

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008970.D
 Acq On : 22 May 2022 00:44
 Operator : KP/MD
 Sample : N2919-23
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P015-SS004-0006-01

Quant Time: May 22 02:42:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

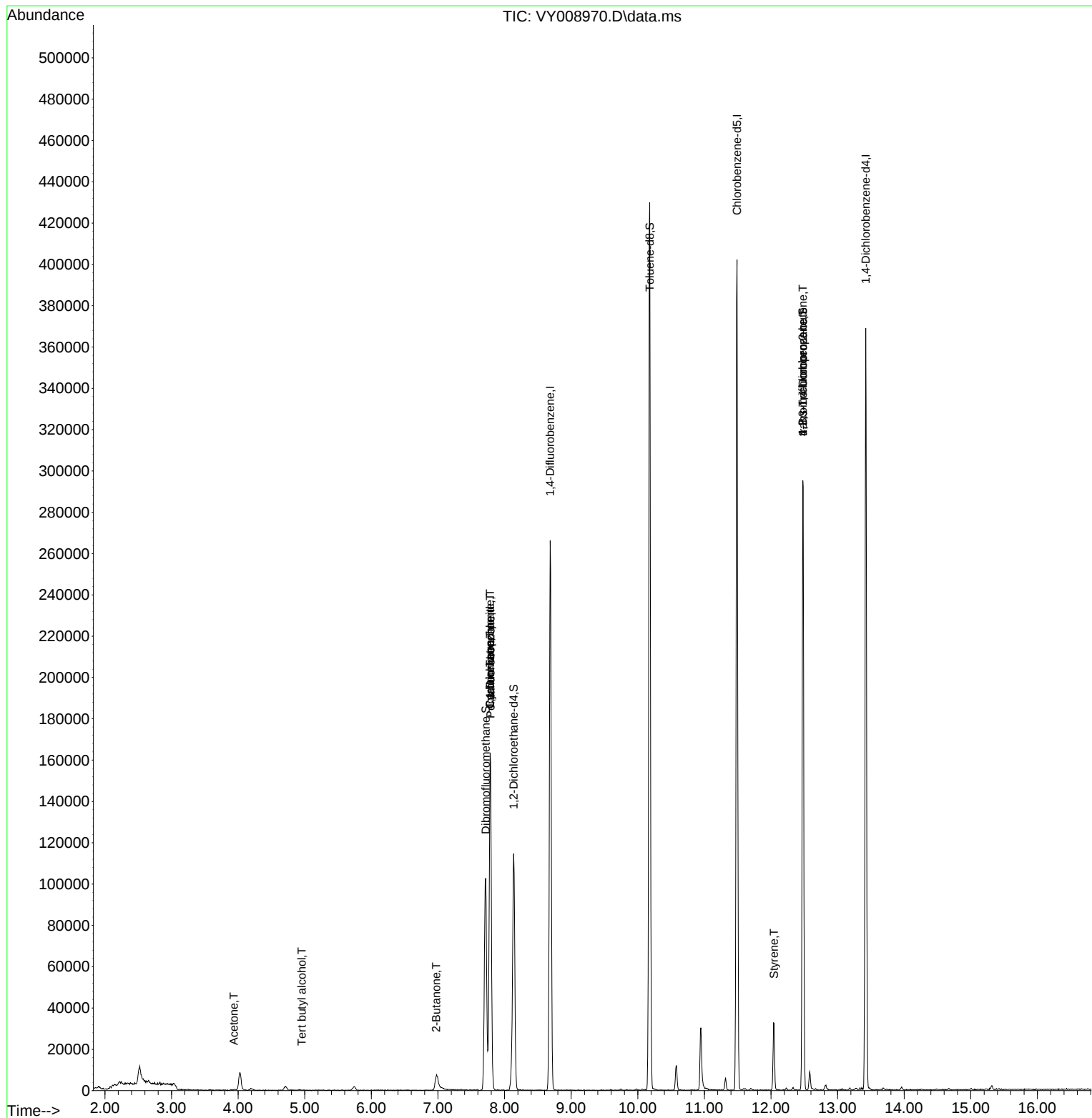
Internal Standards						
1) Pentafluorobenzene	7.789	168	123739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	221489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	209728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	87933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	81795	64.228	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 128.460%		
35) Dibromofluoromethane	7.716	113	71871	52.182	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 104.360%		
50) Toluene-d8	10.179	98	277558	54.626	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 109.260%		
62) 4-Bromofluorobenzene	12.477	95	80317	39.185	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 78.380%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	132	1.022	ug/l #	77
16) Acetone	3.936	43	385	1.452	ug/l #	53
20) Methylene Chloride	4.710	84	1315	Below Cal	#	75
25) 2-Butanone	6.972	43	593	1.252	ug/l #	54
31) Cyclohexane	7.783	56	3340	1.341	ug/l #	41
36) 1,1-Dichloropropene	7.783	75	10381	4.429	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12624	5.149	ug/l #	15
70) Styrene	12.044	104	15193	2.701	ug/l #	86
76) 1,2,3-Trichloropropane	12.477	75	46871	49.636	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46871	101.878	ug/l #	7

