

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050323\
 Data File : VY013585.D
 Acq On : 03 May 2023 16:34
 Operator : KP/MD
 Sample : 02582-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-050223

Quant Time: May 04 01:21:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

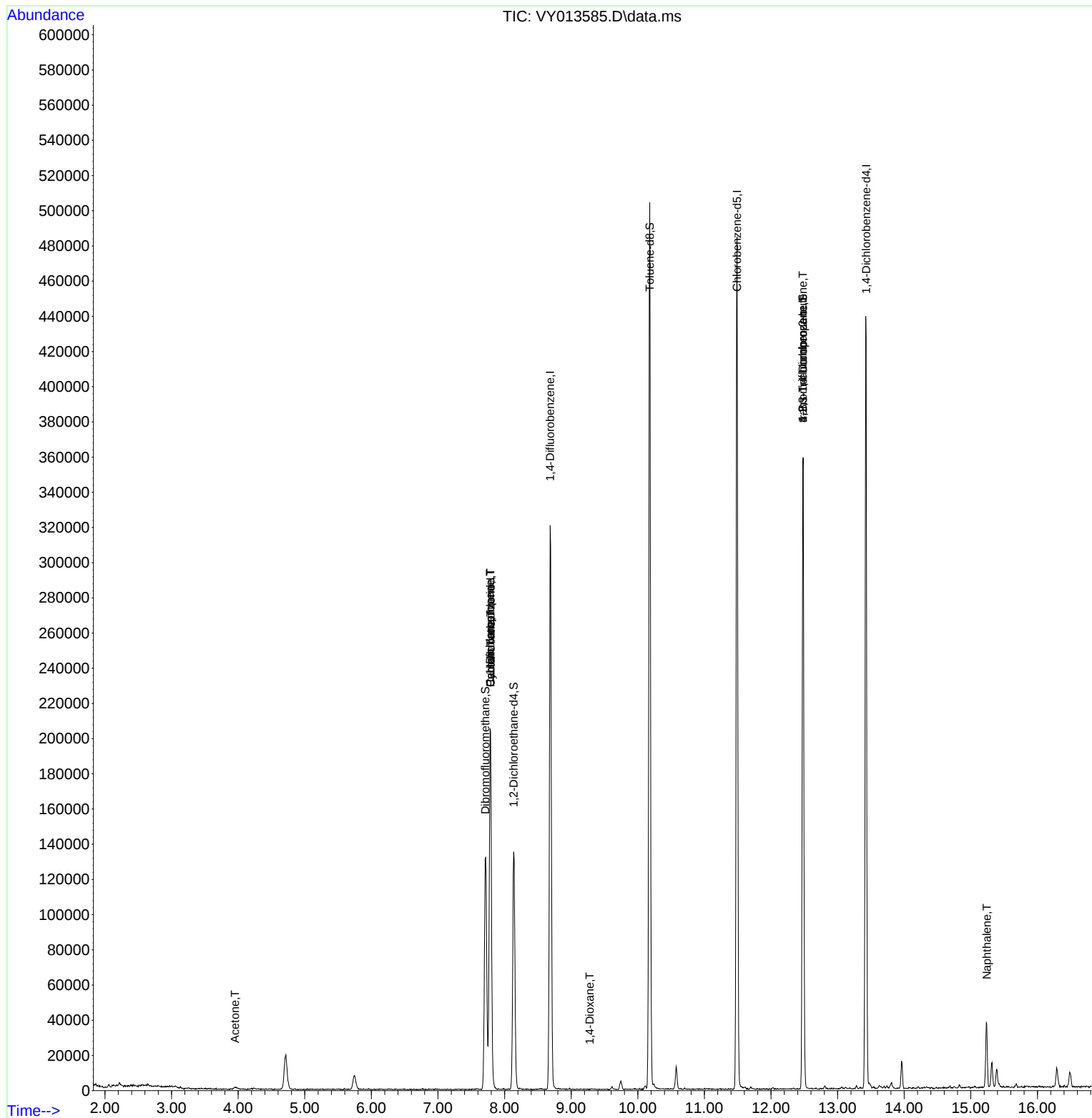
Internal Standards						
1) Pentafluorobenzene	7.789	168	161282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	269005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	256432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111785	63.227	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.460%	
35) Dibromofluoromethane	7.710	113	93438	55.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.460%	
50) Toluene-d8	10.179	98	330501	54.911	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.820%	
62) 4-Bromofluorobenzene	12.477	95	101714	50.128	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.260%	
Target Compounds						Qvalue
13) Acrolein	3.698	56	58	Below Cal		96
16) Acetone	3.954	43	2962	4.254 ug/l	#	63
20) Methylene Chloride	4.716	84	13925	Below Cal	#	84
31) Cyclohexane	7.789	56	3699	1.169 ug/l	#	1
36) 1,1-Dichloropropene	7.783	75	12681	4.516 ug/l	#	49
38) Carbon Tetrachloride	7.789	117	15638	5.313 ug/l	#	15
49) 1,4-Dioxane	9.276	88	31	1.754 ug/l	#	9
76) 1,2,3-Trichloropropane	12.477	75	53174	34.750 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53174	71.084 ug/l	#	13
95) Naphthalene	15.239	128	31682	6.846 ug/l		99

