

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008424.D
 Acq On : 20 Apr 2022 17:28
 Operator : KP/MD
 Sample : N2476-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-03-041922

Quant Time: Apr 21 02:40:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

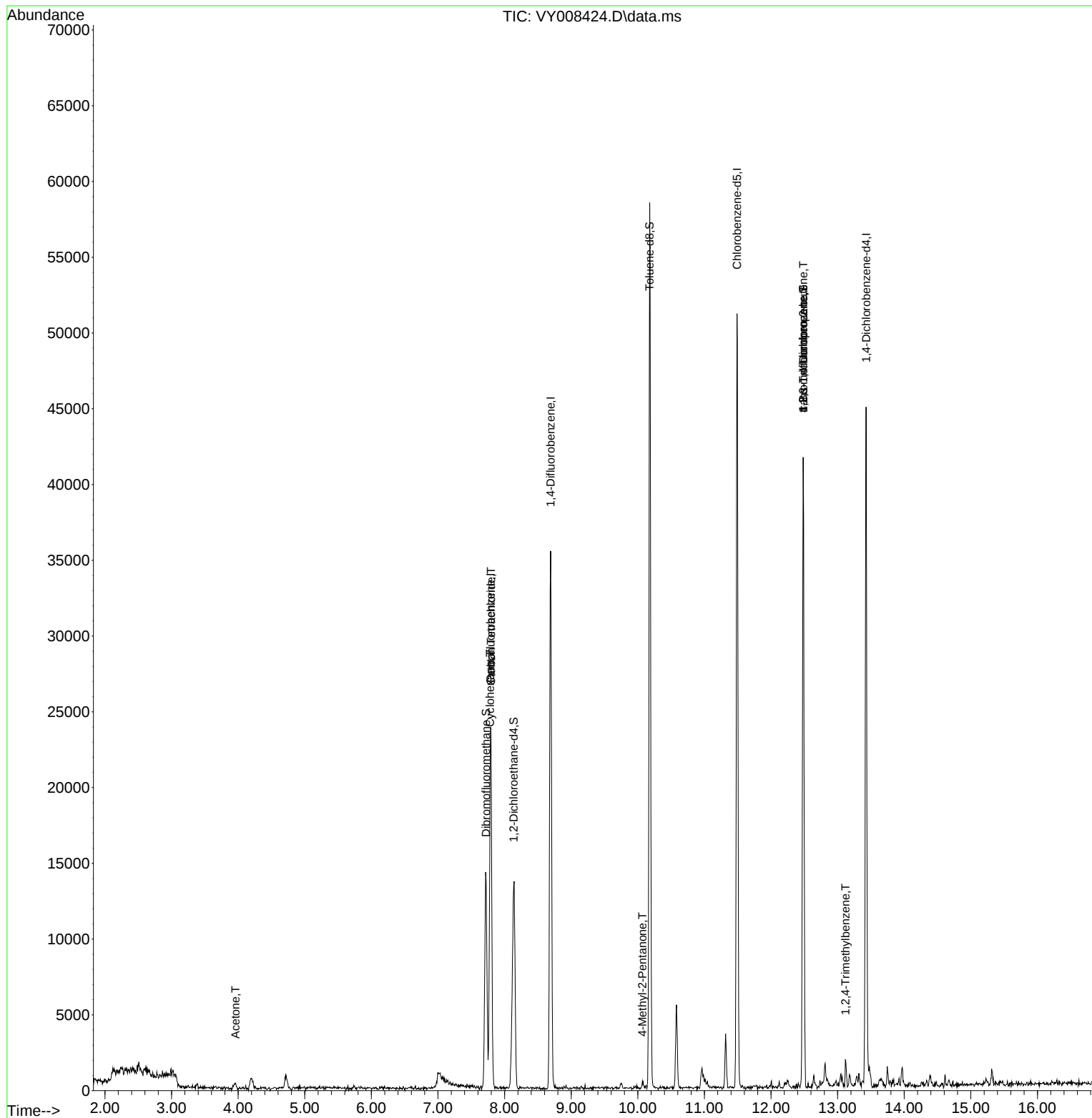
Internal Standards						
1) Pentafluorobenzene	7.789	168	19176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	32868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	29465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9508	52.786	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.580%	
35) Dibromofluoromethane	7.722	113	9824	51.749	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.500%	
50) Toluene-d8	10.179	98	38396	59.108	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.220%	
62) 4-Bromofluorobenzene	12.483	95	11262	46.094	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.180%	
Target Compounds						Qvalue
5) Bromomethane	2.668	94	79	Below Cal	#	29
16) Acetone	3.960	43	550	12.695	ug/l #	77
18) Methyl Acetate	4.247	43	39	Below Cal	#	56
20) Methylene Chloride	4.710	84	623	Below Cal	#	76
31) Cyclohexane	7.783	56	435	1.336	ug/l #	59
38) Carbon Tetrachloride	7.795	117	1939	5.945	ug/l #	11
51) 4-Methyl-2-Pentanone	10.069	43	305	2.036	ug/l #	74
76) 1,2,3-Trichloropropane	12.483	75	5999	48.159	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5999	107.755	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	1017	1.497	ug/l	67

