

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021023\
 Data File : VY012571.D
 Acq On : 10 Feb 2023 10:47
 Operator : KP/MD
 Sample : VY0210SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 10 12:25:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

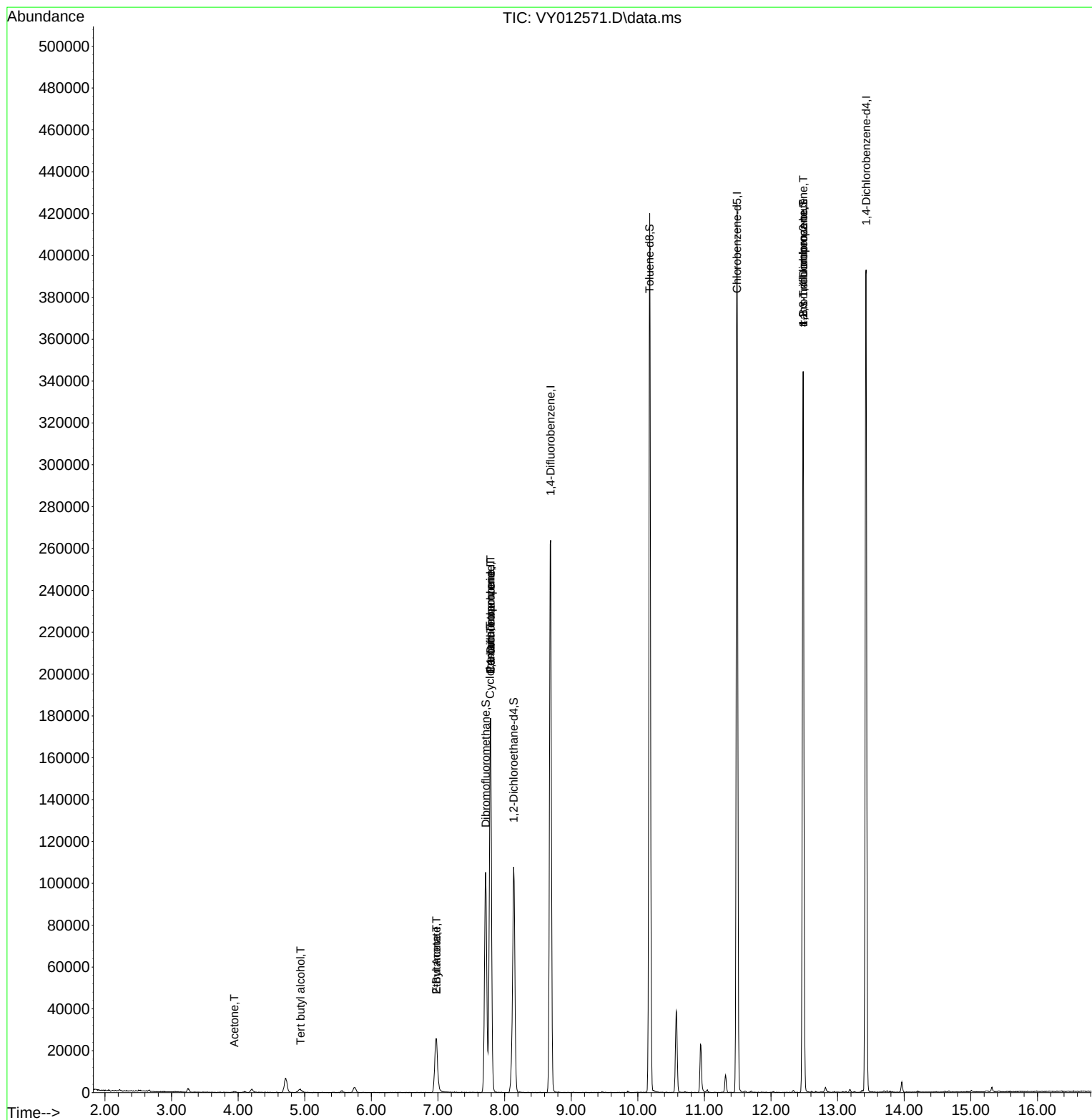
Internal Standards						
1) Pentafluorobenzene	7.789	168	144916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	237722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85472	46.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.760%
35) Dibromofluoromethane	7.716	113	71429	40.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.520%
50) Toluene-d8	10.179	98	280225	38.415	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.820%
62) 4-Bromofluorobenzene	12.483	95	95204	37.417	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	78	Below Cal	#	41
5) Bromomethane	2.662	94	206	Below Cal		85
11) Tert butyl alcohol	4.936	59	1797	1.077	ug/l #	75
16) Acetone	3.942	43	749	1.689	ug/l #	86
20) Methylene Chloride	4.716	84	5942	Below Cal		94
25) 2-Butanone	6.978	43	1245	2.530	ug/l #	68
31) Cyclohexane	7.783	56	2521	1.183	ug/l #	41
36) 1,1-Dichloropropene	7.789	75	9546	4.025	ug/l #	49
37) Ethyl Acetate	6.978	43	1245	1.163	ug/l #	1
38) Carbon Tetrachloride	7.789	117	13941	4.378	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	50430	39.991	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50430	90.182	ug/l #	12

