

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013866.D
 Acq On : 25 May 2023 12:29
 Operator : KP/MD
 Sample : 02848-10RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP5

Quant Time: May 25 15:20:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	153685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120394	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	106915	60.133	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.260%	
35) Dibromofluoromethane	7.722	113	94530	54.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.420%	
50) Toluene-d8	10.185	98	333879	50.375	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.483	95	106879	48.513	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.020%	

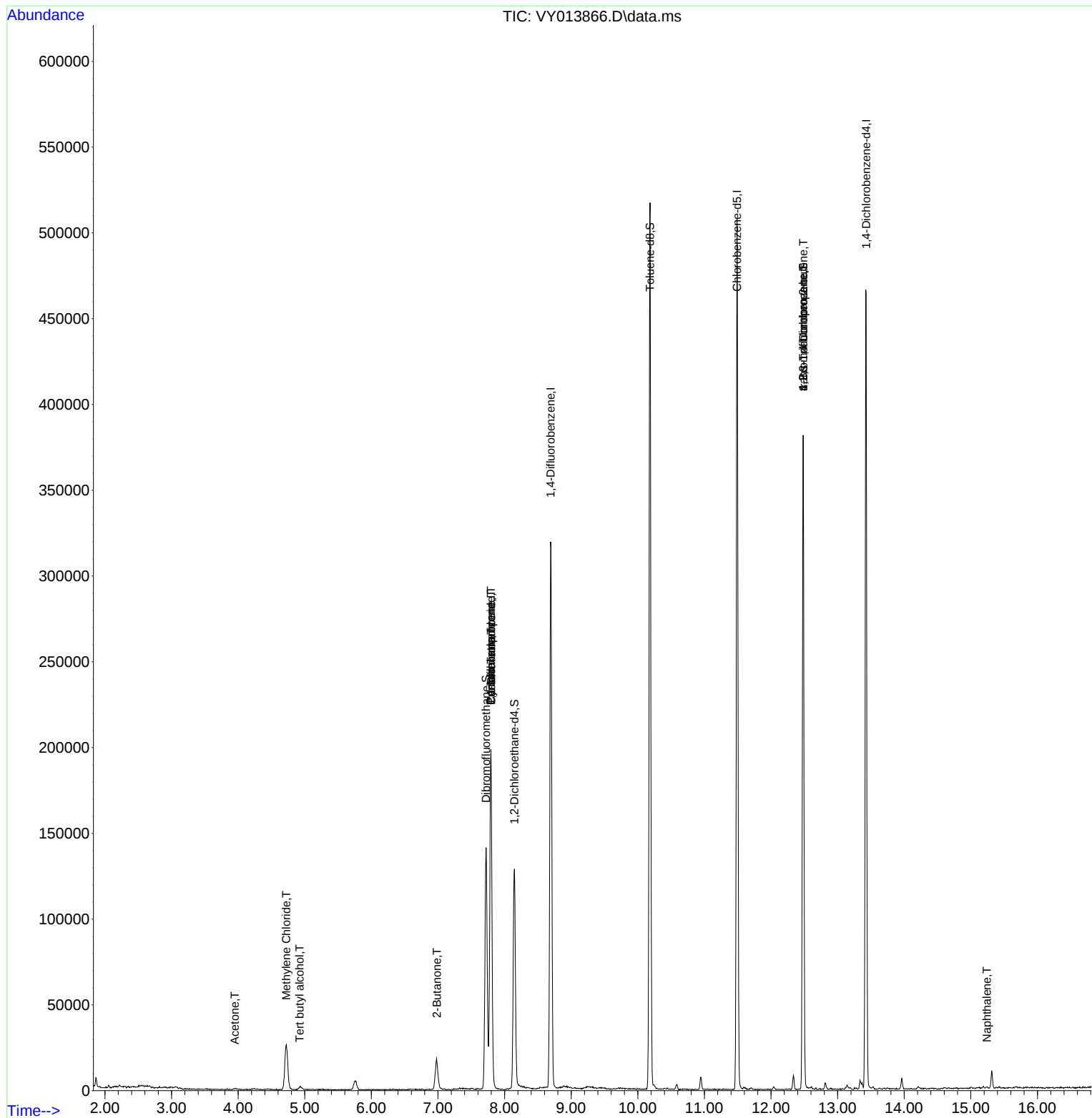
Target Compounds				Qvalue		
11) Tert butyl alcohol	4.924	59	1823	13.384	ug/l #	73
16) Acetone	3.948	43	1431	2.712	ug/l	90
20) Methylene Chloride	4.722	84	19385	8.239	ug/l	92
25) 2-Butanone	6.984	43	1086	1.687	ug/l #	85
31) Cyclohexane	7.795	56	3573	1.308	ug/l #	42
36) 1,1-Dichloropropene	7.795	75	11905	4.482	ug/l #	50
38) Carbon Tetrachloride	7.795	117	14844	4.914	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	58223	41.013	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58223	89.027	ug/l #	10
95) Naphthalene	15.239	128	999	4.725	ug/l #	85

