

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012297.D
 Acq On : 20 Jan 2023 17:46
 Operator : KP/MD
 Sample : 01232-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-19B

Quant Time: Jan 23 02:23:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

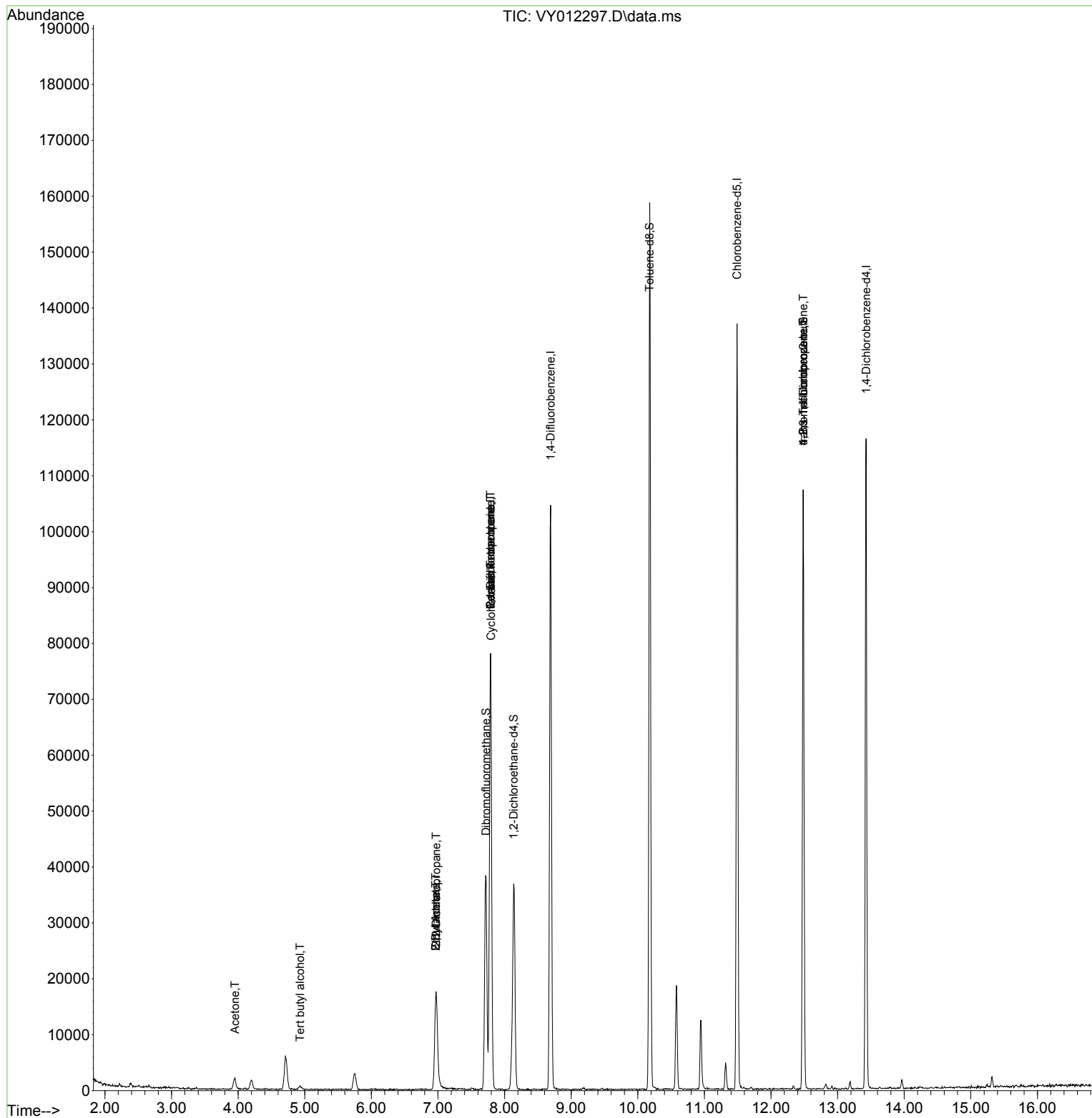
Internal Standards						
1) Pentafluorobenzene	7.789	168	63421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	93969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	80473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	33154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	28763	55.117	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.240%	
35) Dibromofluoromethane	7.722	113	27052	54.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.740%	
50) Toluene-d8	10.179	98	108824	64.369	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 128.740%	
62) 4-Bromofluorobenzene	12.483	95	29180	41.602	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	857	1.499	ug/l #	74
16) Acetone	3.954	43	3758	21.280	ug/l	90
20) Methylene Chloride	4.710	84	5014	Below Cal	#	85
25) 2-Butanone	6.966	43	635	3.257	ug/l #	74
26) 2,2-Dichloropropane	6.972	77	1409	1.303	ug/l #	53
31) Cyclohexane	7.795	56	1254	1.356	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	4121	4.873	ug/l #	52
37) Ethyl Acetate	6.966	43	635	1.703	ug/l #	1
38) Carbon Tetrachloride	7.789	117	6191	5.669	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	14407	47.257	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	14407	97.371	ug/l #	13