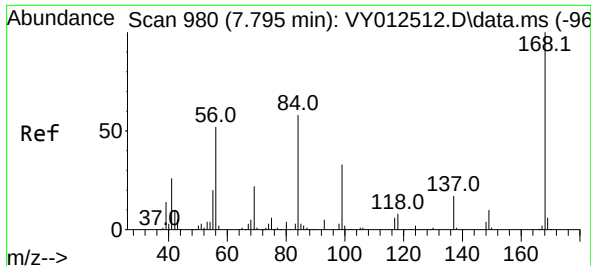
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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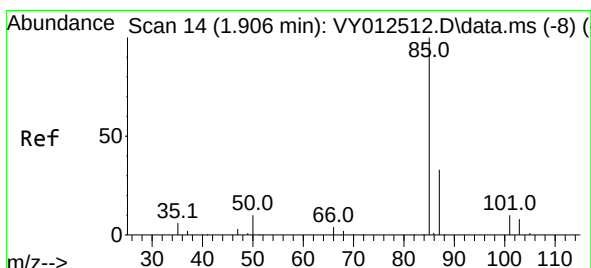
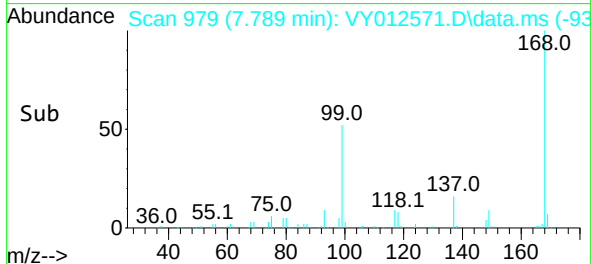
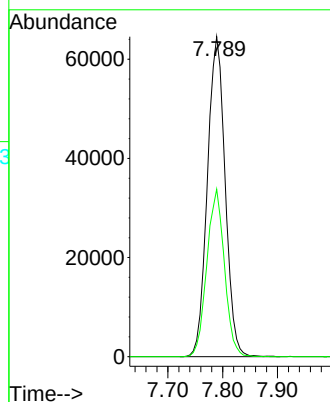
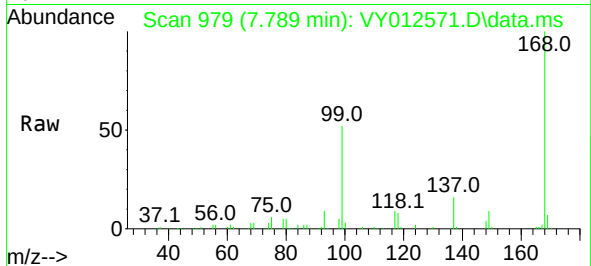




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

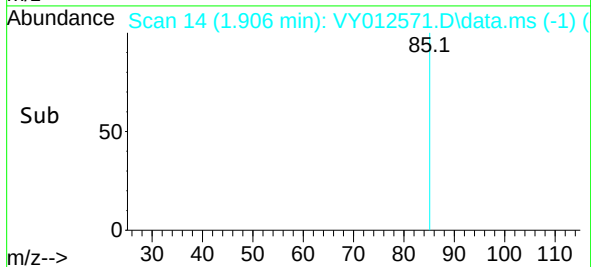
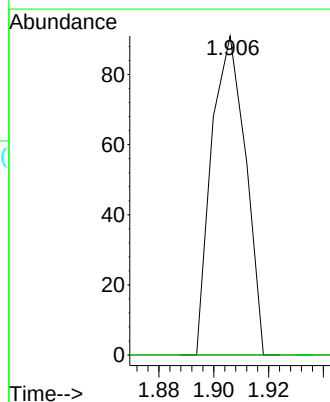
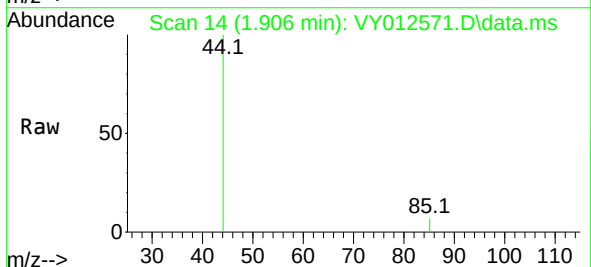
Instrument :
MSVOA_Y
ClientSampleId :

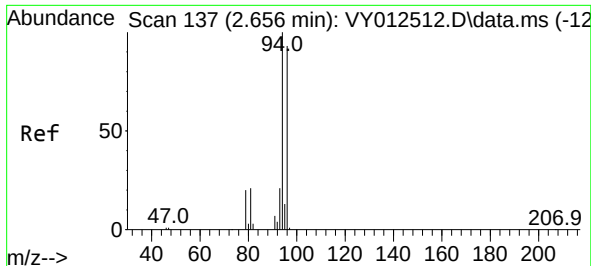
Tgt Ion:168 Resp: 144916
Ion Ratio Lower Upper
168 100
99 52.4 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

Tgt Ion: 85 Resp: 78
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

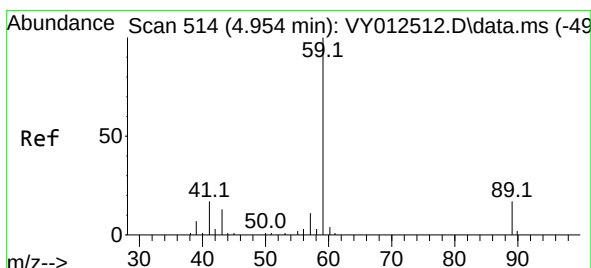
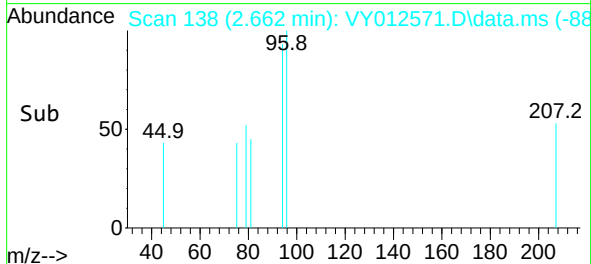
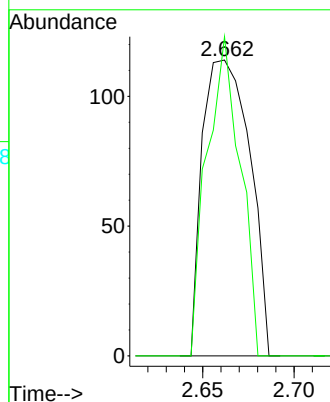
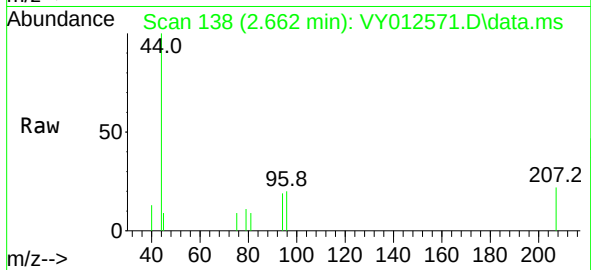