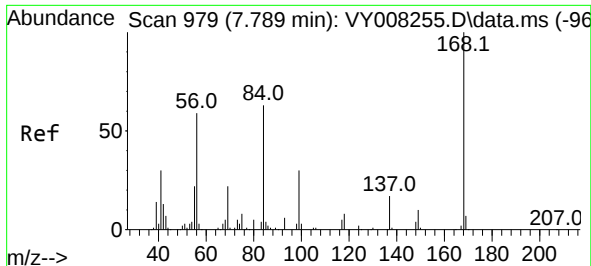
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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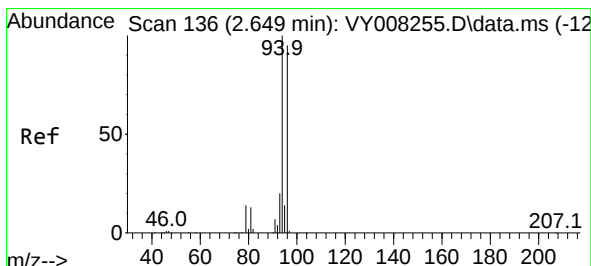
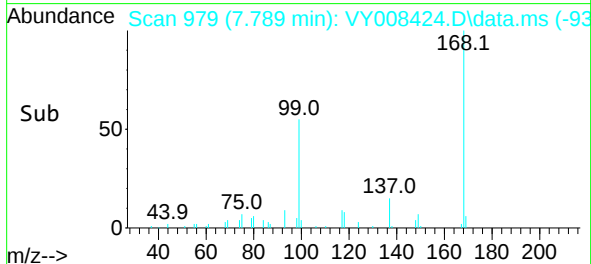
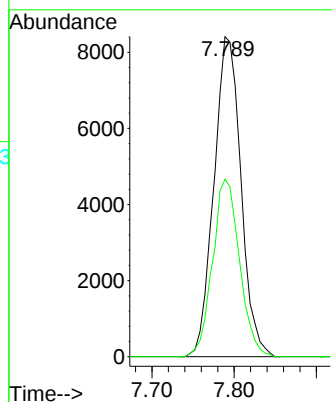
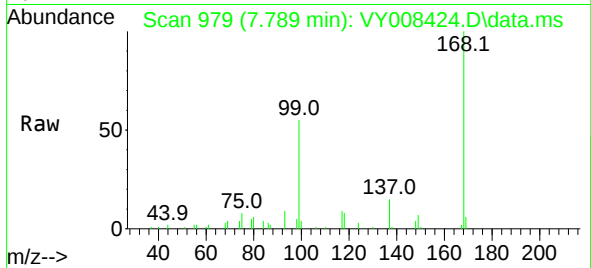




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

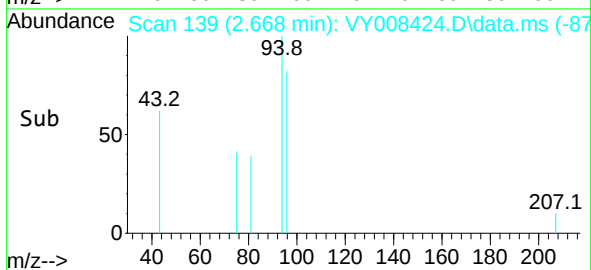
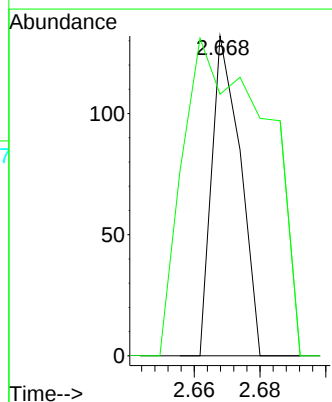
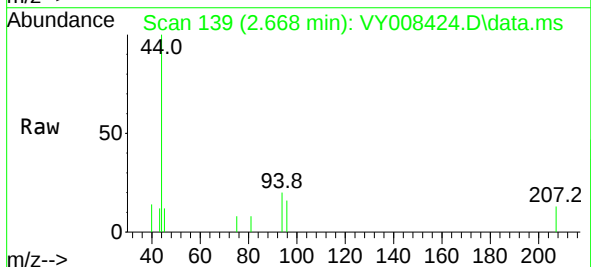
Instrument :
MSVOA_Y
ClientSampleId :
PAT-03-041922

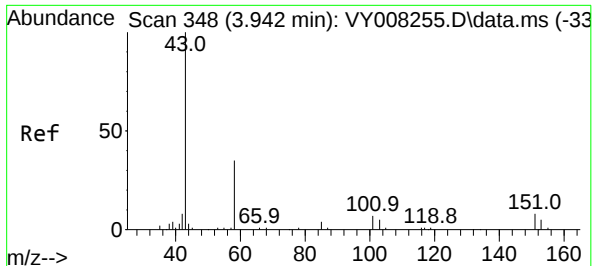
Tgt Ion:168 Resp: 19176
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.019 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 24.2 73.5 110.3#