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

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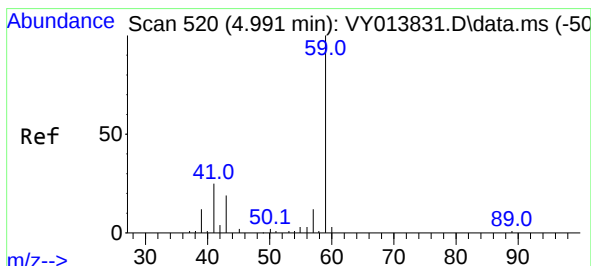
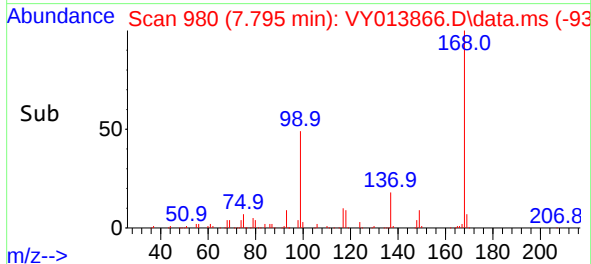
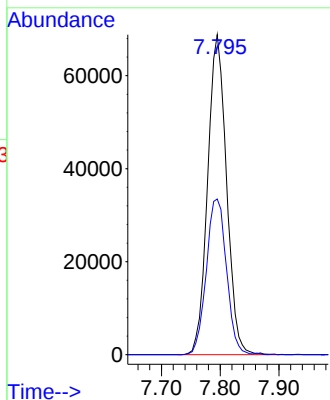
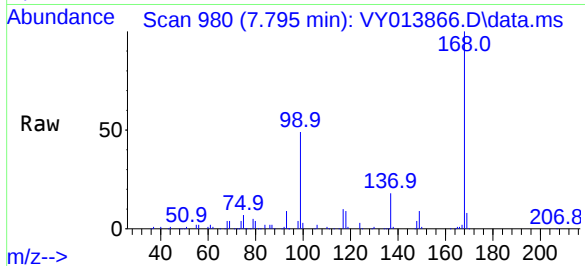




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

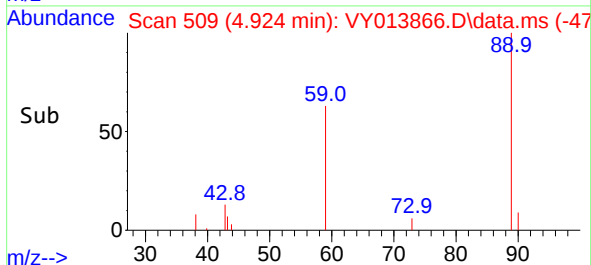
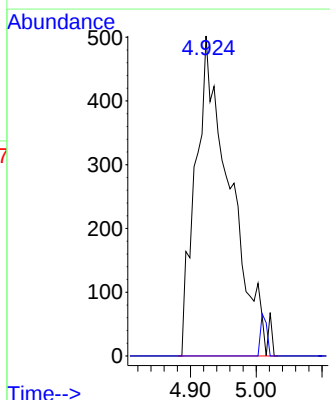
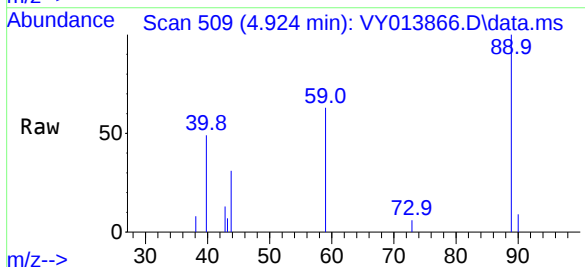
Instrument :
MSVOA_Y
ClientSampleId :
TP5

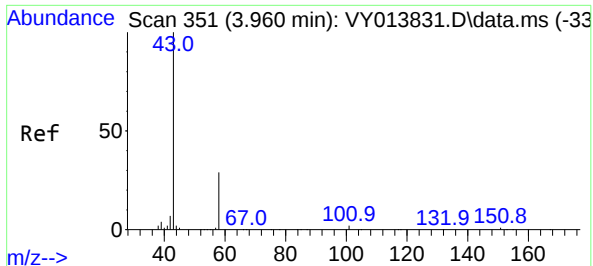
Tgt Ion:168 Resp: 153685
Ion Ratio Lower Upper
168 100
99 48.6 43.4 65.2



#11
Tert butyl alcohol
Concen: 13.384 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.067 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 59 Resp: 1823
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

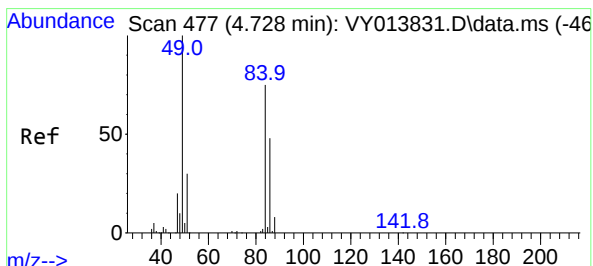
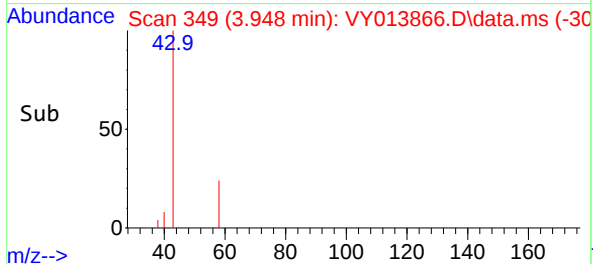
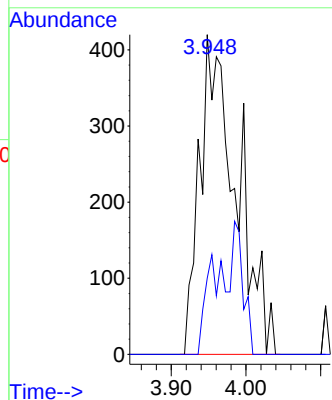
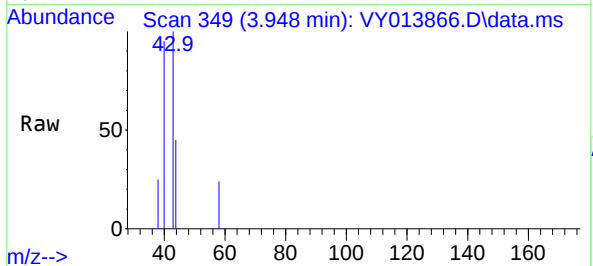