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

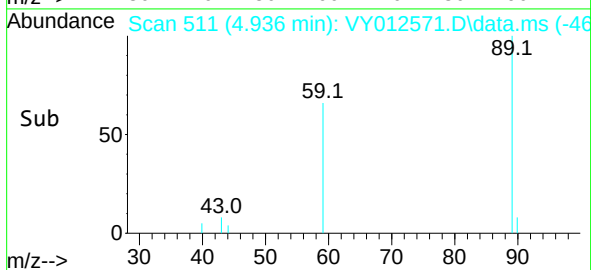
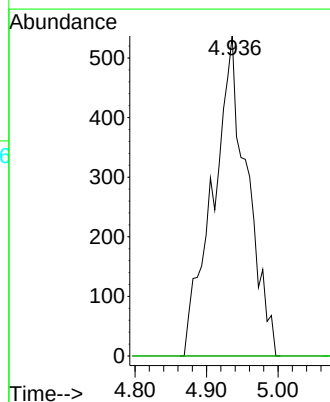
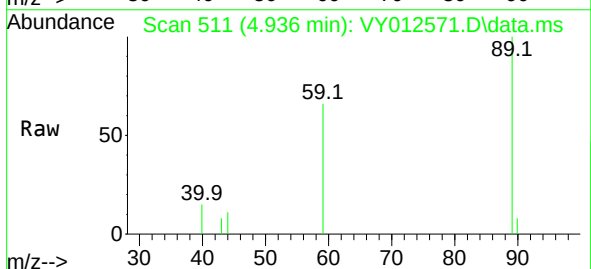
Instrument :
MSVOA_Y
ClientSampleId :

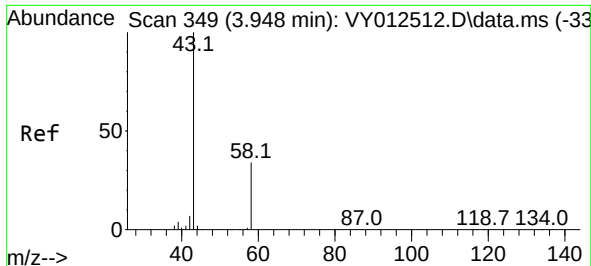
Tgt Ion: 94 Resp: 206
Ion Ratio Lower Upper
94 100
96 107.9 74.7 112.1



#11
Tert butyl alcohol
Concen: 1.077 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

Tgt Ion: 59 Resp: 1797
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 1.689 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY012571.D

Acq: 10 Feb 2023 10:47

Instrument :

MSVOA_Y

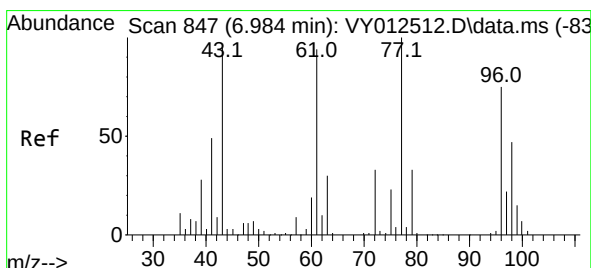
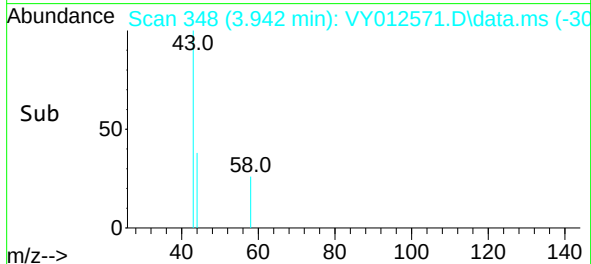
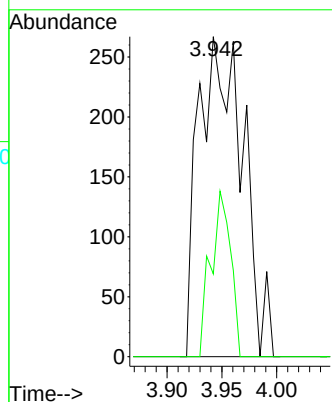
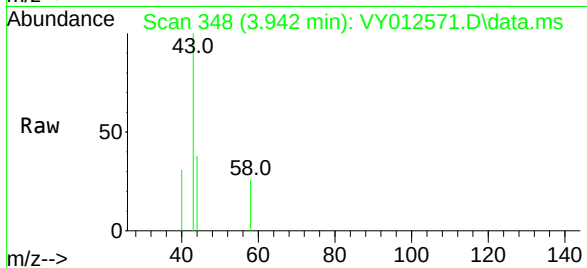
ClientSampleId :

Tgt Ion: 43 Resp: 749

Ion Ratio Lower Upper

43 100

58 25.8 27.1 40.7#



#25

2-Butanone

Concen: 2.530 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012571.D

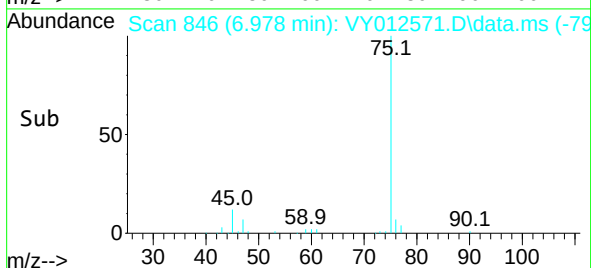
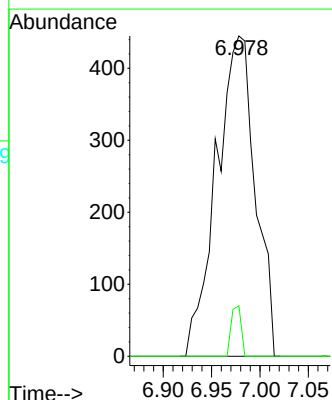
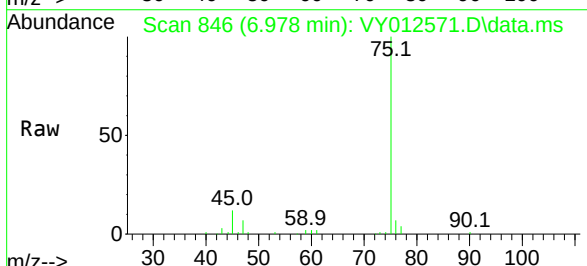
Acq: 10 Feb 2023 10:47

