

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013917.D
 Acq On : 30 May 2023 14:22
 Operator : KP/MD
 Sample : 02945-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB17A

Quant Time: May 30 15:38:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

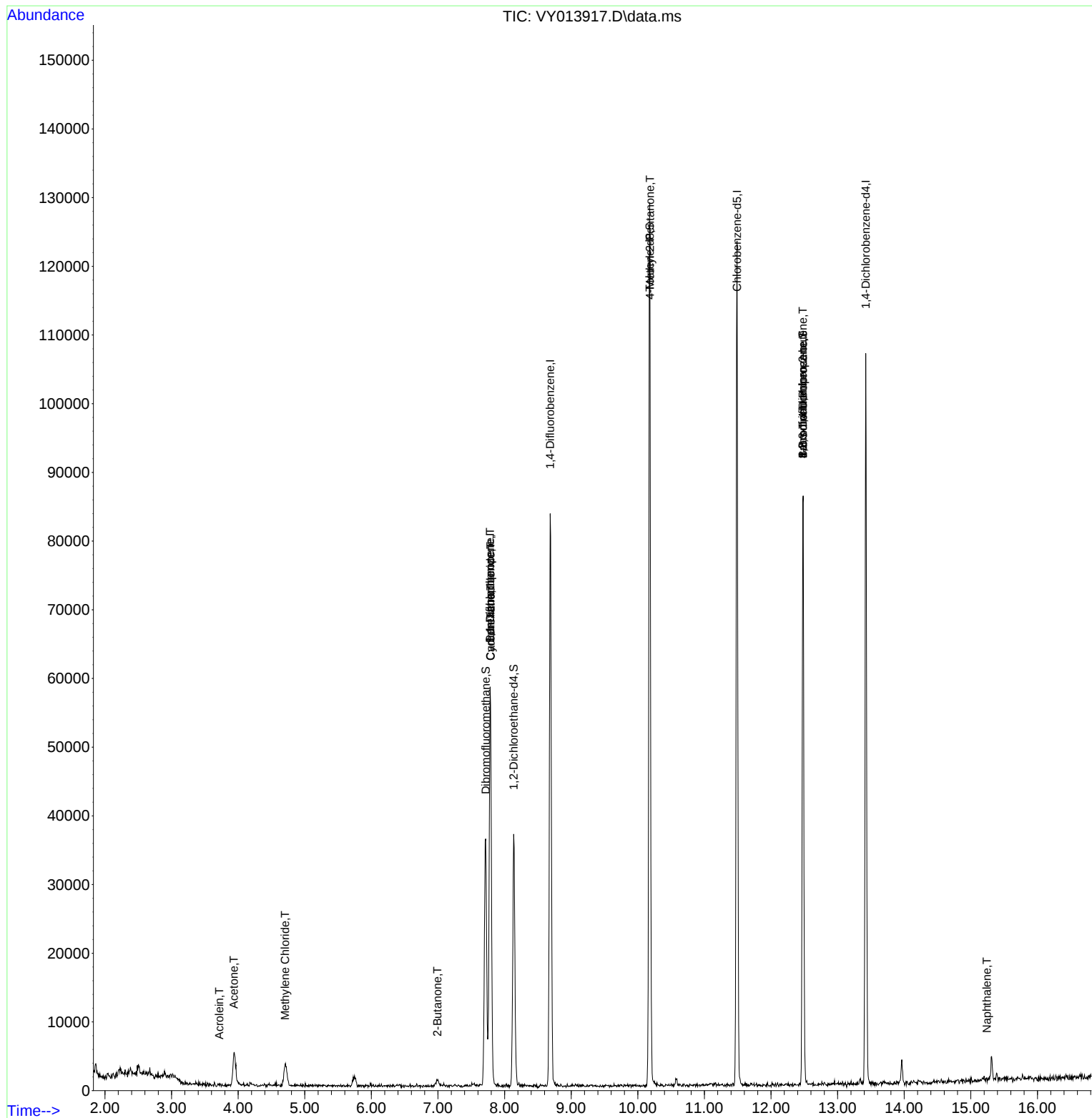
Internal Standards						
1) Pentafluorobenzene	7.783	168	45236	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	69895	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	65044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	27112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	29835	57.009	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.020%			
35) Dibromofluoromethane	7.716	113	25164	55.748	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.500%			
50) Toluene-d8	10.179	98	85424	49.793	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.580%			
62) 4-Bromofluorobenzene	12.477	95	24434	42.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.700%			
Target Compounds						
					Qvalue	
13) Acrolein	3.717	56	87	1.443	ug/l #	45
16) Acetone	3.936	43	9135	58.812	ug/l	98
20) Methylene Chloride	4.704	84	2486	2.080	ug/l	92
25) 2-Butanone	6.990	43	1305	6.885	ug/l	90
31) Cyclohexane	7.789	56	1145	1.424	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	3644	5.300	ug/l #	49
38) Carbon Tetrachloride	7.789	117	4465	5.711	ug/l #	18
51) 4-Methyl-2-Pentanone	10.185	43	432	1.061	ug/l #	1
71) Bromoform	12.477	173	360	1.047	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	12964	40.552	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	12964	88.026	ug/l #	10
95) Naphthalene	15.239	128	369	4.839	ug/l #	68