#16
Acetone
Concen: 2.712 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

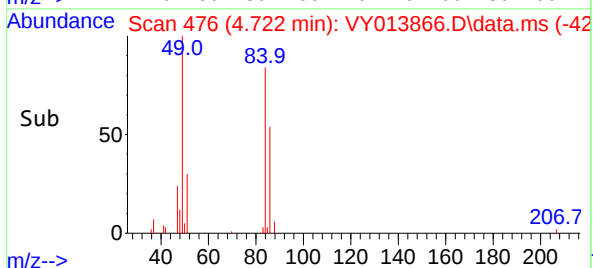
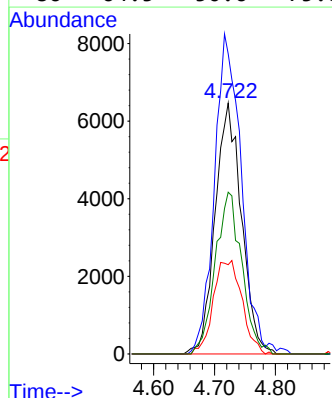
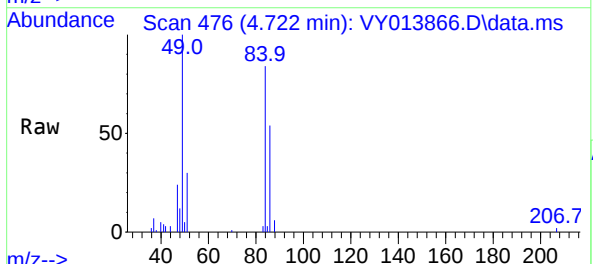
Instrument :
MSVOA_Y
ClientSampleId :
TP5

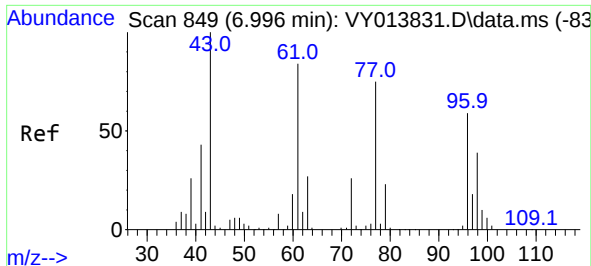
Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
58 23.8 23.3 34.9



#20
Methylene Chloride
Concen: 8.239 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 84 Resp: 19385
Ion Ratio Lower Upper
84 100
49 119.6 106.2 159.2
51 35.6 31.4 47.0
86 64.5 50.6 75.8

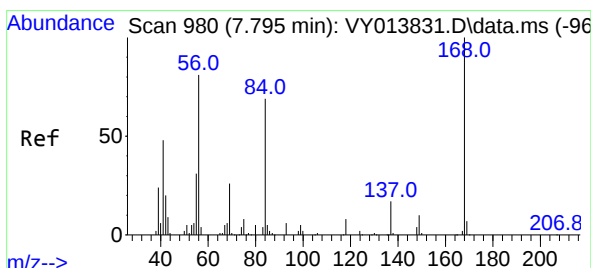
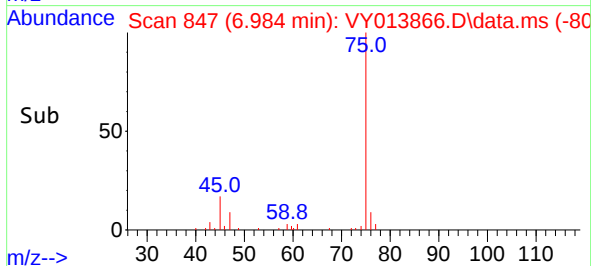
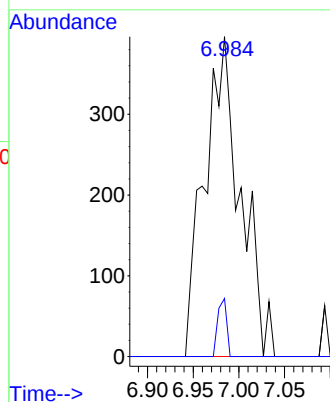
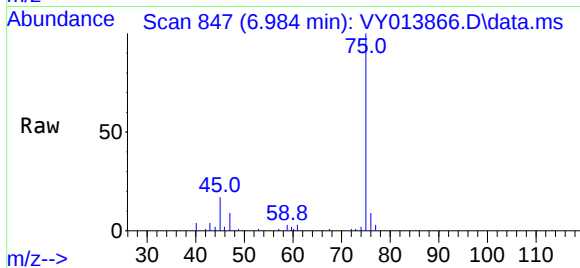




#25
2-Butanone
Concen: 1.687 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

