

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013473.D
 Acq On : 26 Apr 2023 15:06
 Operator : KP/MD
 Sample : 02401-08
 Misc : 4.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230319-32-1

Quant Time: Apr 27 01:33:40 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)

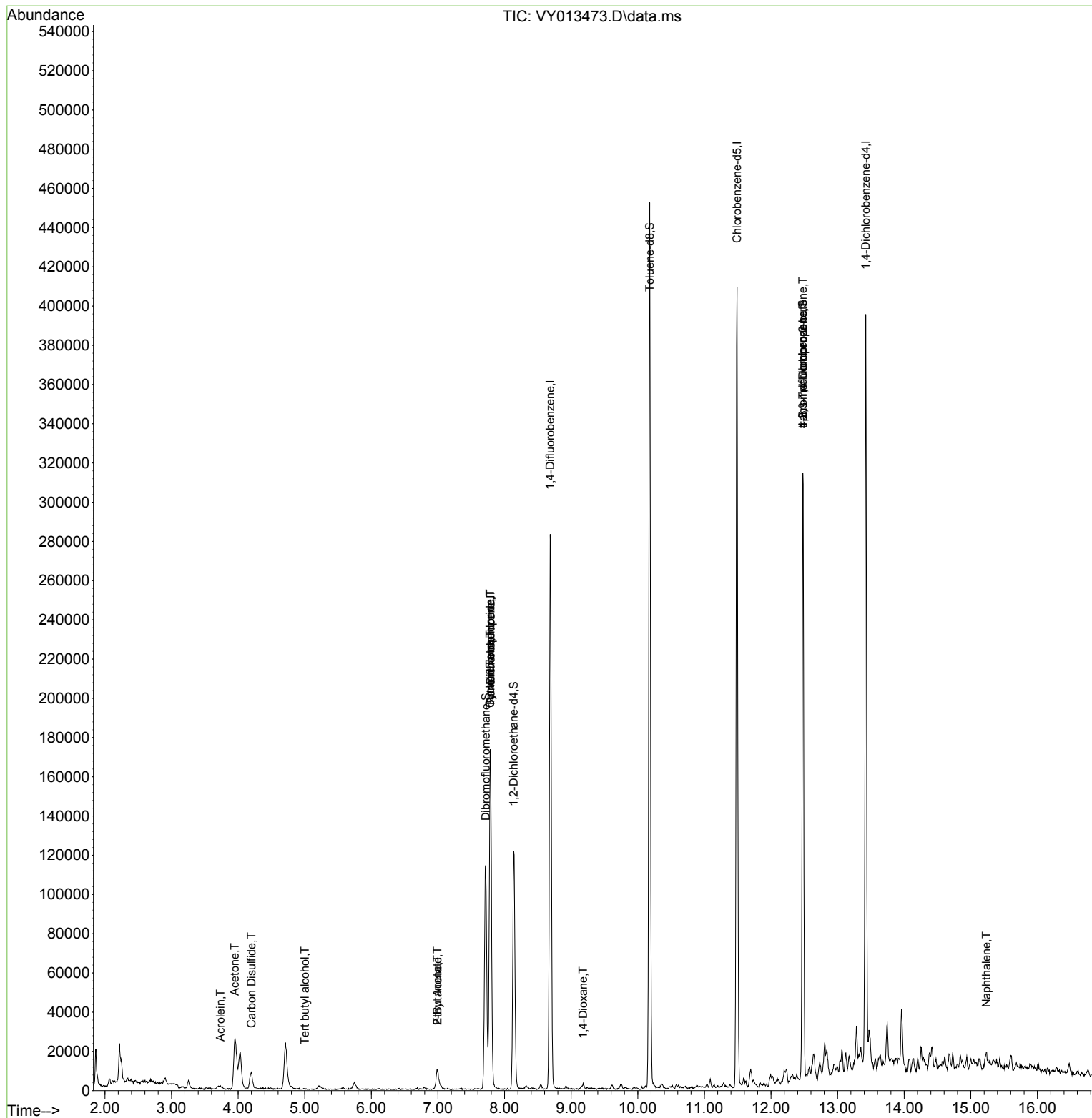
Internal Standards						
1) Pentafluorobenzene	7.789	168	128371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	221744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	204478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	87507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96253	68.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.800%	
35) Dibromofluoromethane	7.716	113	80786	57.925	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.840%	
50) Toluene-d8	10.179	98	276698	55.770	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.540%	
62) 4-Bromofluorobenzene	12.477	95	89720	53.641	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.003	59	124	1.430	ug/l #	89
13) Acrolein	3.735	56	1665	4.860	ug/l #	16
16) Acetone	3.948	43	59420	107.221	ug/l	91
17) Carbon Disulfide	4.198	76	16397	3.784	ug/l	99
25) 2-Butanone	6.990	43	19210	27.333	ug/l	90
31) Cyclohexane	7.783	56	3546	1.407	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	11178	4.829	ug/l #	49
37) Ethyl Acetate	6.990	43	19210	11.029	ug/l #	69
38) Carbon Tetrachloride	7.783	117	13379	5.515	ug/l #	17
49) 1,4-Dioxane	9.179	88	19	1.304	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	48770	41.326	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48770	84.534	ug/l #	13
95) Naphthalene	15.233	128	5205	1.458	ug/l #	92

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

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QLast Update : Tue Apr 25 02:39:58 2023
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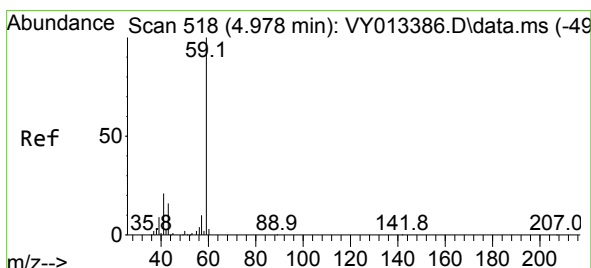
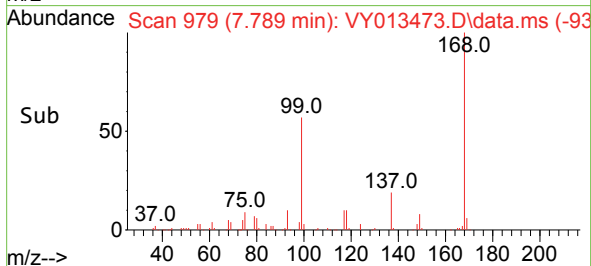
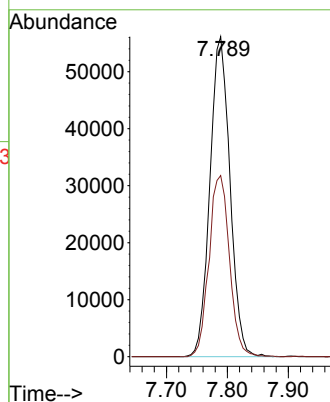
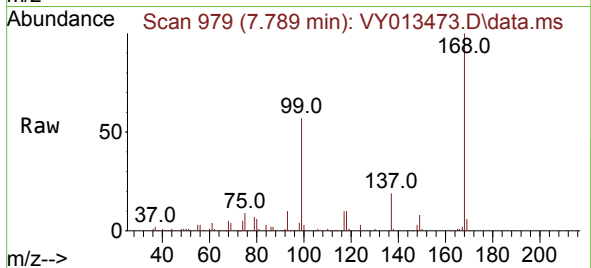