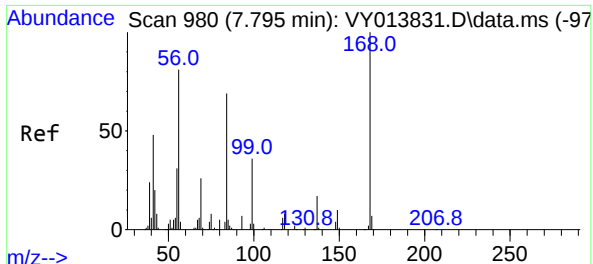
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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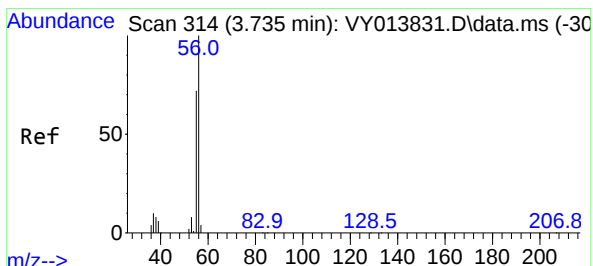
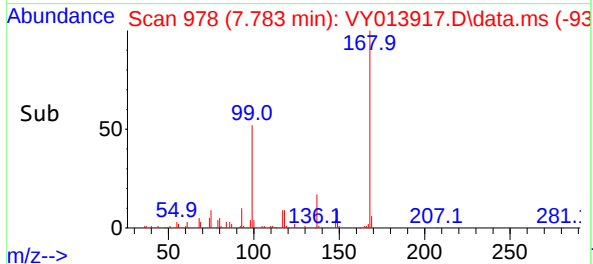
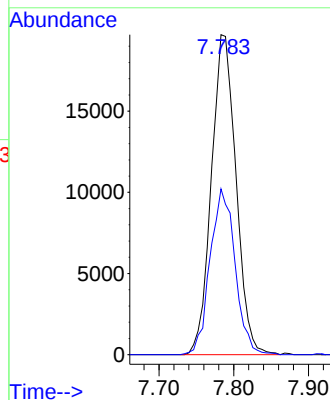
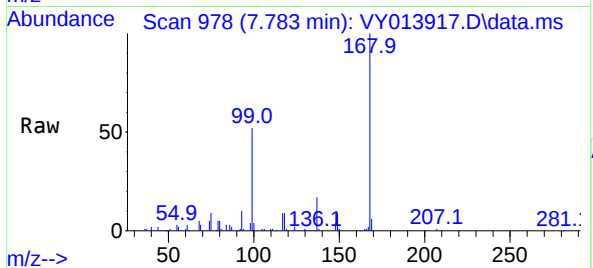




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

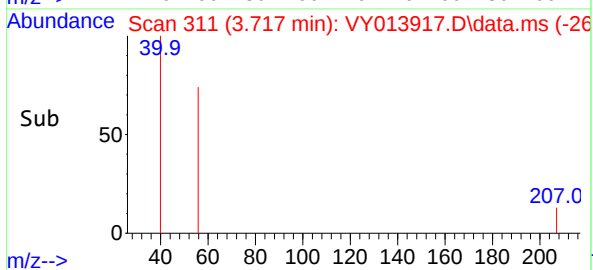
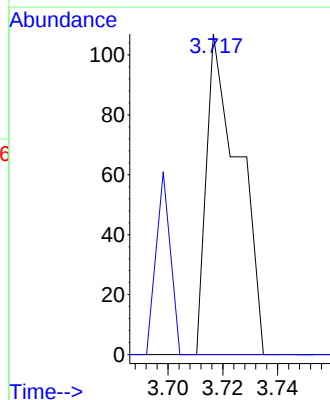
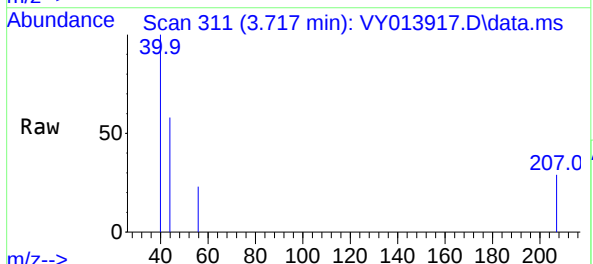
Instrument :
MSVOA_Y
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SB17A

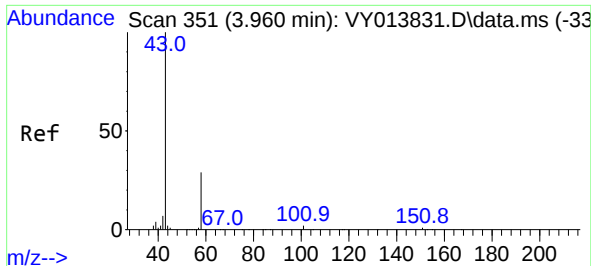
Tgt Ion:168 Resp: 45236
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.2



#13
Acrolein
Concen: 1.443 ug/l
RT: 3.717 min Scan# 311
Delta R.T. -0.018 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 25.3 56.2 84.2#