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

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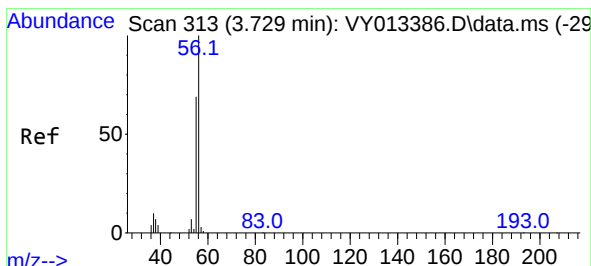
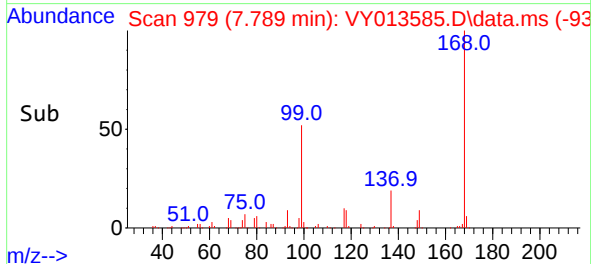
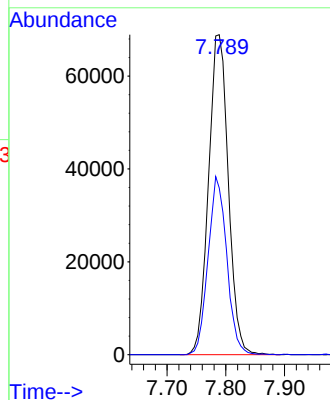
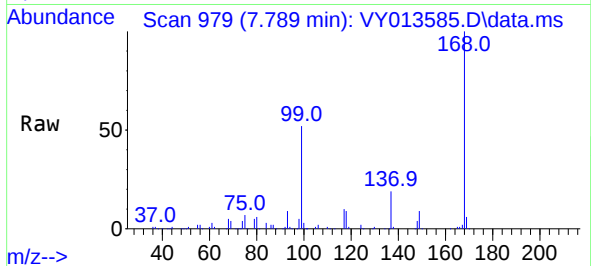




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

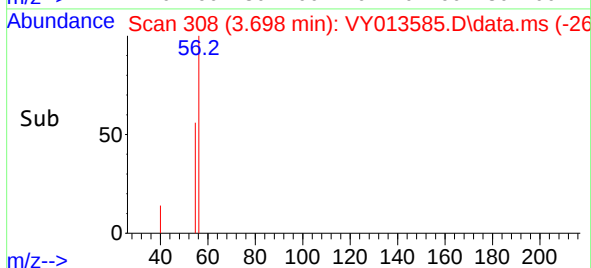
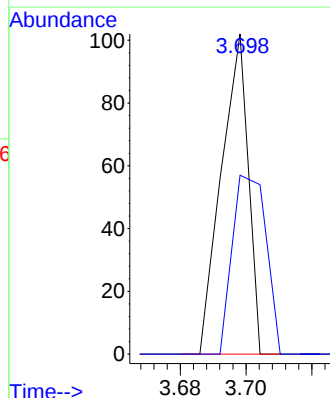
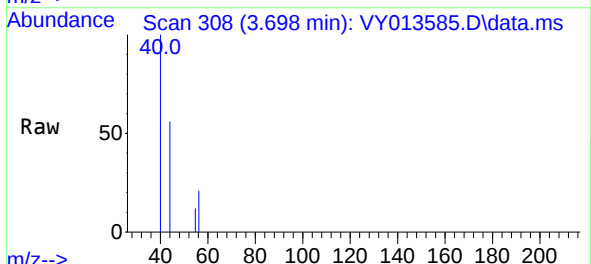
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-050223

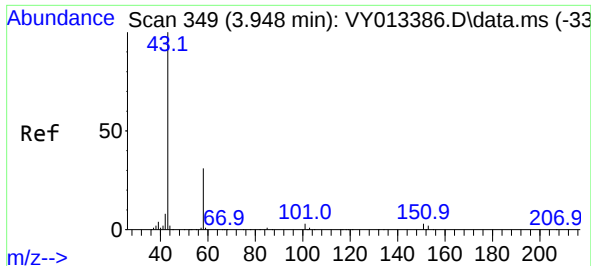
Tgt Ion:168 Resp: 161282
Ion Ratio Lower Upper
168 100
99 52.1 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.031 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 70.7 54.1 81.1

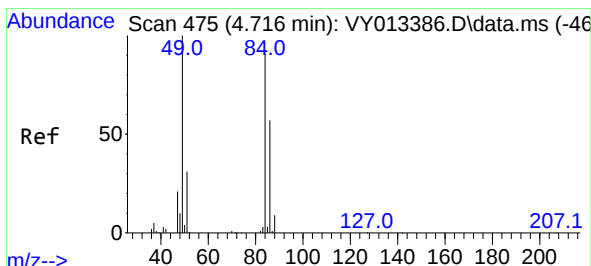
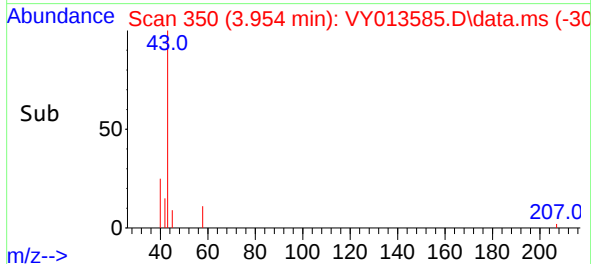
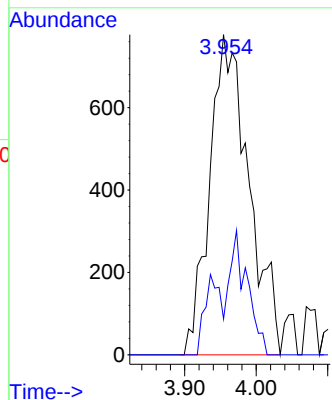
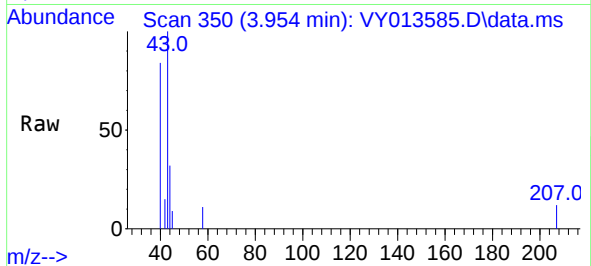




