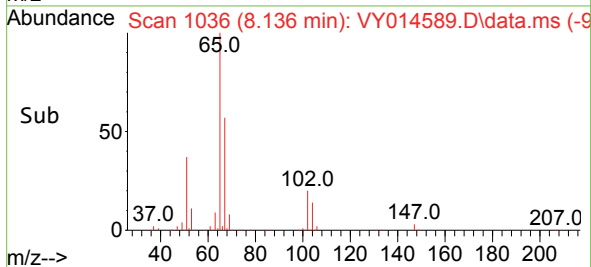
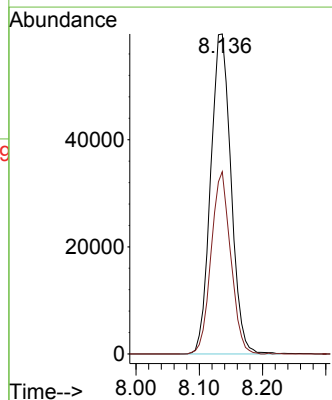
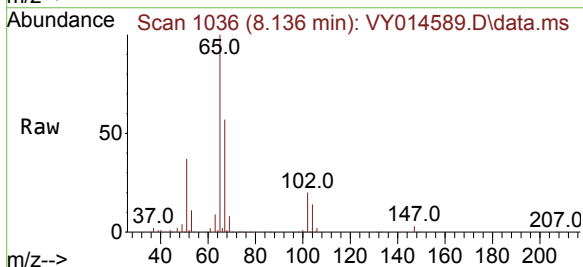
Instrument :
MSVOA_Y
ClientSampleId :
KULLER-COMP

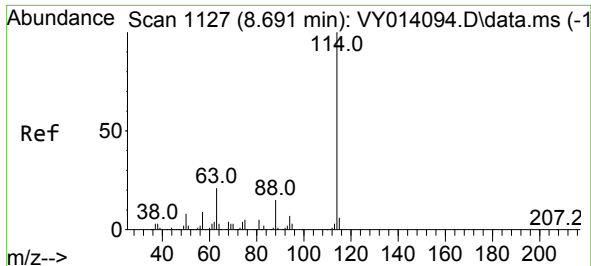
Tgt Ion: 56 Resp: 4064
Ion Ratio Lower Upper
56 100
69 174.9 27.8 41.6#
84 142.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 63.451 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Tgt Ion: 65 Resp: 133626
Ion Ratio Lower Upper
65 100
67 54.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014589.D

Acq: 06 Jul 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

KULLER-COMP

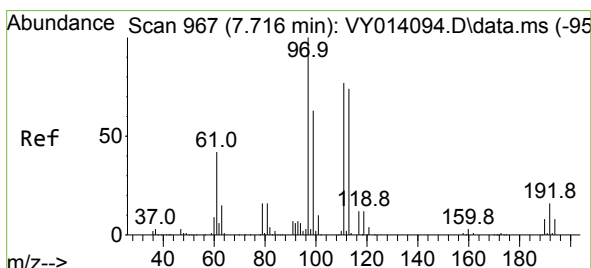
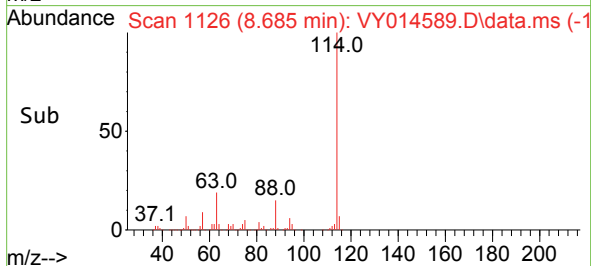
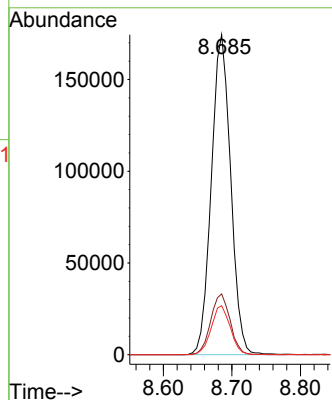
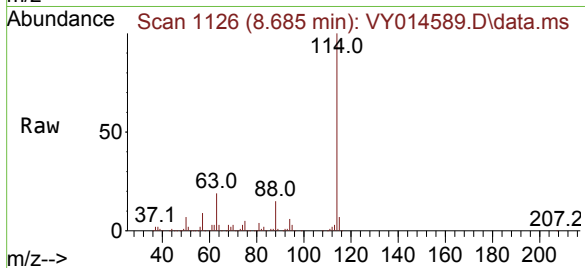
Tgt Ion:114 Resp: 341501