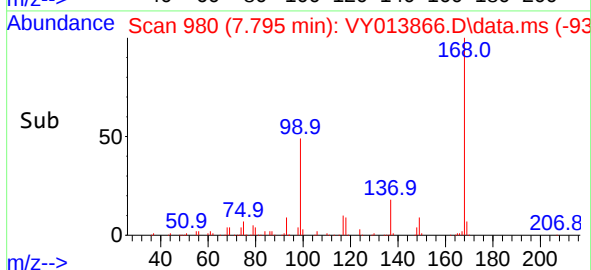
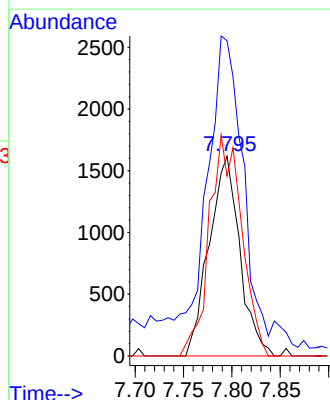
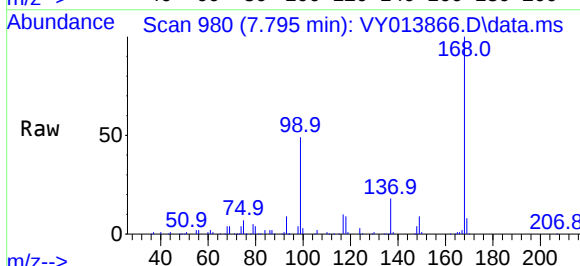
Instrument :
MSVOA_Y
ClientSampleId :
TP5

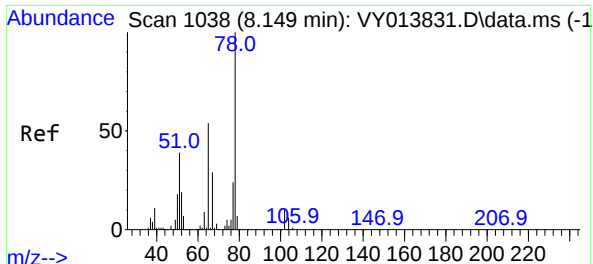
Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
72 18.2 20.5 30.7#



#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 56 Resp: 3573
Ion Ratio Lower Upper
56 100
69 143.1 25.8 38.8#
84 90.0 68.2 102.2





#33

1,2-Dichloroethane-d4

Concen: 60.133 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY013866.D

Acq: 25 May 2023 12:29

Instrument :

MSVOA_Y

ClientSampleId :

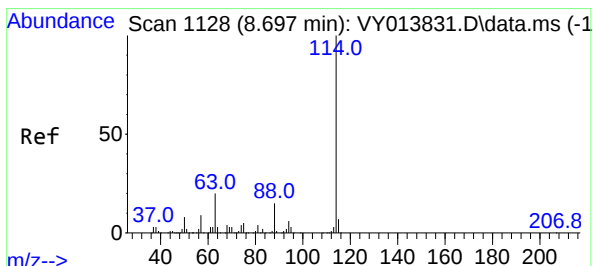
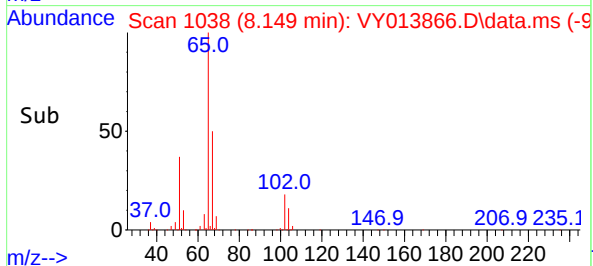
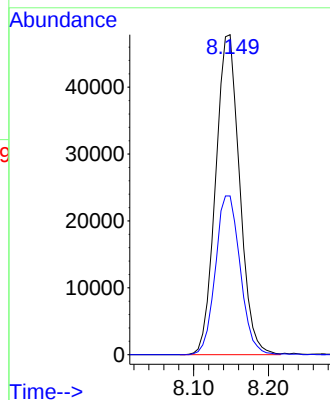
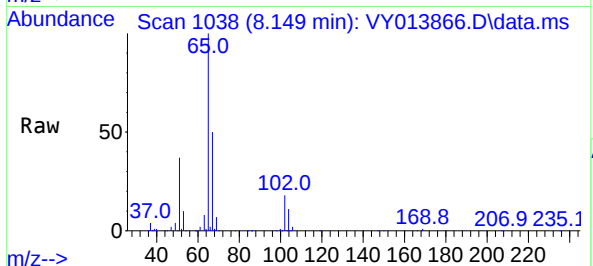
TP5