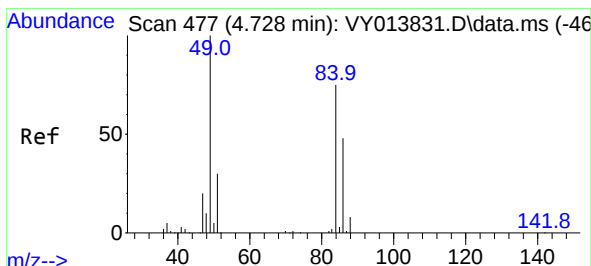
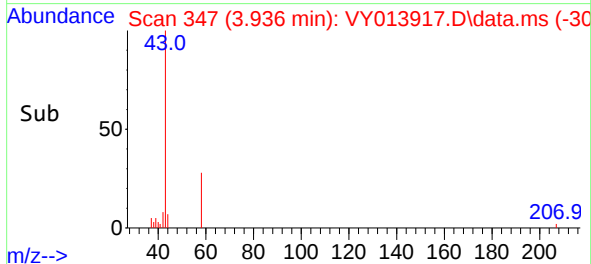
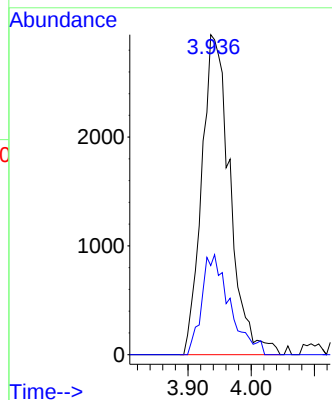
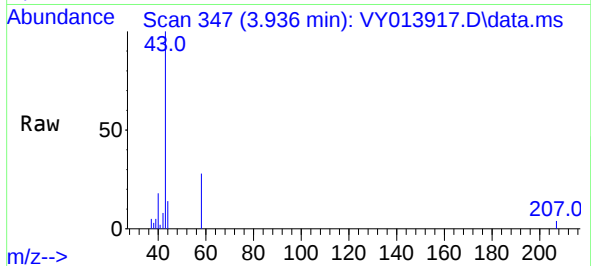




#16
Acetone
Concen: 58.812 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.024 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

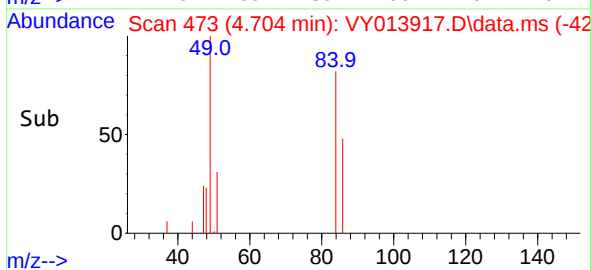
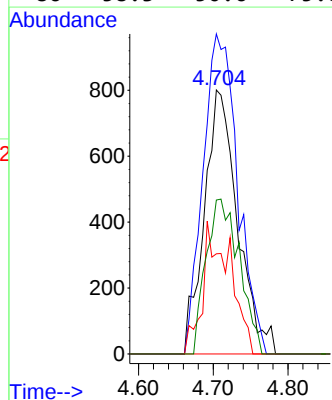
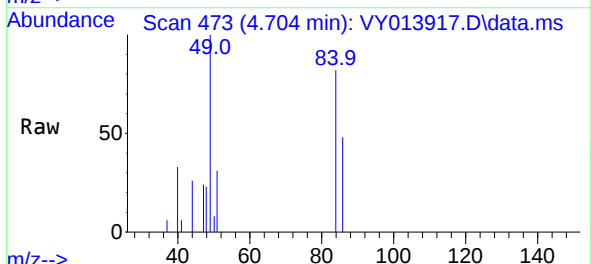
Instrument :
MSVOA_Y
ClientSampleId :
SB17A

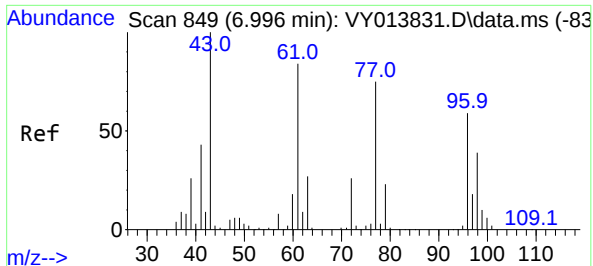
Tgt Ion: 43 Resp: 9135
Ion Ratio Lower Upper
43 100
58 27.8 23.3 34.9



#20
Methylene Chloride
Concen: 2.080 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.024 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion: 84 Resp: 2486
Ion Ratio Lower Upper
84 100
49 121.2 106.2 159.2
51 38.0 31.4 47.0
86 58.3 50.6 75.8





#25

2-Butanone

Concen: 6.885 ug/l

RT: 6.990 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY013917.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