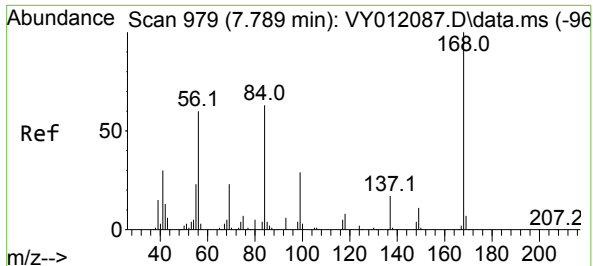
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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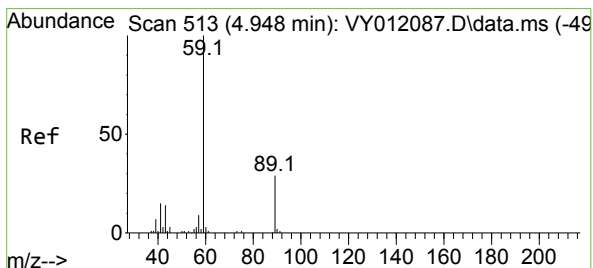
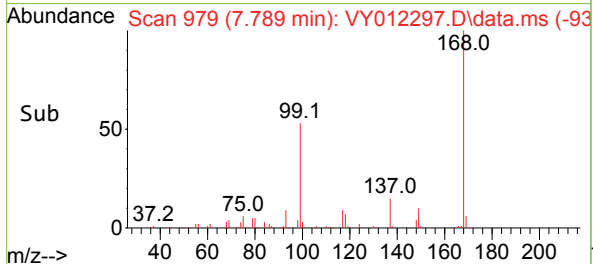
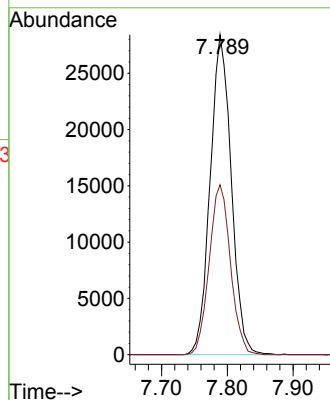
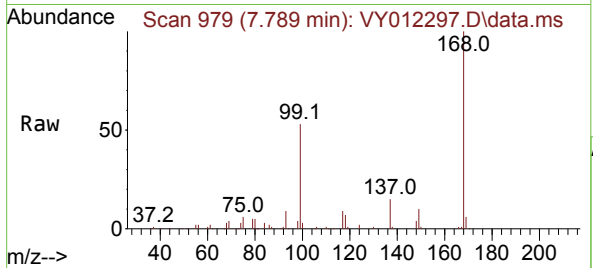




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

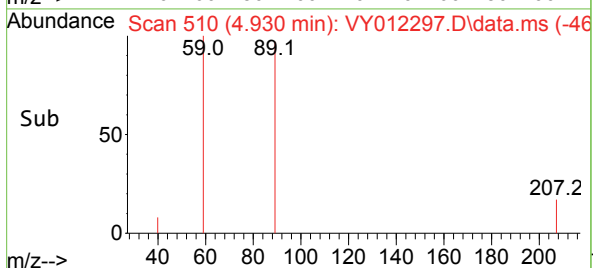
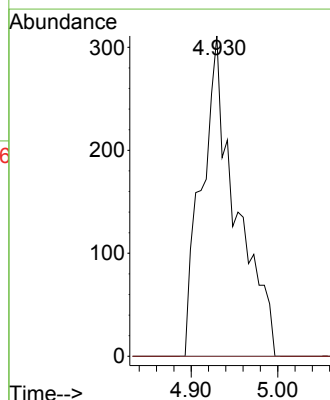
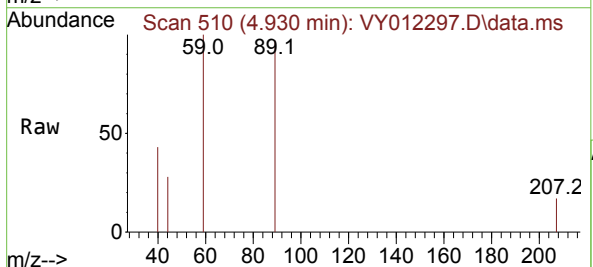
Instrument :
MSVOA_Y
ClientSampleId :
B-P-19B

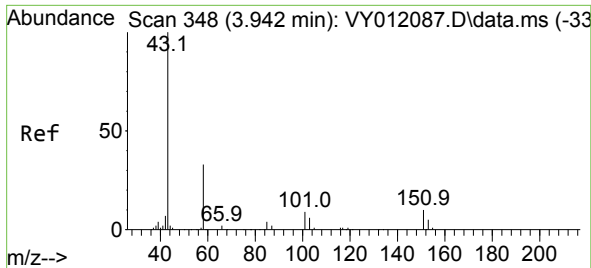
Tgt Ion:168 Resp: 63421
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.499 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

Tgt Ion: 59 Resp: 857
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 21.280 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY012297.D

Acq: 20 Jan 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

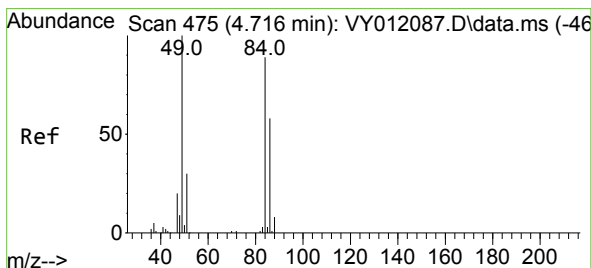
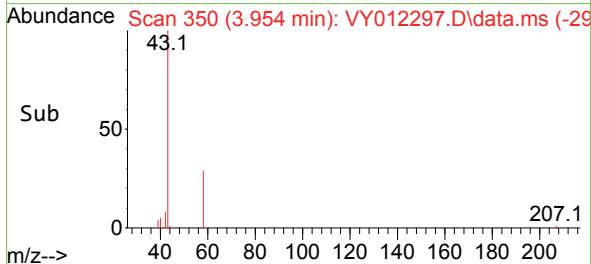
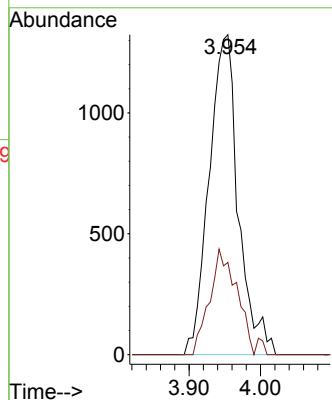
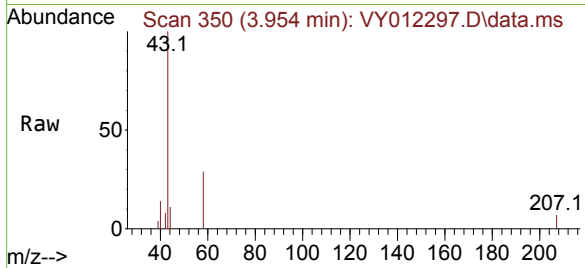
B-P-19B