Tgt Ion: 65 Resp: 106915

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013866.D

Acq: 25 May 2023 12:29

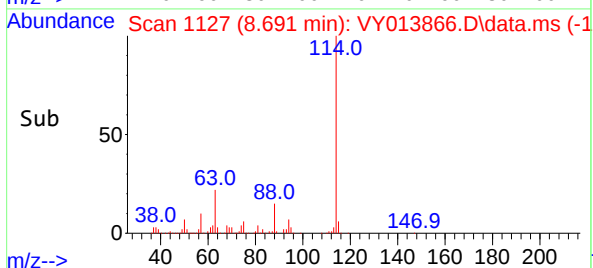
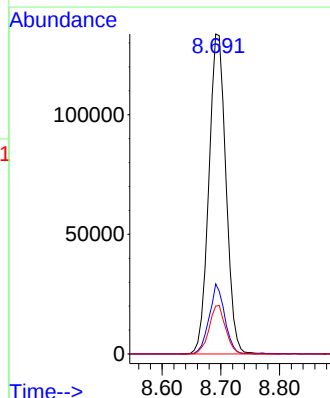
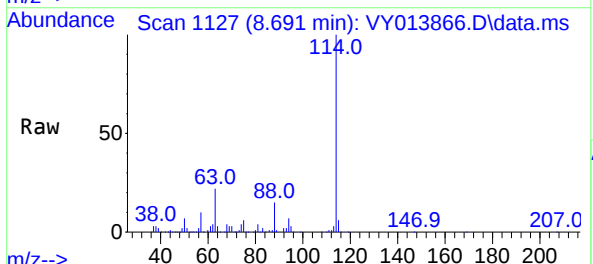
Tgt Ion: 114 Resp: 270029

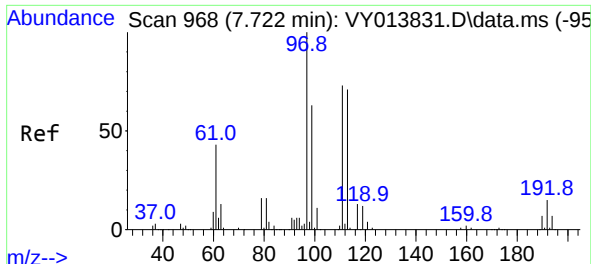
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.2

88 14.9 0.0 30.0

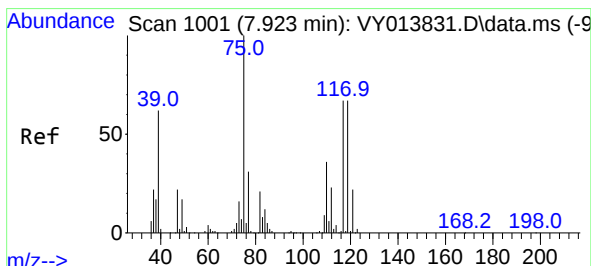
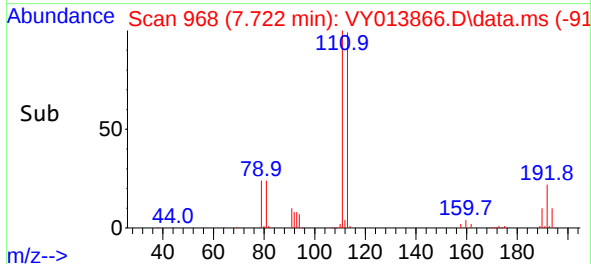
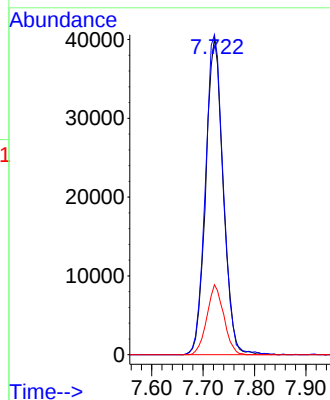
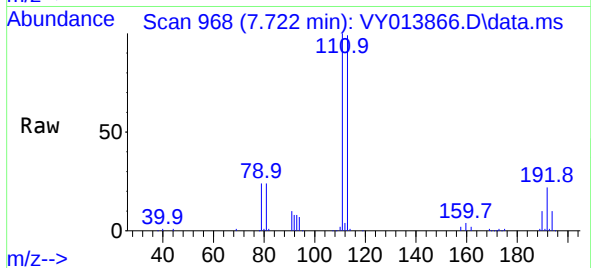




#35
Dibromofluoromethane
Concen: 54.207 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

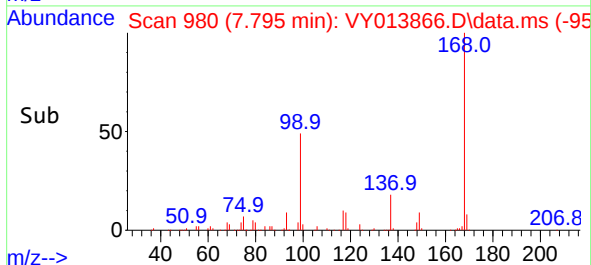
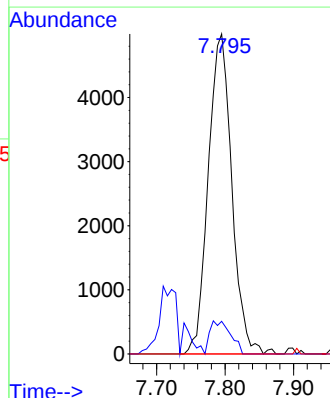
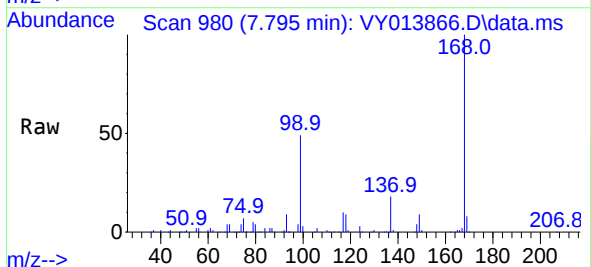
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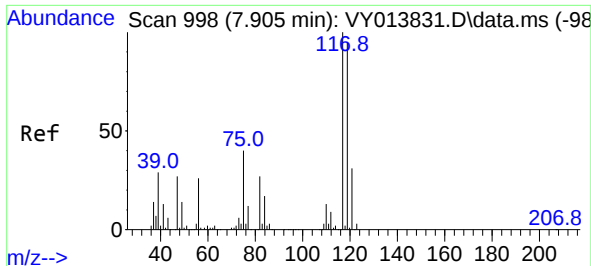
Tgt Ion:113 Resp: 94530
Ion Ratio Lower Upper
113 100
111 103.4 80.4 120.6
192 21.4 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.482 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 75 Resp: 11905
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.6#
77 0.0 24.4 36.6#