#16
Acetone
Concen: 4.254 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

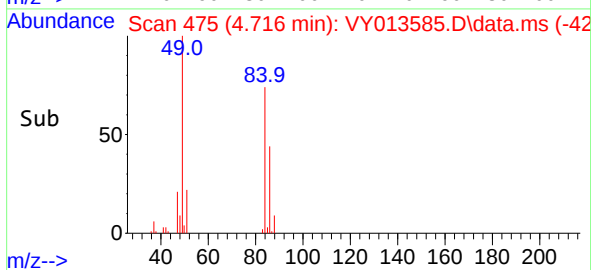
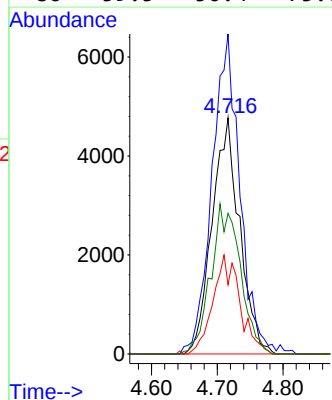
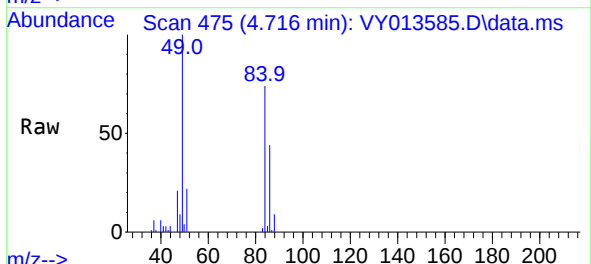
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-050223

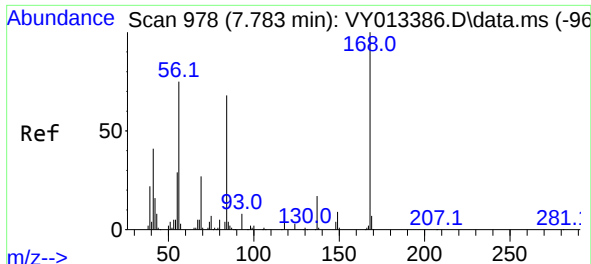
Tgt Ion: 43 Resp: 2962
Ion Ratio Lower Upper
43 100
58 11.2 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Tgt Ion: 84 Resp: 13925
Ion Ratio Lower Upper
84 100
49 135.5 88.0 132.0#
51 29.4 27.4 41.0
86 59.5 50.4 75.6

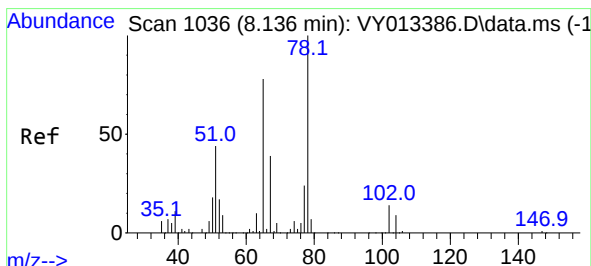
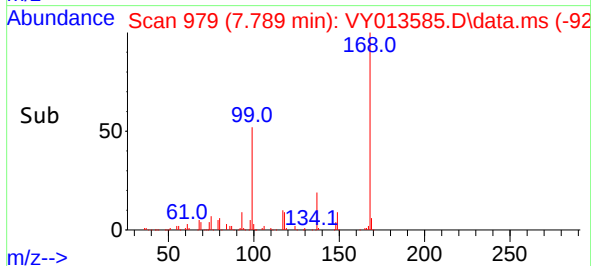
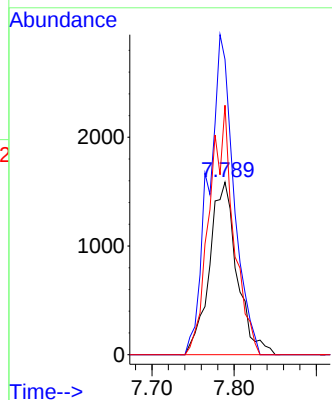
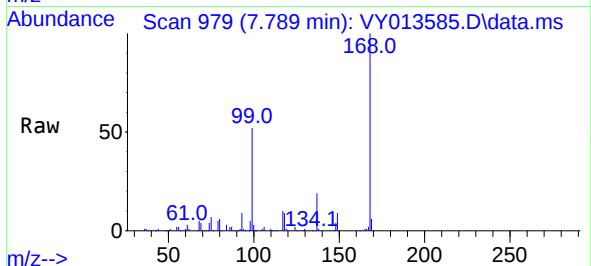