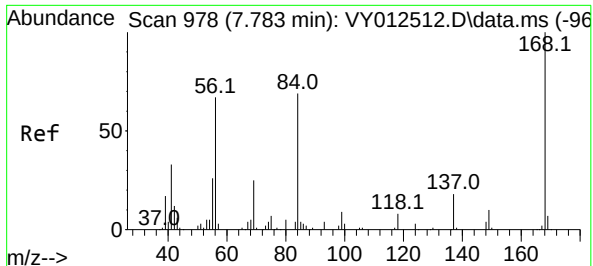
Tgt Ion: 43 Resp: 1245

Ion Ratio Lower Upper

43 100

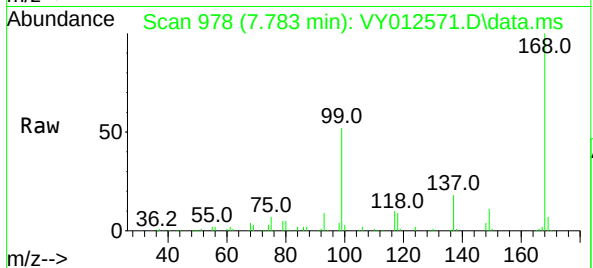
72 15.7 27.4 41.2#



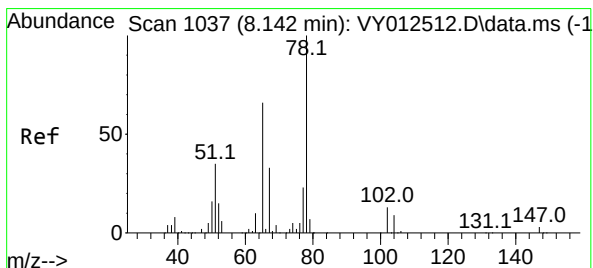
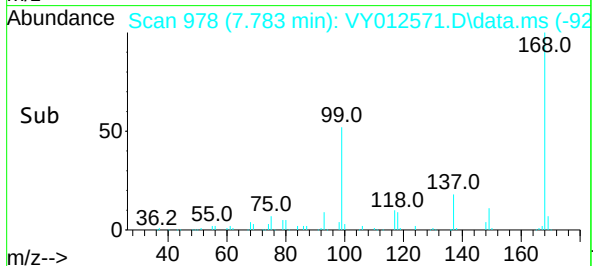
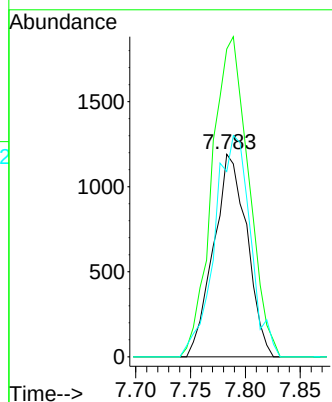


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

Instrument :
MSVOA_Y
ClientSampleId :

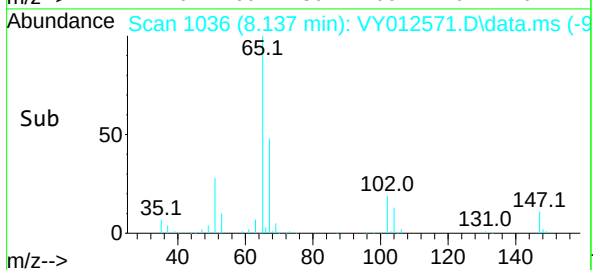
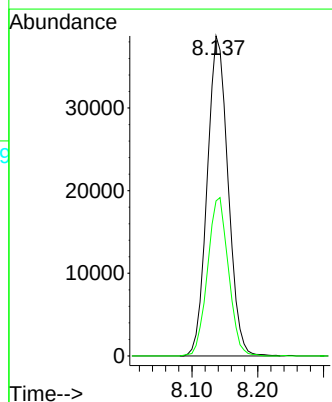
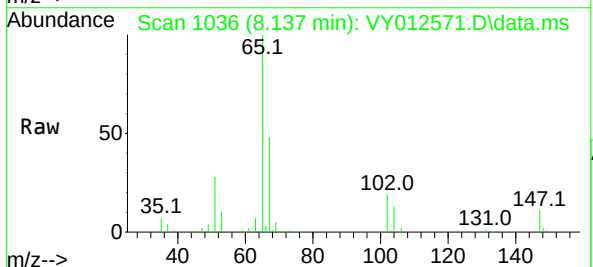


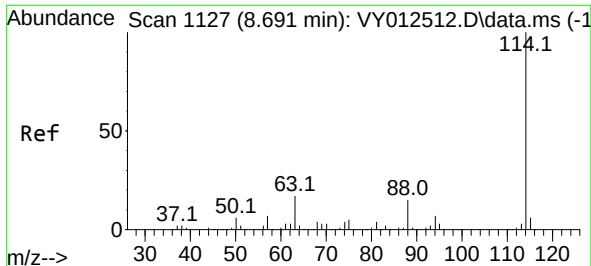
Tgt Ion: 56 Resp: 2521
Ion Ratio Lower Upper
56 100
69 152.0 29.5 44.3#
84 91.4 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 46.382 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