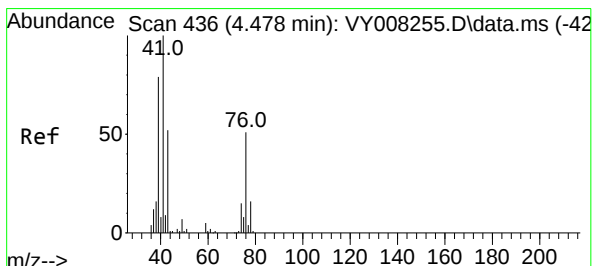
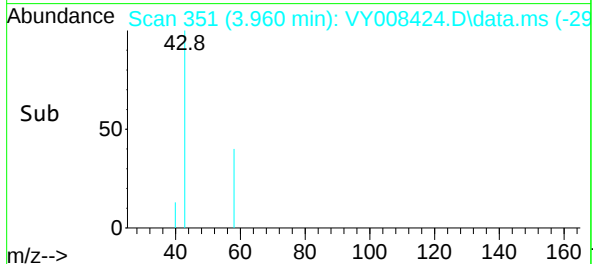
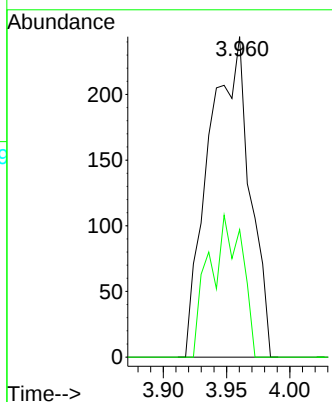
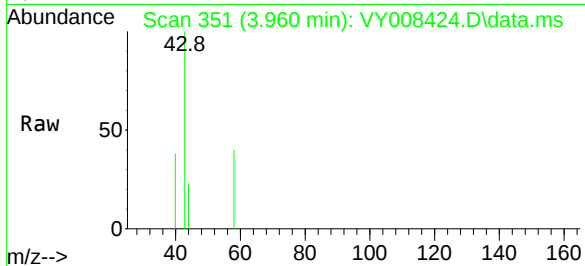




#16
Acetone
Concen: 12.695 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

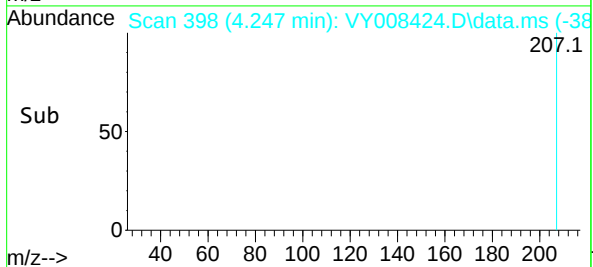
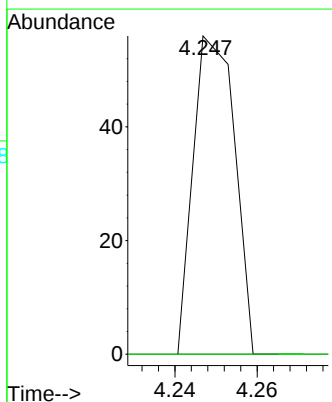
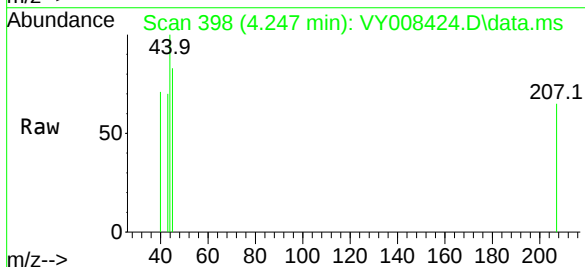
Instrument :
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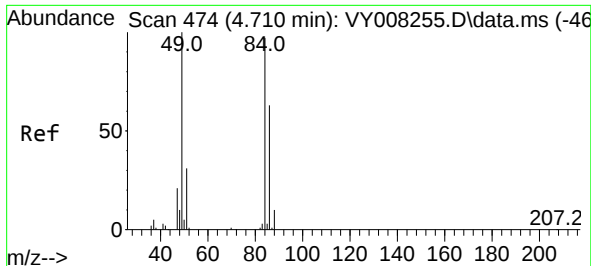
Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
58 39.8 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.247 min Scan# 398
Delta R.T. -0.231 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

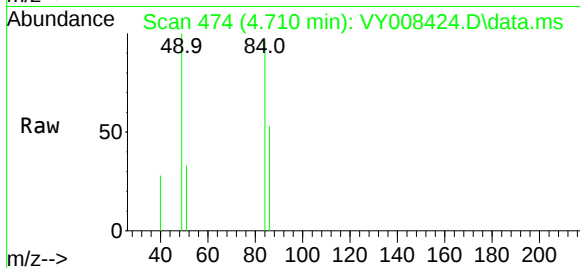
Tgt Ion: 43 Resp: 39
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





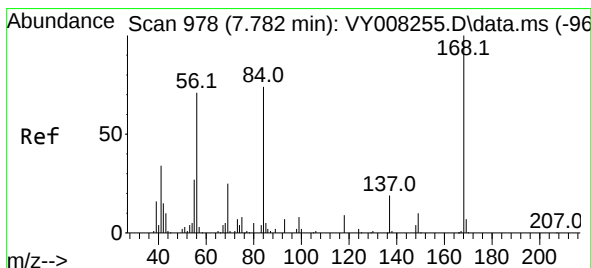
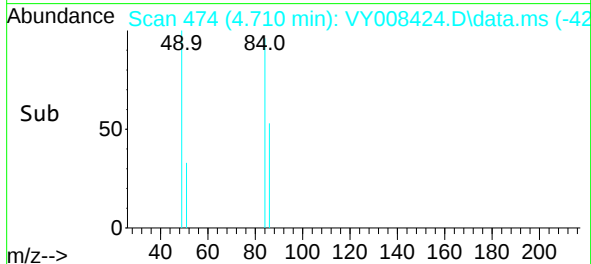
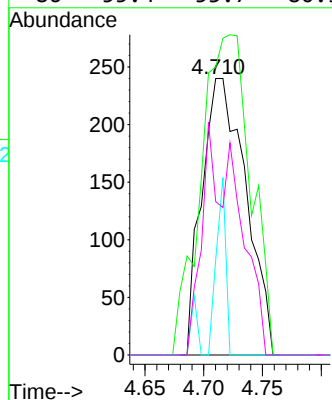
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Instrument :
MSVOA_Y
ClientSampleId :
PAT-03-041922