#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

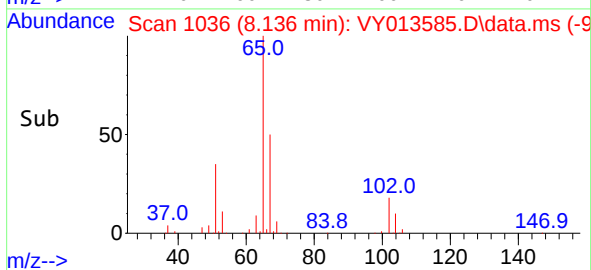
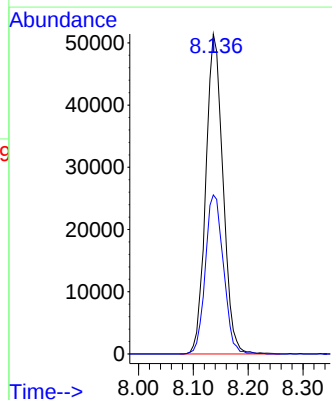
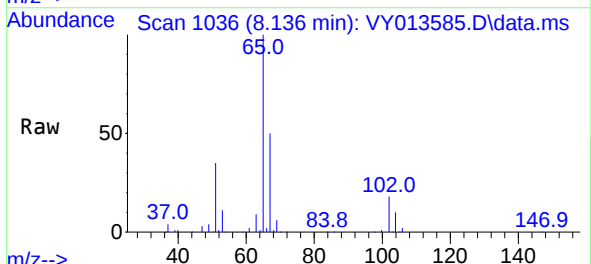
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-050223

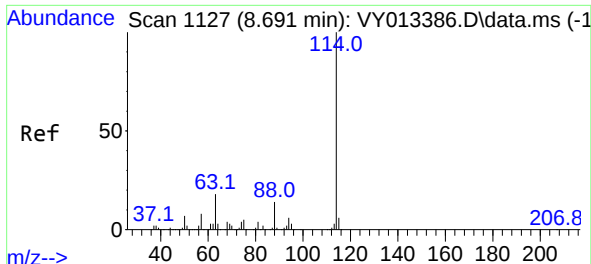
Tgt Ion: 56 Resp: 3699
Ion Ratio Lower Upper
56 100
69 171.1 29.2 43.8#
84 144.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 63.227 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Tgt Ion: 65 Resp: 111785
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013585.D

Acq: 03 May 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-050223

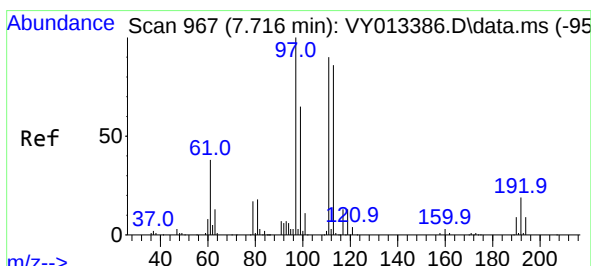
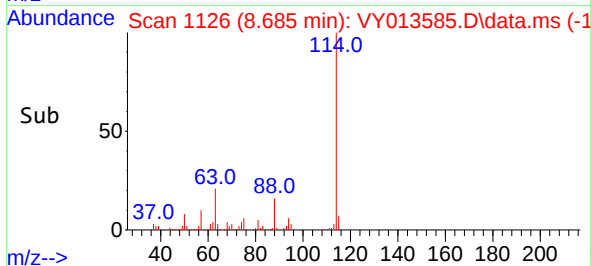
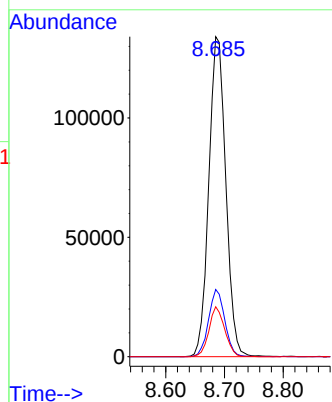
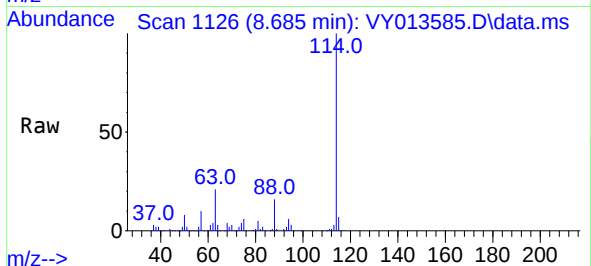
Tgt Ion:114 Resp: 269005

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.6

88 15.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.226 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013585.D

Acq: 03 May 2023 16:34

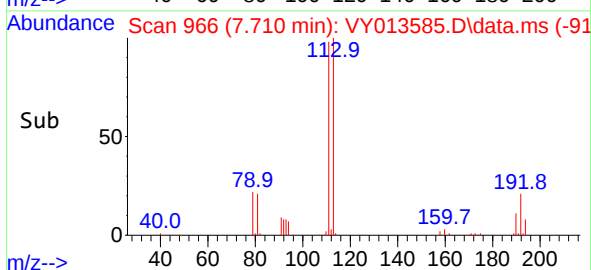
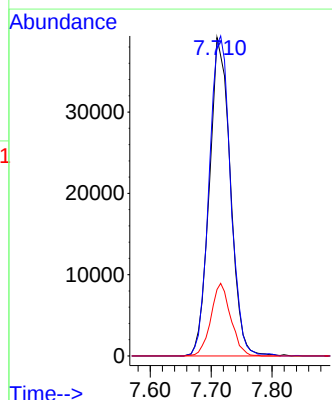
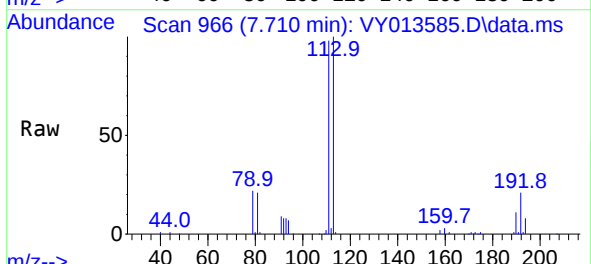
Tgt Ion:113 Resp: 93438