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.142 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014589.D

Acq: 06 Jul 2023 15:30

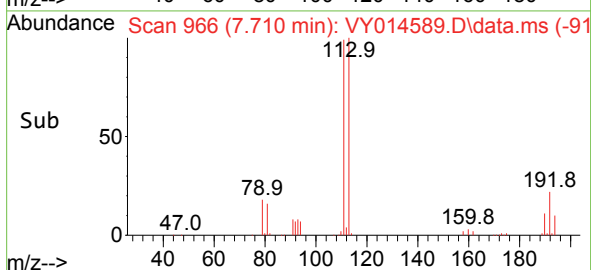
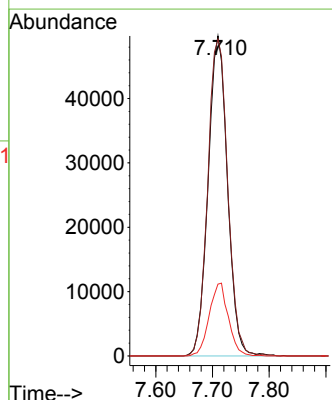
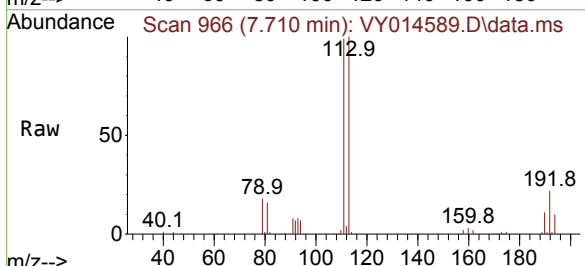
Tgt Ion:113 Resp: 118067

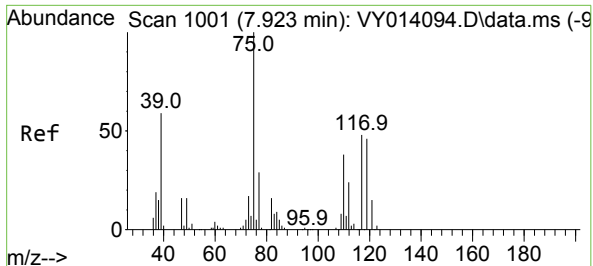
Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 22.5 16.9 25.3