Tgt Ion: 43 Resp: 3758

Ion Ratio Lower Upper

43 100

58 28.9 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012297.D

Acq: 20 Jan 2023 17:46

Tgt Ion: 84 Resp: 5014

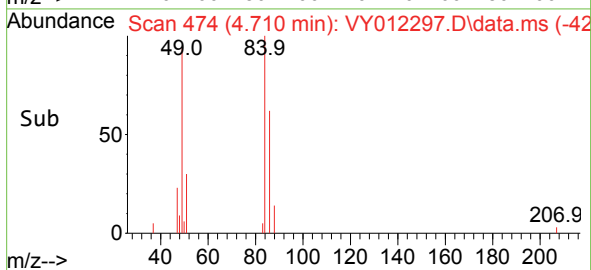
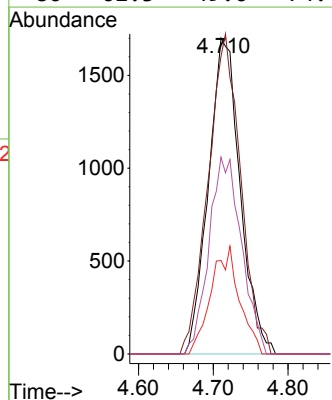
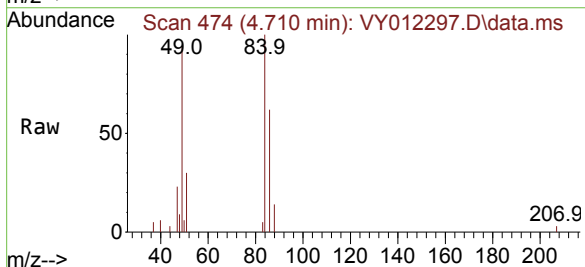
Ion Ratio Lower Upper

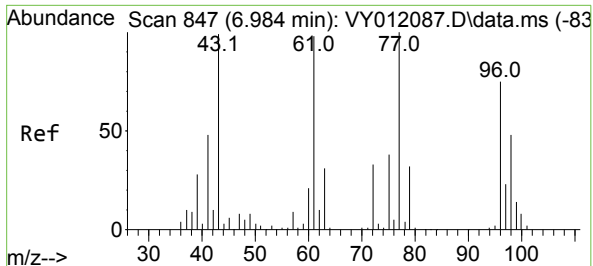
84 100

49 94.2 95.4 143.2#

51 29.6 29.9 44.9#

86 62.3 49.6 74.4





#25

2-Butanone

Concen: 3.257 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY012297.D

Acq: 20 Jan 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

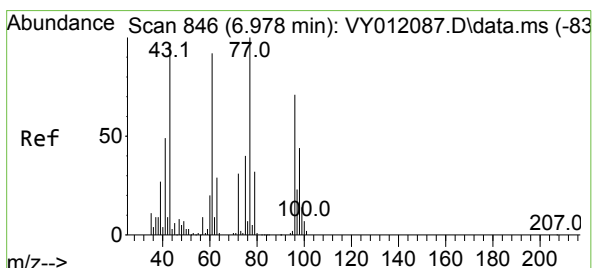
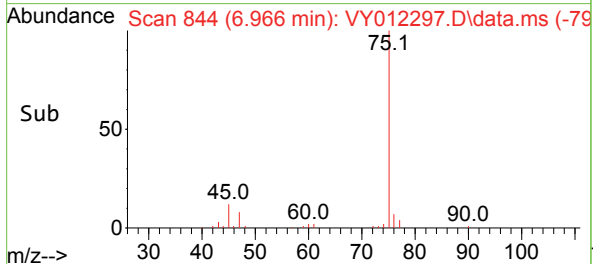
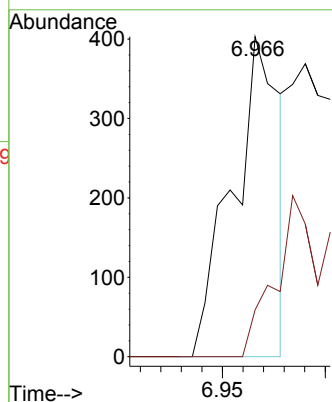
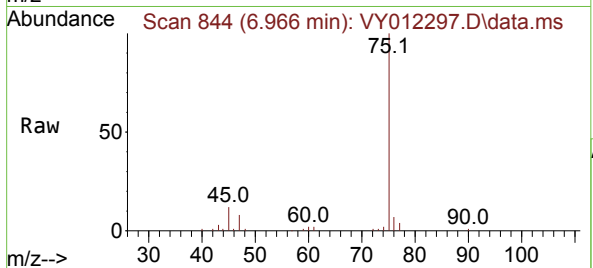
B-P-19B

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

43 100

72 14.6 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 1.303 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY012297.D

