

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
 Data File : VY007830.D
 Acq On : 10 Mar 2022 17:09
 Operator : SY/MD
 Sample : N1829-03RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-030722RE

Quant Time: Mar 10 23:58:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

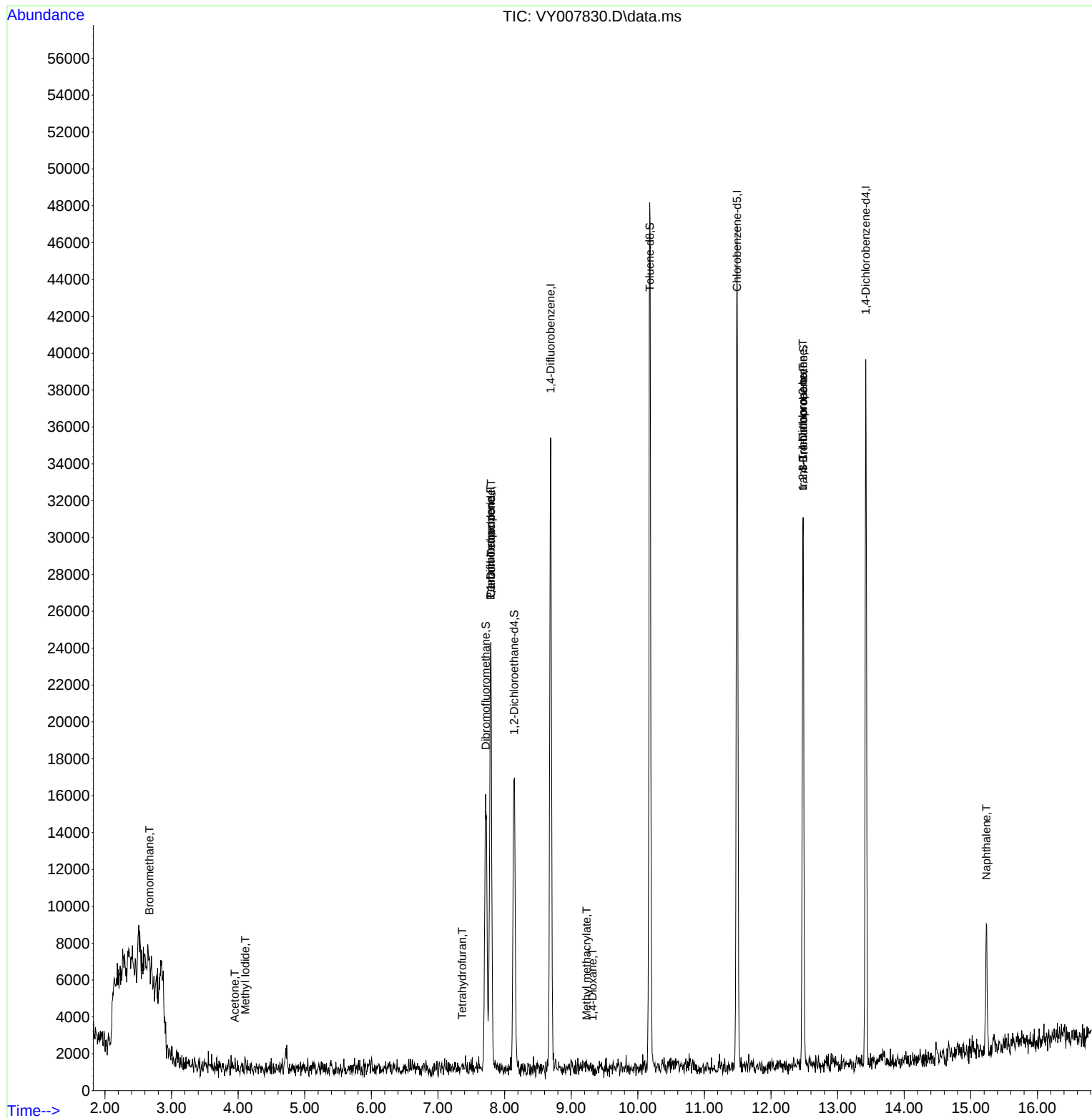
Internal Standards						
1) Pentafluorobenzene	7.789	168	17242	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	26223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	23601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	12382	68.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.200%	
35) Dibromofluoromethane	7.716	113	10695	63.793	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.580%	
50) Toluene-d8	10.179	98	31906	51.700	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.400%	
62) 4-Bromofluorobenzene	12.483	95	8093	40.683	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.360%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	234	Below Cal		95
5) Bromomethane	2.668	94	347	1.660	ug/l #	60
10) Methyl Iodide	4.107	142	343	1.563	ug/l #	63
13) Acrolein	3.582	56	26	Below Cal	#	14
16) Acetone	3.948	43	169	4.602	ug/l #	47
17) Carbon Disulfide	4.259	76	87	Below Cal	#	75
18) Methyl Acetate	4.479	43	63	Below Cal	#	56
20) Methylene Chloride	4.735	84	251	Below Cal	#	35
29) Tetrahydrofuran	7.362	42	61	1.447	ug/l #	64
31) Cyclohexane	7.795	56	375	Below Cal	#	48
36) 1,1-Dichloropropene	7.789	75	1522	5.771	ug/l #	52
38) Carbon Tetrachloride	7.795	117	2391	8.499	ug/l #	11
48) Methyl methacrylate	9.234	41	121	1.036	ug/l #	42
49) 1,4-Dioxane	9.319	88	29	21.083	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	5025	49.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5025	101.499	ug/l #	8
95) Naphthalene	15.233	128	5273	14.248	ug/l #	95

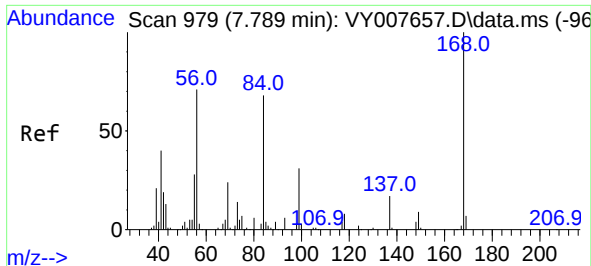
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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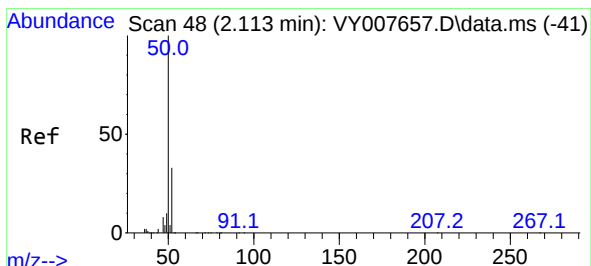
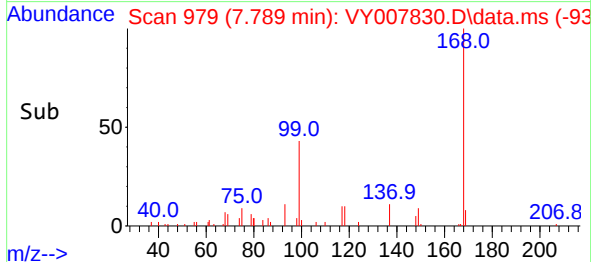
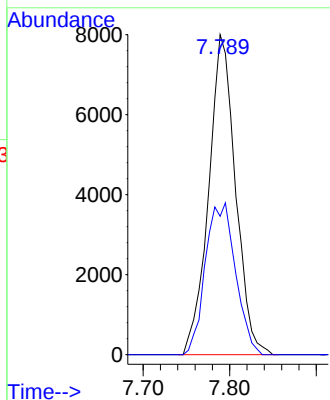
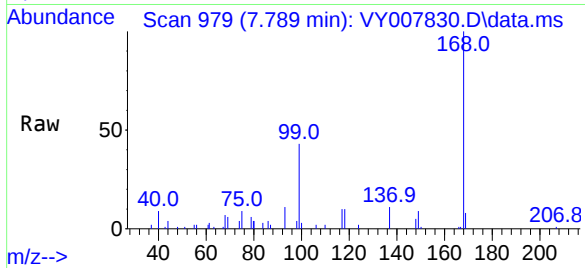