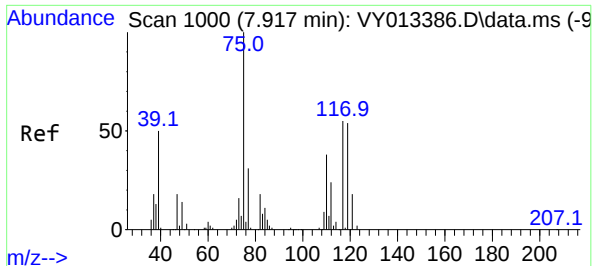
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 21.6 16.7 25.1

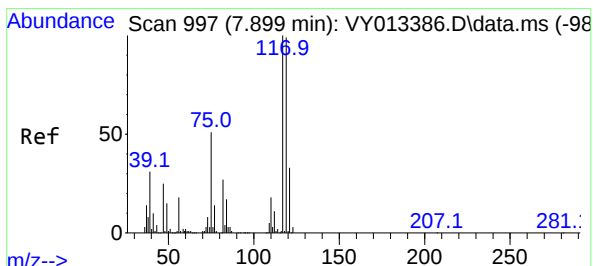
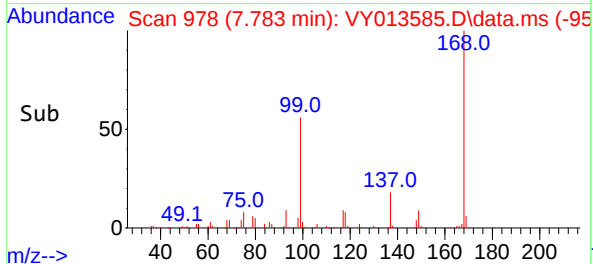
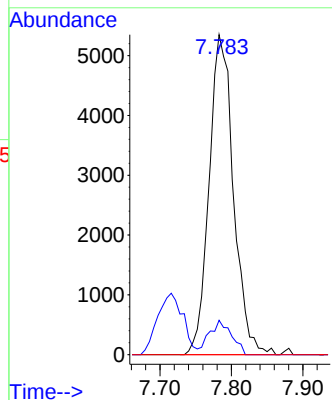
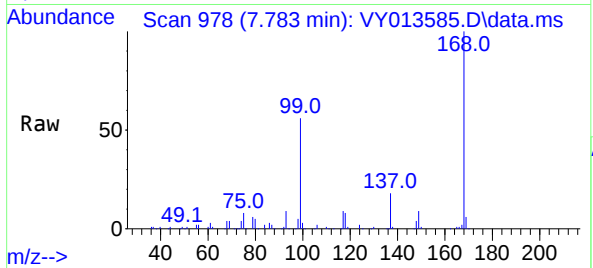




#36
1,1-Dichloropropene
Concen: 4.516 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

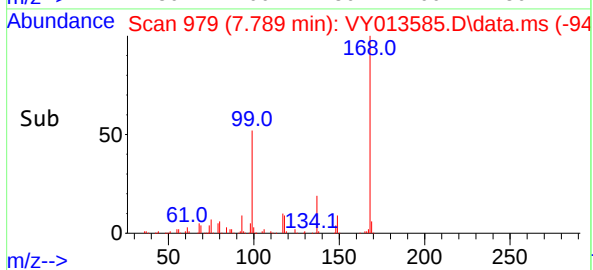
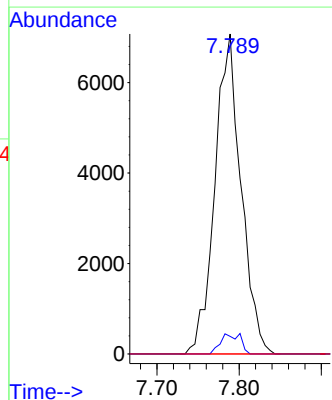
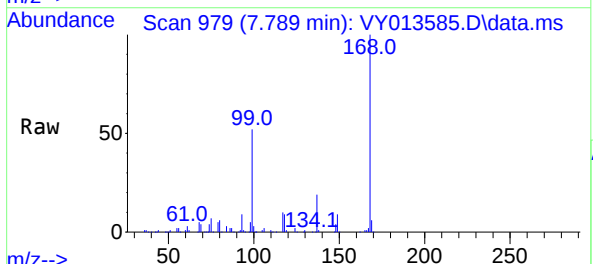
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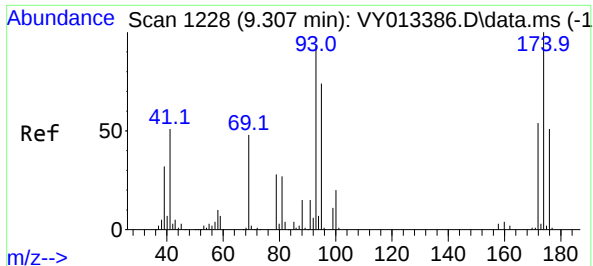
Tgt Ion: 75 Resp: 12681
Ion Ratio Lower Upper
75 100
110 9.8 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Tgt Ion: 117 Resp: 15638
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.754 ug/l