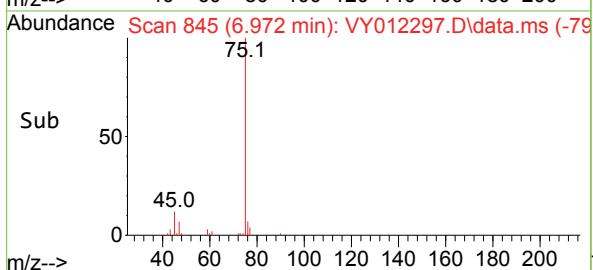
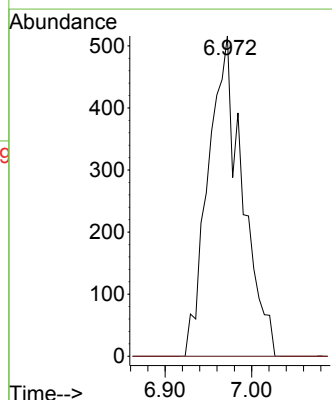
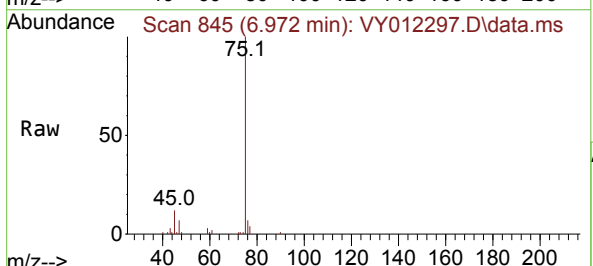
Acq: 20 Jan 2023 17:46

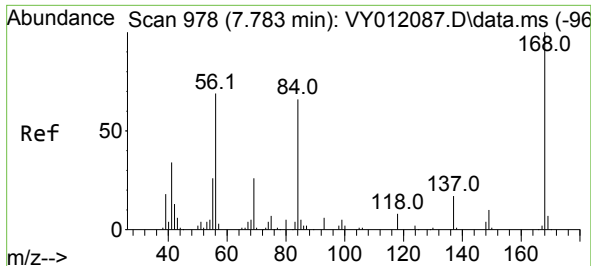
Tgt Ion: 77 Resp: 1409

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#

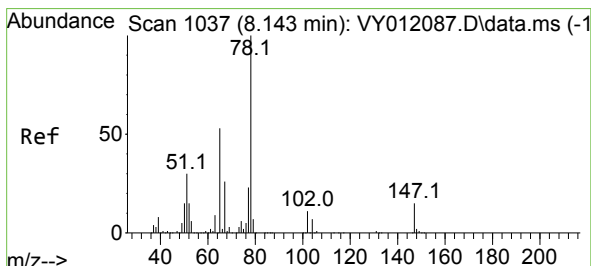
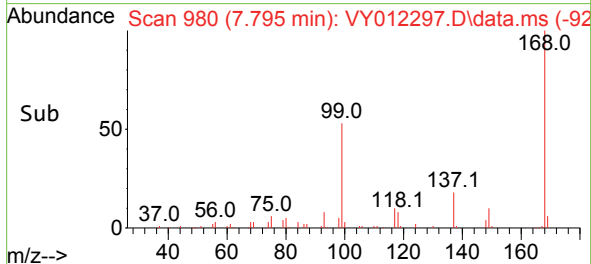
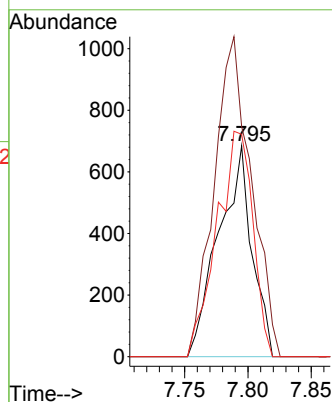
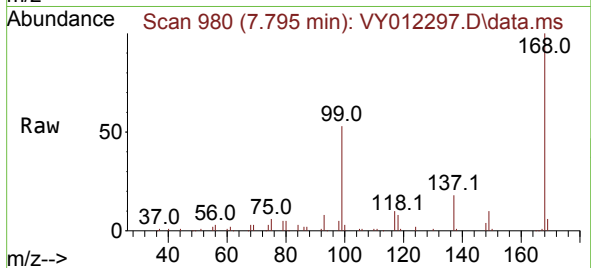




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

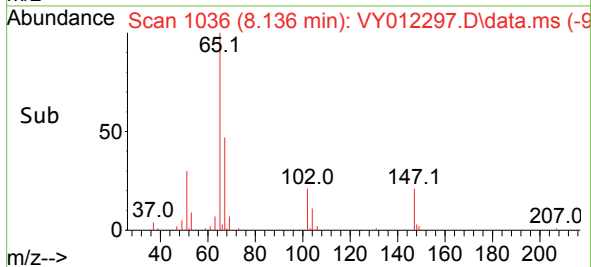
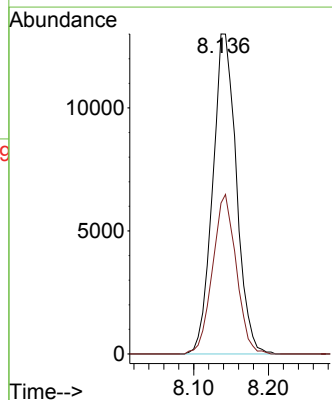
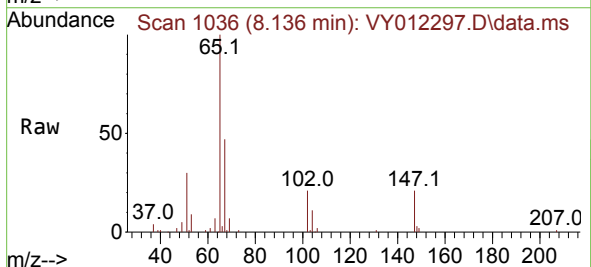
Instrument :
MSVOA_Y
ClientSampleId :
B-P-19B