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

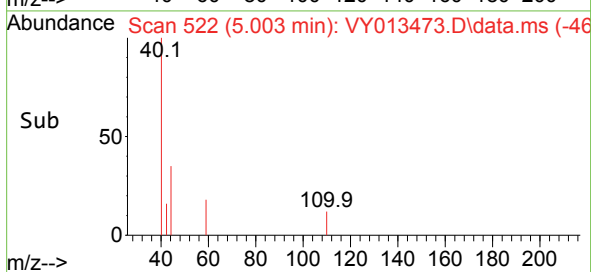
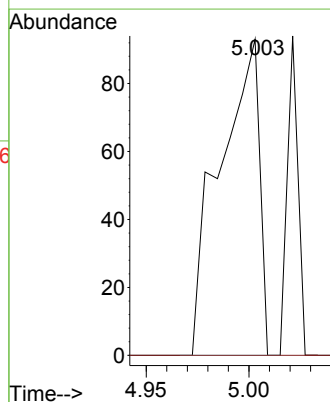
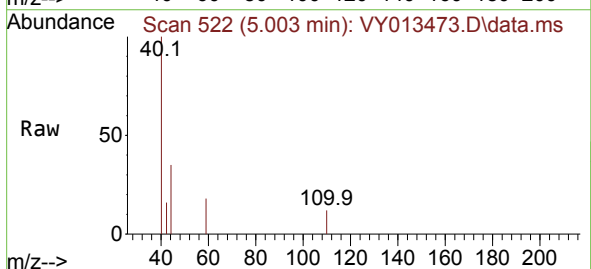
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MSVOA_Y
ClientSampleId :
20230319-32-1

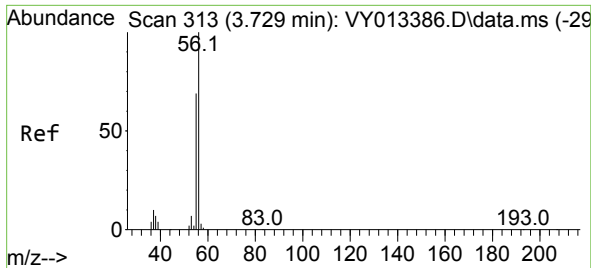
Tgt Ion:168 Resp: 128371
Ion Ratio Lower Upper
168 100
99 56.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.430 ug/l
RT: 5.003 min Scan# 522
Delta R.T. 0.025 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

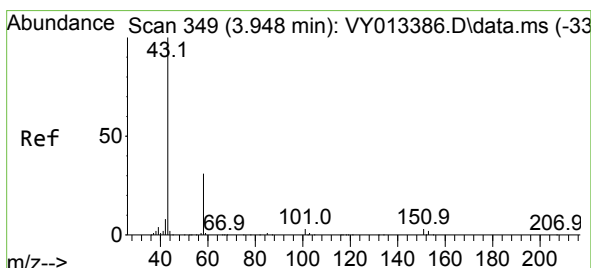
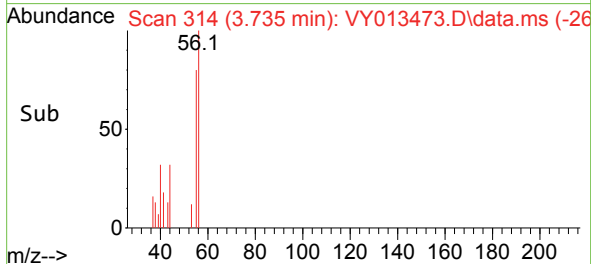
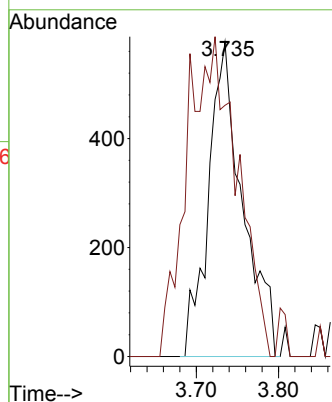
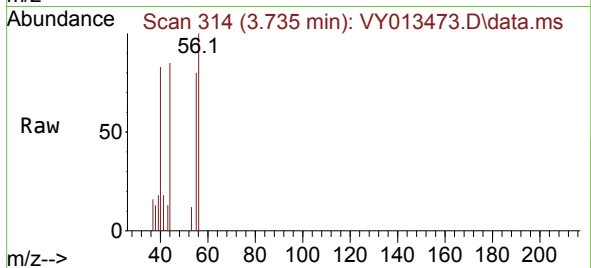




#13
Acrolein
Concen: 4.860 ug/l
RT: 3.735 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