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

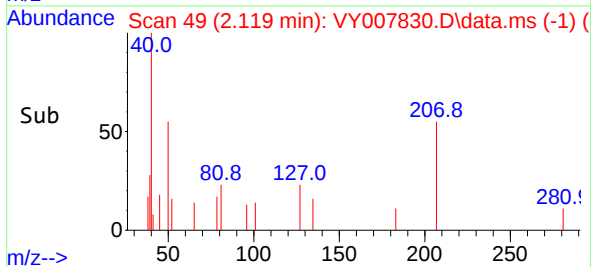
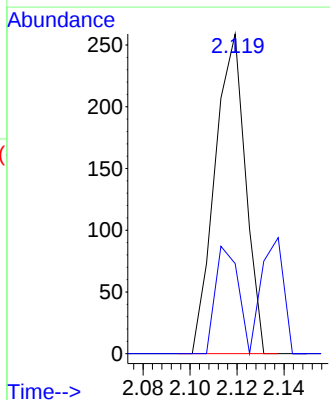
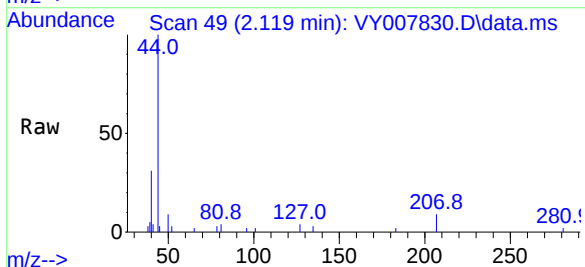
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

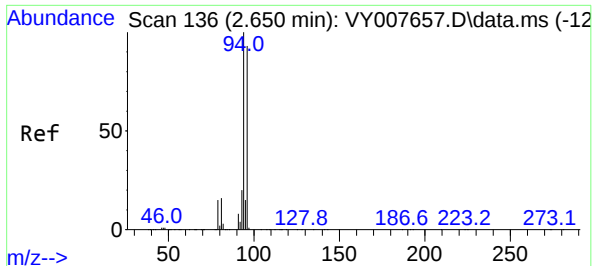
Tgt Ion:168 Resp: 17242
Ion Ratio Lower Upper
168 100
99 43.3 46.9 70.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 50 Resp: 234
Ion Ratio Lower Upper
50 100
52 28.2 24.6 37.0

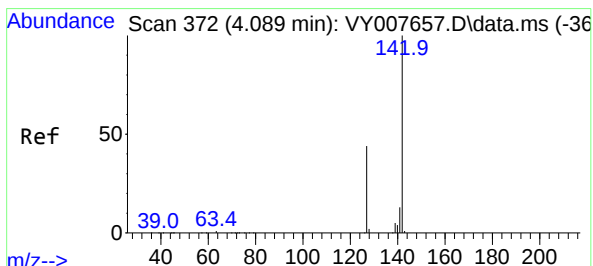
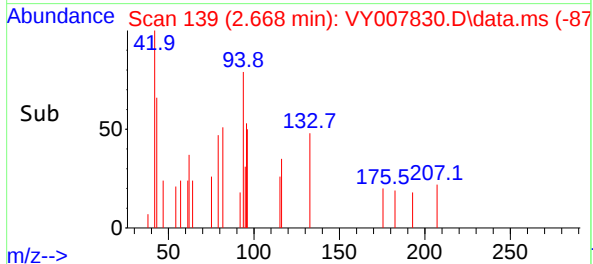
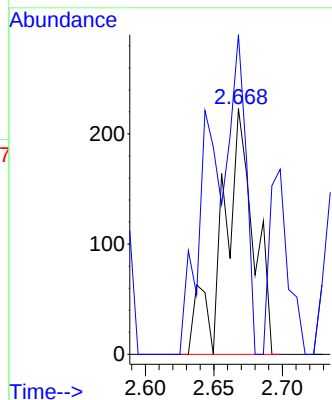
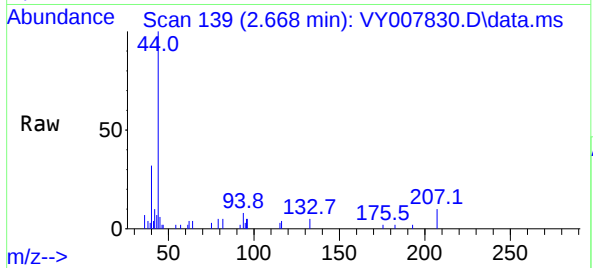




#5
Bromomethane
Concen: 1.660 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

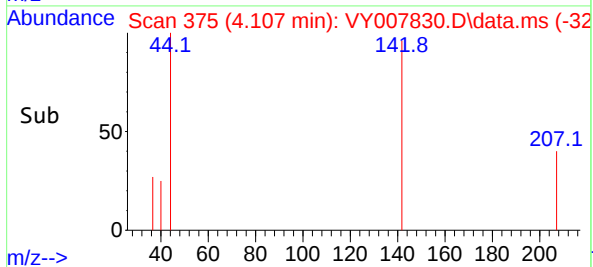
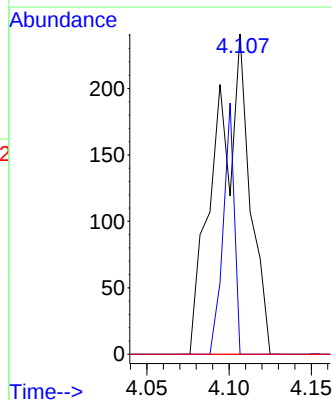
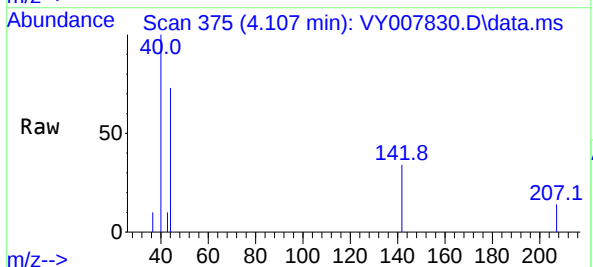
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

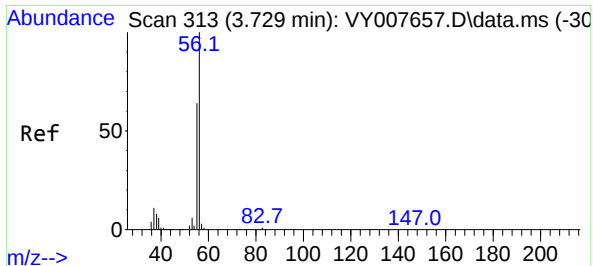
Tgt Ion: 94 Resp: 347
Ion Ratio Lower Upper
94 100
96 130.0 73.5 110.3#



#10
Methyl Iodide
Concen: 1.563 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.018 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 142 Resp: 343
Ion Ratio Lower Upper
142 100
127 25.9 41.5 62.3#
141 0.0 11.9 17.9#