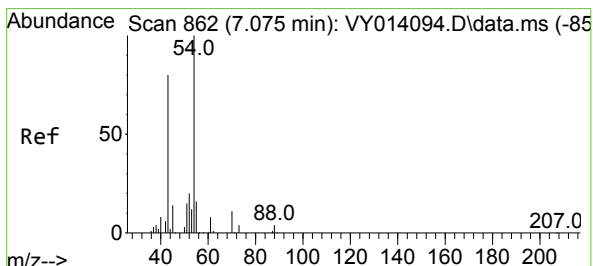
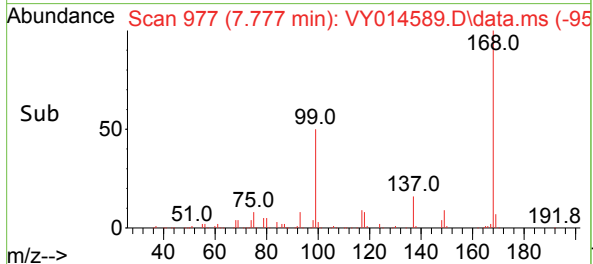
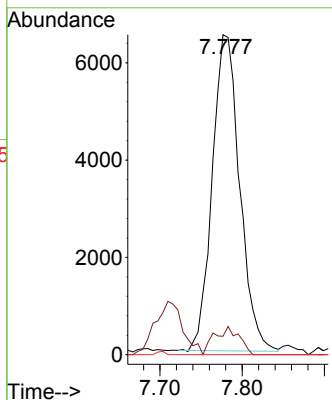
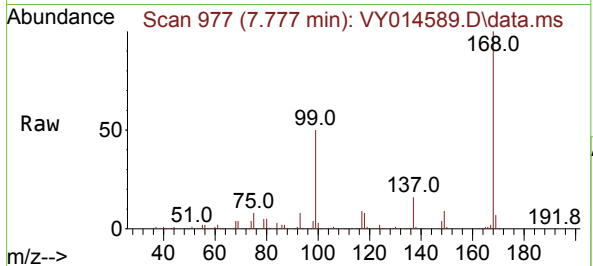




#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

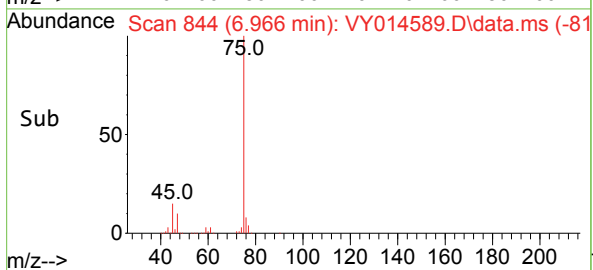
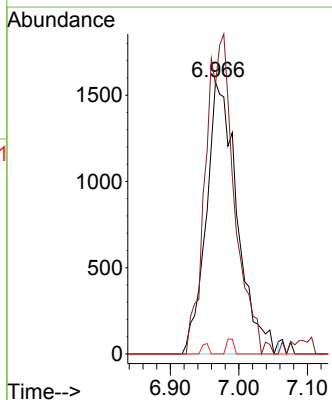
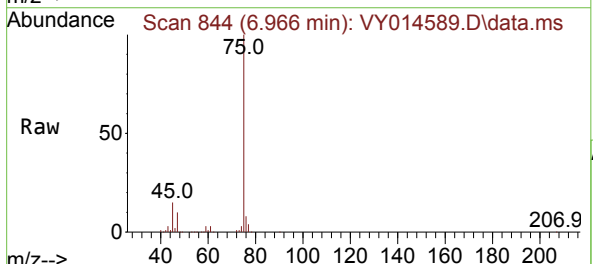
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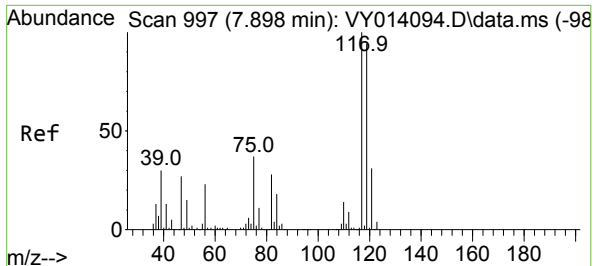
Tgt Ion: 75 Resp: 15046
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.255 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.109 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Tgt Ion: 43 Resp: 4980
Ion Ratio Lower Upper
43 100
61 109.2 10.1 15.1#
70 1.3 7.1 10.7#