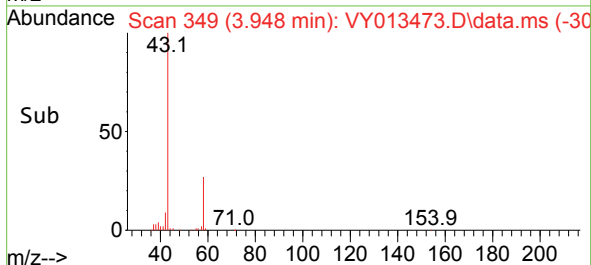
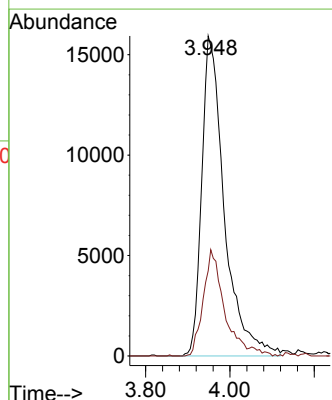
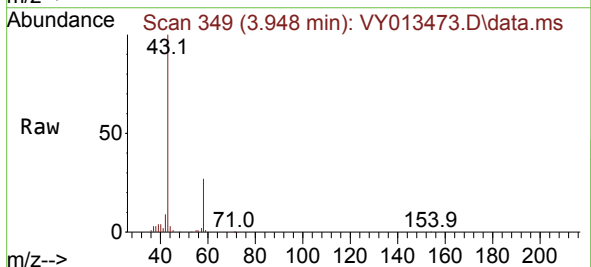
Instrument :
MSVOA_Y
ClientSampleId :
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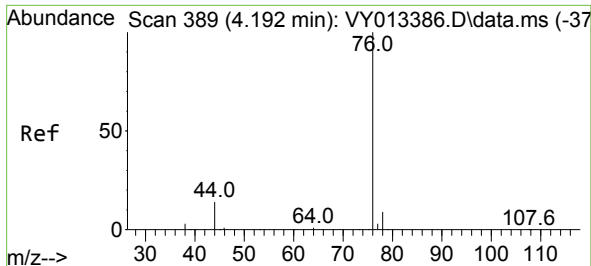
Tgt Ion: 56 Resp: 1665
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 107.221 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion: 43 Resp: 59420
Ion Ratio Lower Upper
43 100
58 26.6 25.4 38.0

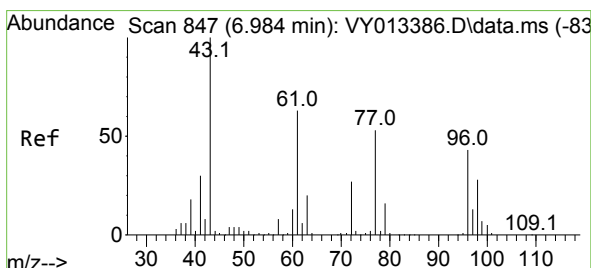
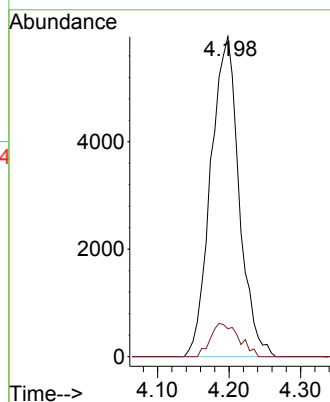
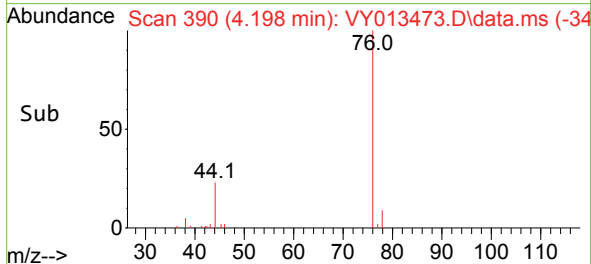
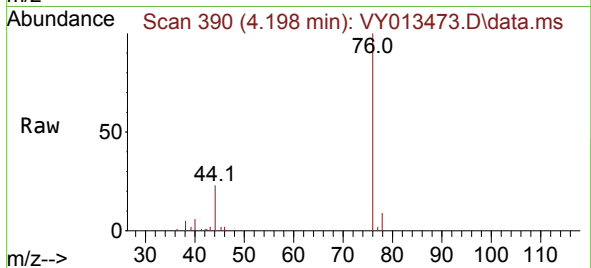




#17
Carbon Disulfide
Concen: 3.784 ug/l
RT: 4.198 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

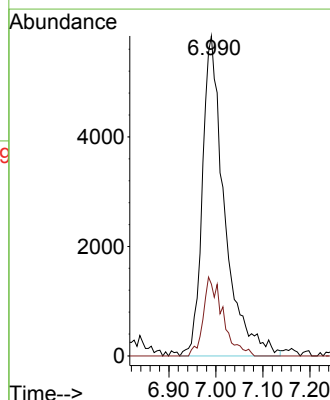
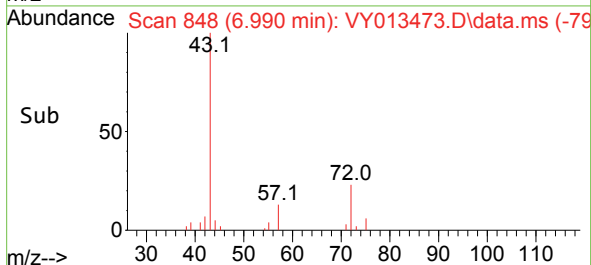
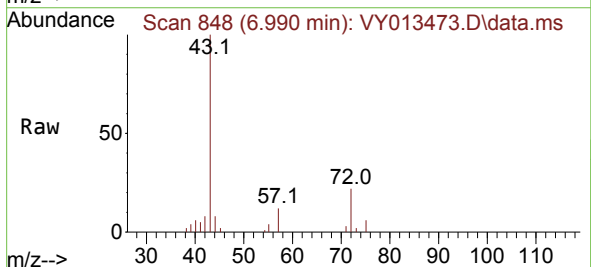
Instrument :
MSVOA_Y
ClientSampleId :
20230319-32-1

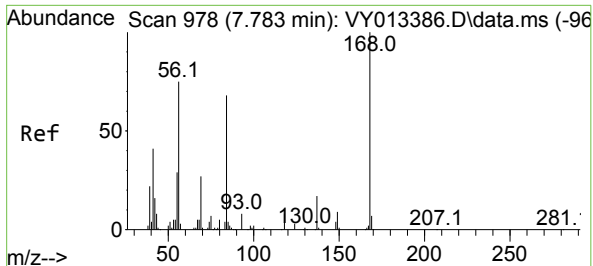
Tgt Ion: 76 Resp: 16397
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#25
2-Butanone
Concen: 27.333 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion: 43 Resp: 19210
Ion Ratio Lower Upper
43 100
72 22.4 21.9 32.9