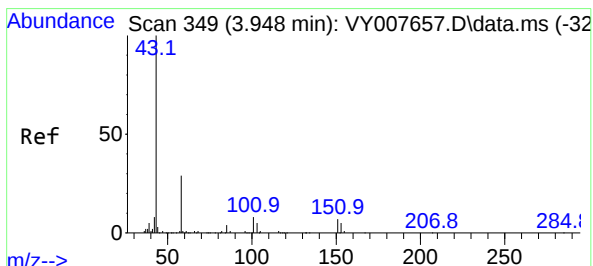
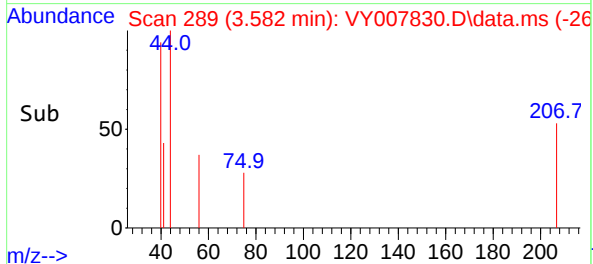
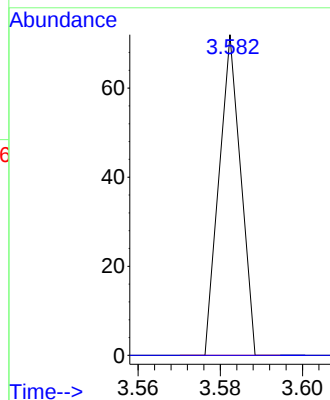
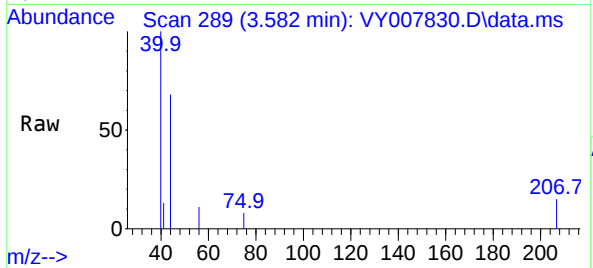




#13
Acrolein
Concen: Below Cal
RT: 3.582 min Scan# 21
Delta R.T. -0.147 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

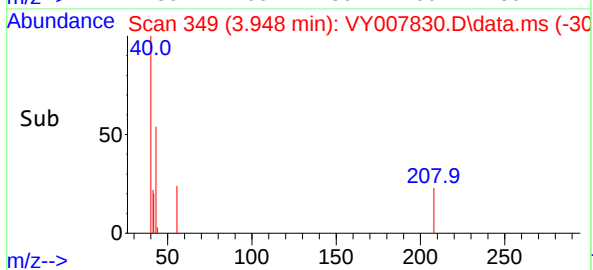
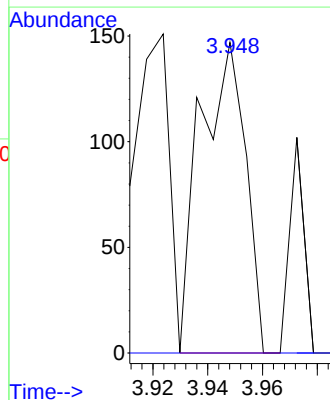
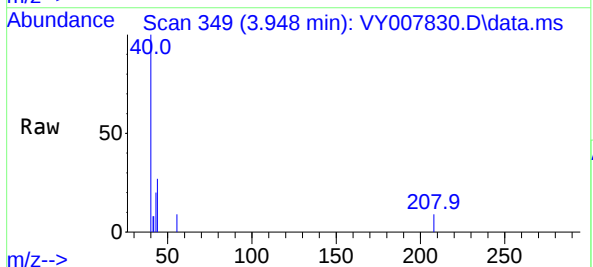
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

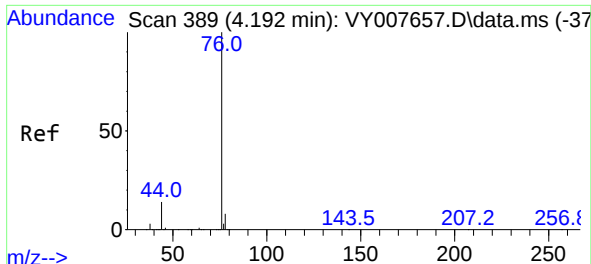
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 4.602 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

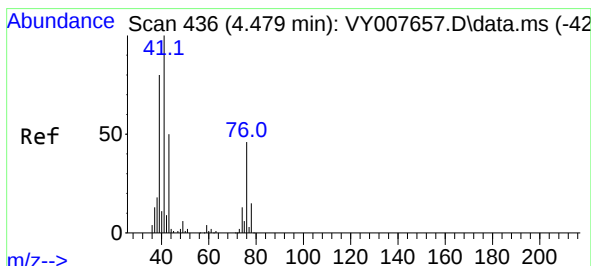
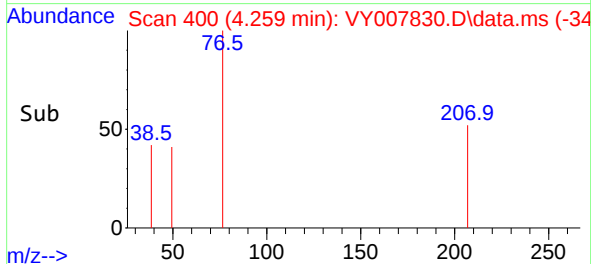
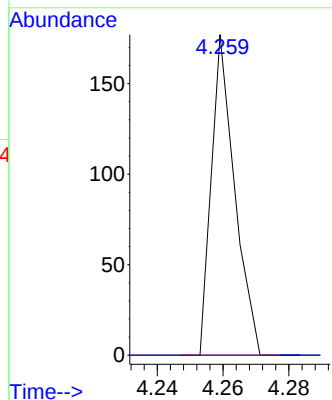
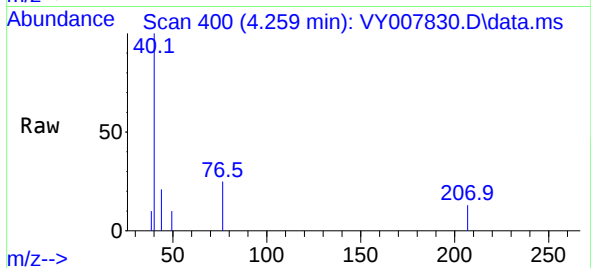




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.259 min Scan# 401
Delta R.T. 0.067 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

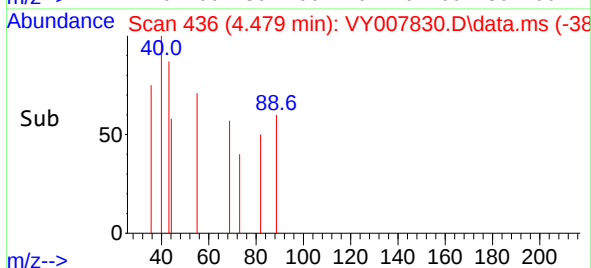
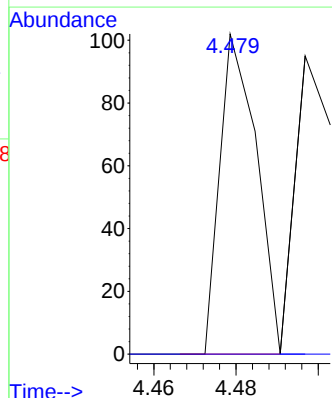
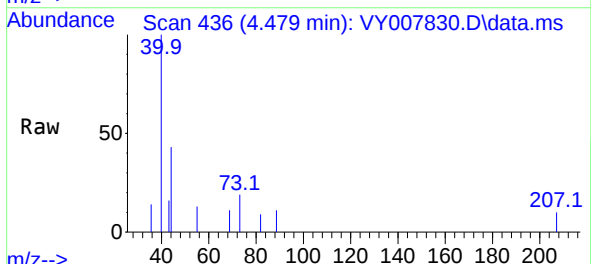
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