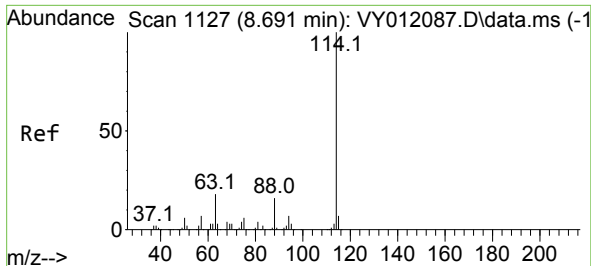
Tgt Ion: 56 Resp: 1254
Ion Ratio Lower Upper
56 100
69 109.1 29.2 43.8#
84 105.4 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 55.117 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

Tgt Ion: 65 Resp: 28763
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012297.D

Acq: 20 Jan 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

B-P-19B

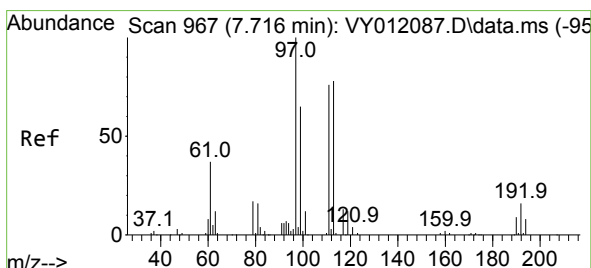
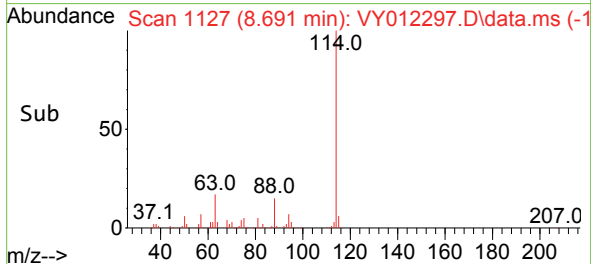
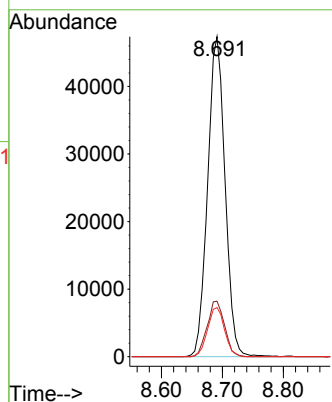
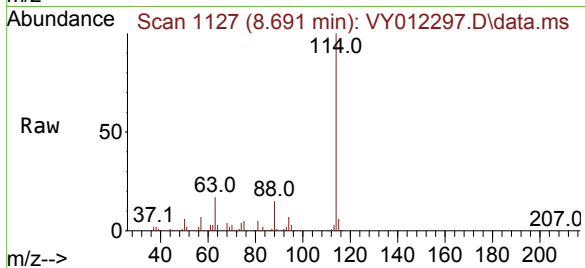
Tgt Ion:114 Resp: 93969

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 54.369 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012297.D

Acq: 20 Jan 2023 17:46

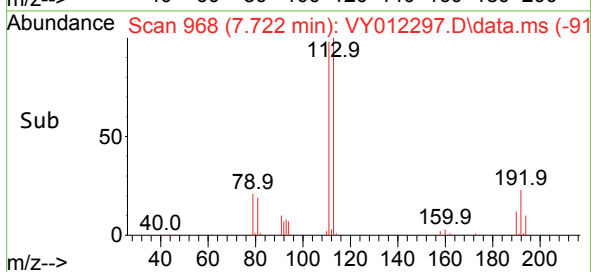
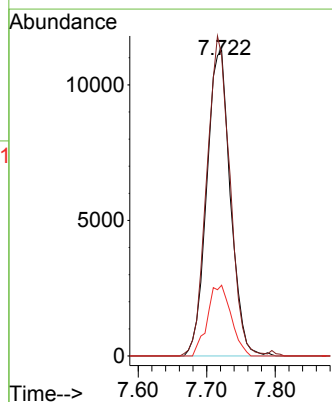
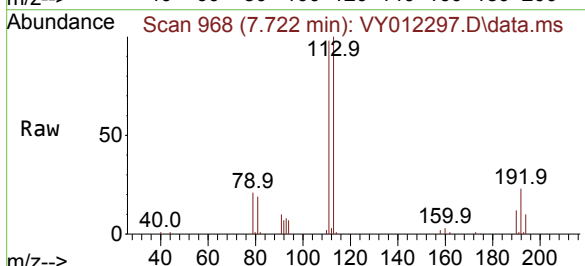
Tgt Ion:113 Resp: 27052

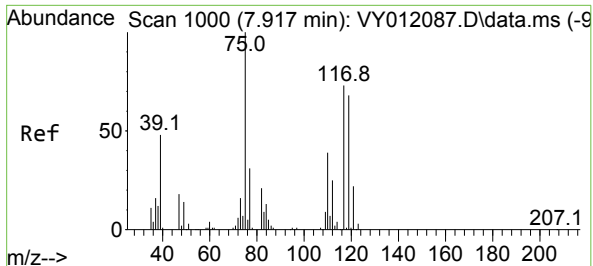
Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