Tgt Ion: 84 Resp: 623

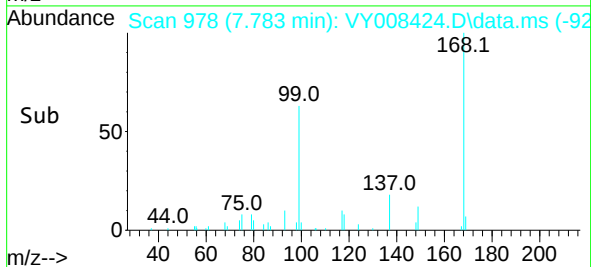
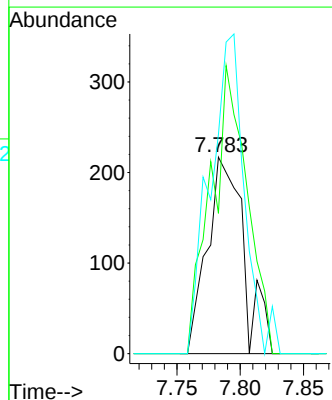
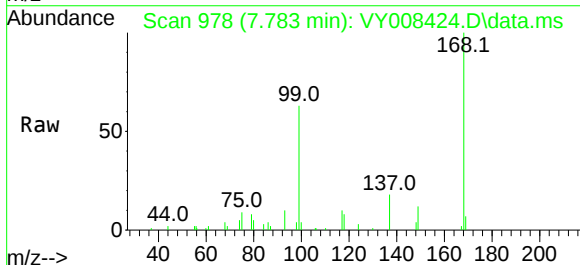
Ion	Ratio	Lower	Upper
84	100		
49	104.2	114.4	171.6#
51	34.6	35.3	52.9#
86	55.4	53.7	80.5

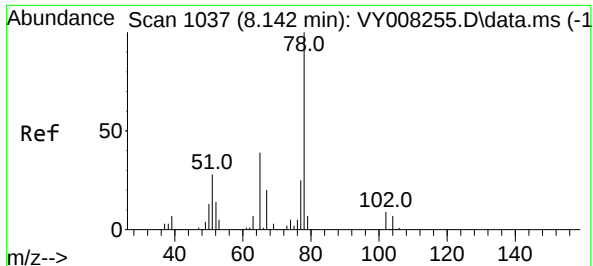


#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.001 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Tgt Ion: 56 Resp: 435

Ion	Ratio	Lower	Upper
56	100		
69	71.4	26.7	40.1#
84	111.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 52.786 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008424.D

Acq: 20 Apr 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

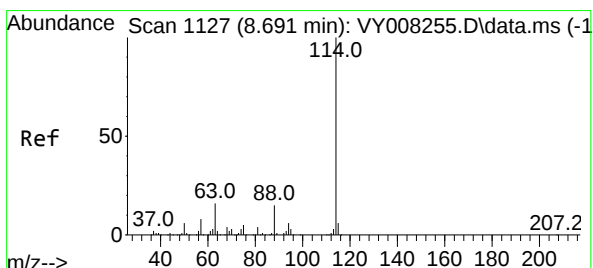
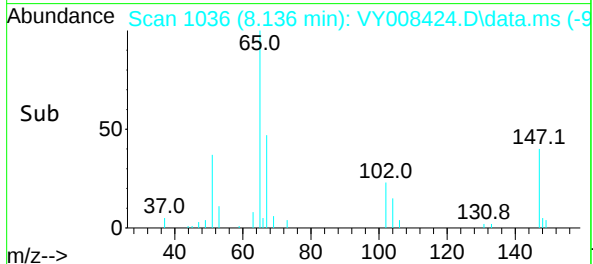
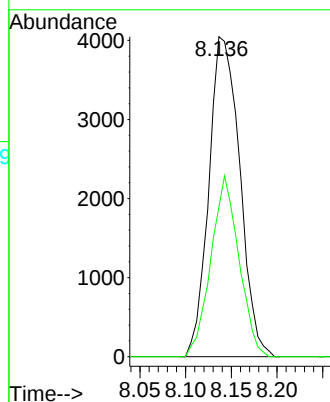
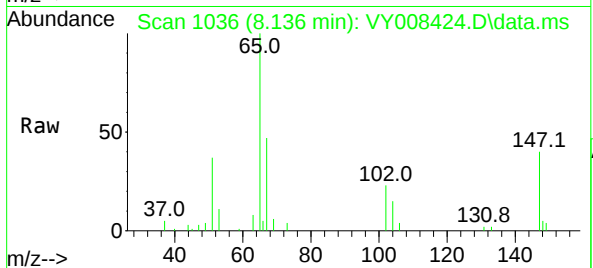
PAT-03-041922