RT: 9.276 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY013585.D

Acq: 03 May 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-050223

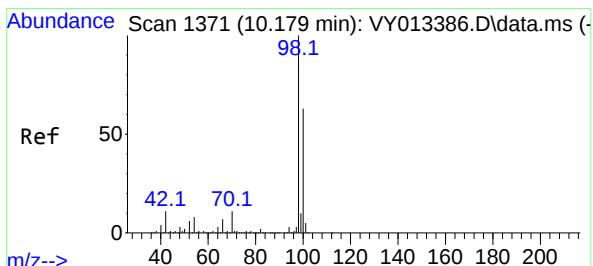
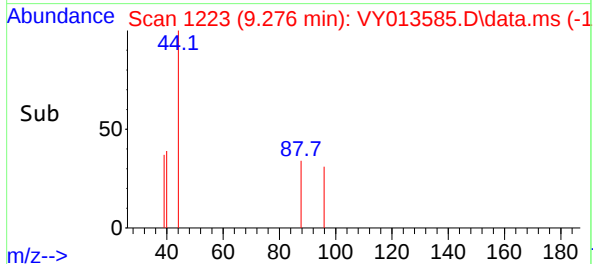
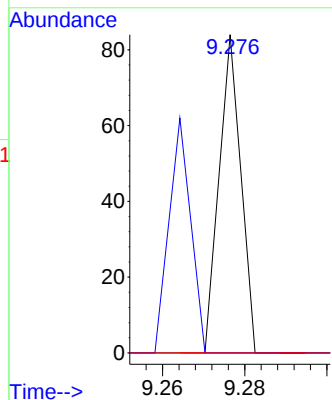
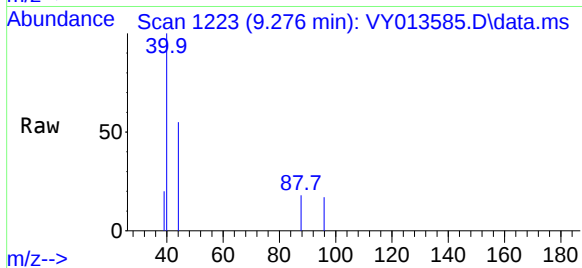
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 74.2 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 54.911 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013585.D

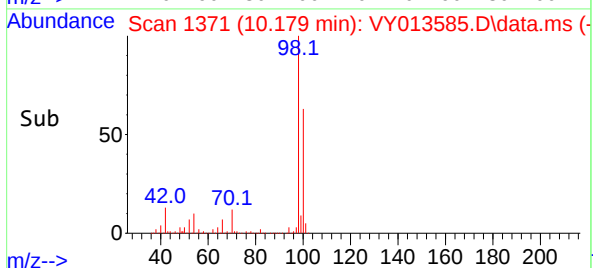
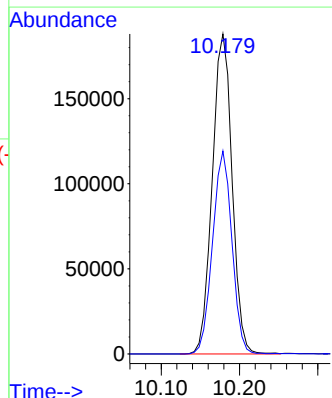
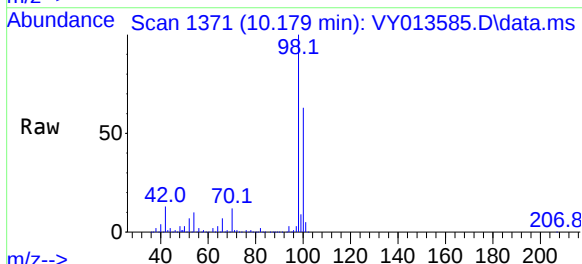
Acq: 03 May 2023 16:34