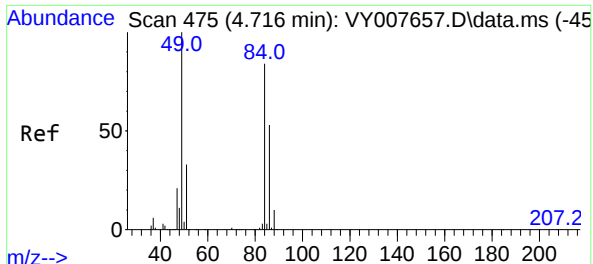
Tgt Ion: 76 Resp: 87
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



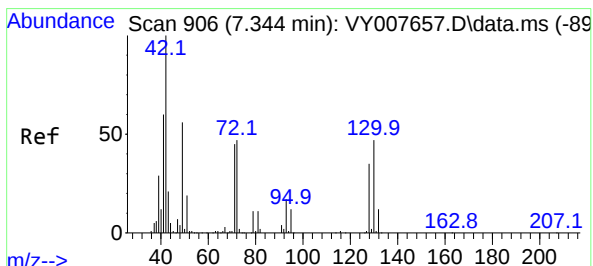
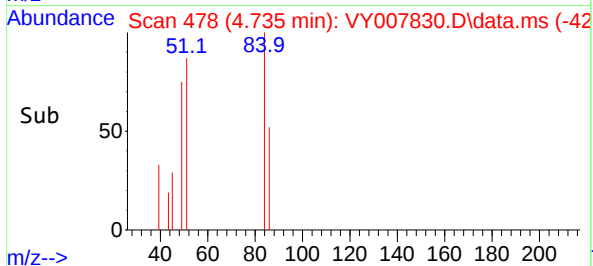
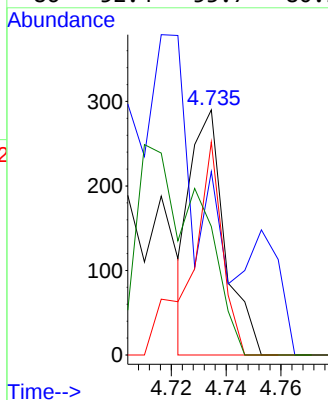
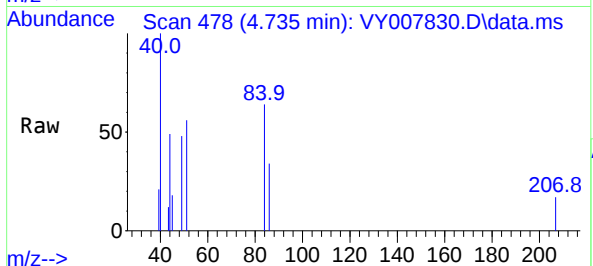


#20
Methylene Chloride
Concen: Below Cal
RT: 4.735 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

Tgt Ion: 84 Resp: 251

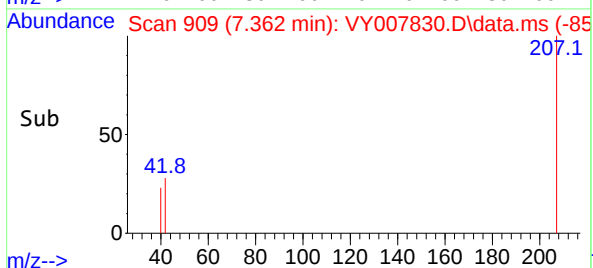
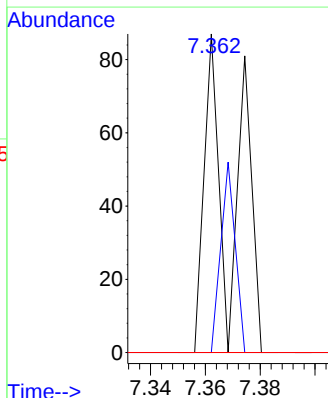
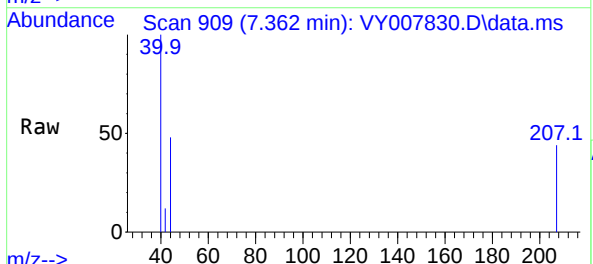
Ion	Ratio	Lower	Upper
84	100		
49	35.9	114.4	171.6#
51	86.9	35.3	52.9#
86	52.4	53.7	80.5#

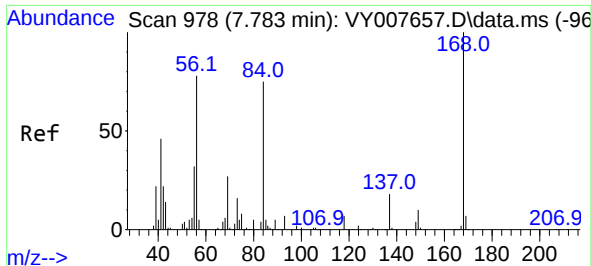


#29
Tetrahydrofuran
Concen: 1.447 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 42 Resp: 61

Ion	Ratio	Lower	Upper
42	100		
72	31.1	30.3	45.5
71	0.0	29.0	43.4#

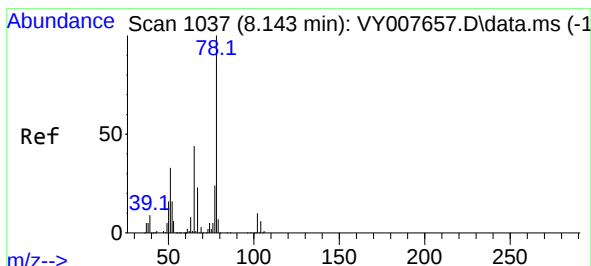
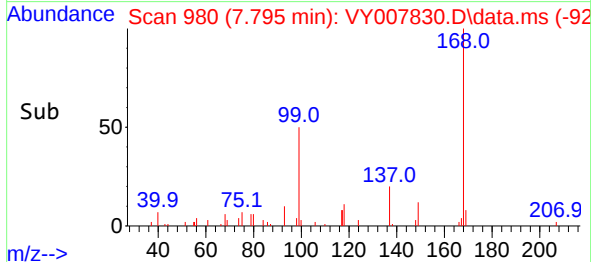
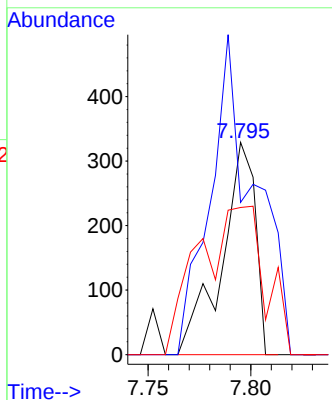
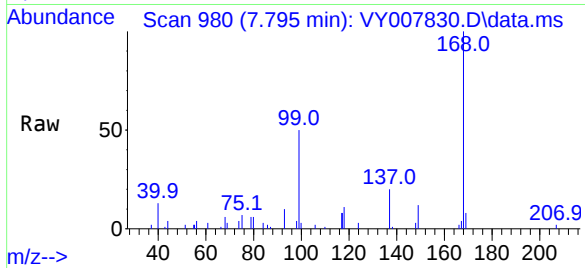