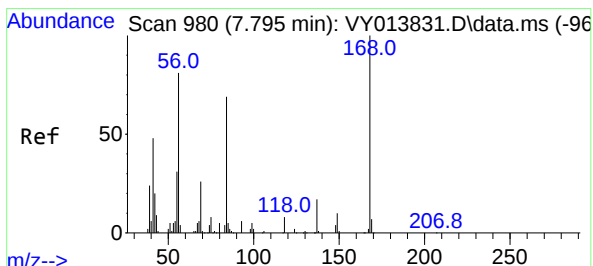
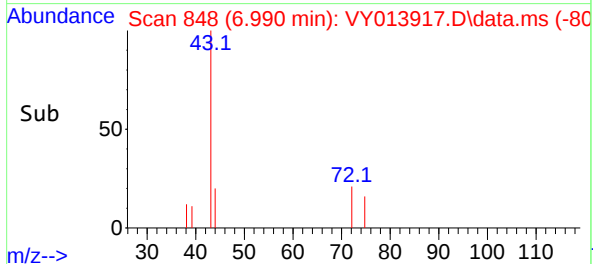
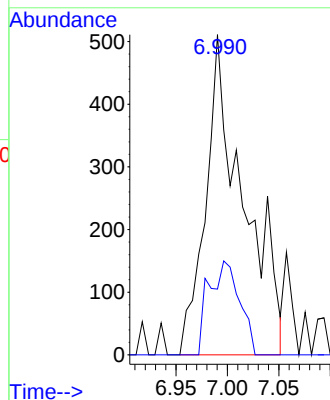
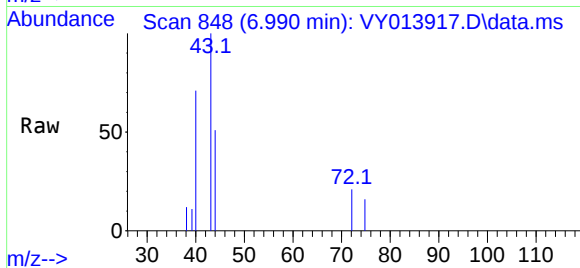
SB17A

Tgt Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

72 20.5 20.5 30.7



#31

Cyclohexane

Concen: 1.424 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY013917.D

Acq: 30 May 2023 14:22

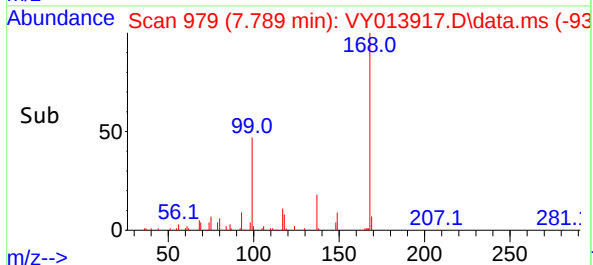
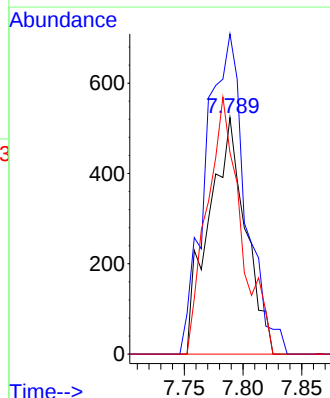
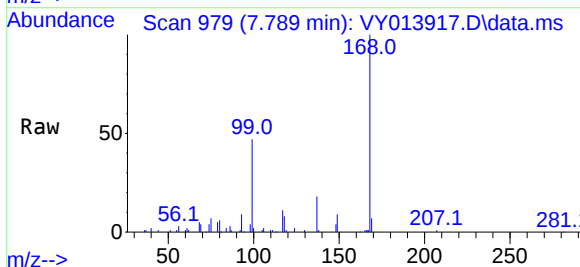
Tgt Ion: 56 Resp: 1145

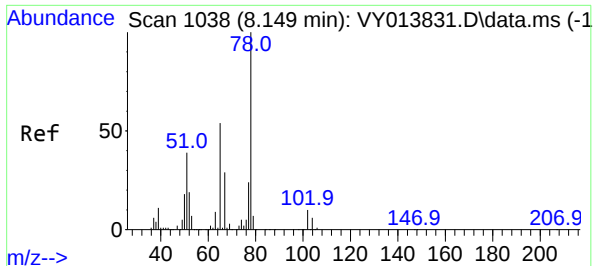
Ion Ratio Lower Upper

56 100

69 135.3 25.8 38.8#

84 85.1 68.2 102.2





#33

1,2-Dichloroethane-d4

Concen: 57.009 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY013917.D

Acq: 30 May 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

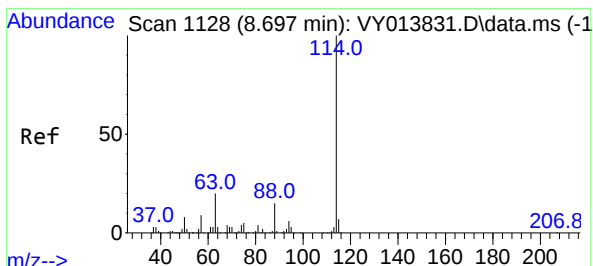
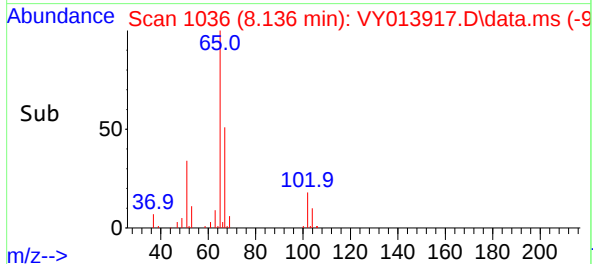
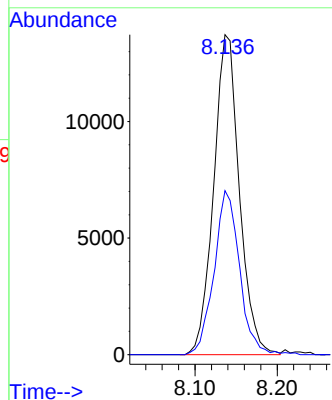
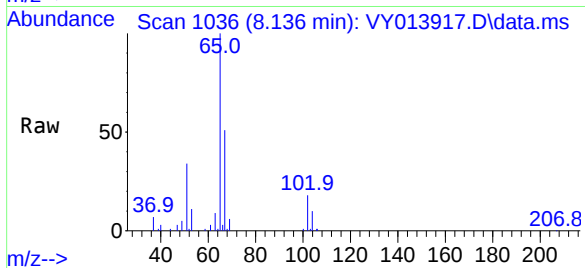
SB17A