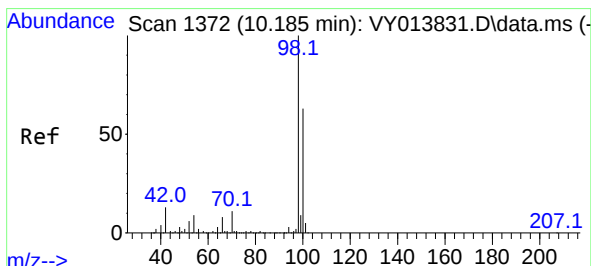
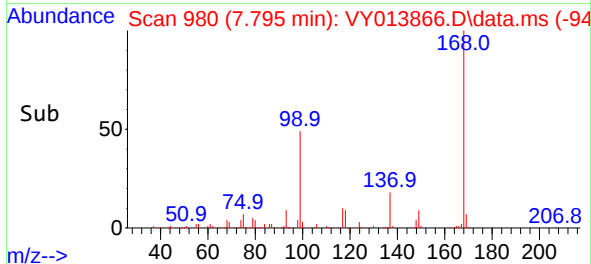
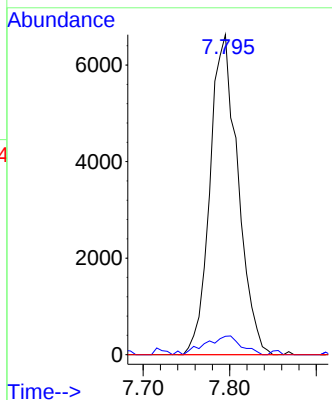
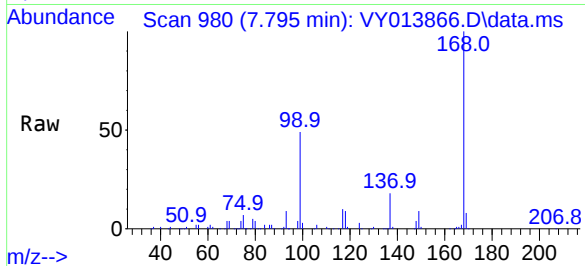




#38
Carbon Tetrachloride
Concen: 4.914 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

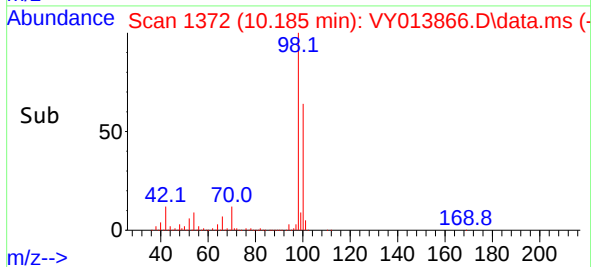
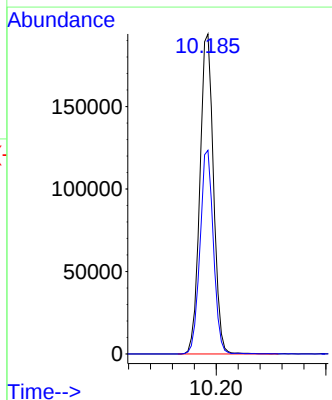
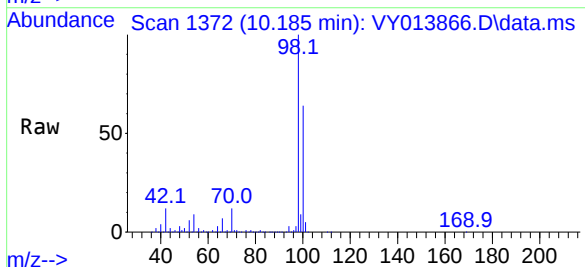
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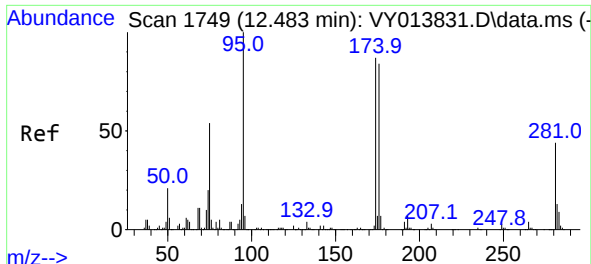
Tgt Ion:117 Resp: 14844
Ion Ratio Lower Upper
117 100
119 4.6 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.375 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 98 Resp: 333879
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2