192 23.2 16.0 24.0

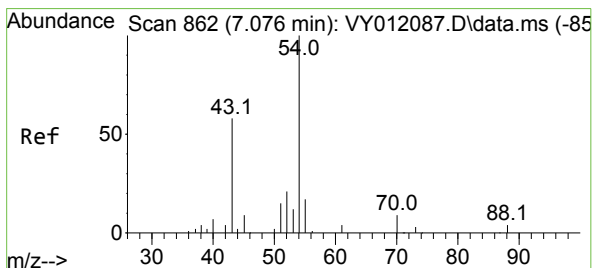
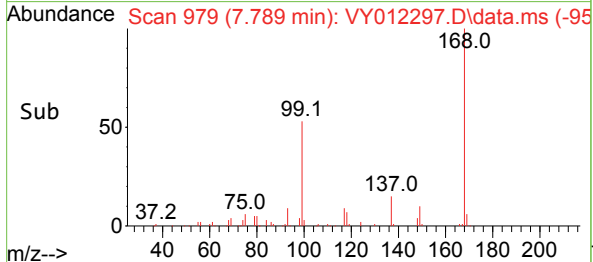
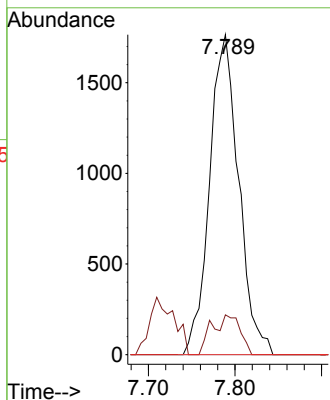
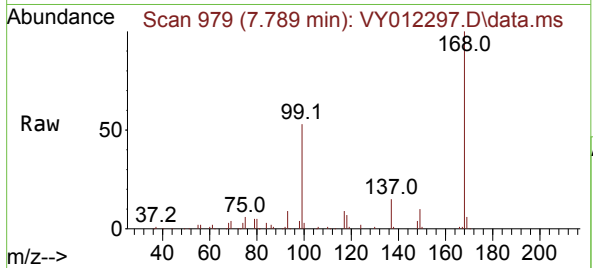




#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

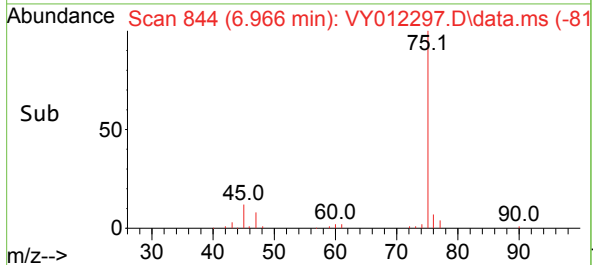
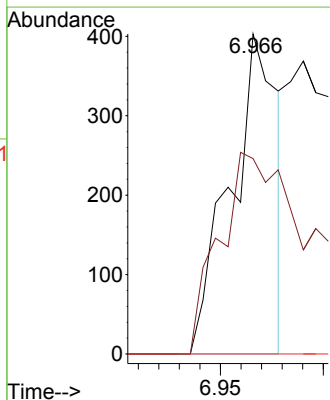
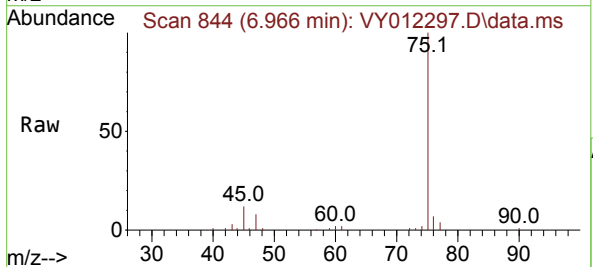
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B-P-19B

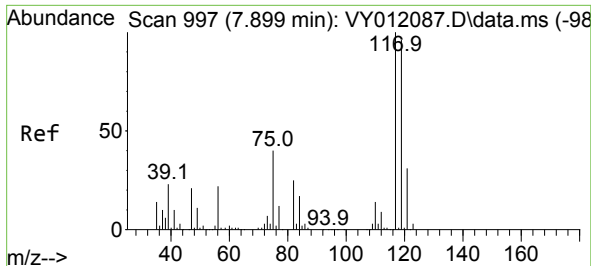
Tgt Ion: 75 Resp: 4121
Ion Ratio Lower Upper
75 100
110 12.0 18.1 54.1#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.703 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.110 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
61 117.2 11.3 16.9#
70 0.0 8.2 12.4#

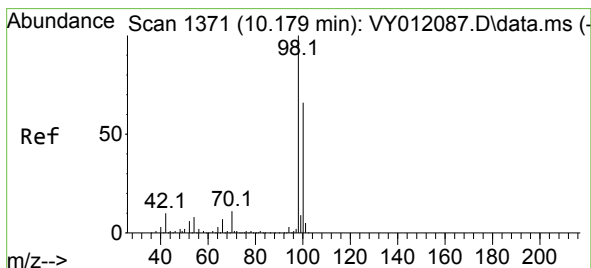
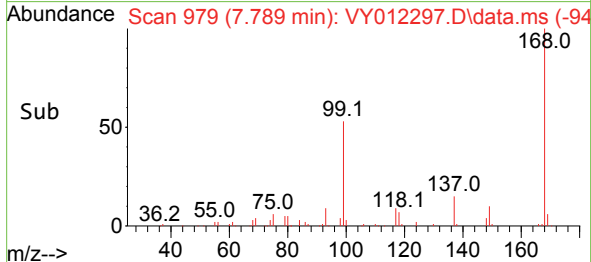
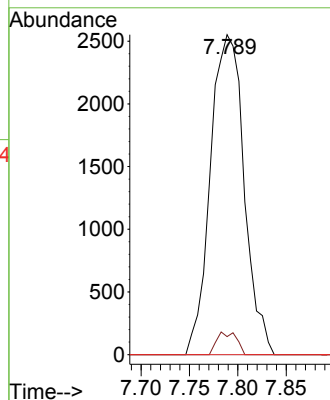
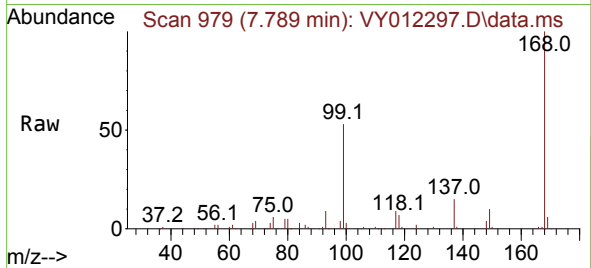




#38
Carbon Tetrachloride
Concen: 5.669 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