Tgt Ion: 65 Resp: 29835

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013917.D

Acq: 30 May 2023 14:22

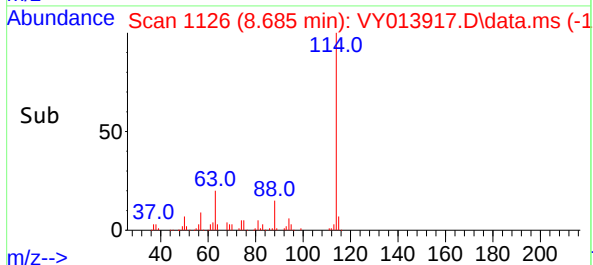
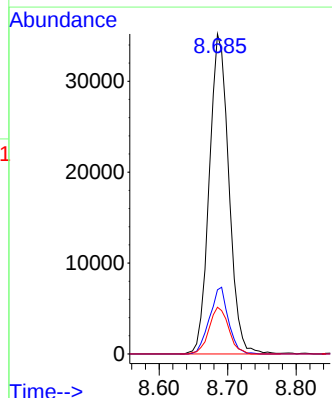
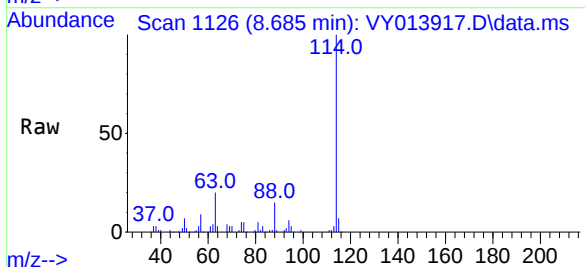
Tgt Ion: 114 Resp: 69895

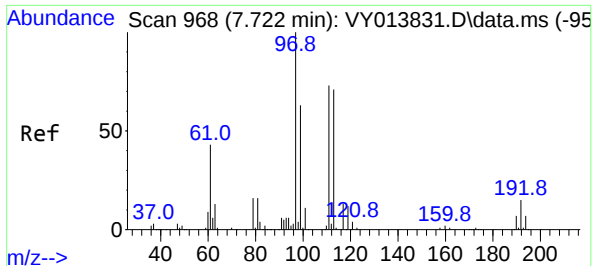
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 14.6 0.0 30.0

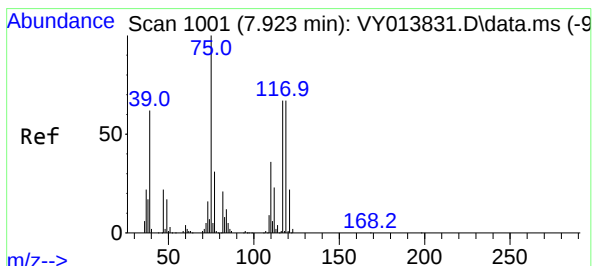
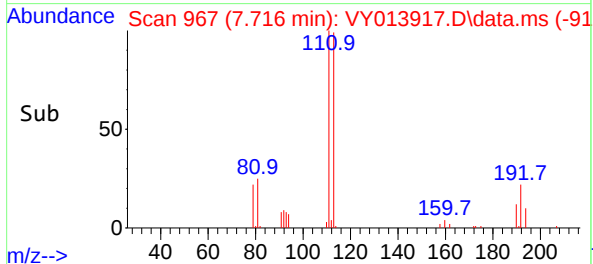
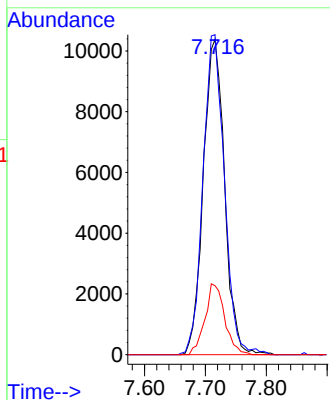
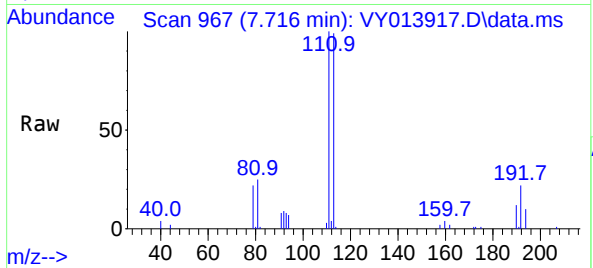




#35
Dibromofluoromethane
Concen: 55.748 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