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

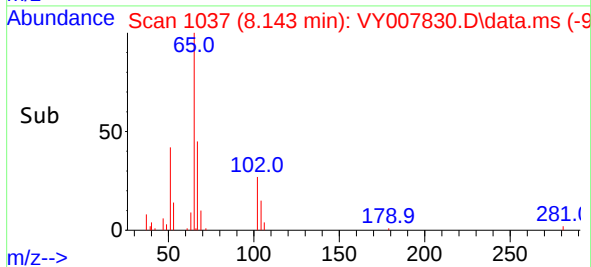
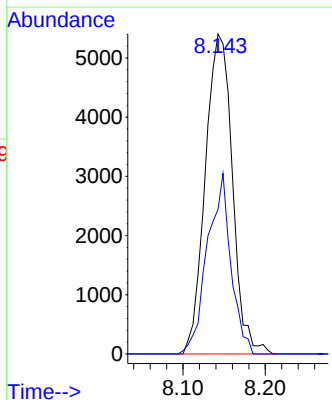
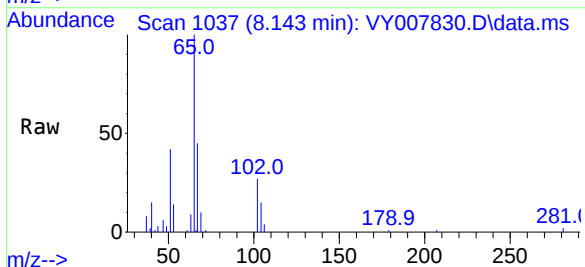
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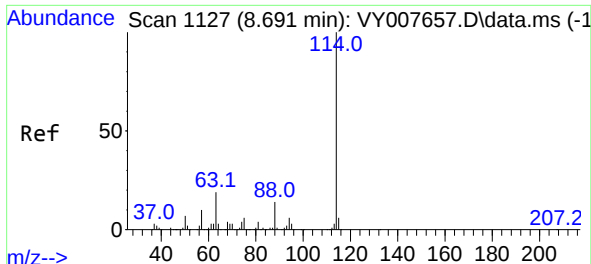
Tgt Ion: 56 Resp: 375
Ion Ratio Lower Upper
56 100
69 71.7 26.7 40.1#
84 42.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.595 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 65 Resp: 12382
Ion Ratio Lower Upper
65 100
67 48.8 0.0 99.4

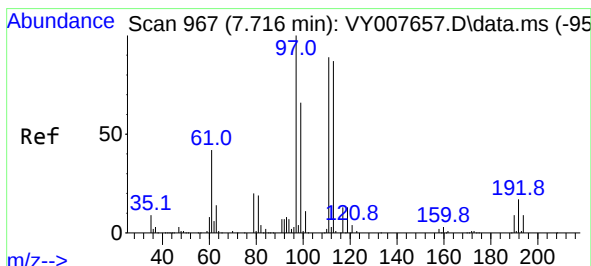
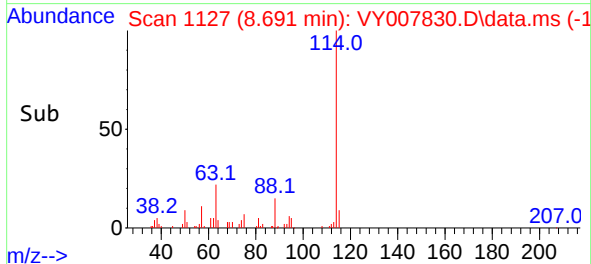
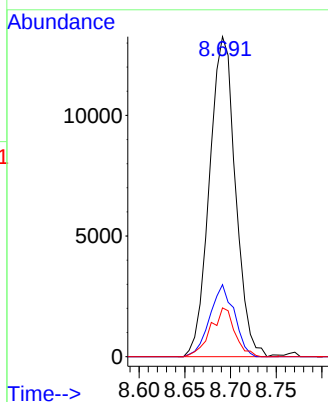
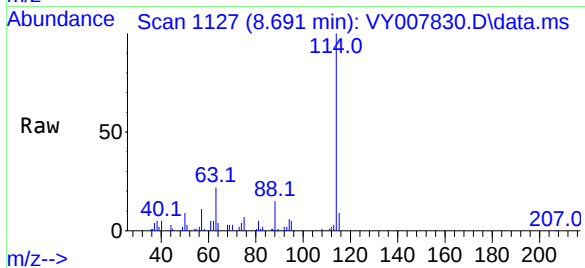




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

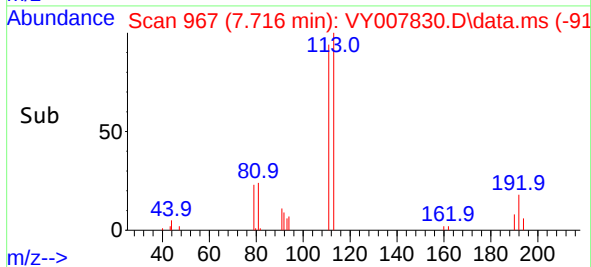
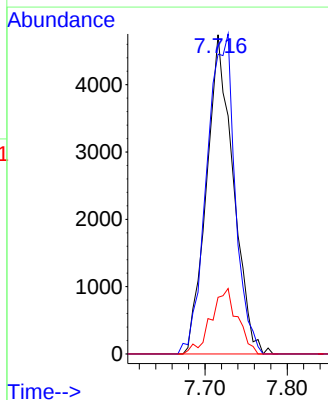
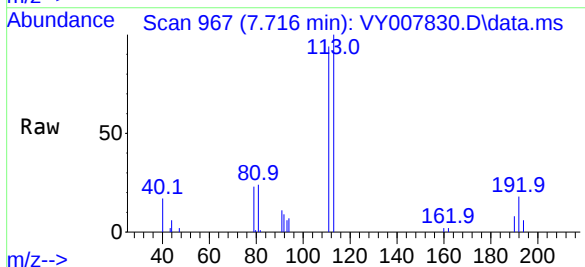
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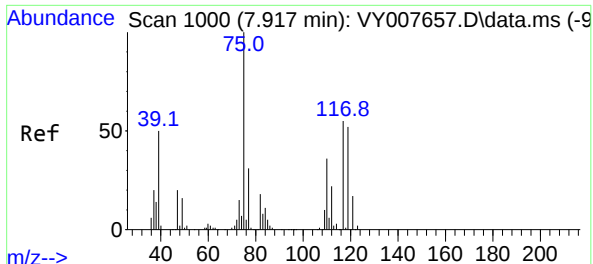
Tgt Ion:	114	Resp:	26223
Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.2
88	15.2	0.0	31.8



#35
Dibromofluoromethane
Concen: 63.793 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion:	113	Resp:	10695
Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.6	124.0
192	20.3	17.6	26.4