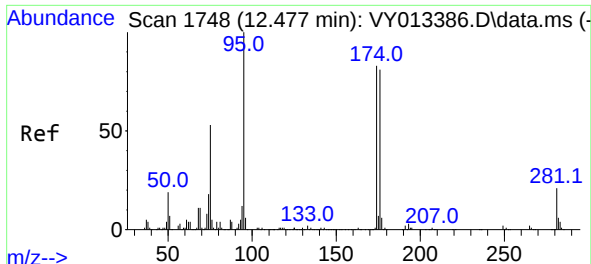
Tgt Ion: 98 Resp: 330501

Ion Ratio Lower Upper

98 100

100 62.0 50.5 75.7

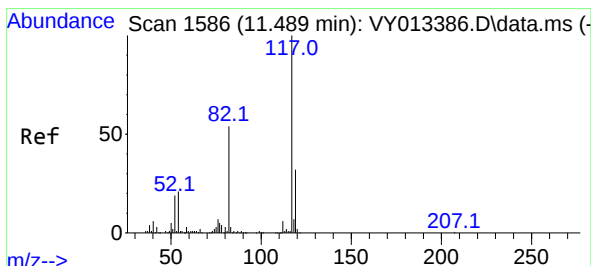
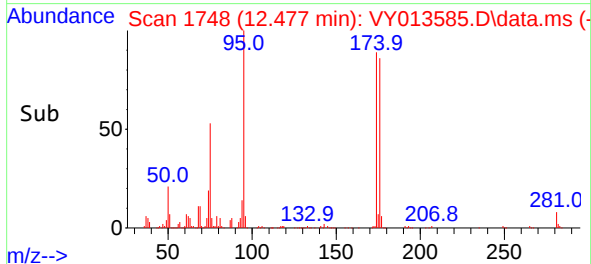
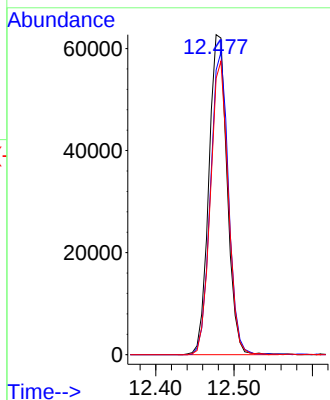
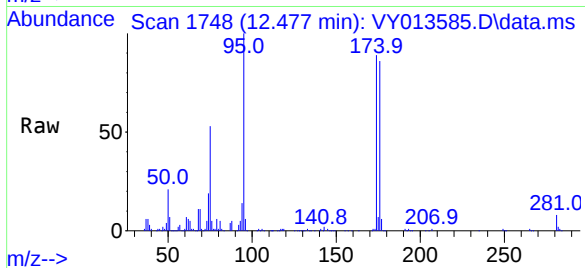




#62
4-Bromofluorobenzene
Concen: 50.128 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

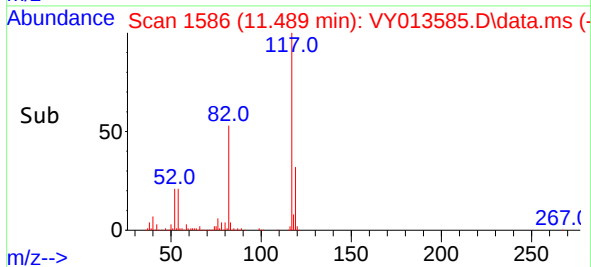
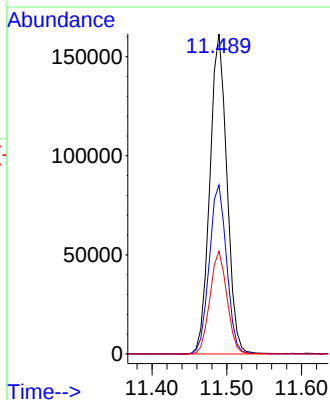
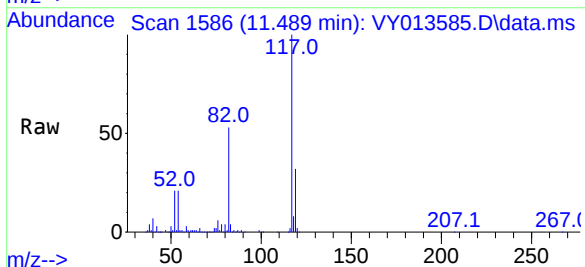
Instrument :
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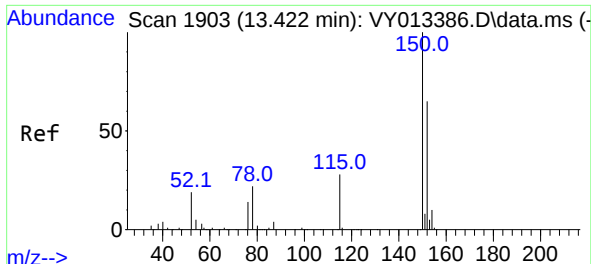
Tgt Ion: 95 Resp: 101714
Ion Ratio Lower Upper
95 100
174 93.1 0.0 182.0
176 89.2 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Tgt Ion: 117 Resp: 256432
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.6
119 32.1 25.5 38.3

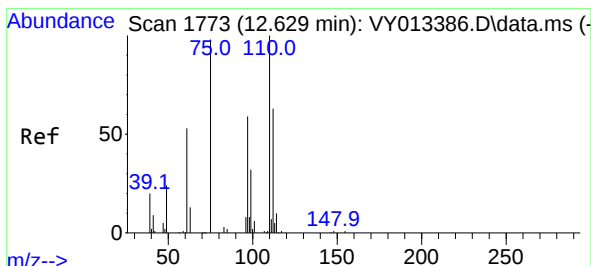
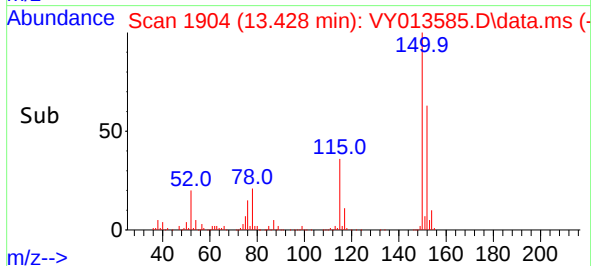
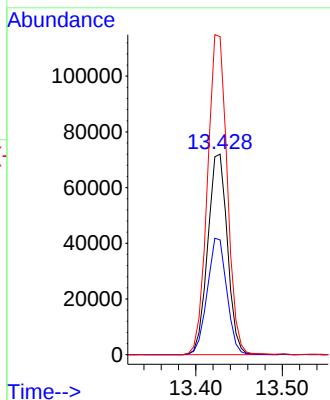
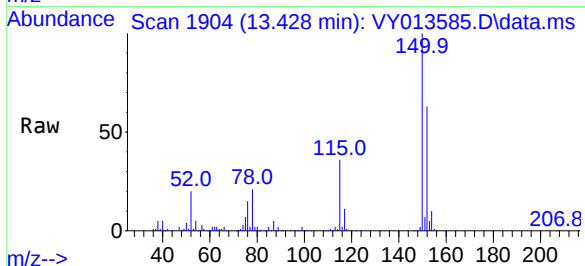