Tgt Ion: 65 Resp: 9508

Ion Ratio Lower Upper

65 100

67 51.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008424.D

Acq: 20 Apr 2022 17:28

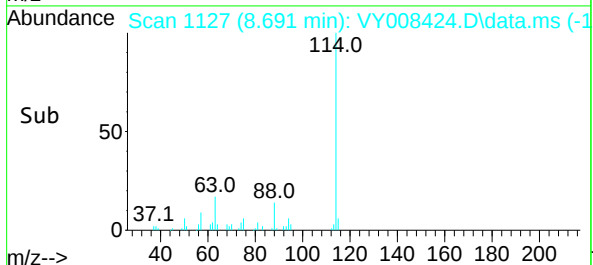
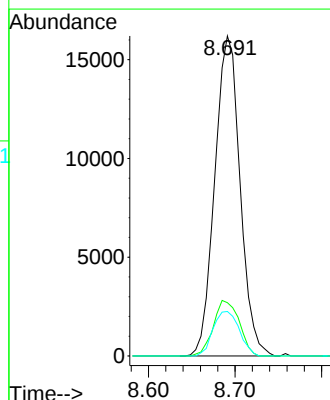
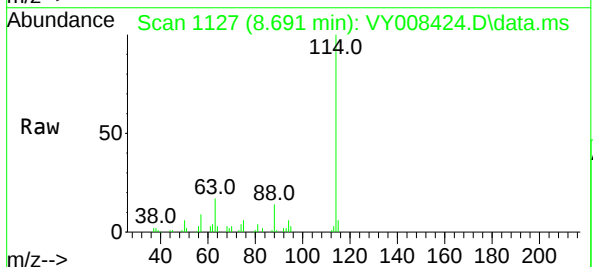
Tgt Ion: 114 Resp: 32868

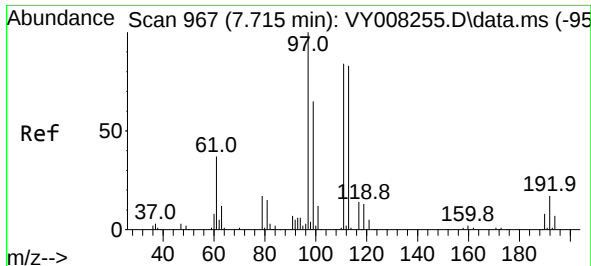
Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 13.9 0.0 31.8

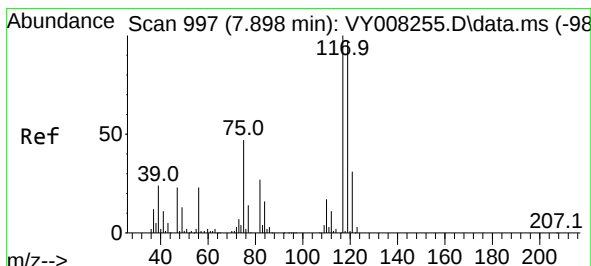
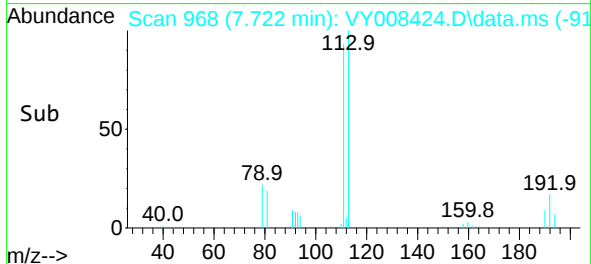
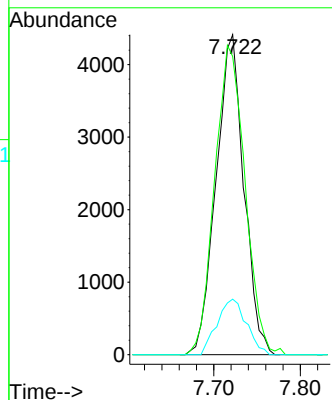
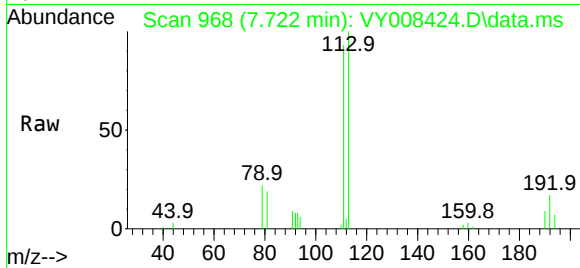




#35
Dibromofluoromethane
Concen: 51.749 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

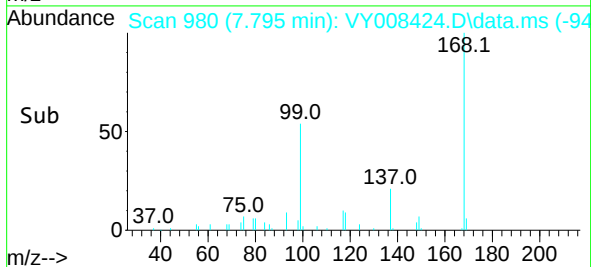
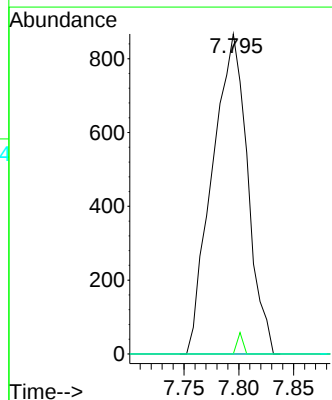
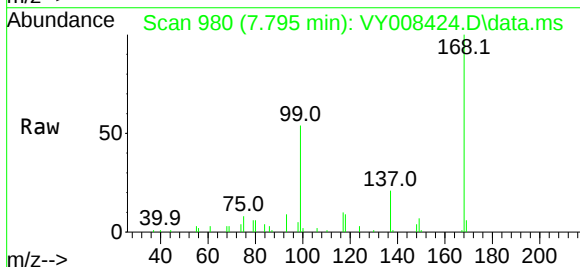
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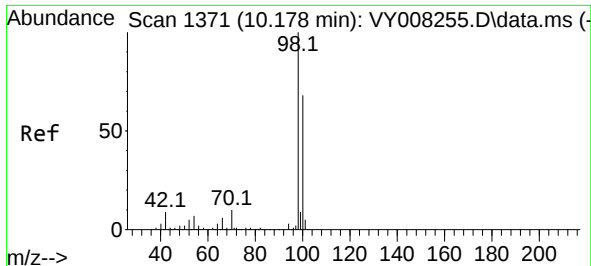
Tgt Ion:113 Resp: 9824
Ion Ratio Lower Upper
113 100
111 105.6 82.6 124.0
192 18.4 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.945 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Tgt Ion:117 Resp: 1939
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