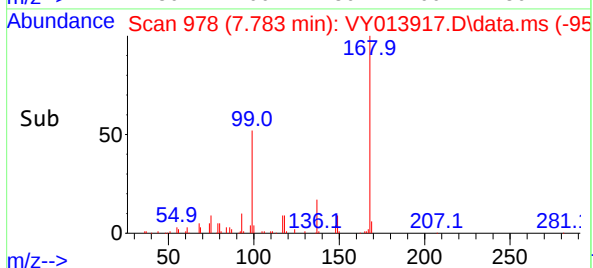
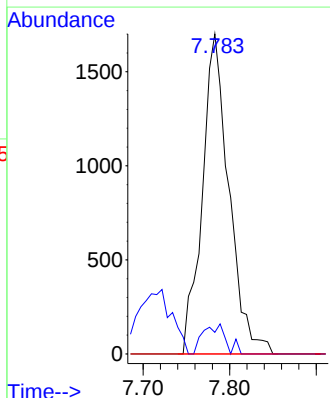
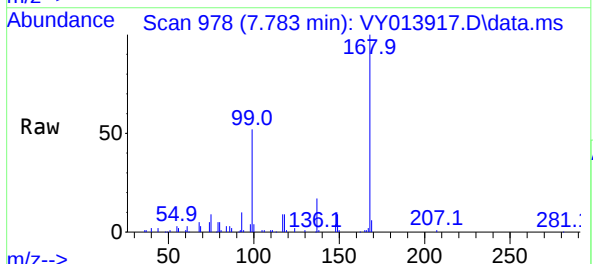
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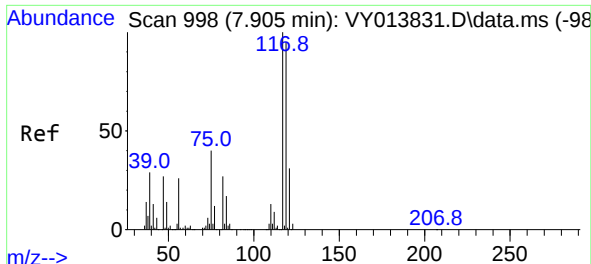
Tgt Ion:	113	Resp:	25164
Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.4	120.6
192	20.9	16.6	25.0



#36
1,1-Dichloropropene
Concen: 5.300 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion:	75	Resp:	3644
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.5	52.6#
77	0.0	24.4	36.6#

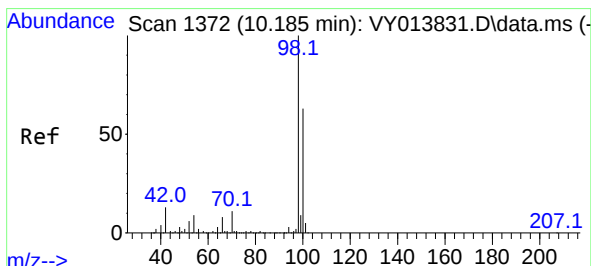
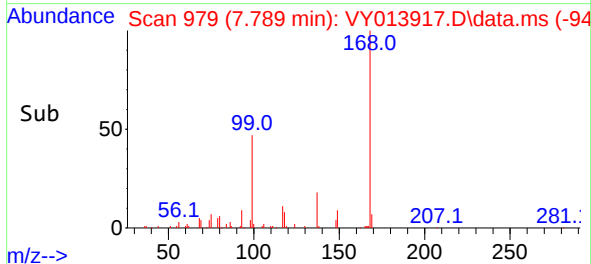
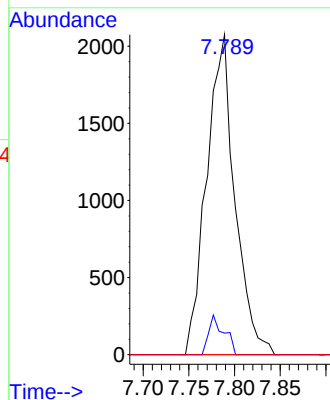
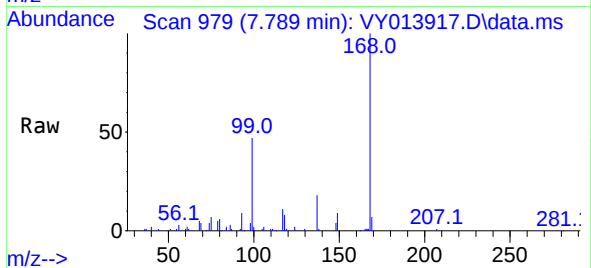