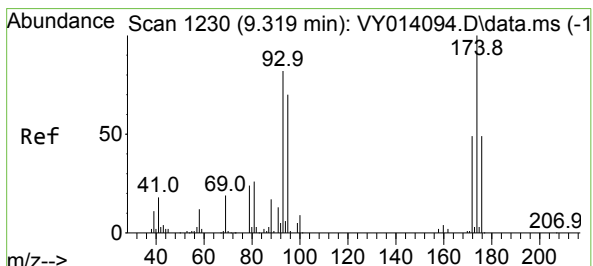
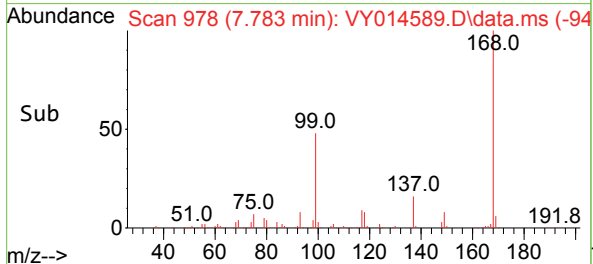
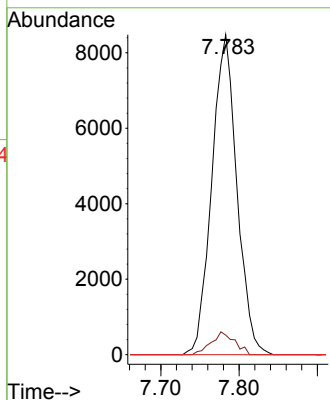
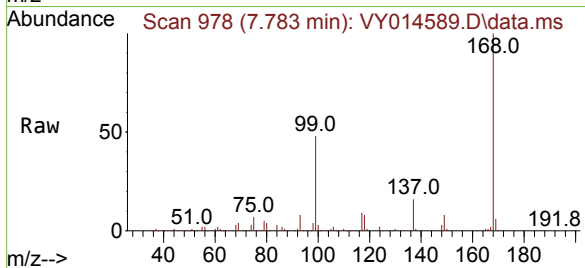




#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

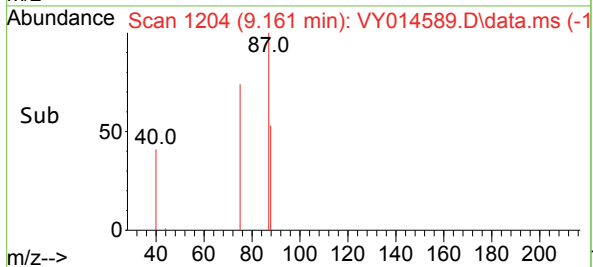
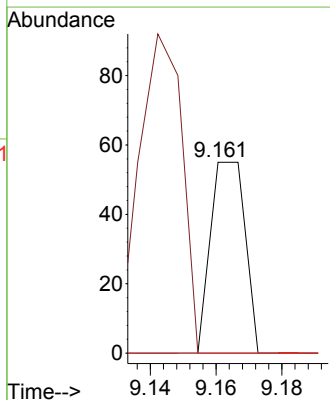
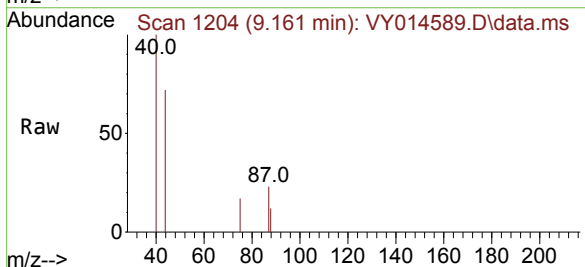
Instrument :
MSVOA_Y
ClientSampleId :
KULLER-COMP

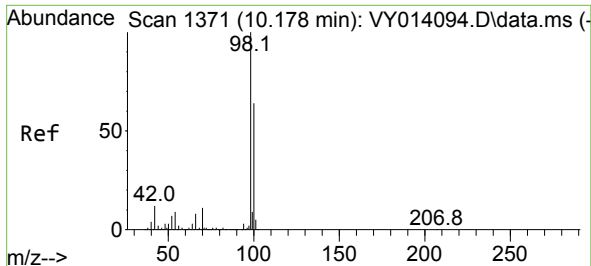
Tgt Ion:117 Resp: 18893
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.471 ug/l
RT: 9.161 min Scan# 1204
Delta R.T. -0.158 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 207.5 0.0 0.0#
58 0.0 30.9 46.3#