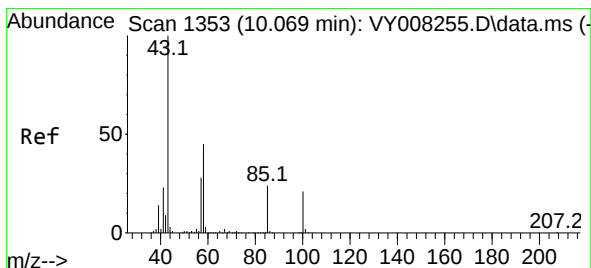
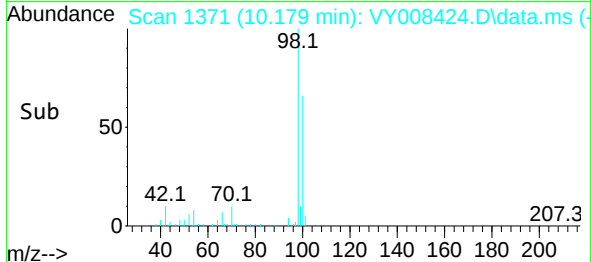
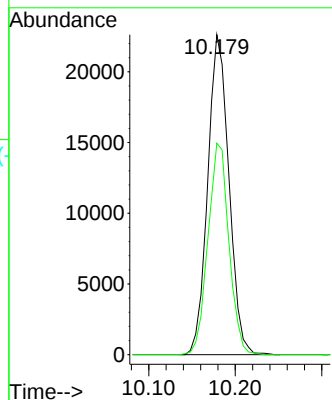
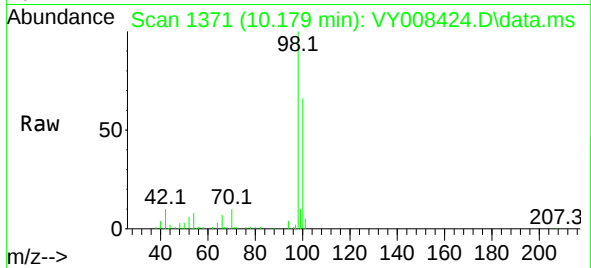




#50
Toluene-d8
Concen: 59.108 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

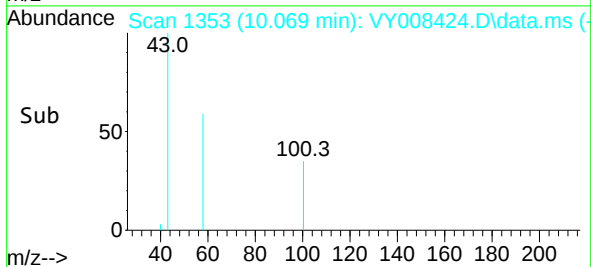
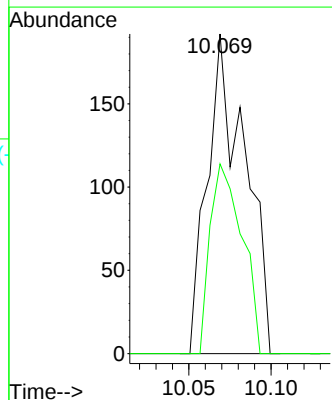
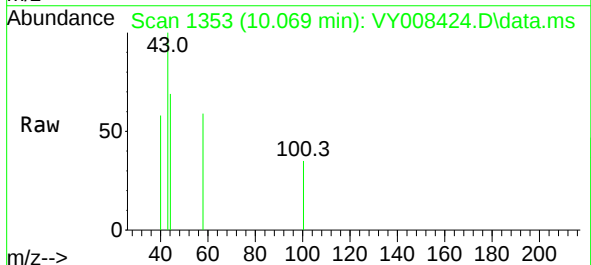
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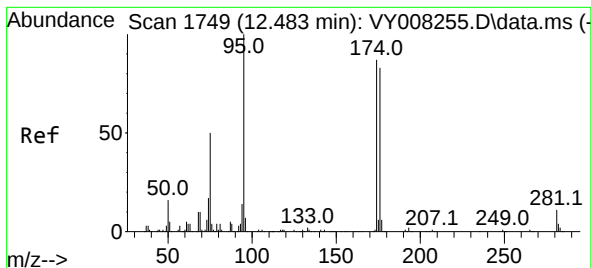
Tgt Ion: 98 Resp: 38396
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 2.036 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Tgt Ion: 43 Resp: 305
Ion Ratio Lower Upper
43 100
58 50.5 28.1 42.1#