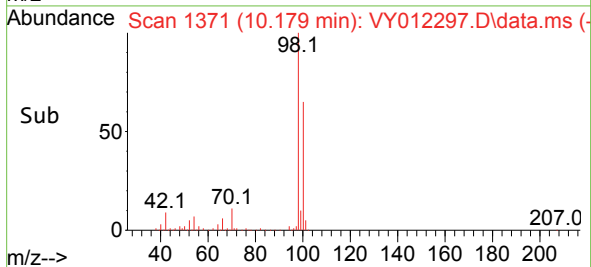
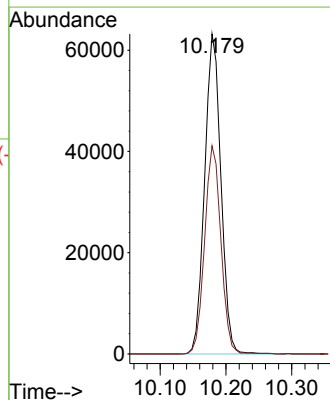
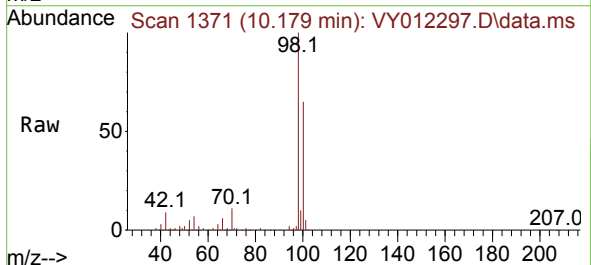
Instrument :
MSVOA_Y
ClientSampleId :
B-P-19B

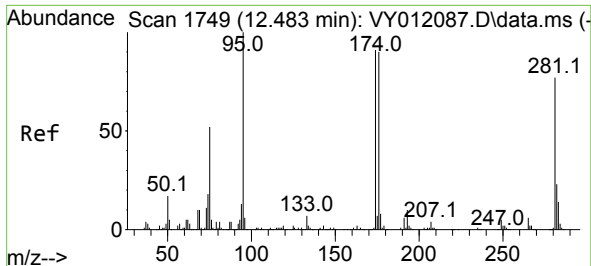
Tgt Ion:117 Resp: 6191
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 64.369 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

Tgt Ion: 98 Resp: 108824
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

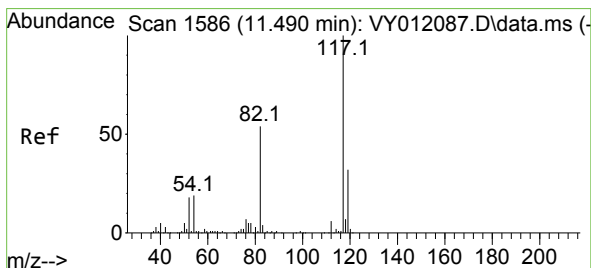
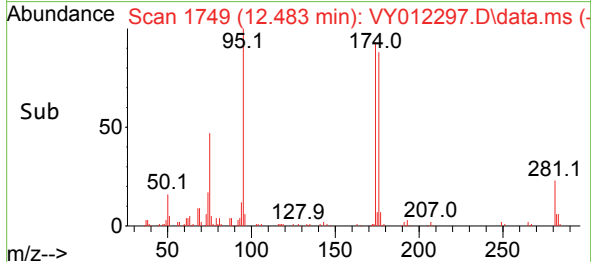
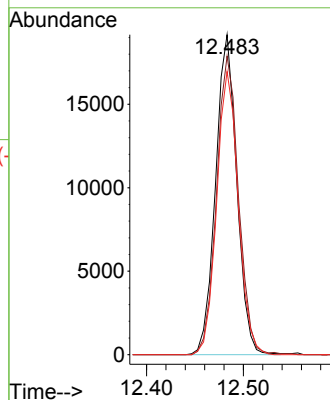
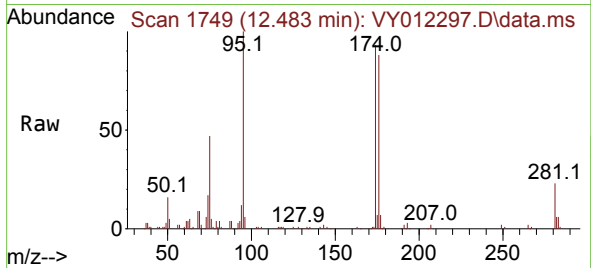




#62
4-Bromofluorobenzene
Concen: 41.602 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

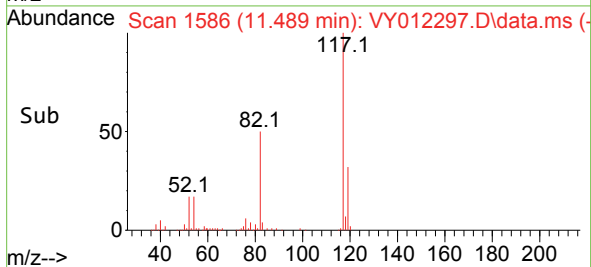
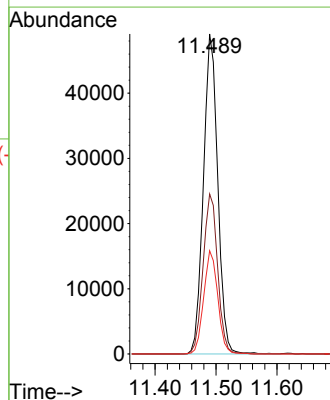
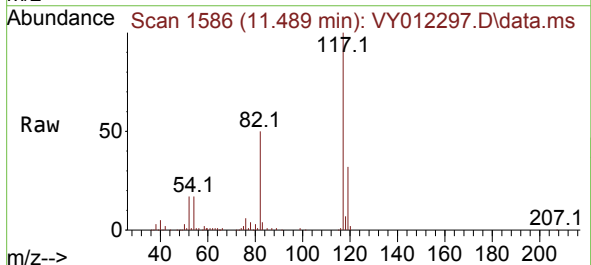
Instrument :
MSVOA_Y
ClientSampleId :
B-P-19B