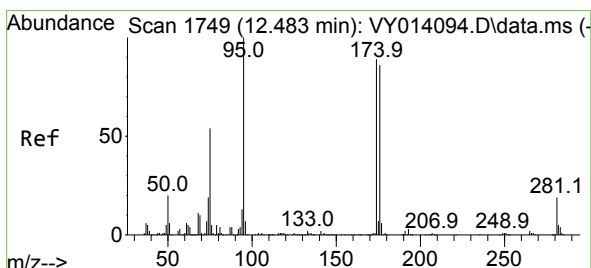
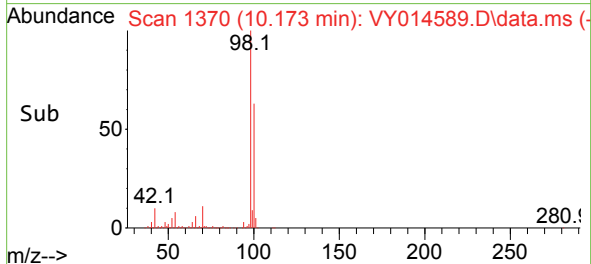
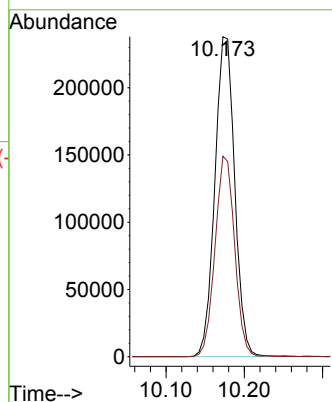
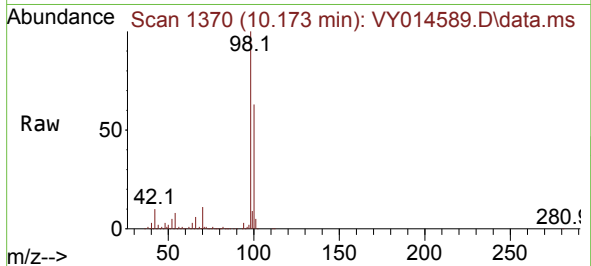




#50
Toluene-d8
Concen: 50.400 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.005 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

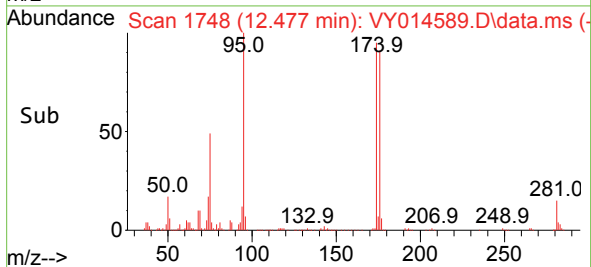
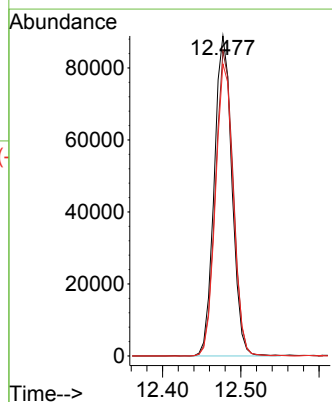
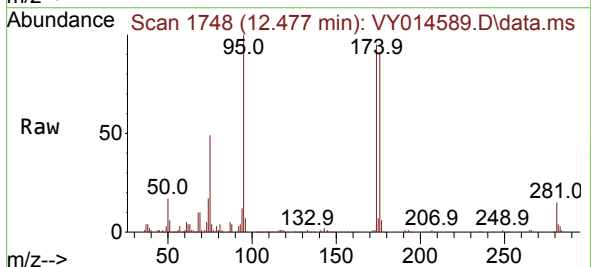
Instrument :
MSVOA_Y
ClientSampleId :
KULLER-COMP