#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

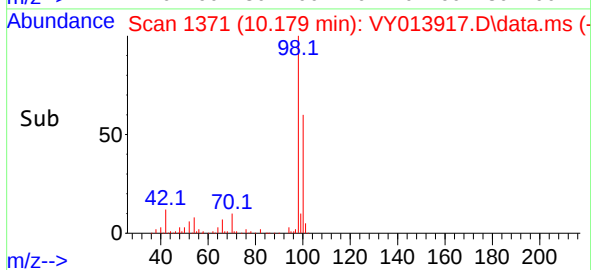
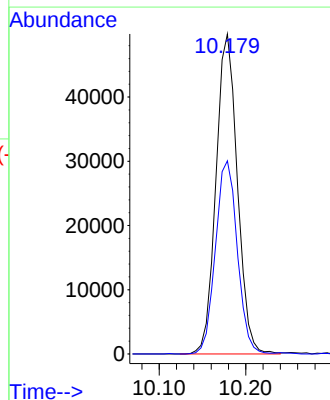
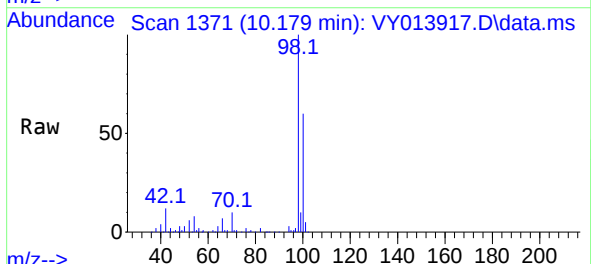
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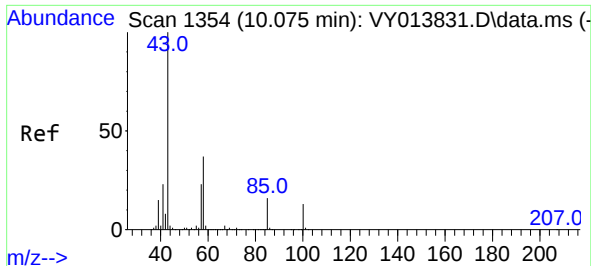
Tgt Ion:117 Resp: 4465
Ion Ratio Lower Upper
117 100
119 6.7 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.793 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion: 98 Resp: 85424
Ion Ratio Lower Upper
98 100
100 61.6 50.8 76.2

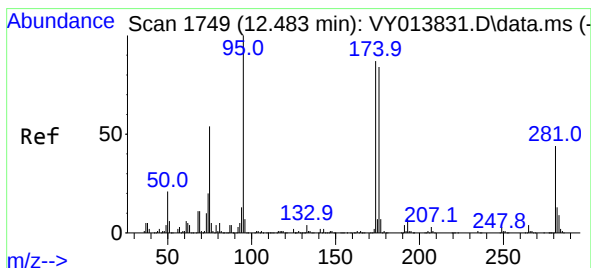
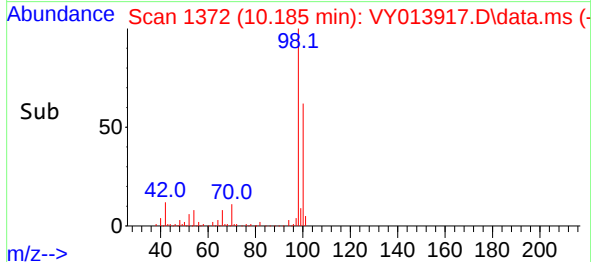
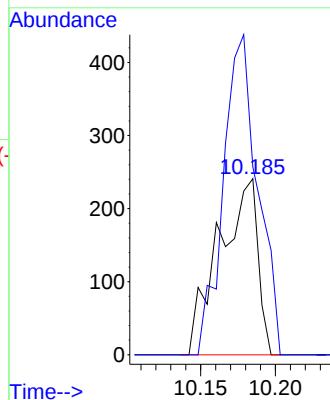
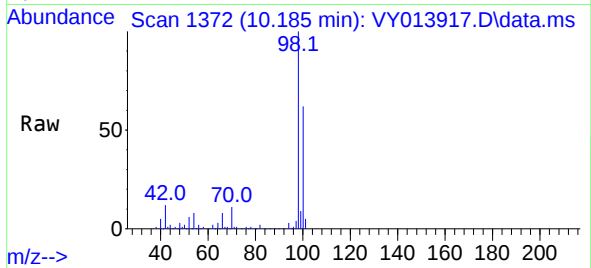




#51
4-Methyl-2-Pentanone
Concen: 1.061 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

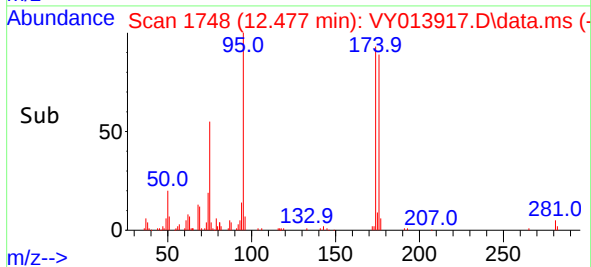
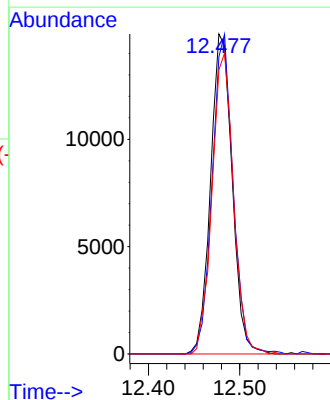
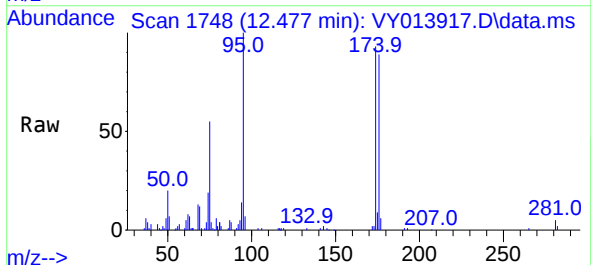
Instrument :
MSVOA_Y
ClientSampleId :
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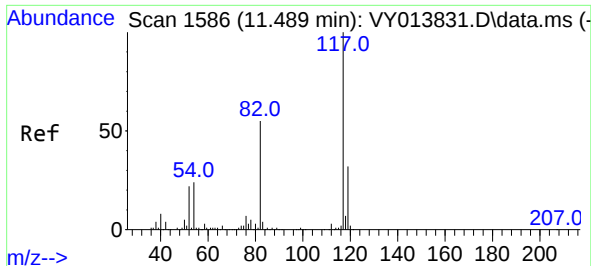
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 162.3 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 42.847 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion: 95 Resp: 24434
Ion Ratio Lower Upper
95 100
174 96.8 0.0 176.0
176 93.4 0.0 170.2