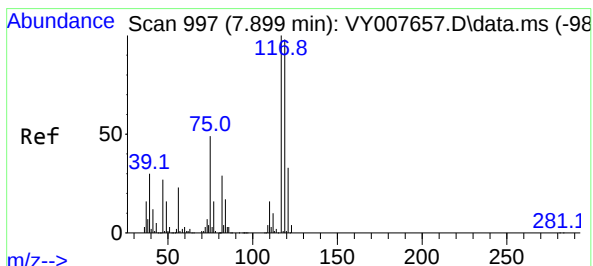
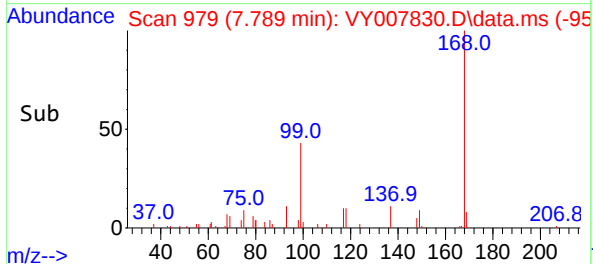
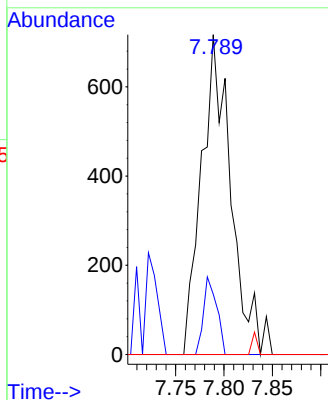
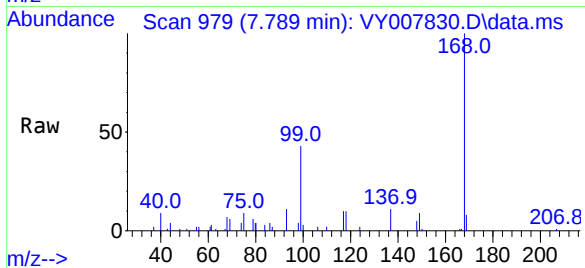




#36
1,1-Dichloropropene
Concen: 5.771 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

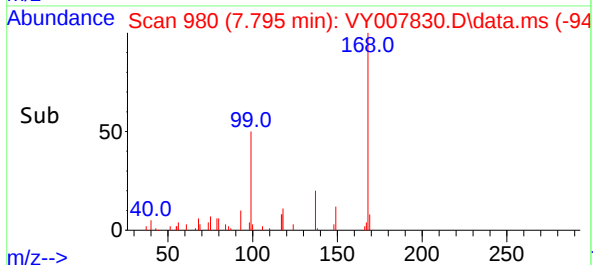
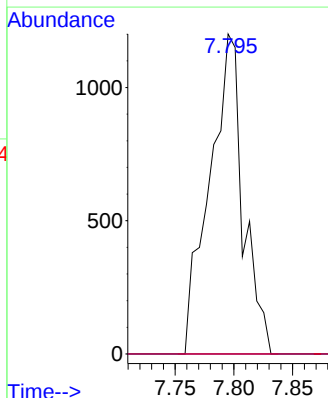
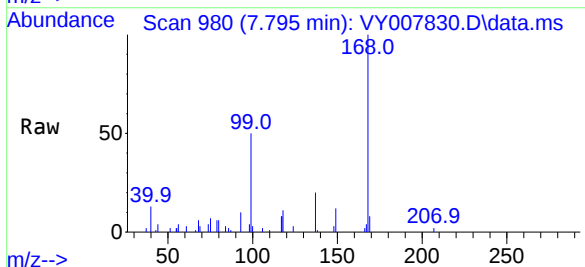
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

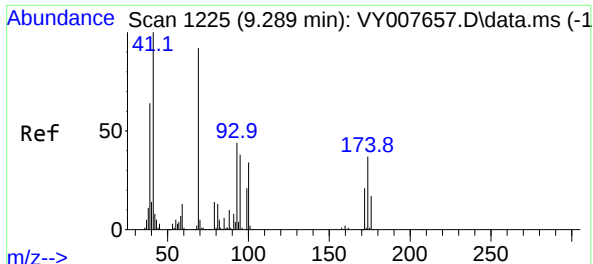
Tgt Ion: 75 Resp: 1522
Ion Ratio Lower Upper
75 100
110 10.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 8.499 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 117 Resp: 2391
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#





#48

Methyl methacrylate

Concen: 1.036 ug/l

RT: 9.234 min Scan# 11

Delta R.T. -0.055 min

Lab File: VY007830.D

Acq: 10 Mar 2022 17:09

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-030722RE

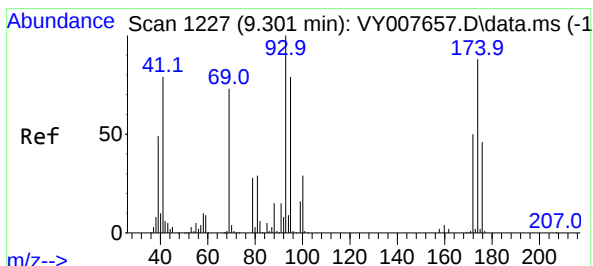
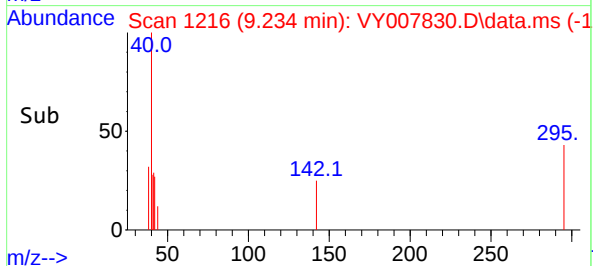
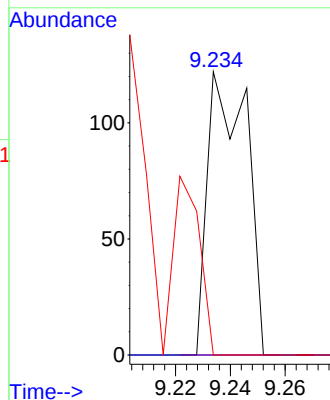
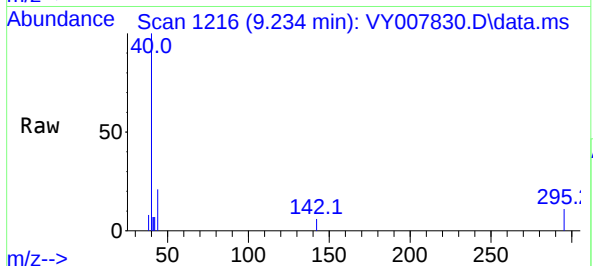
Tgt Ion: 41 Resp: 121

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 42.1 47.4 71.0#



#49

1,4-Dioxane

Concen: 21.083 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. 0.018 min

Lab File: VY007830.D

Acq: 10 Mar 2022 17:09

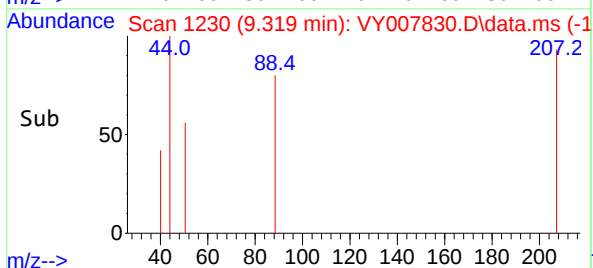
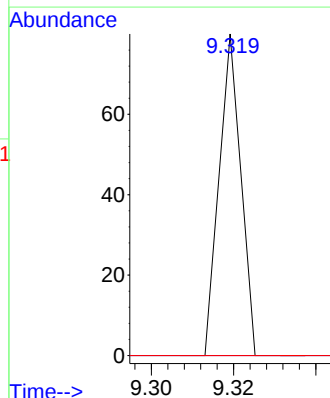
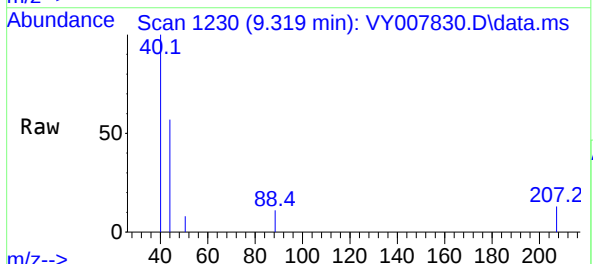
Tgt Ion: 88 Resp: 29