Tgt Ion: 65 Resp: 85472
Ion Ratio Lower Upper
65 100
67 49.6 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012571.D

Acq: 10 Feb 2023 10:47

Instrument :

MSVOA_Y

ClientSampleId :

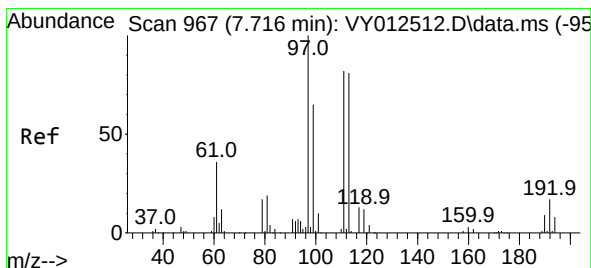
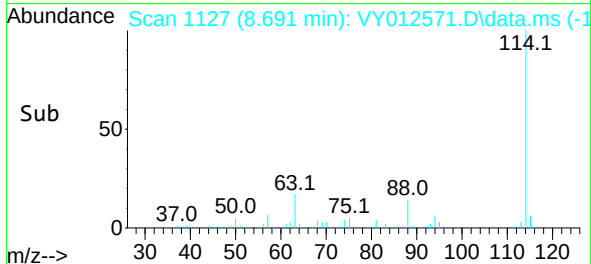
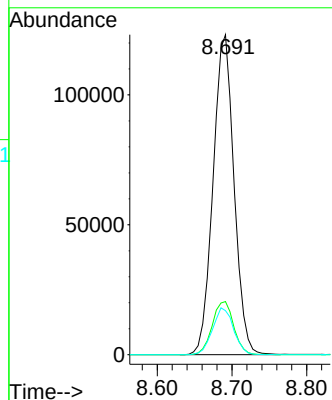
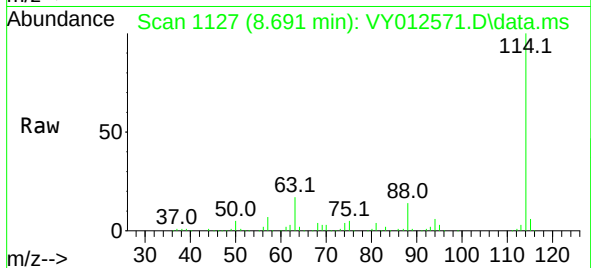
Tgt Ion:114 Resp: 240651

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.6

88 13.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.757 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012571.D

Acq: 10 Feb 2023 10:47

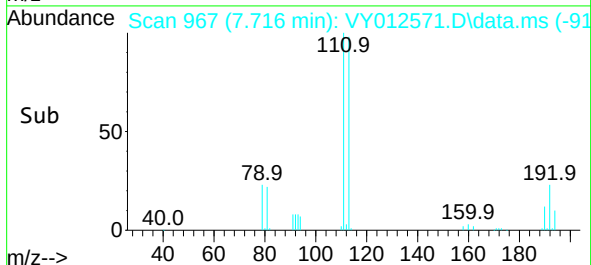
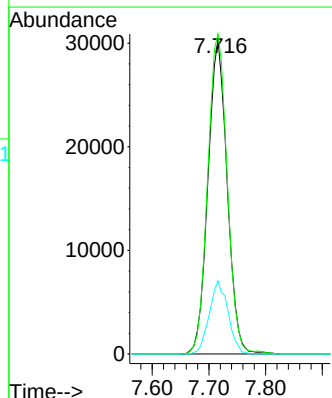
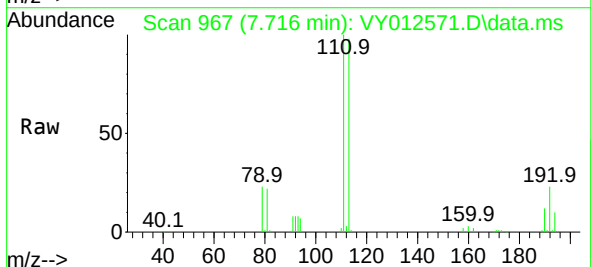
Tgt Ion:113 Resp: 71429

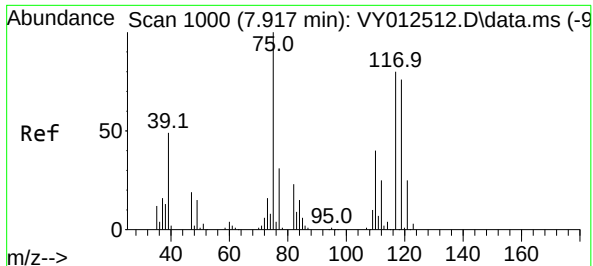
Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

192 22.7 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.025 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

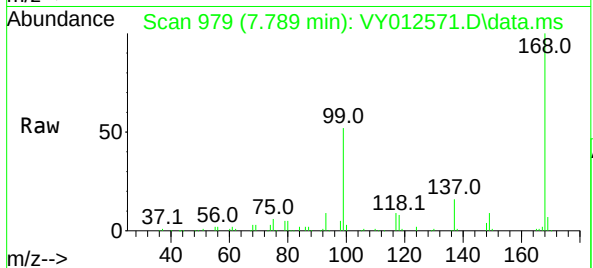
Lab File: VY012571.D

Acq: 10 Feb 2023 10:47

Instrument :

MSVOA_Y

ClientSampleId :