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

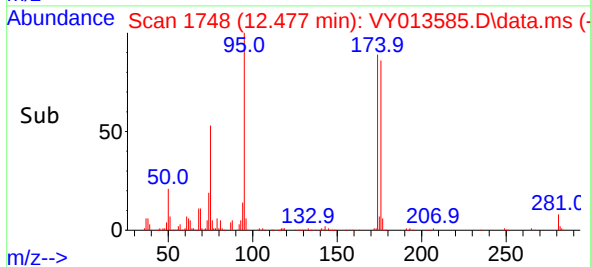
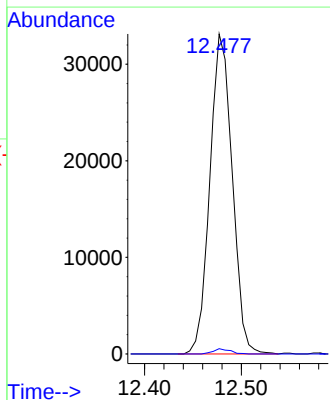
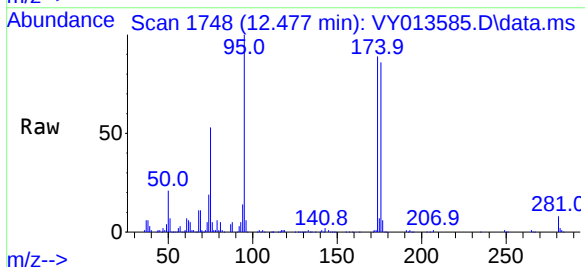
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-050223

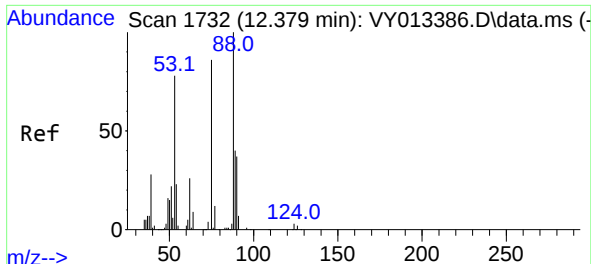
Tgt Ion:152 Resp: 113462
Ion Ratio Lower Upper
152 100
115 57.8 28.1 84.2
150 160.2 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 34.750 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Tgt Ion: 75 Resp: 53174
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

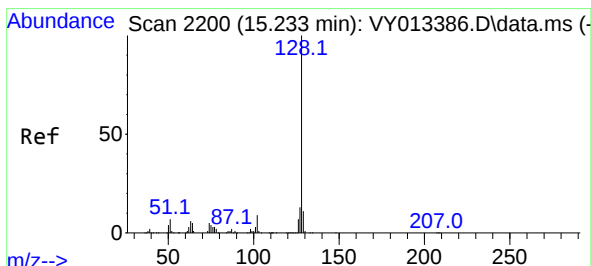
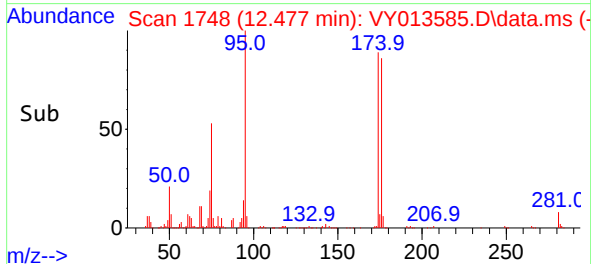
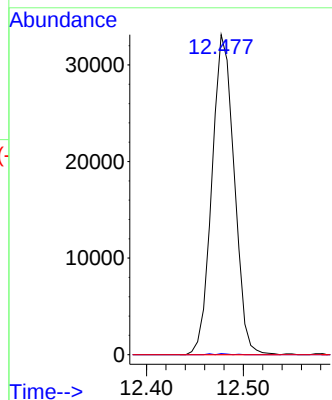
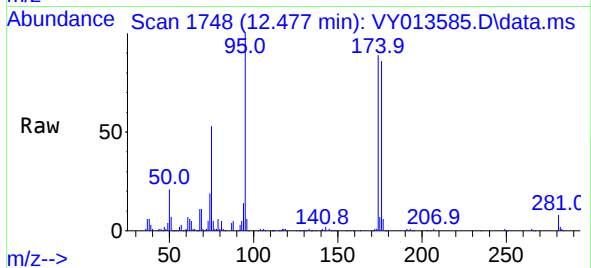




#81
trans-1,4-Dichloro-2-butene
Concen: 71.084 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-050223

Tgt Ion: 75 Resp: 53174
Ion Ratio Lower Upper
75 100
53 0.2 73.2 109.8#
89 0.0 38.0 57.0#



#95
Naphthalene
Concen: 6.846 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY013585.D
Acq: 03 May 2023 16:34

Tgt Ion:128 Resp: 31682
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 10.5 8.8 13.2