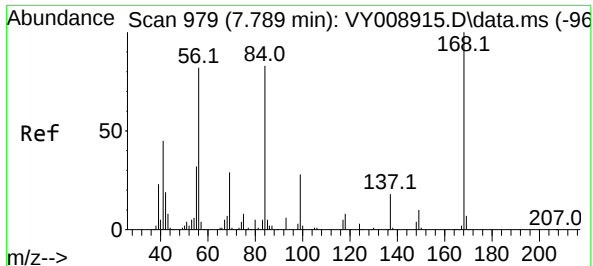
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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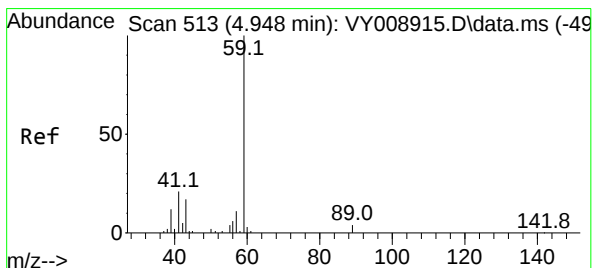
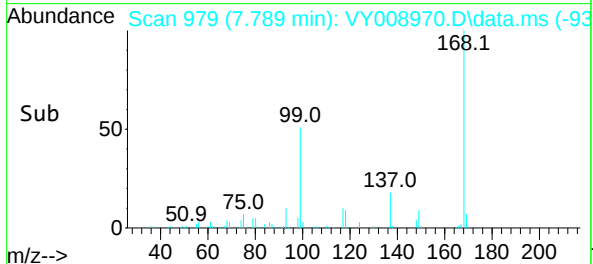
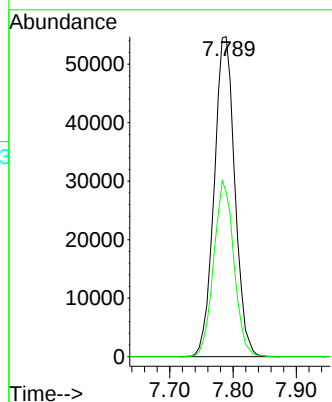
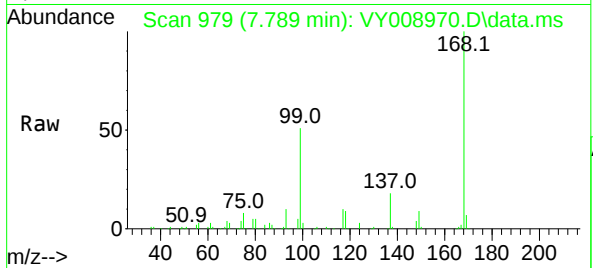




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

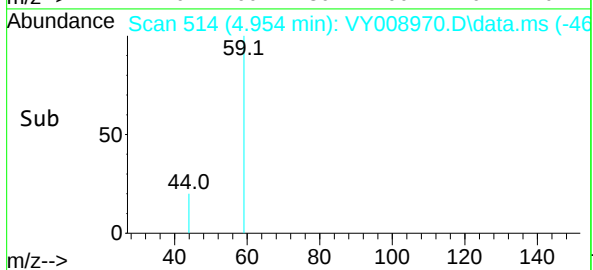
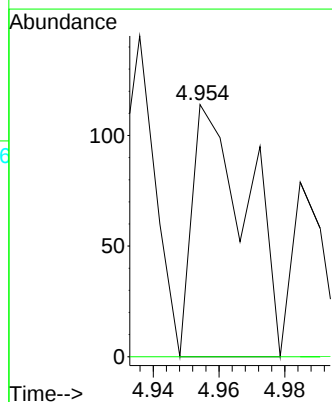
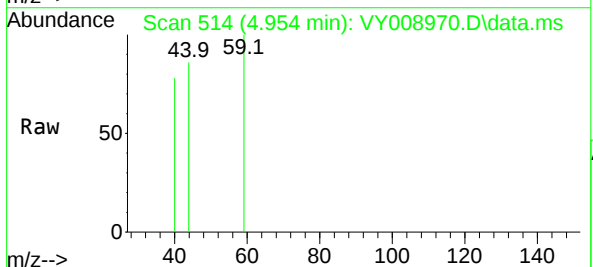
Instrument :
MSVOA_Y
ClientSampleId :
P015-SS004-0006-01

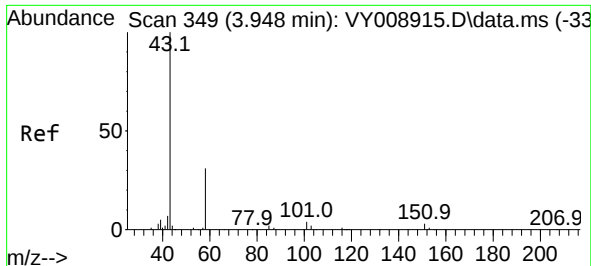
Tgt Ion:168 Resp: 123739
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.022 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