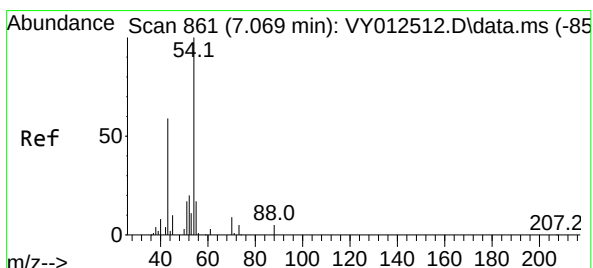
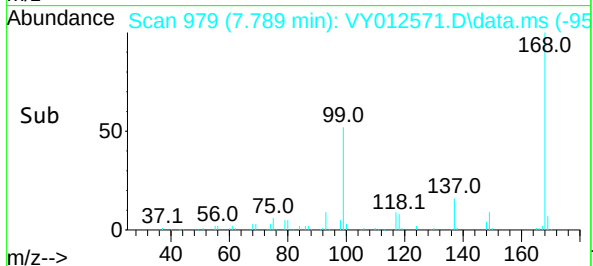
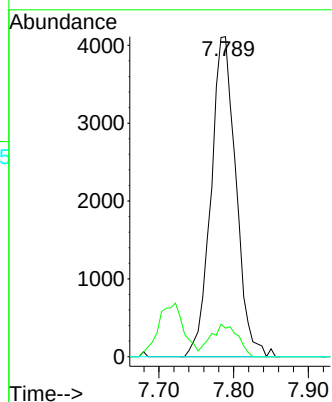
Tgt Ion: 75 Resp: 9546

Ion Ratio Lower Upper

75 100

110 10.9 19.5 58.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.163 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.091 min

Lab File: VY012571.D

Acq: 10 Feb 2023 10:47

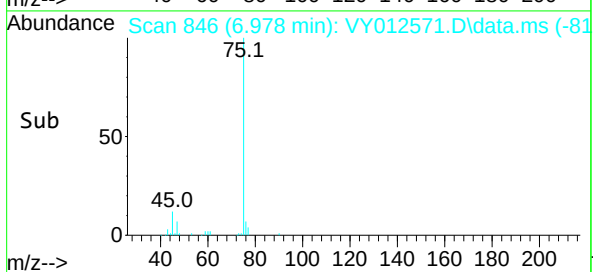
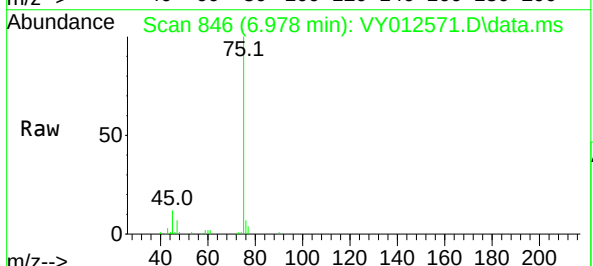
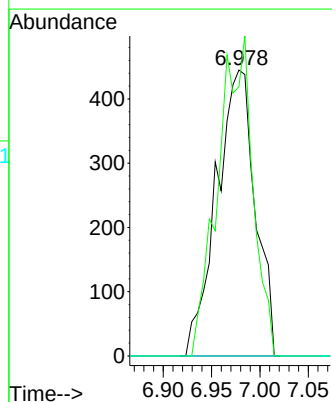
Tgt Ion: 43 Resp: 1245

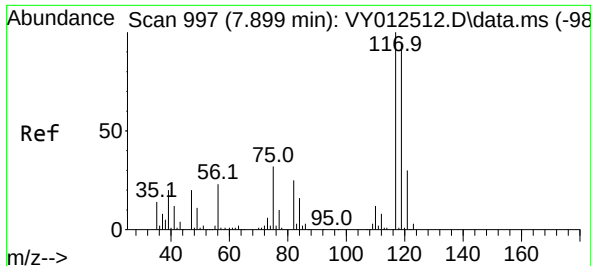
Ion Ratio Lower Upper

43 100

61 100.1 12.5 18.7#

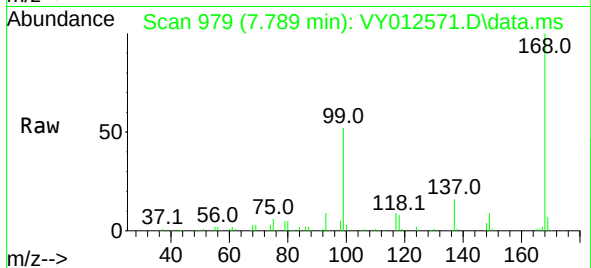
70 0.0 11.0 16.4#



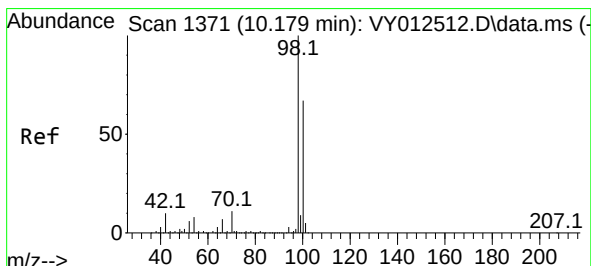
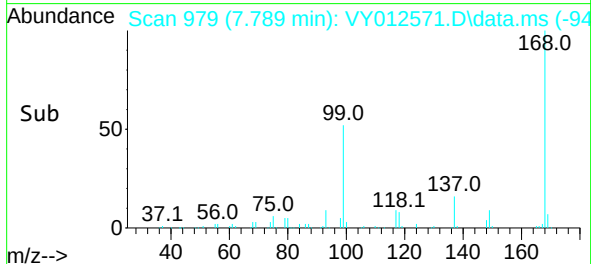
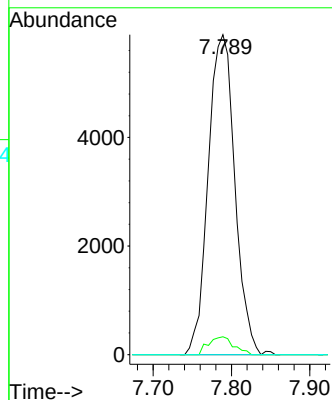


#38
Carbon Tetrachloride
Concen: 4.378 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

Instrument :
MSVOA_Y
ClientSampleId :