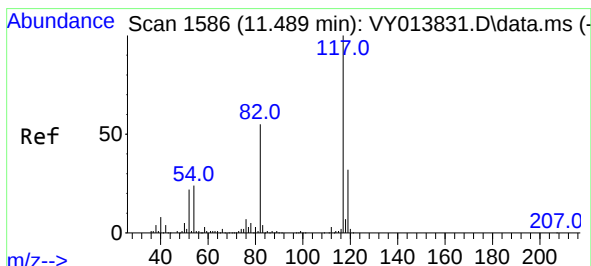
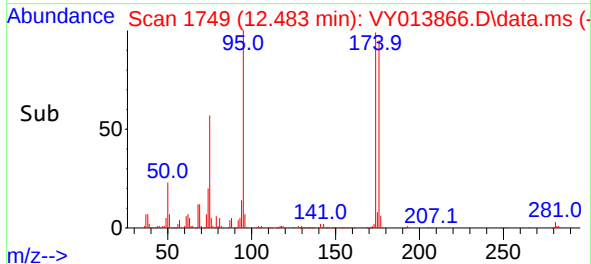
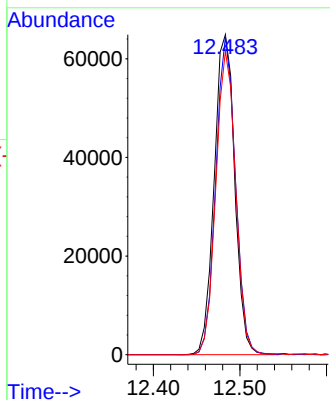
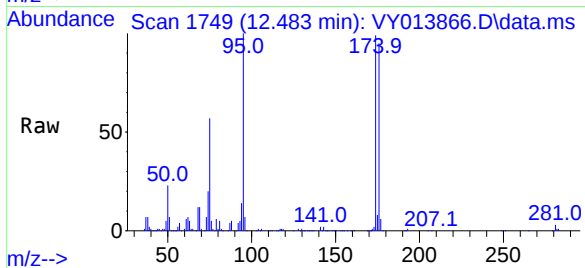




#62
4-Bromofluorobenzene
Concen: 48.513 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

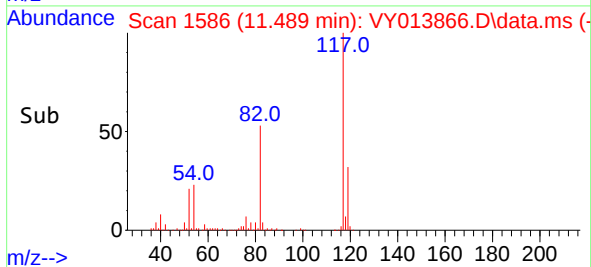
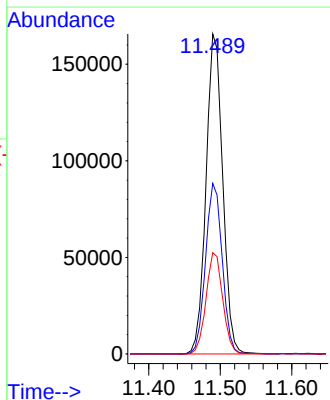
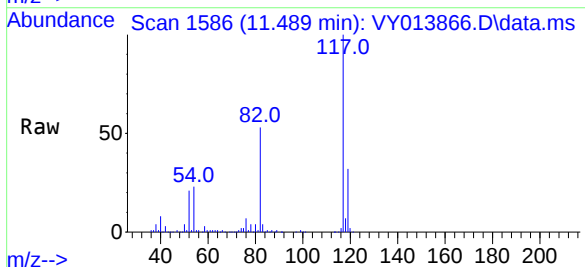
Instrument :
MSVOA_Y
ClientSampleId :
TP5

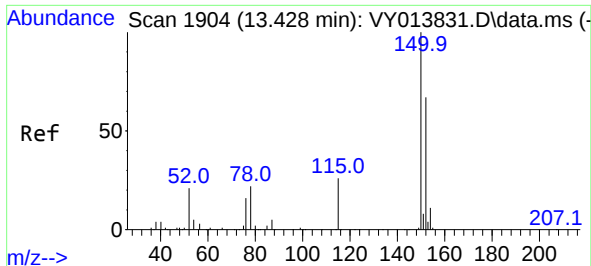
Tgt Ion: 95 Resp: 106879
Ion Ratio Lower Upper
95 100
174 95.0 0.0 176.0
176 91.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 117 Resp: 268656
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.4
119 31.6 25.7 38.5

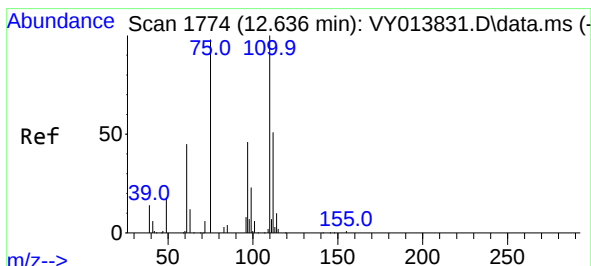
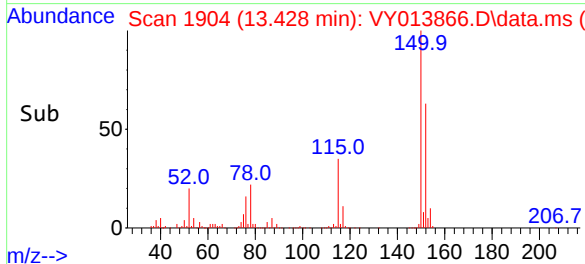
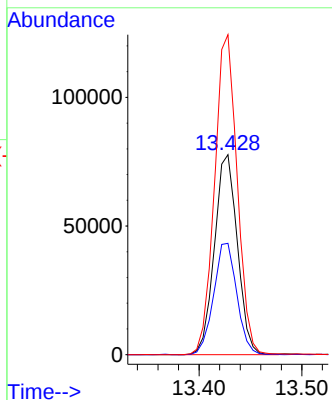
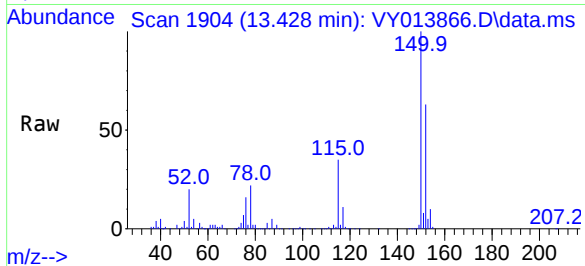