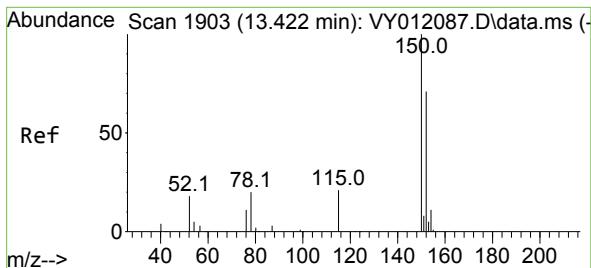
Tgt Ion: 95 Resp: 29180
Ion Ratio Lower Upper
95 100
174 96.9 0.0 172.0
176 89.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012297.D
Acq: 20 Jan 2023 17:46

Tgt Ion: 117 Resp: 80473
Ion Ratio Lower Upper
117 100
82 50.0 44.8 67.2
119 32.2 25.4 38.2

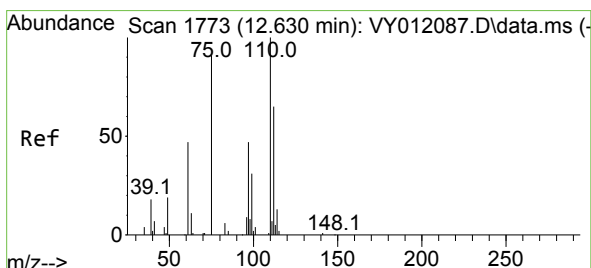
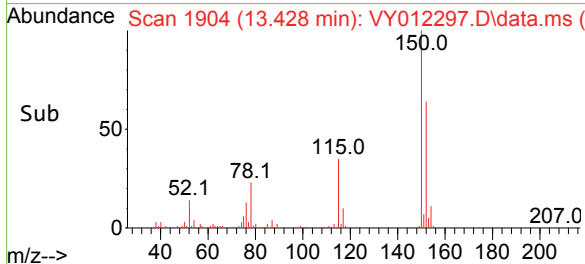
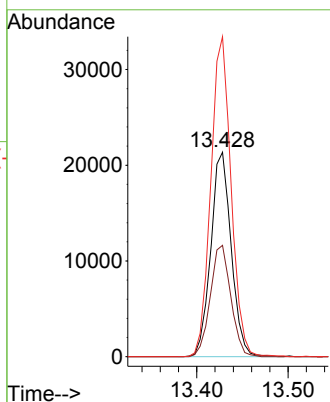
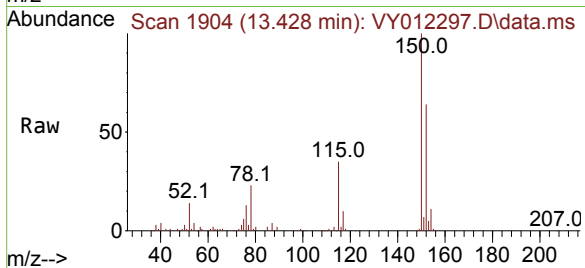




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY012297.D
 Acq: 20 Jan 2023 17:46

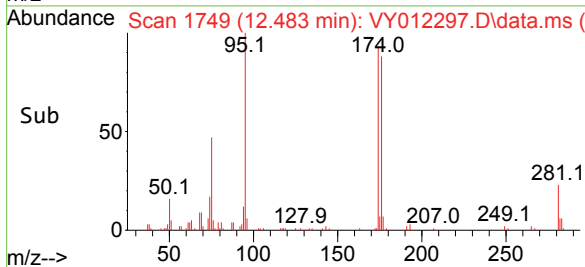
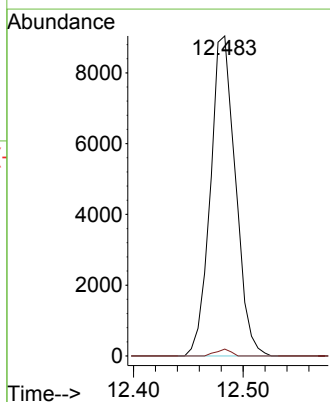
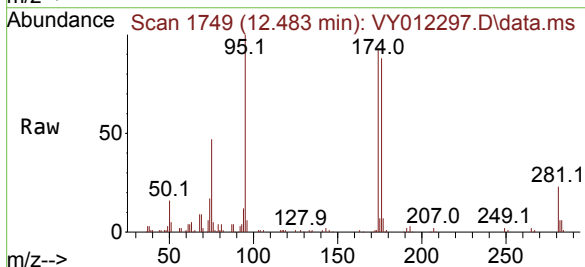
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-19B

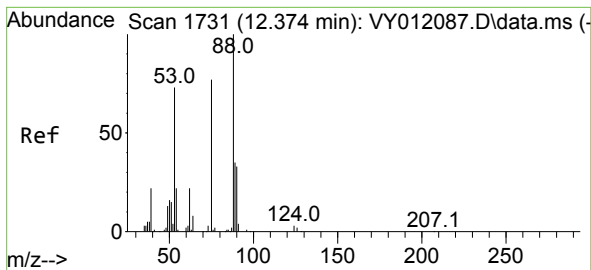
Tgt Ion:152 Resp: 33154
 Ion Ratio Lower Upper
 152 100
 115 54.7 29.1 87.3
 150 155.6 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 47.257 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012297.D
 Acq: 20 Jan 2023 17:46

Tgt Ion: 75 Resp: 14407
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.371 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012297.D
 Acq: 20 Jan 2023 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-19B

Tgt Ion: 75 Resp: 14407
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.3 37.0 55.4#