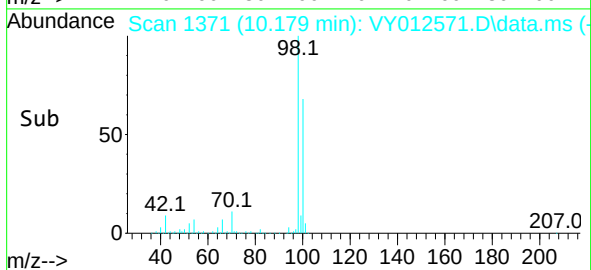
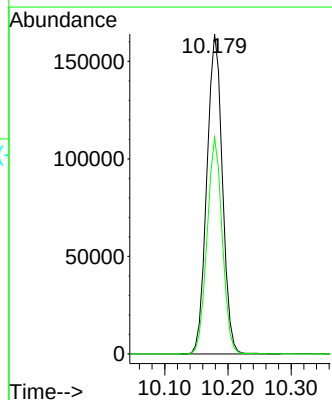
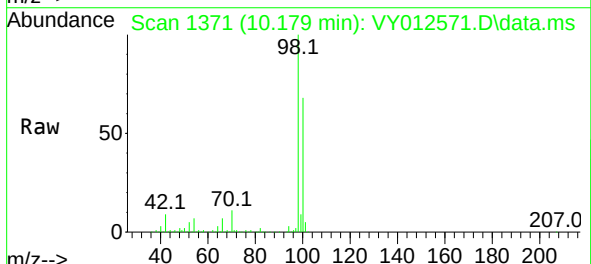


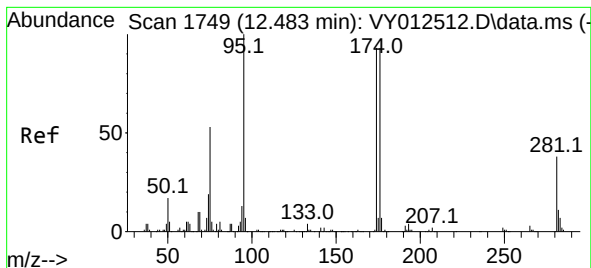
Tgt Ion:117 Resp: 13941
Ion Ratio Lower Upper
117 100
119 5.6 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.415 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

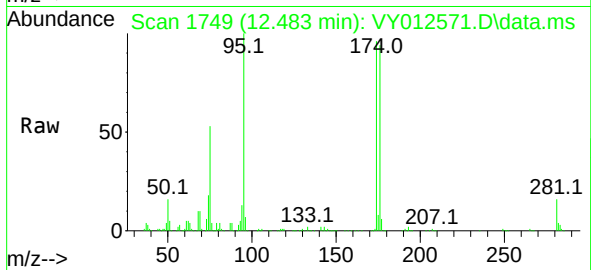
Tgt Ion: 98 Resp: 280225
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2



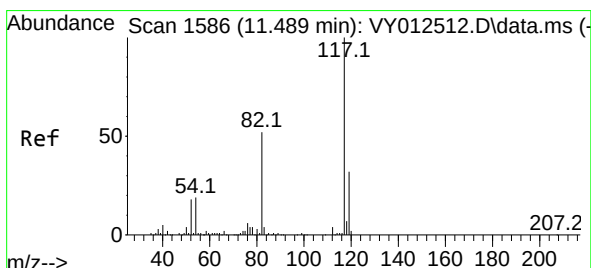
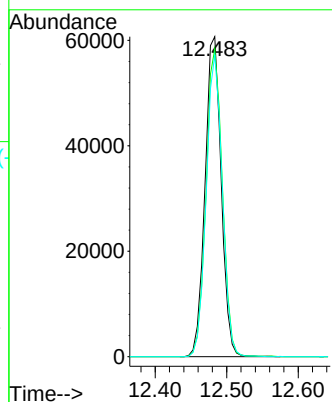
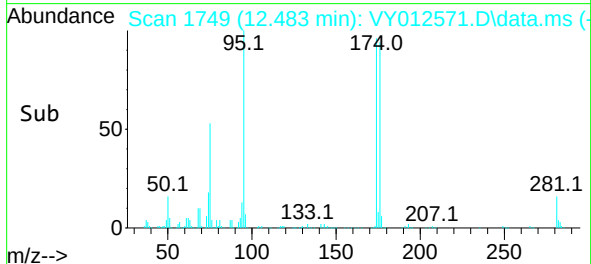


#62
4-Bromofluorobenzene
Concen: 37.417 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

Instrument :
MSVOA_Y
ClientSampleId :

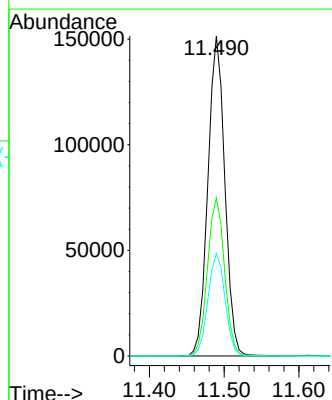
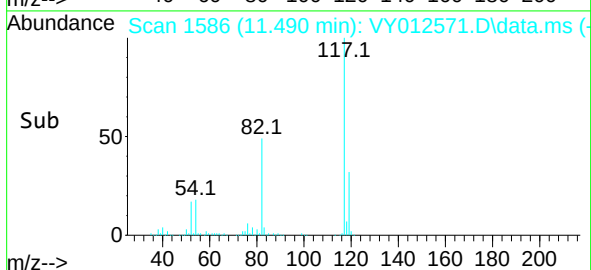
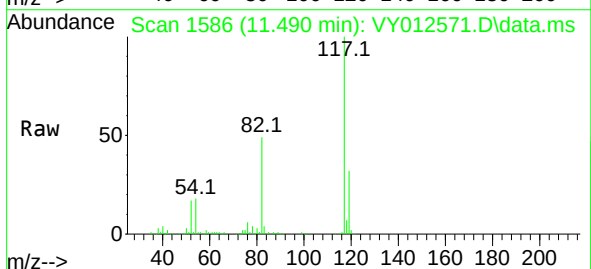