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

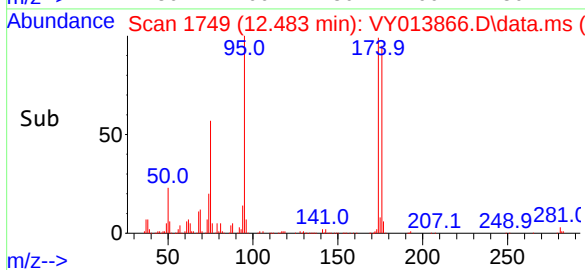
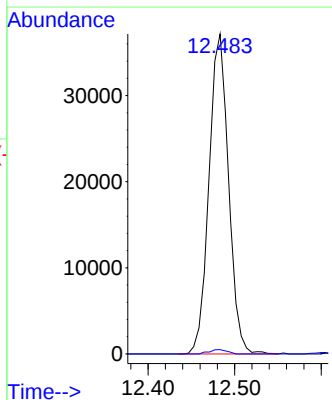
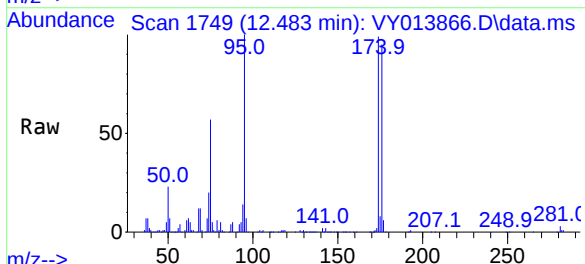
Instrument :
MSVOA_Y
ClientSampleId :
TP5

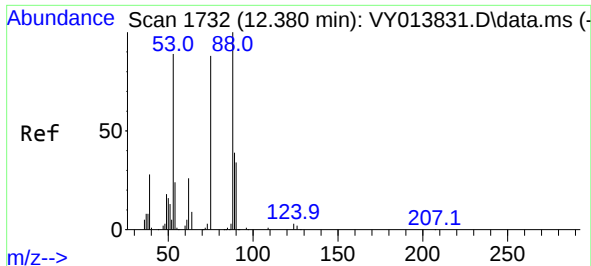
Tgt Ion:152 Resp: 120394
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.5
150 158.1 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 41.013 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 75 Resp: 58223
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

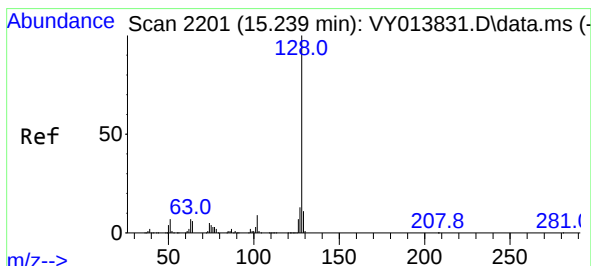
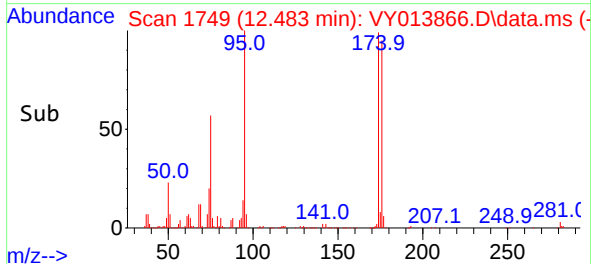
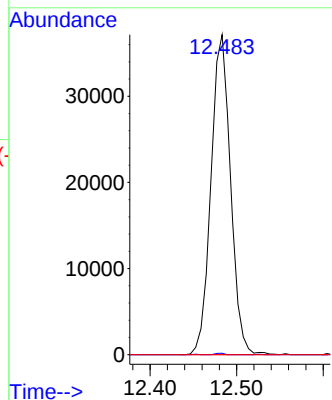
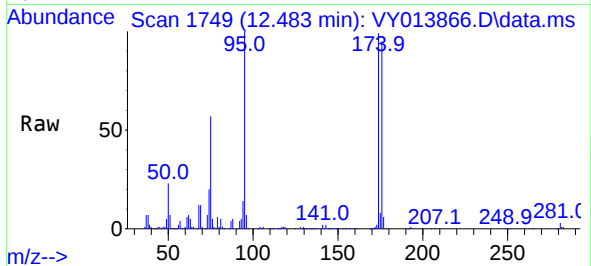




#81
trans-1,4-Dichloro-2-butene
Concen: 89.027 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Instrument :
MSVOA_Y
ClientSampleId :
TP5

Tgt Ion: 75 Resp: 58223
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 4.725 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013866.D
Acq: 25 May 2023 12:29

Tgt Ion: 128 Resp: 999
Ion Ratio Lower Upper
128 100
127 6.6 10.7 16.1#
129 6.7 9.0 13.4#