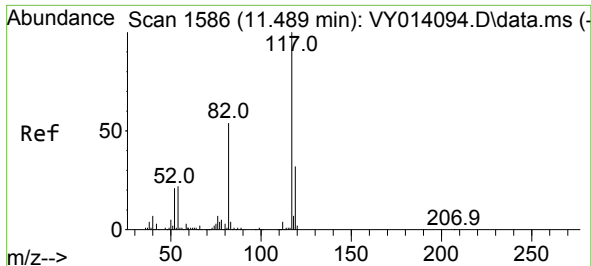
Tgt Ion: 98 Resp: 418989
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.432 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Tgt Ion: 95 Resp: 139810
Ion Ratio Lower Upper
95 100
174 95.8 0.0 178.2
176 91.9 0.0 173.8

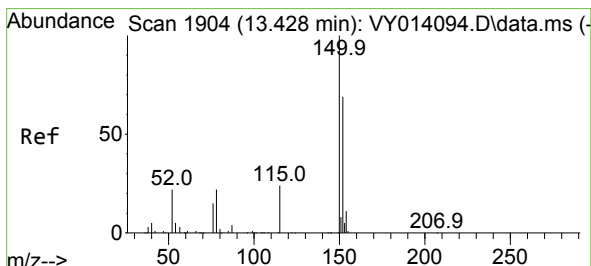
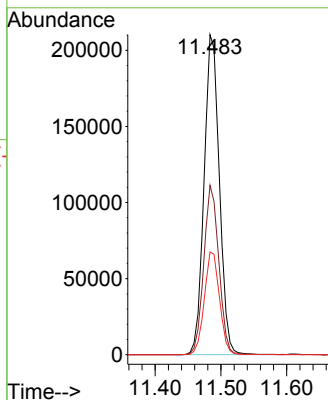
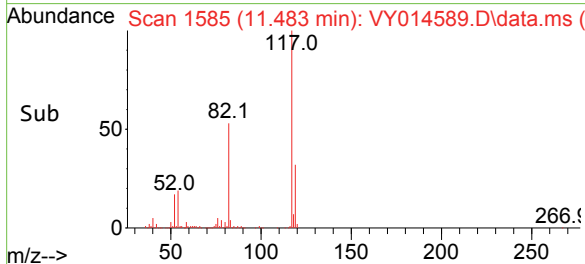
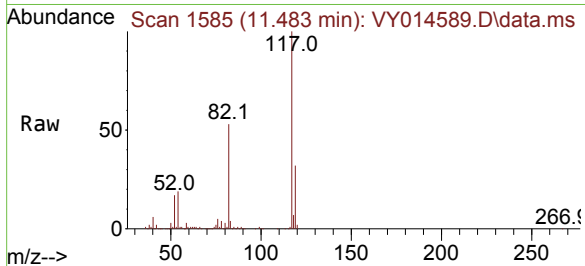




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

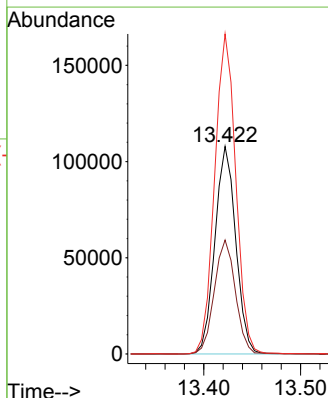
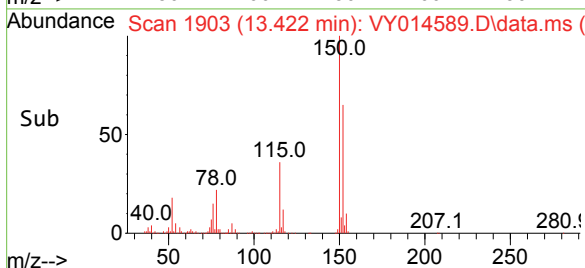
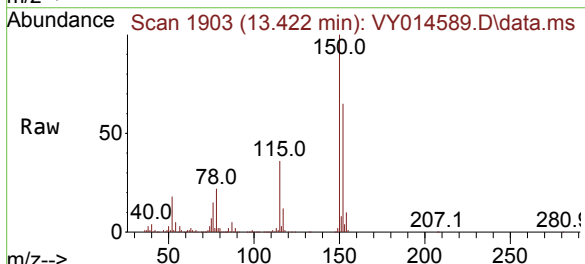
Instrument :
MSVOA_Y
ClientSampleId :
KULLER-COMP