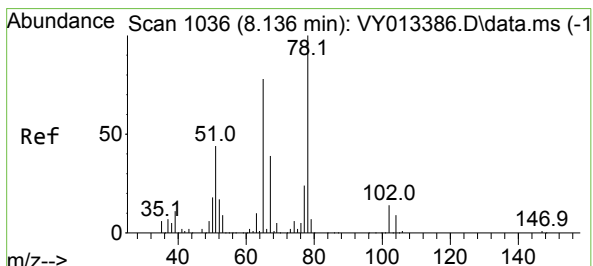
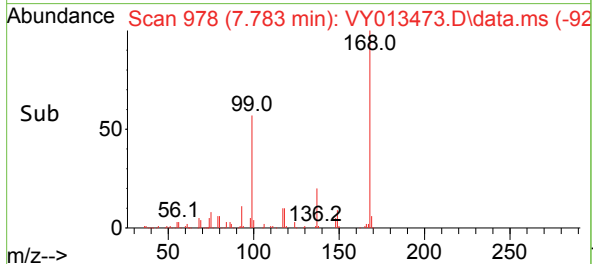
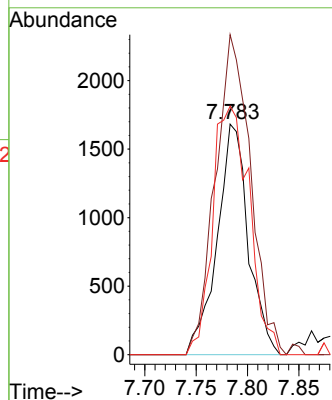
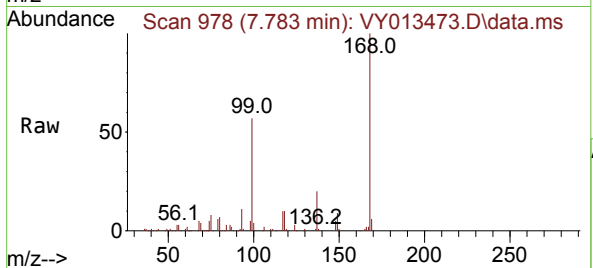




#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

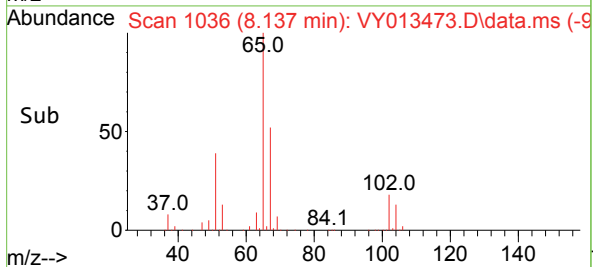
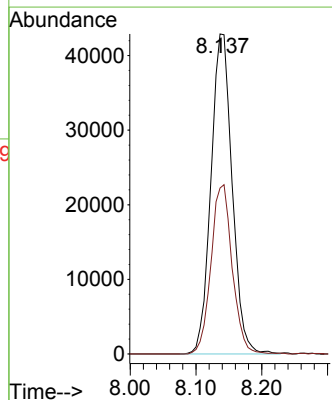
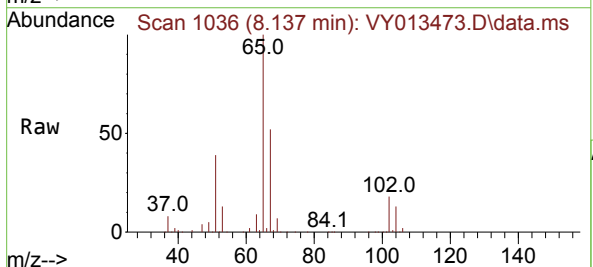
Instrument :
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ClientSampleId :
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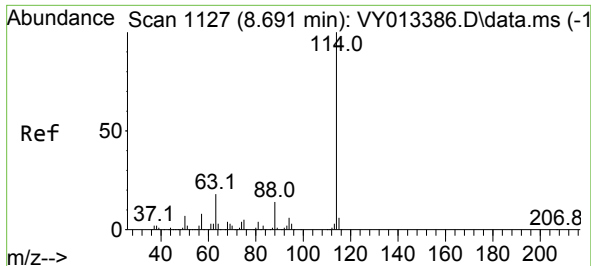
Tgt Ion: 56 Resp: 3546
Ion Ratio Lower Upper
56 100
69 138.7 29.2 43.8#
84 107.7 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 68.399 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion: 65 Resp: 96253
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

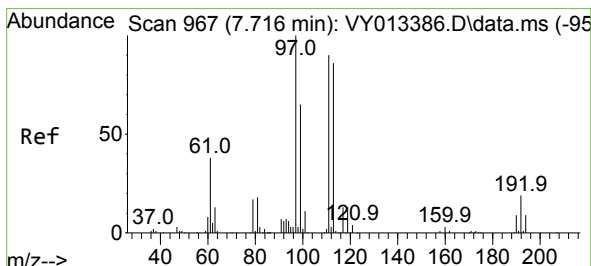
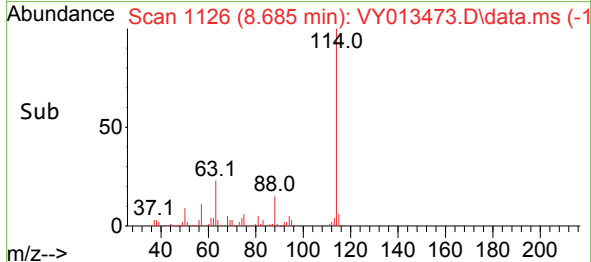
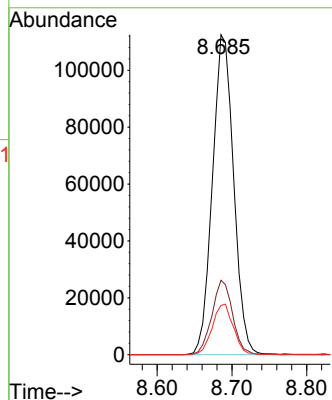
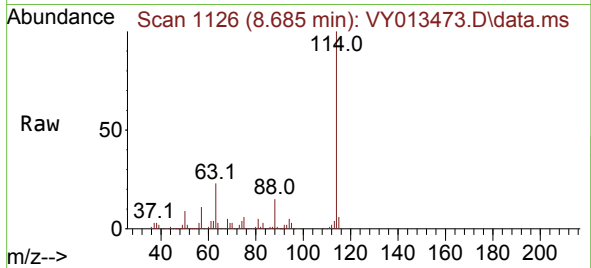