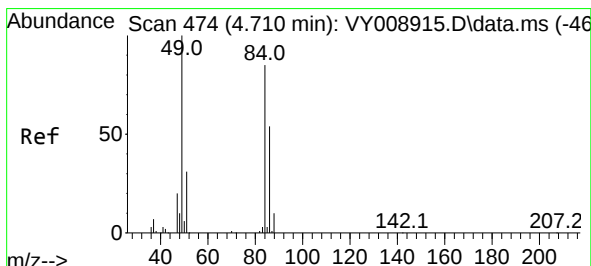
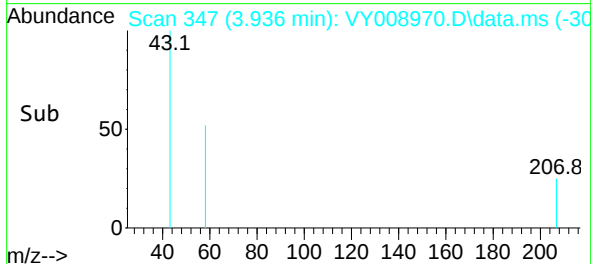
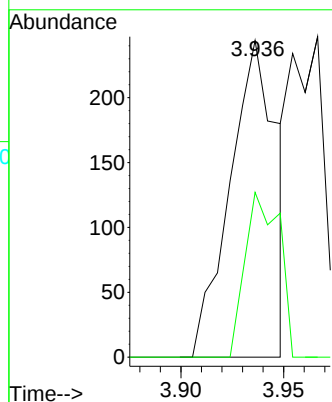
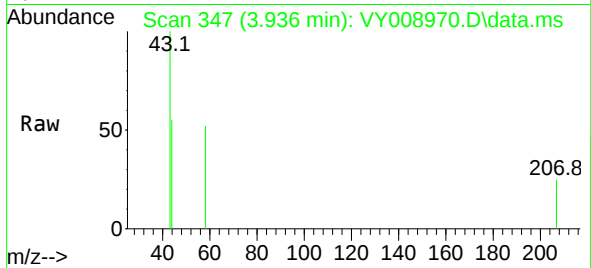




#16
Acetone
Concen: 1.452 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

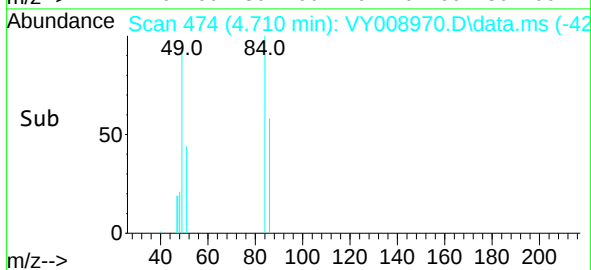
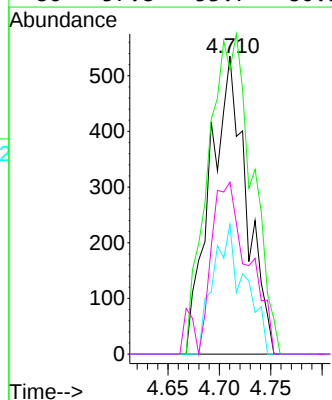
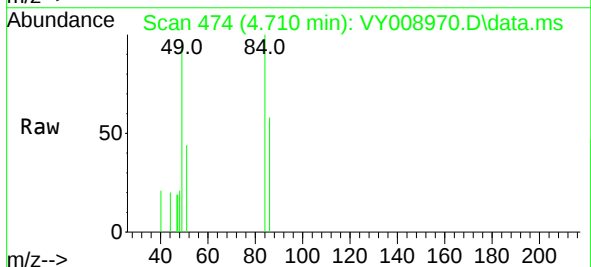
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ClientSampleId :
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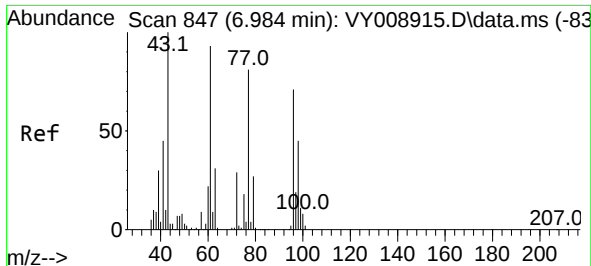
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 52.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion: 84 Resp: 1315
Ion Ratio Lower Upper
84 100
49 95.5 114.4 171.6#
51 43.6 35.3 52.9
86 57.8 53.7 80.5

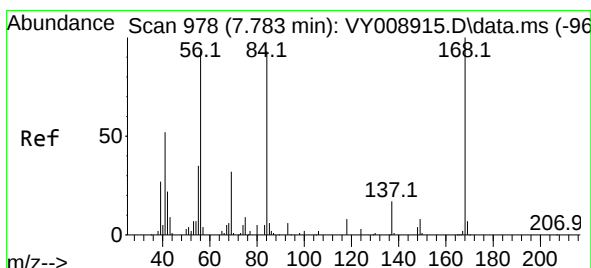
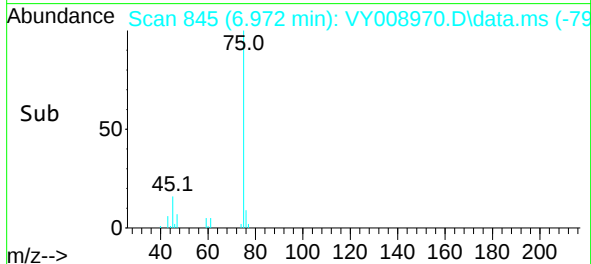
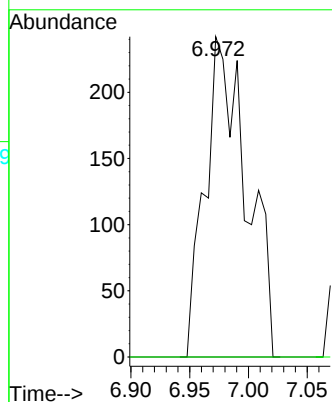
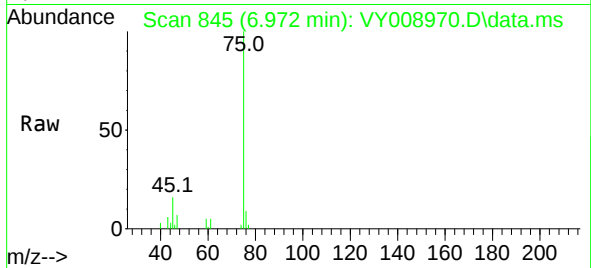