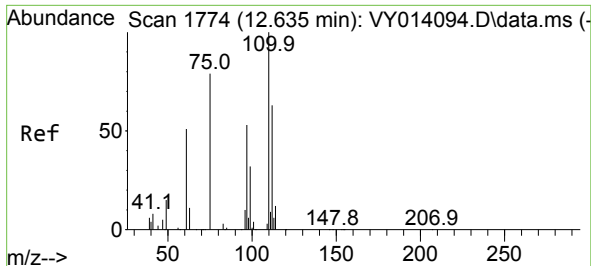
Tgt Ion:117 Resp: 340288
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Tgt Ion:152 Resp: 161513
Ion Ratio Lower Upper
152 100
115 55.6 28.8 86.5
150 156.1 0.0 348.8

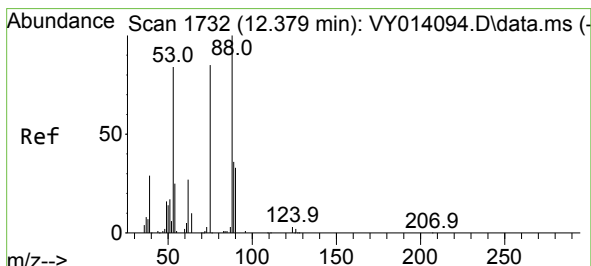
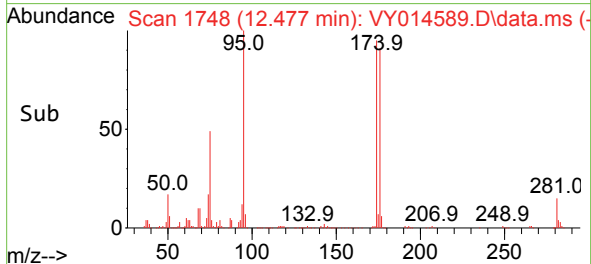
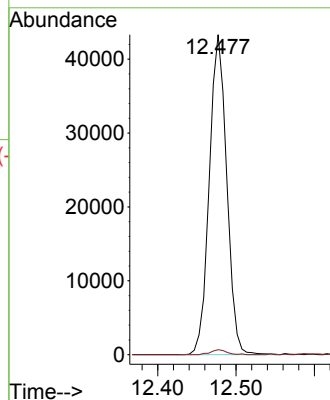
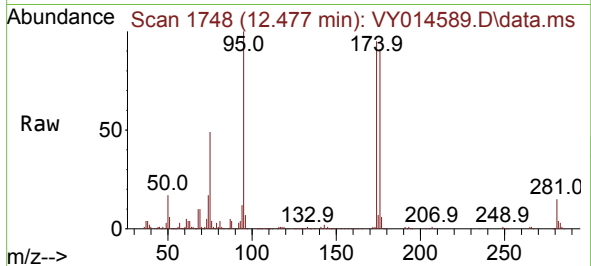




#76
1,2,3-Trichloropropane
Concen: 35.306 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Instrument :
MSVOA_Y
ClientSampleId :
KULLER-COMP

Tgt Ion: 75 Resp: 66916
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.721 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014589.D
Acq: 06 Jul 2023 15:30

Tgt Ion: 75 Resp: 66916
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.3 37.4 56.0#