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

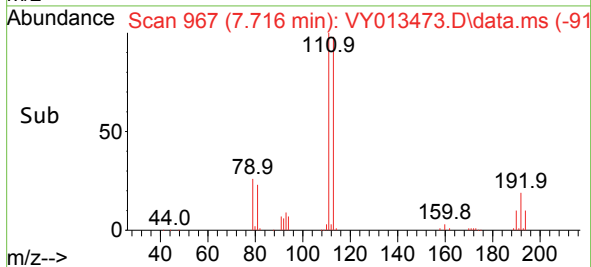
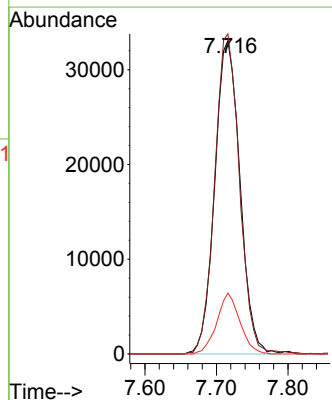
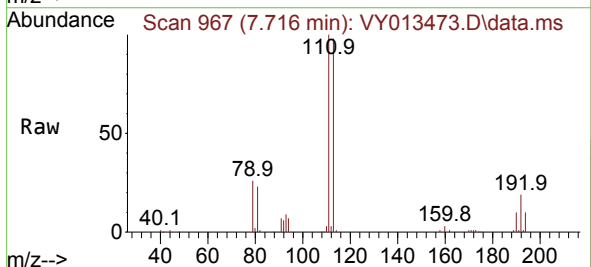
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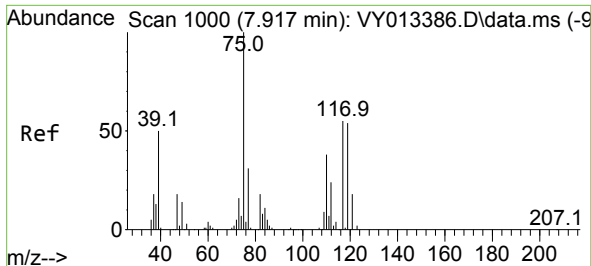
Tgt Ion:114 Resp: 221744
Ion Ratio Lower Upper
114 100
63 23.2 0.0 36.6
88 15.4 0.0 28.8



#35
Dibromofluoromethane
Concen: 57.925 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion:113 Resp: 80786
Ion Ratio Lower Upper
113 100
111 100.4 82.2 123.2
192 17.8 16.7 25.1

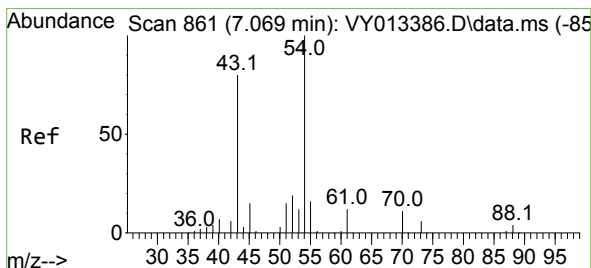
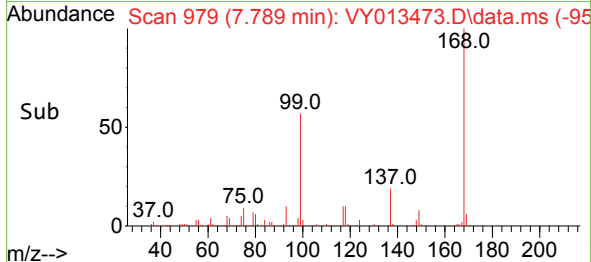
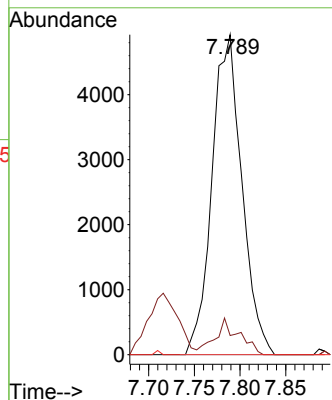
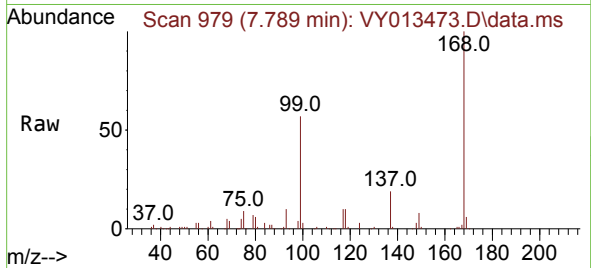




#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

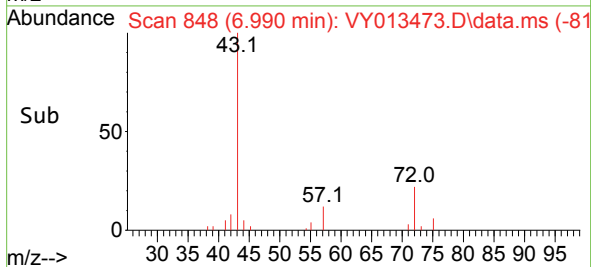
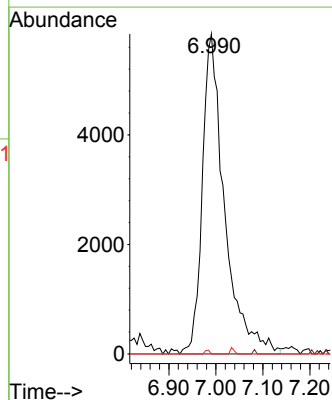
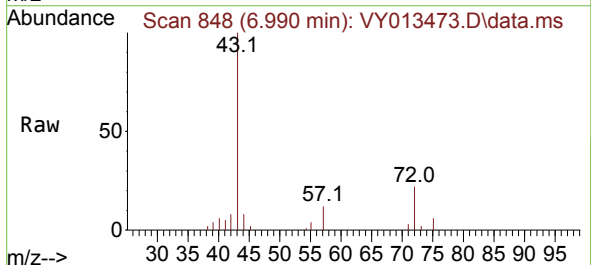
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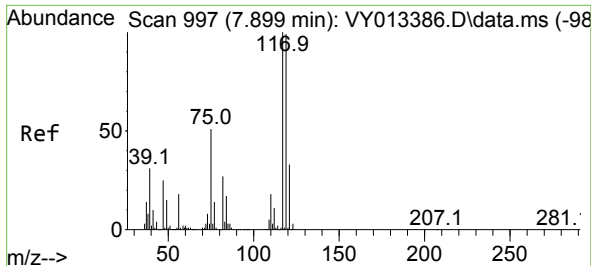
Tgt Ion: 75 Resp: 11178
Ion Ratio Lower Upper
75 100
110 9.0 18.7 56.1#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 11.029 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion: 43 Resp: 19210
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.3 7.9 11.9#