#25
2-Butanone
Concen: 1.252 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

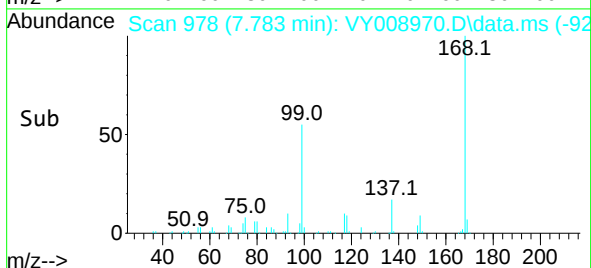
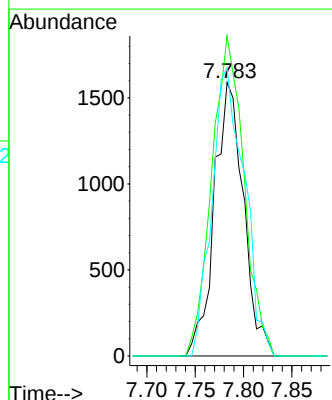
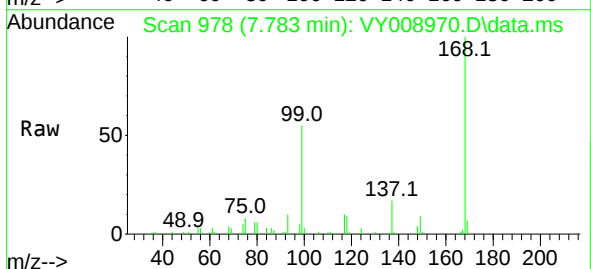
Instrument :
MSVOA_Y
ClientSampleId :
P015-SS004-0006-01

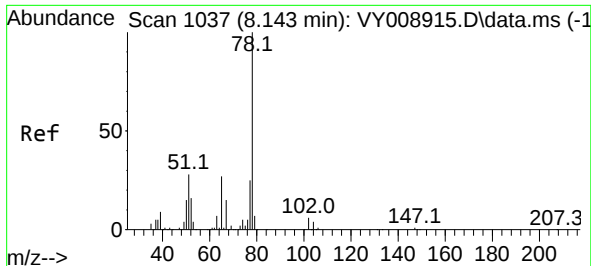
Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion: 56 Resp: 3340
Ion Ratio Lower Upper
56 100
69 117.1 26.7 40.1#
84 105.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.228 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008970.D

Acq: 22 May 2022 00:44

Instrument :

MSVOA_Y

ClientSampleId :

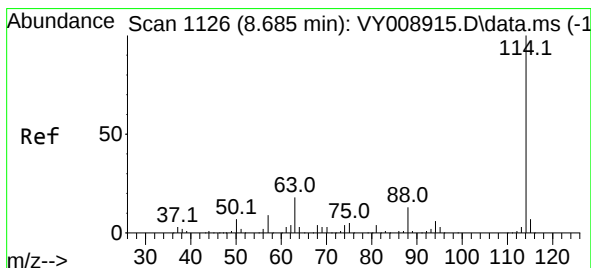
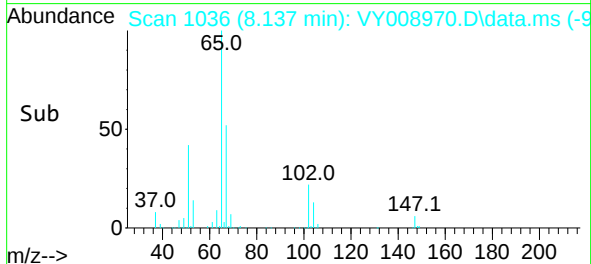
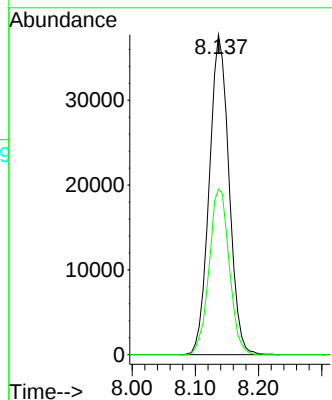
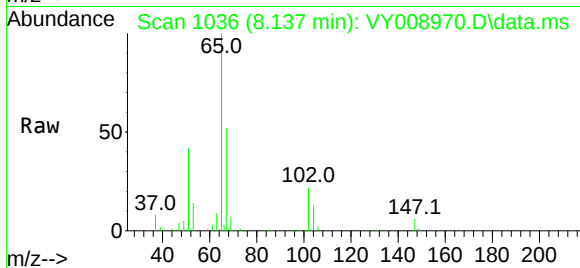
P015-SS004-0006-01