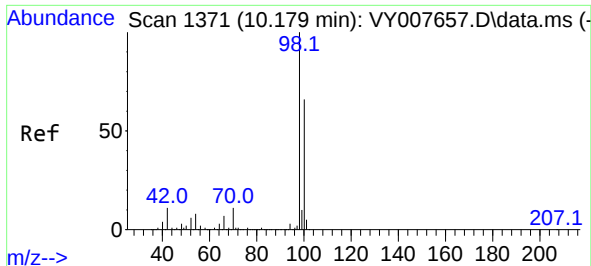
Ion Ratio Lower Upper

88 100

43 0.0 32.8 49.2#

58 0.0 59.8 89.6#

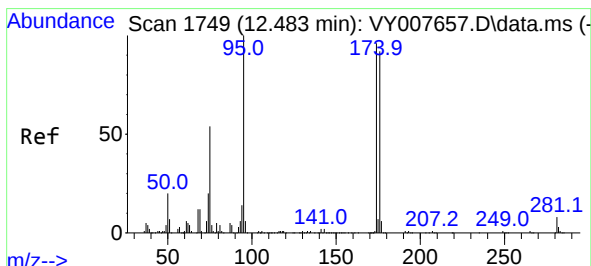
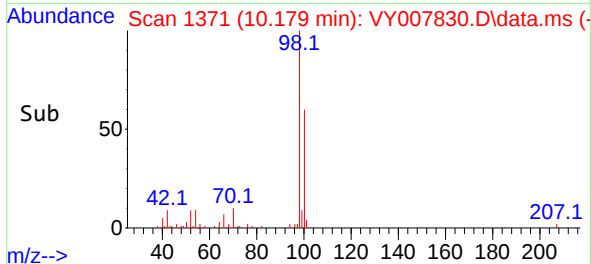
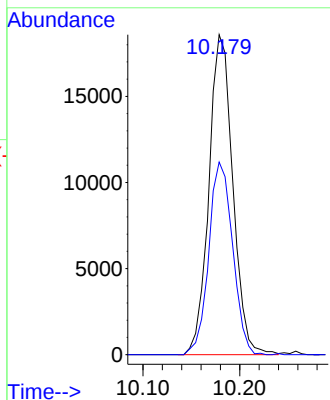
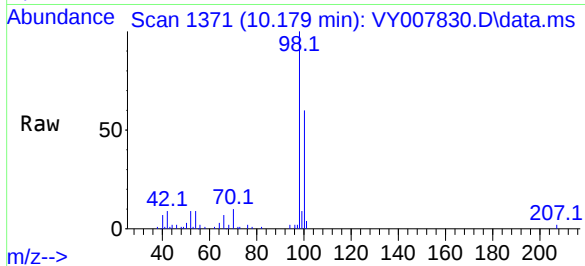




#50
Toluene-d8
Concen: 51.700 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

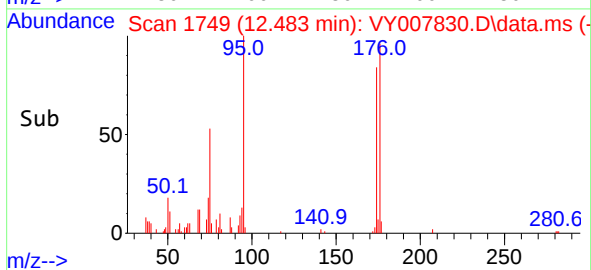
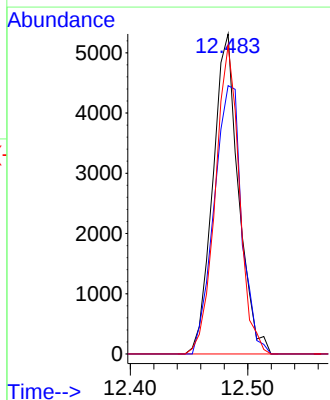
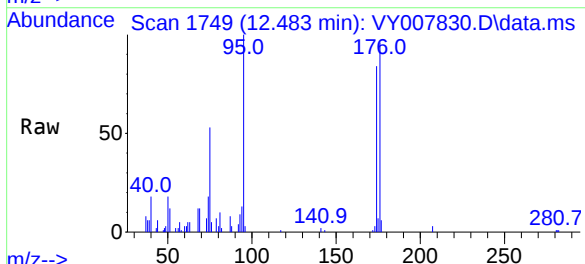
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

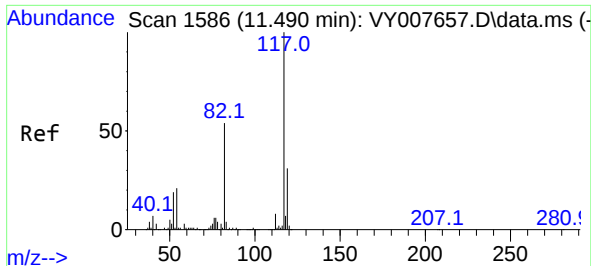
Tgt Ion: 98 Resp: 31906
Ion Ratio Lower Upper
98 100
100 60.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.683 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion: 95 Resp: 8093
Ion Ratio Lower Upper
95 100
174 90.0 0.0 177.0
176 90.1 0.0 175.8

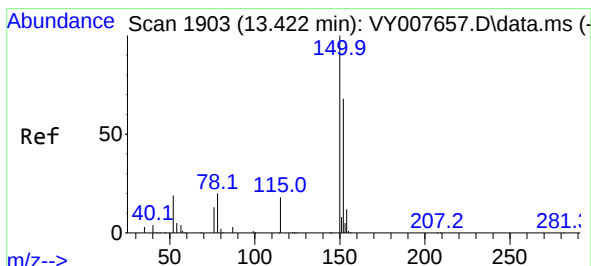
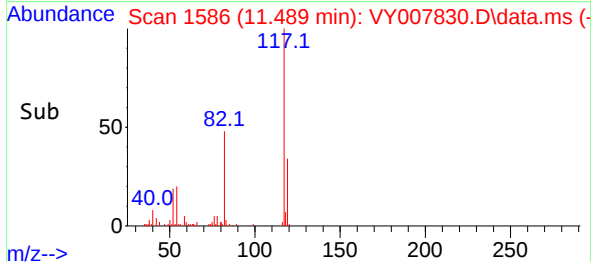
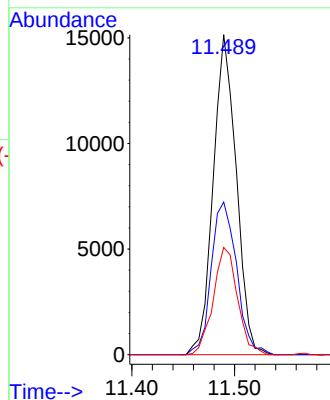
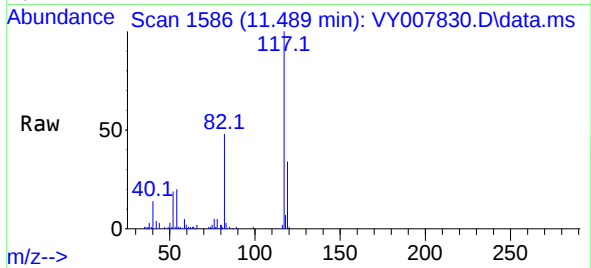