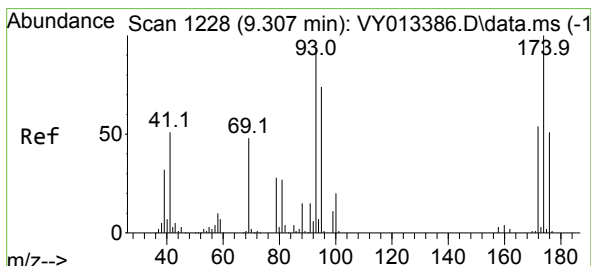
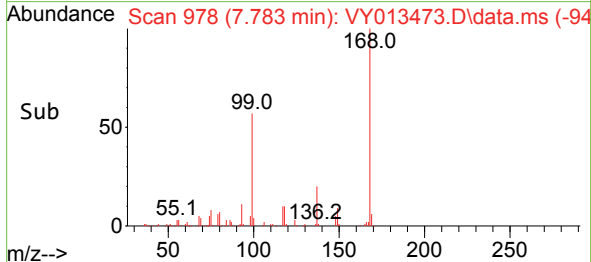
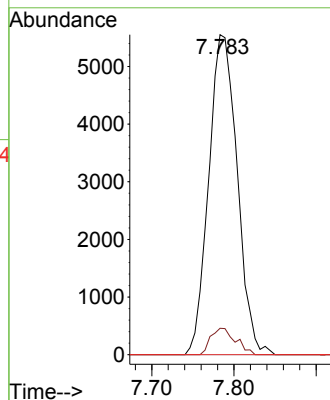
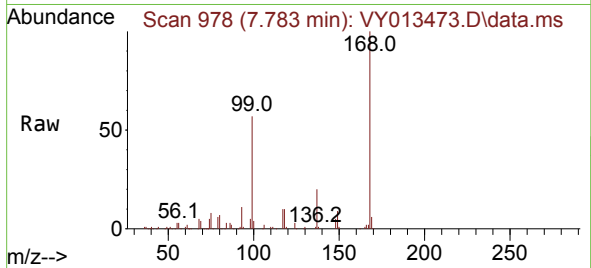




#38
Carbon Tetrachloride
Concen: 5.515 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

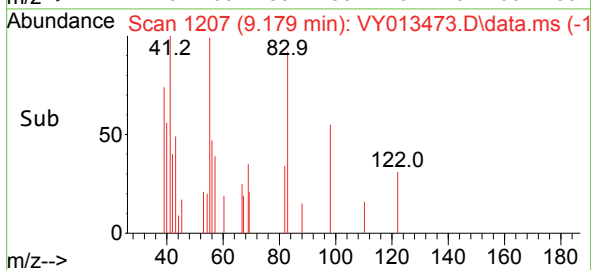
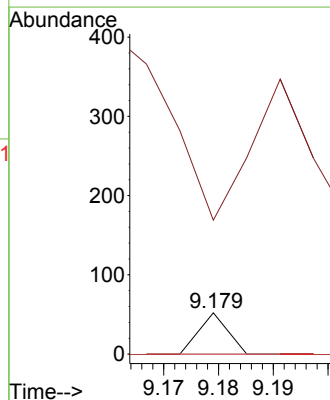
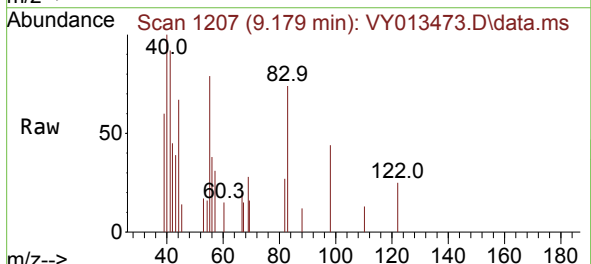
Instrument :
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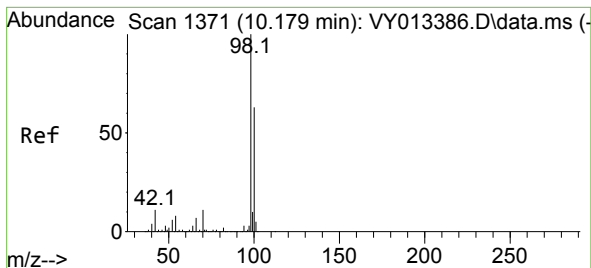
Tgt Ion:117 Resp: 13379
Ion Ratio Lower Upper
117 100
119 8.3 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 1.304 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.128 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2373.7 16.8 25.2#
58 0.0 54.3 81.5#

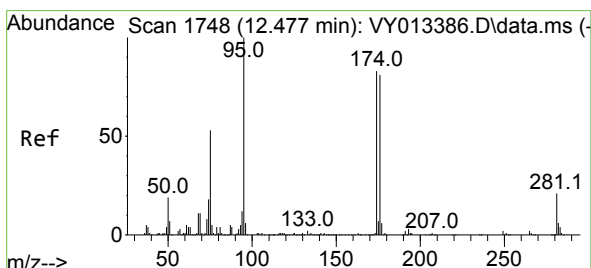
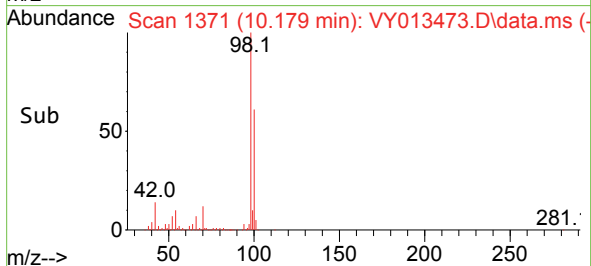
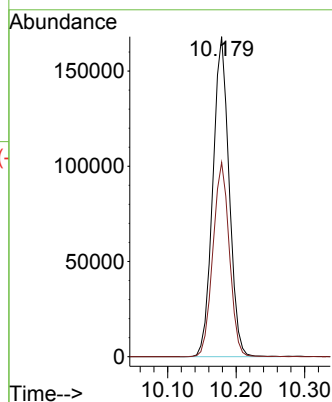
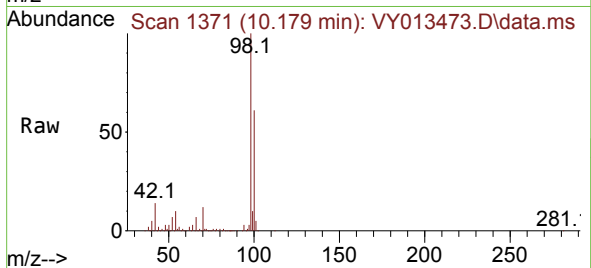