Tgt Ion: 65 Resp: 81795

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY008970.D

Acq: 22 May 2022 00:44

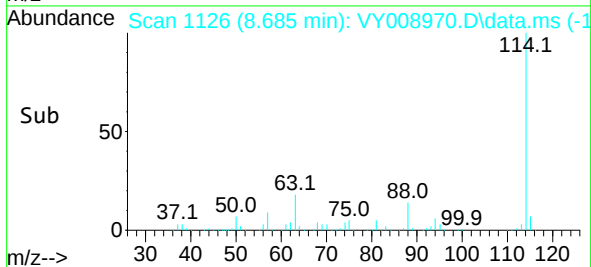
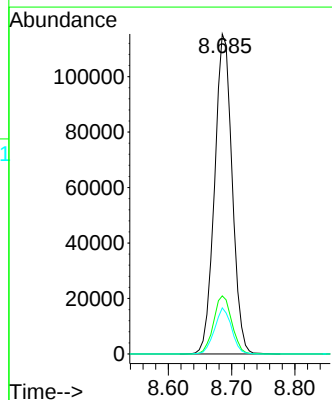
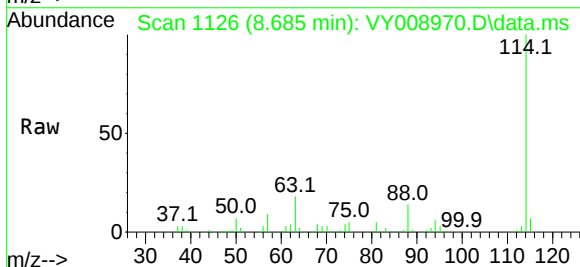
Tgt Ion: 114 Resp: 221489

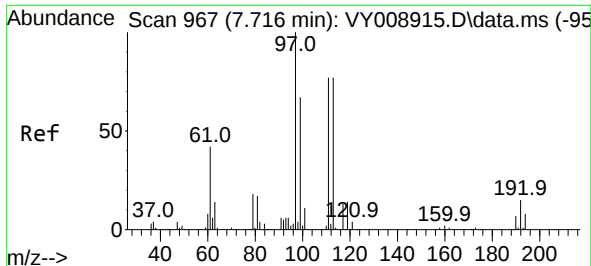
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.4 0.0 31.8

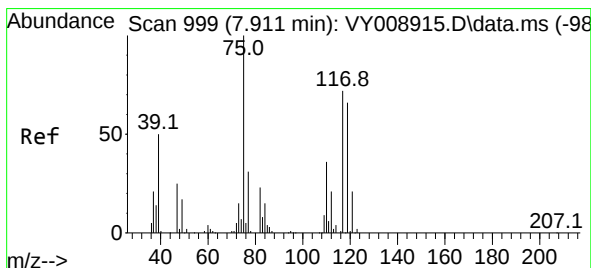
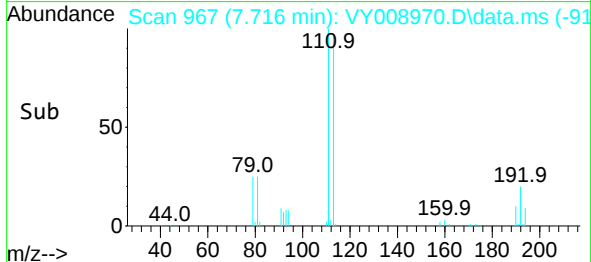
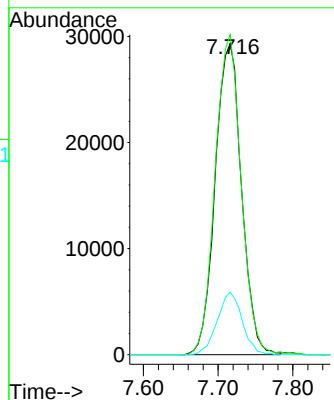
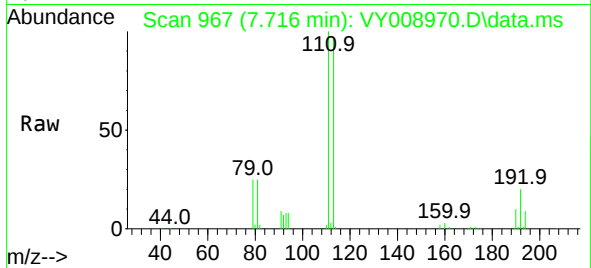




#35
Dibromofluoromethane
Concen: 52.182 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

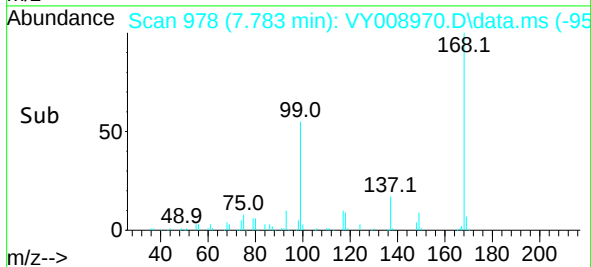
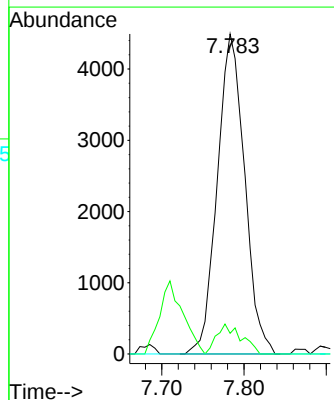
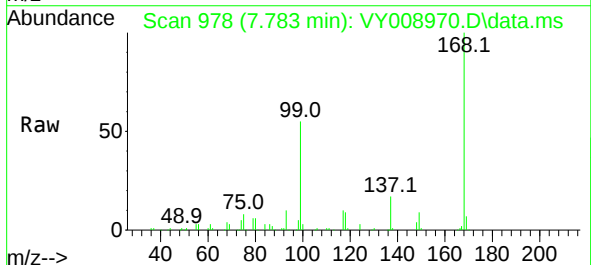
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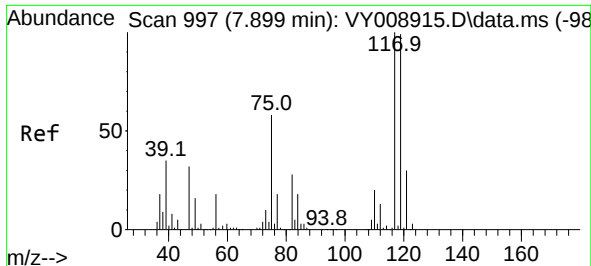
Tgt Ion:113 Resp: 71871
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion: 75 Resp: 10381
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