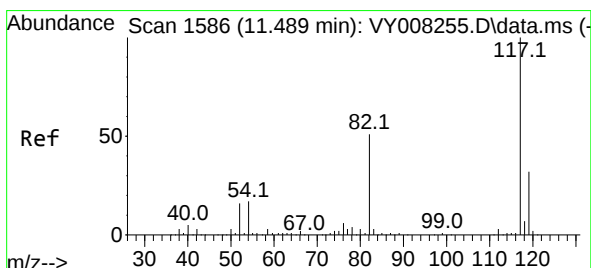
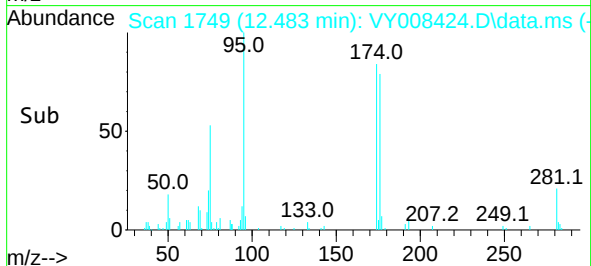
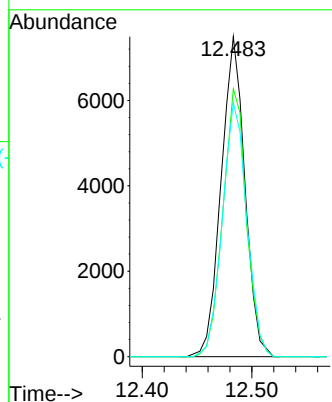
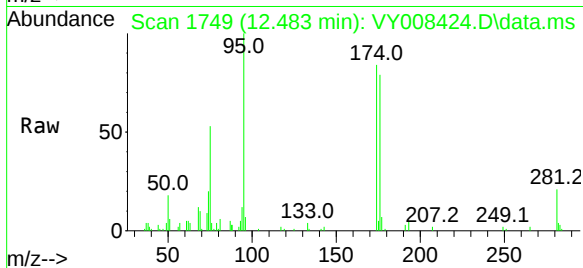




#62
4-Bromofluorobenzene
Concen: 46.094 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

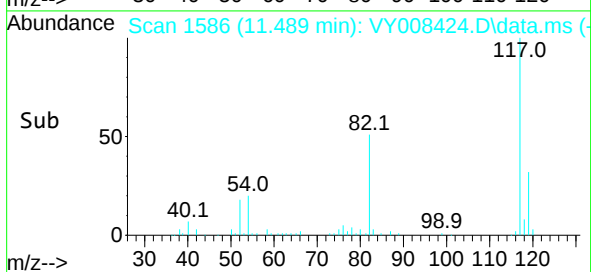
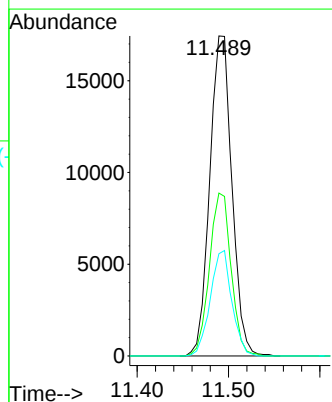
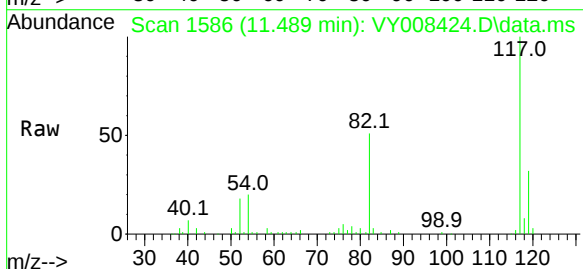
Instrument :
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ClientSampleId :
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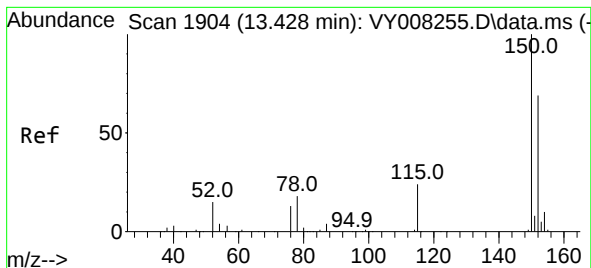
Tgt Ion: 95 Resp: 11262
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 81.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Tgt Ion: 117 Resp: 29465
Ion Ratio Lower Upper
117 100
82 50.9 43.0 64.4
119 32.0 25.4 38.0

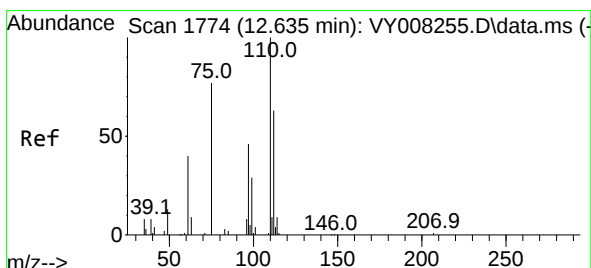
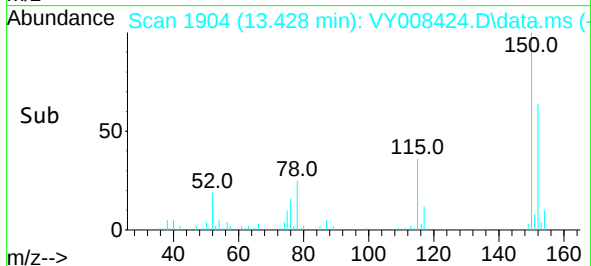
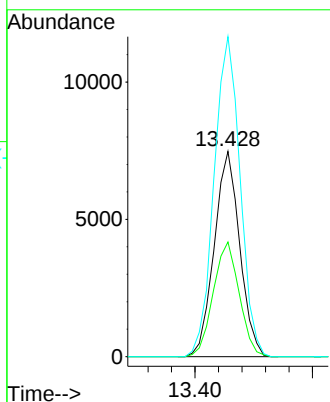
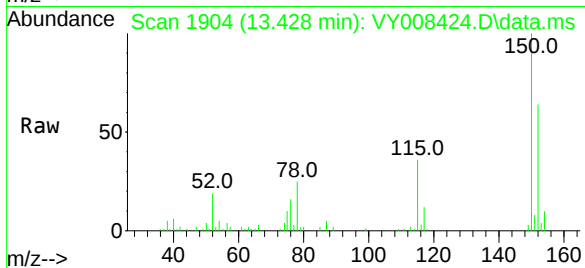