#50
Toluene-d8
Concen: 55.770 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

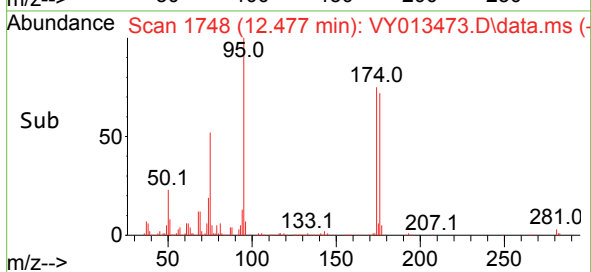
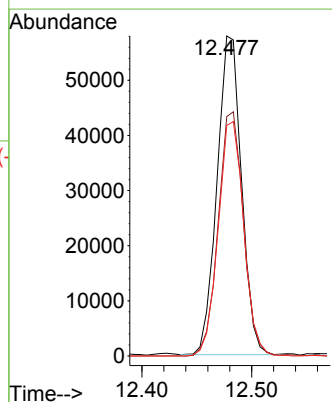
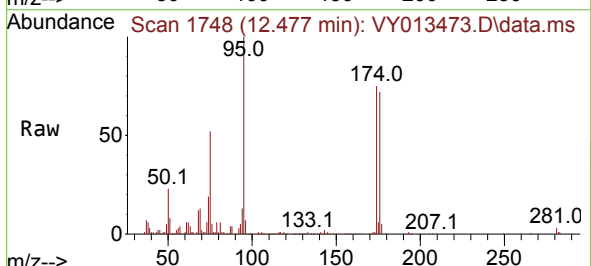
Instrument :
MSVOA_Y
ClientSampleId :
20230319-32-1

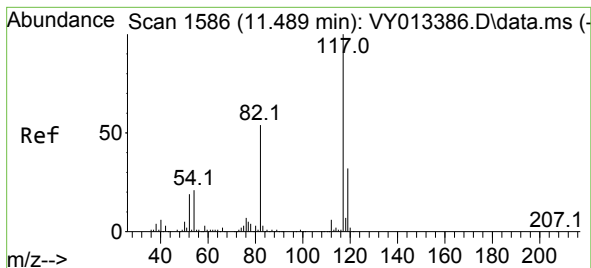
Tgt Ion: 98 Resp: 276698
Ion Ratio Lower Upper
98 100
100 61.2 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.641 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Tgt Ion: 95 Resp: 89720
Ion Ratio Lower Upper
95 100
174 79.2 0.0 182.0
176 76.7 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013473.D

Acq: 26 Apr 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

20230319-32-1

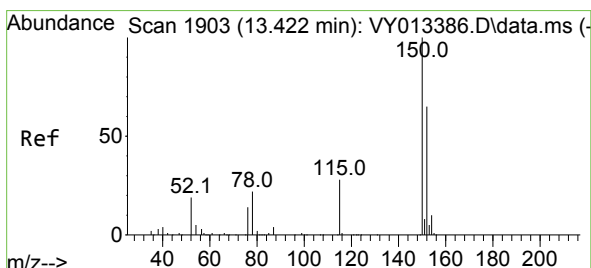
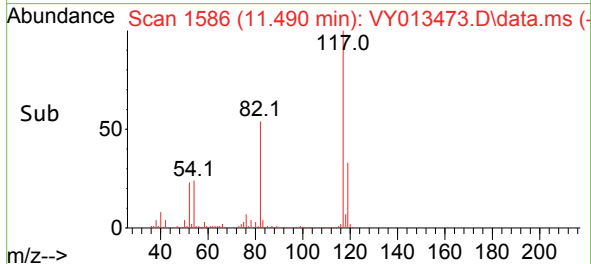
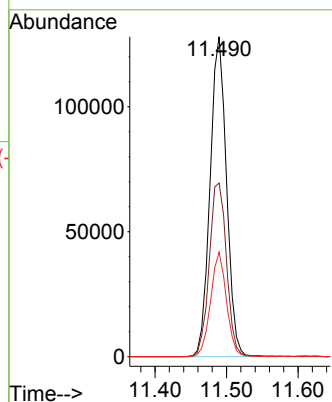
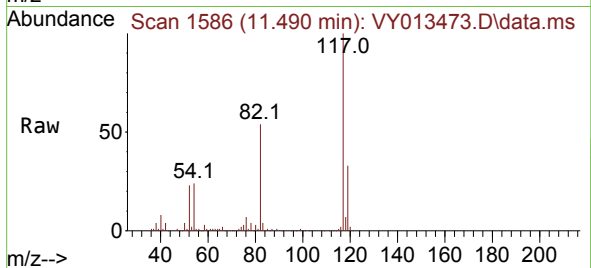
Tgt Ion:117 Resp: 204478

Ion Ratio Lower Upper

117 100

82 54.3 43.0 64.6

119 32.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013473.D

Acq: 26 Apr 2023 15:06

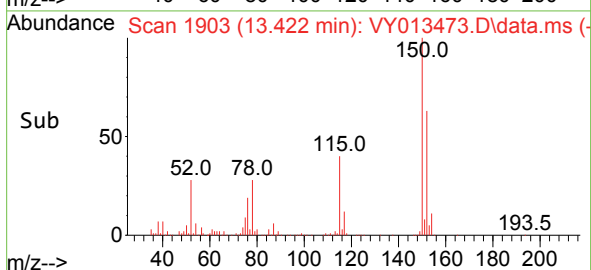
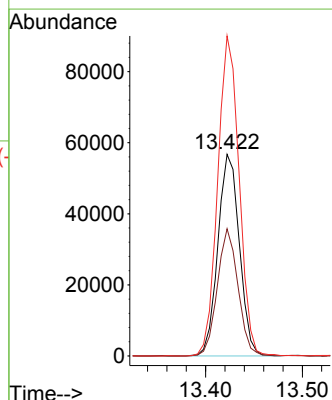
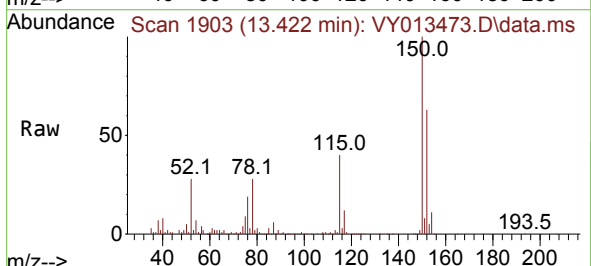
Tgt Ion:152 Resp: 87507