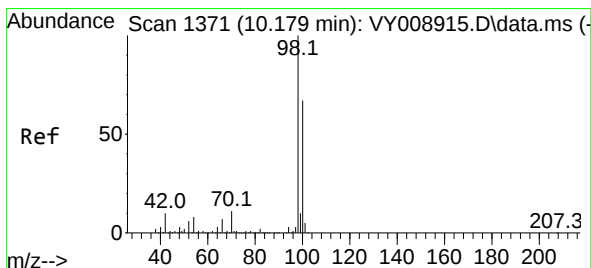
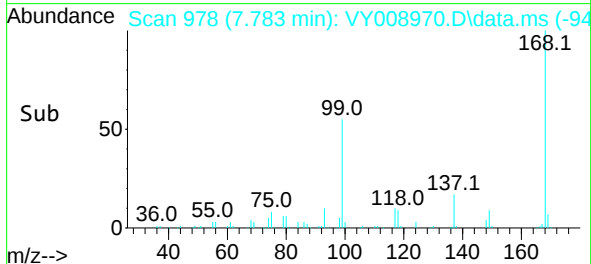
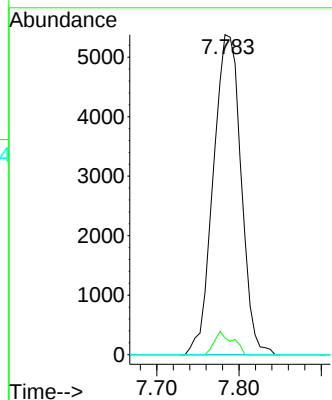
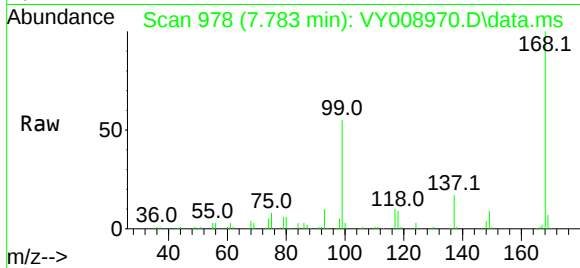




#38
Carbon Tetrachloride
Concen: 5.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

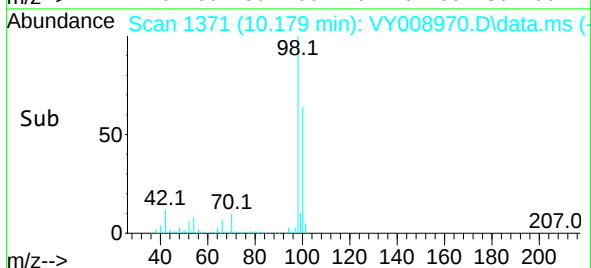
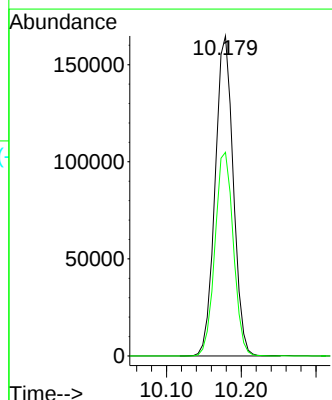
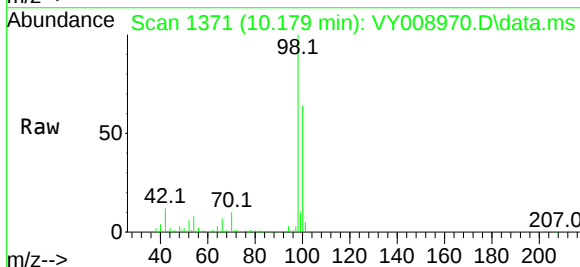
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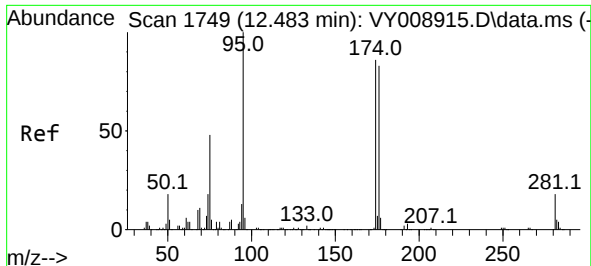
Tgt Ion:117 Resp: 12624
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.626 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion: 98 Resp: 277558
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