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008424.D
 Acq: 20 Apr 2022 17:28

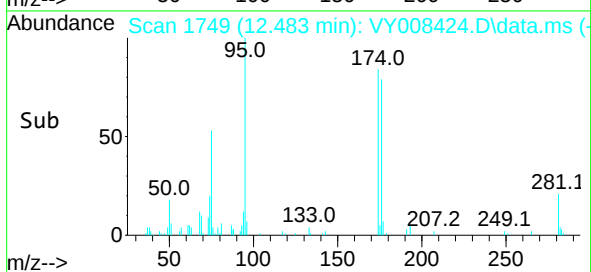
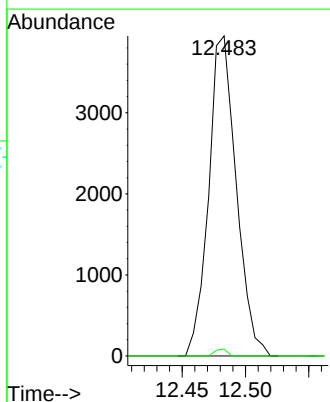
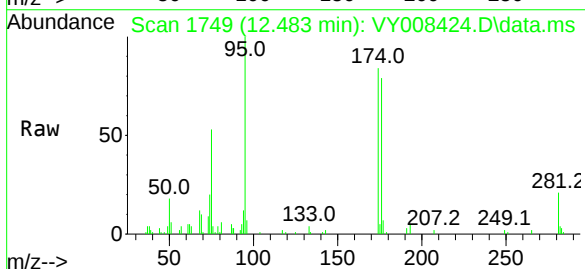
Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-03-041922

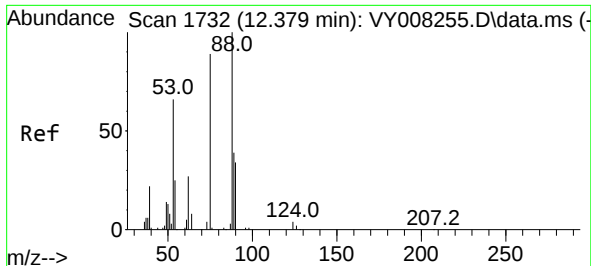
Tgt Ion:152 Resp: 11263
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.2 84.7
 150 159.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 48.159 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008424.D
 Acq: 20 Apr 2022 17:28

Tgt Ion: 75 Resp: 5999
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

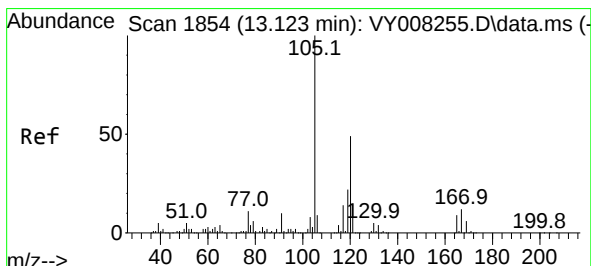
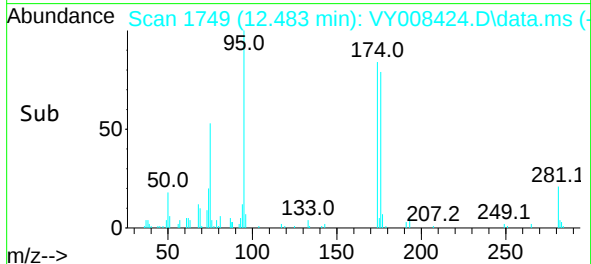
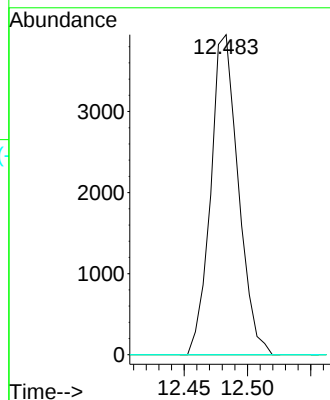
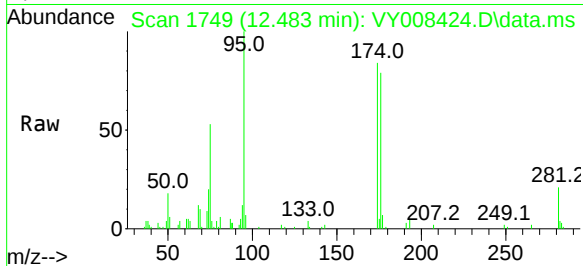




#81
trans-1,4-Dichloro-2-butene
Concen: 107.755 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Instrument :
MSVOA_Y
ClientSampleId :
PAT-03-041922

Tgt Ion: 75 Resp: 5999
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.497 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY008424.D
Acq: 20 Apr 2022 17:28

Tgt Ion: 105 Resp: 1017
Ion Ratio Lower Upper
105 100
120 65.9 22.3 66.9