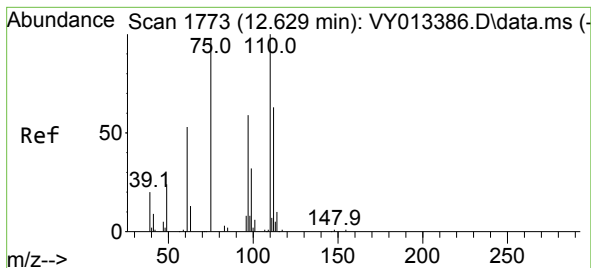
Ion Ratio Lower Upper

152 100

115 60.6 28.1 84.2

150 157.7 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 41.326 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013473.D

Acq: 26 Apr 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

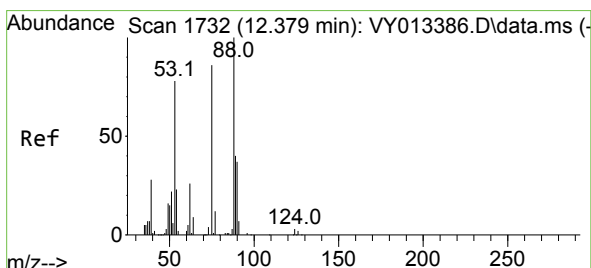
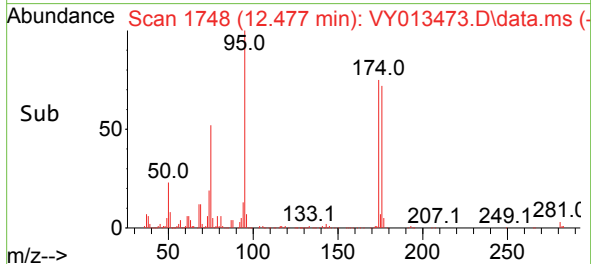
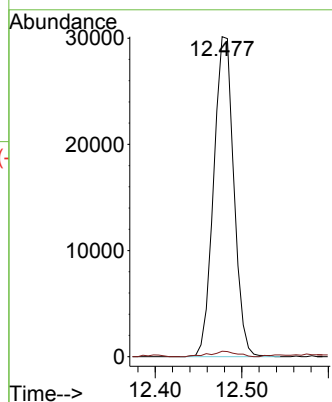
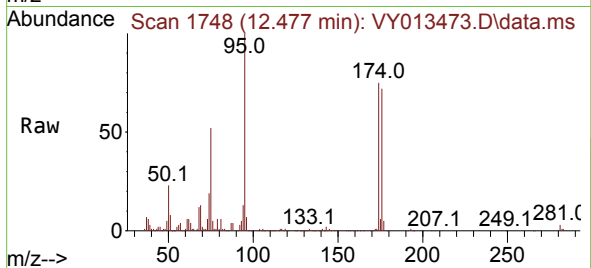
20230319-32-1

Tgt Ion: 75 Resp: 48770

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.534 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY013473.D

Acq: 26 Apr 2023 15:06

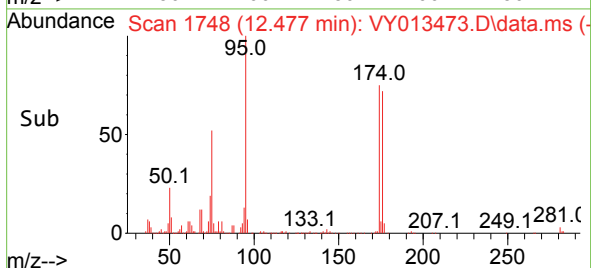
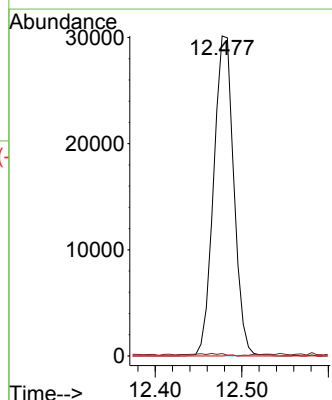
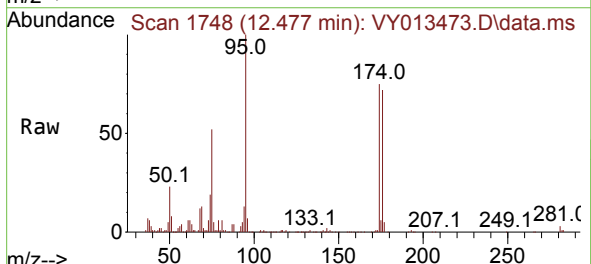
Tgt Ion: 75 Resp: 48770

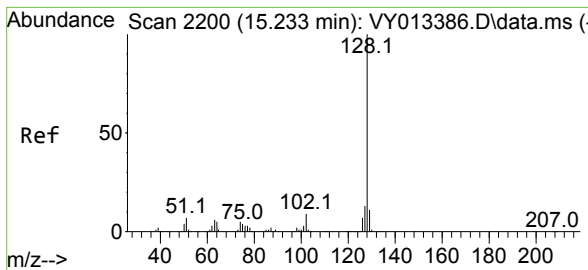
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

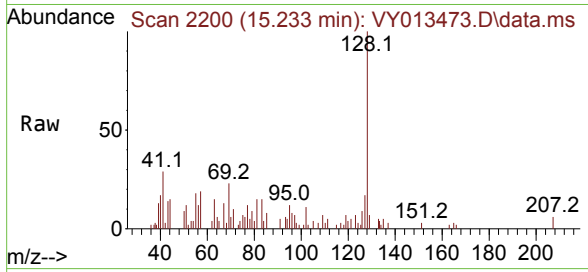
89 0.1 38.0 57.0#





#95
Naphthalene
Concen: 1.458 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013473.D
Acq: 26 Apr 2023 15:06

Instrument :
MSVOA_Y
ClientSampleId :
20230319-32-1



Tgt Ion:128 Resp: 5205
Ion Ratio Lower Upper
128 100
127 16.6 10.7 16.1#
129 7.8 8.8 13.2#