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

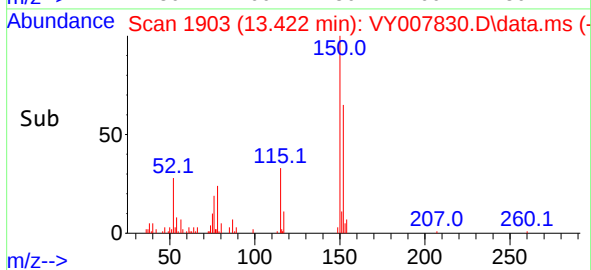
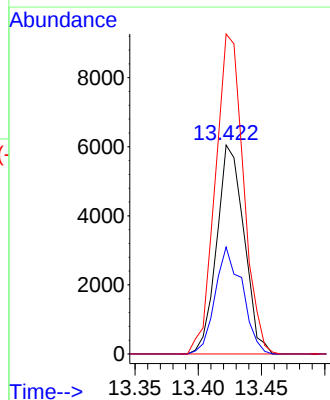
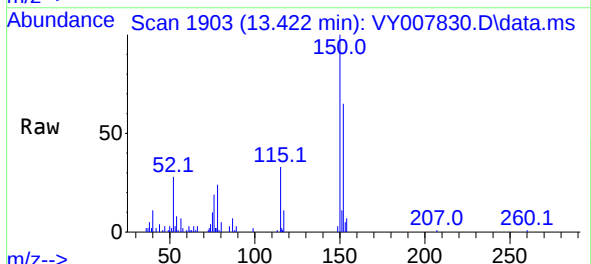
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

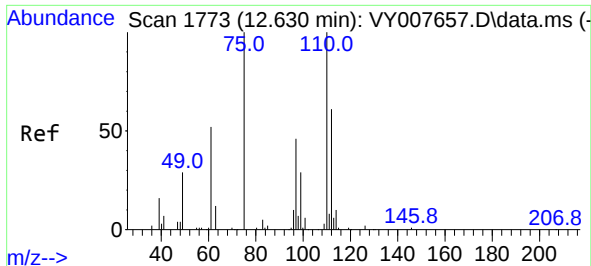
Tgt Ion:117 Resp: 23601
Ion Ratio Lower Upper
117 100
82 47.7 43.0 64.4
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Tgt Ion:152 Resp: 9063
Ion Ratio Lower Upper
152 100
115 51.1 28.2 84.7
150 158.0 0.0 347.6

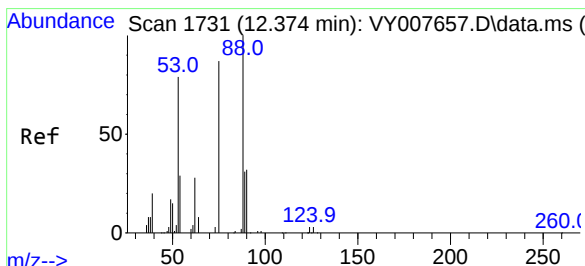
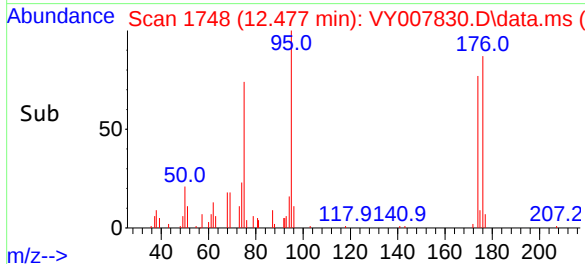
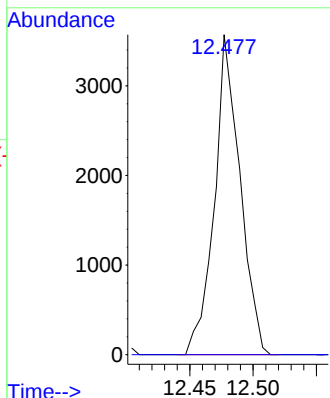
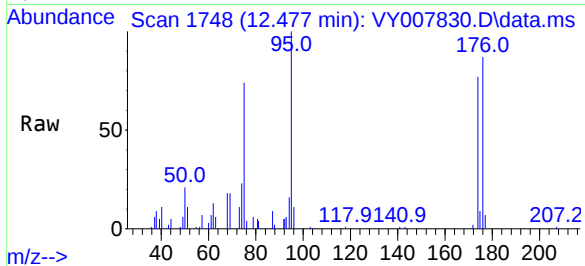




#76
1,2,3-Trichloropropane
Concen: 49.648 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

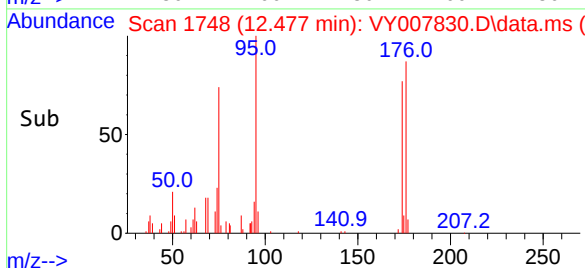
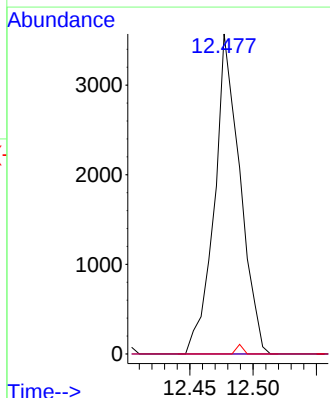
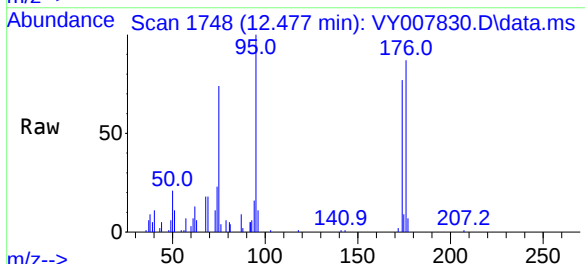
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE

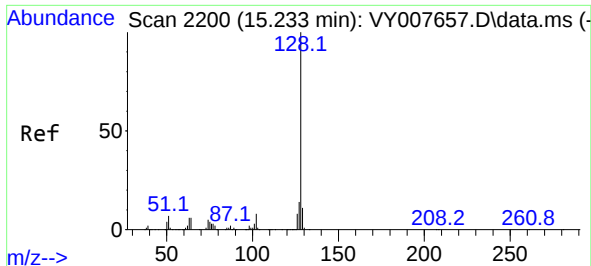
Tgt Ion: 75 Resp: 5025
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 101.499 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

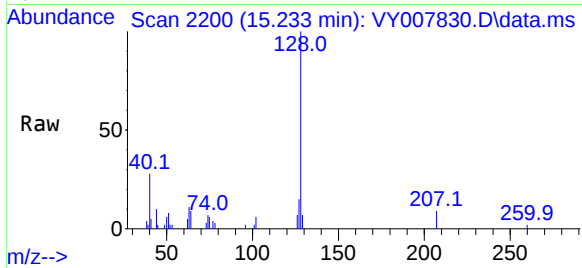
Tgt Ion: 75 Resp: 5025
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.8 37.0 55.4#





#95
Naphthalene
Concen: 14.248 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY007830.D
Acq: 10 Mar 2022 17:09

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-030722RE



Tgt Ion:	128	Resp:	5273
Ion	Ratio	Lower	Upper
128	100		
127	17.1	11.0	16.4#
129	10.1	8.4	12.6