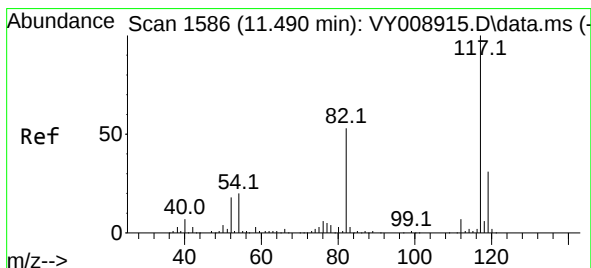
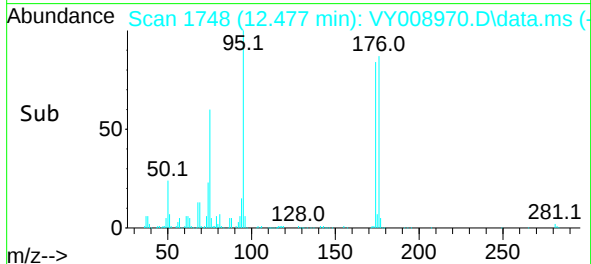
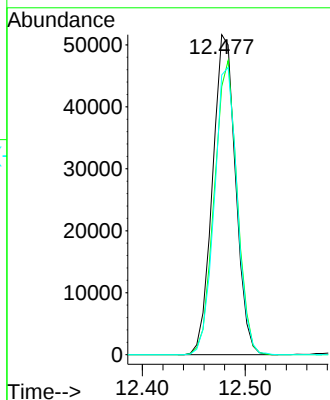
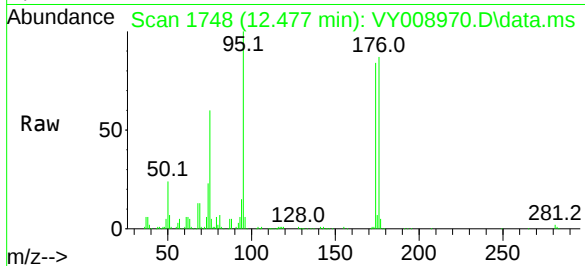




#62
4-Bromofluorobenzene
Concen: 39.185 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

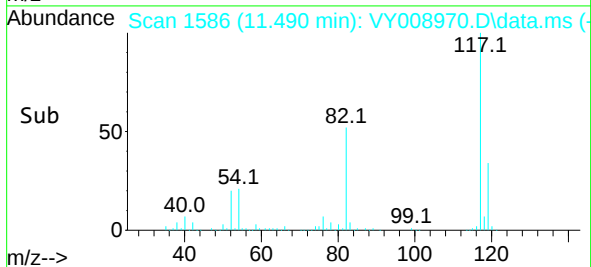
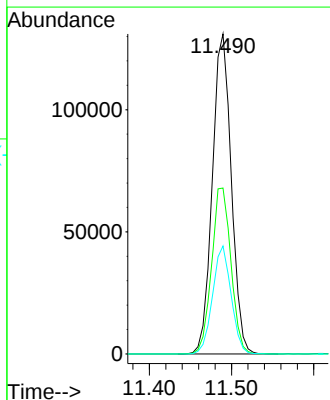
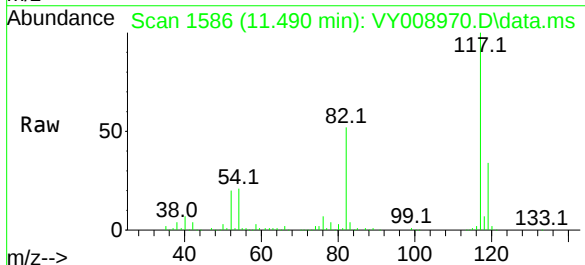
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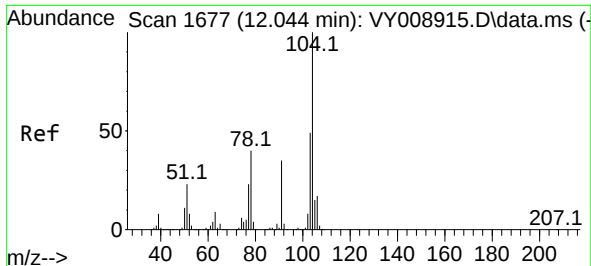
Tgt Ion: 95 Resp: 80317
Ion Ratio Lower Upper
95 100
174 90.8 0.0 177.0
176 89.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion: 117 Resp: 209728
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 33.7 25.4 38.0

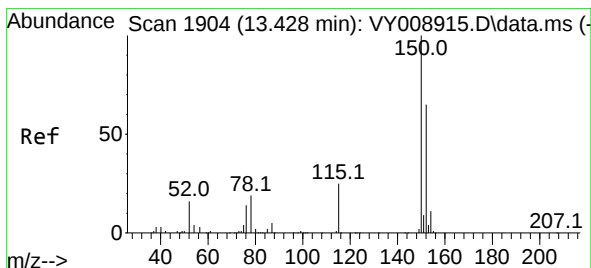
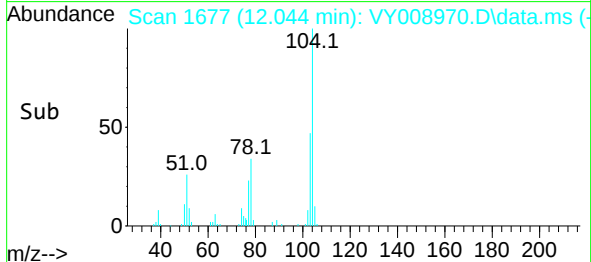
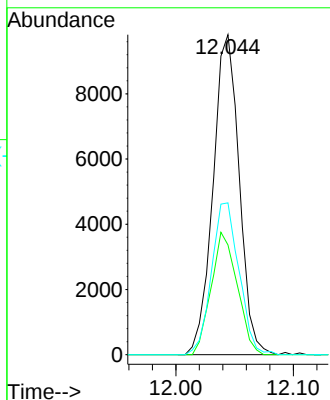
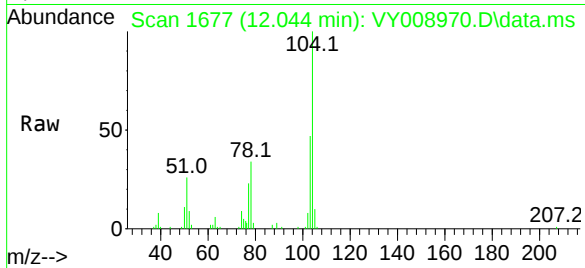