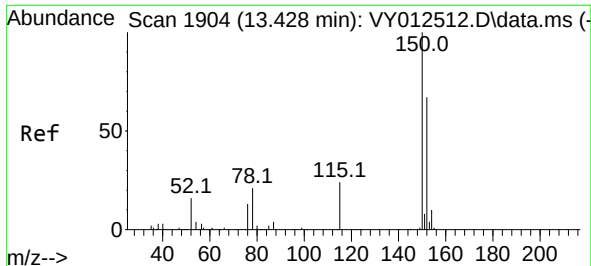
Tgt Ion: 95 Resp: 95204
Ion Ratio Lower Upper
95 100
174 97.2 0.0 188.0
176 94.0 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012571.D
Acq: 10 Feb 2023 10:47

Tgt Ion: 117 Resp: 237722
Ion Ratio Lower Upper
117 100
82 49.4 41.7 62.5
119 32.1 25.8 38.8

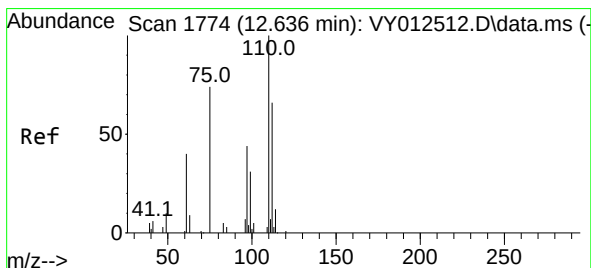
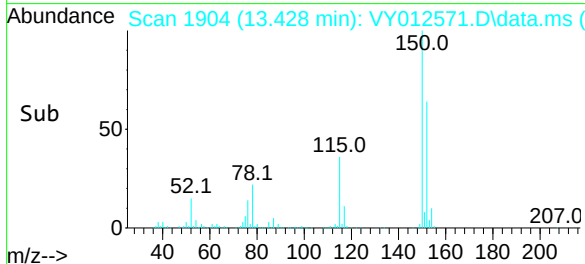
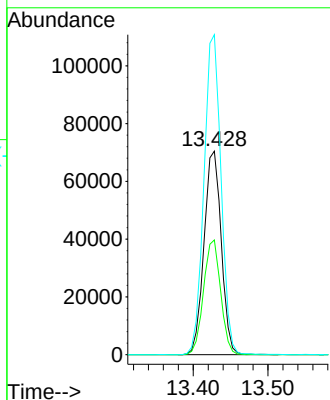
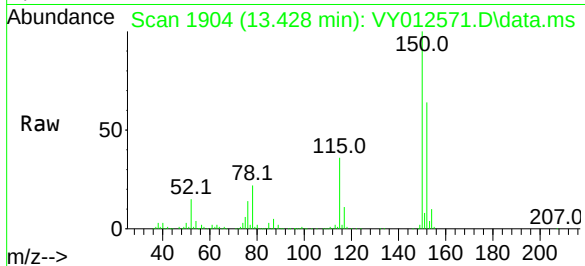




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012571.D
 Acq: 10 Feb 2023 10:47

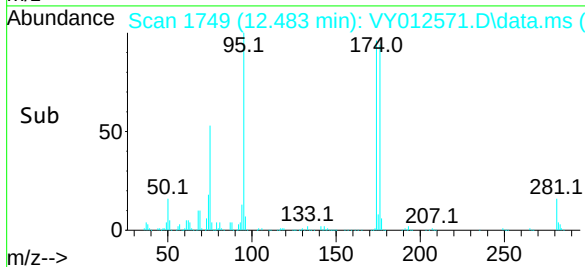
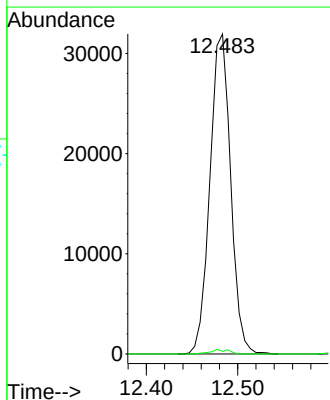
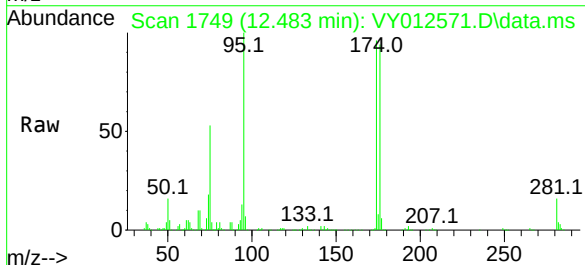
Instrument :
 MSVOA_Y
 ClientSampleId :

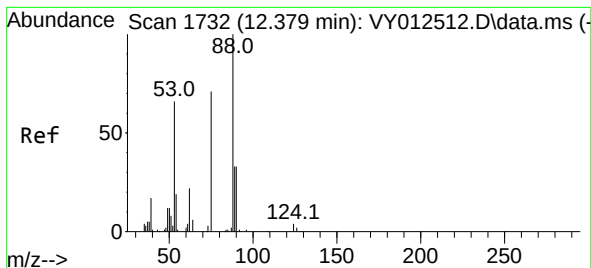
Tgt Ion:152 Resp: 112871
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.1 84.3
 150 155.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 39.991 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012571.D
 Acq: 10 Feb 2023 10:47

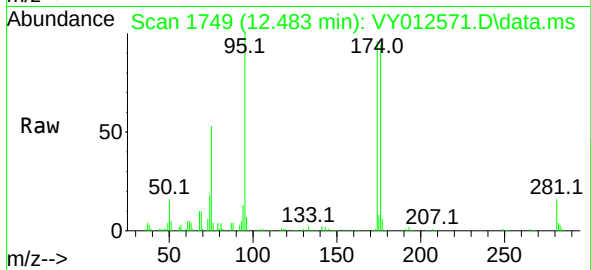
Tgt Ion: 75 Resp: 50430
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.182 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012571.D
 Acq: 10 Feb 2023 10:47

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 50430
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.2 39.9 59.9#