#70
Styrene
Concen: 2.701 ug/l
RT: 12.044 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

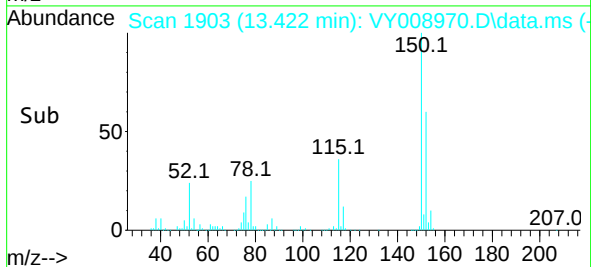
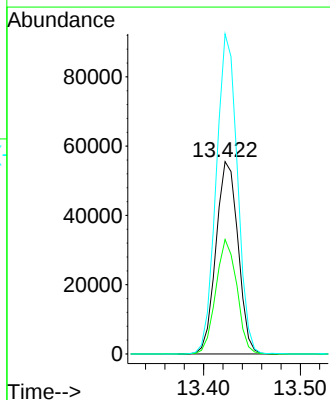
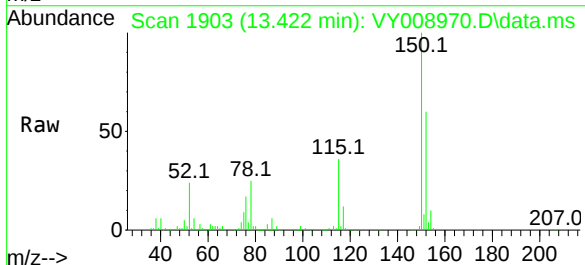
Instrument :
MSVOA_Y
ClientSampleId :
P015-SS004-0006-01

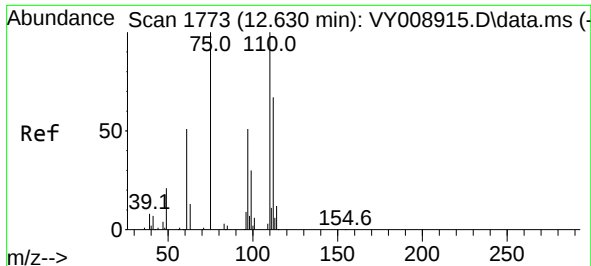
Tgt Ion:104 Resp: 15193
Ion Ratio Lower Upper
104 100
78 38.1 42.4 63.6#
103 50.0 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion:152 Resp: 87933
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 160.0 0.0 347.6

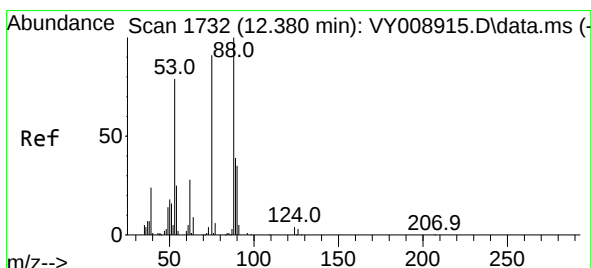
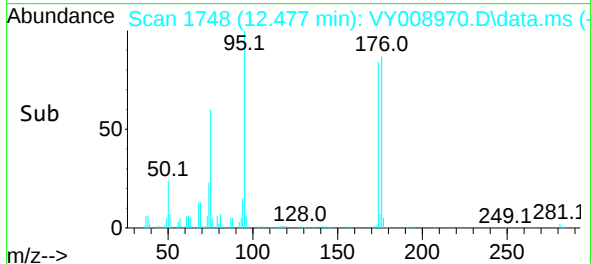
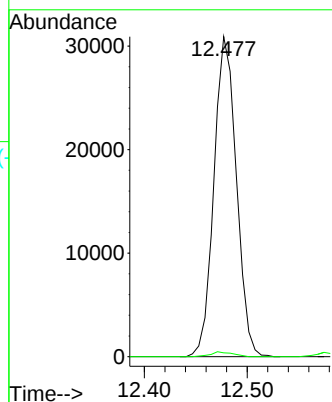
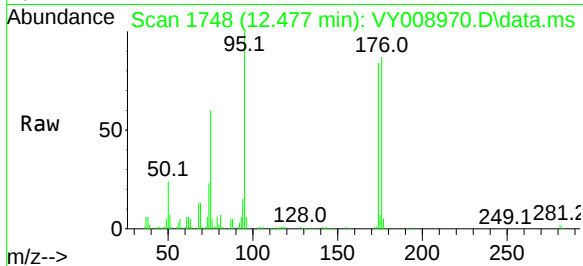




#76
1,2,3-Trichloropropane
Concen: 49.636 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Instrument :
MSVOA_Y
ClientSampleId :
P015-SS004-0006-01

Tgt Ion: 75 Resp: 46871
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.878 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY008970.D
Acq: 22 May 2022 00:44

Tgt Ion: 75 Resp: 46871
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