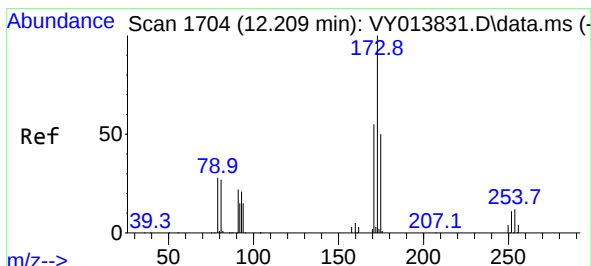
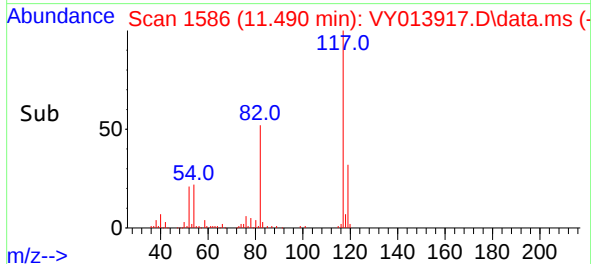
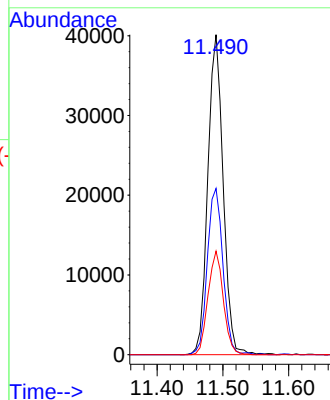
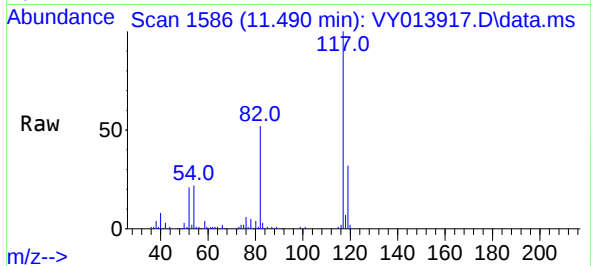




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

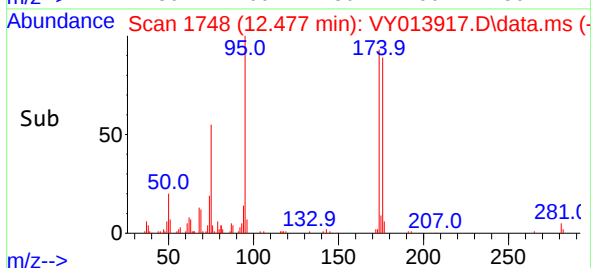
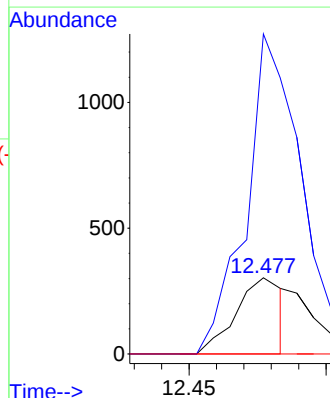
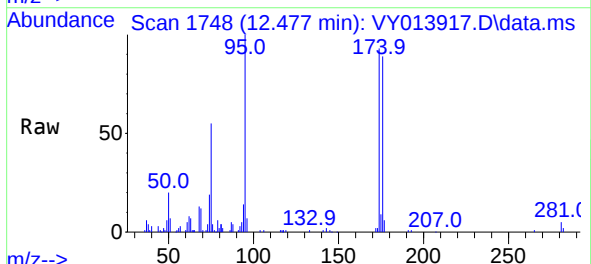
Instrument :
MSVOA_Y
ClientSampleId :
SB17A

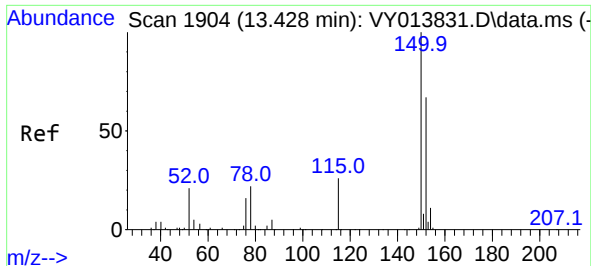
Tgt Ion:	117	Resp:	65044
Ion	Ratio	Lower	Upper
117	100		
82	52.0	44.2	66.4
119	32.4	25.7	38.5



#71
Bromoform
Concen: 1.047 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.268 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion:	173	Resp:	360
Ion	Ratio	Lower	Upper
173	100		
175	338.9	25.1	75.4#
254	0.0	0.1	0.1#

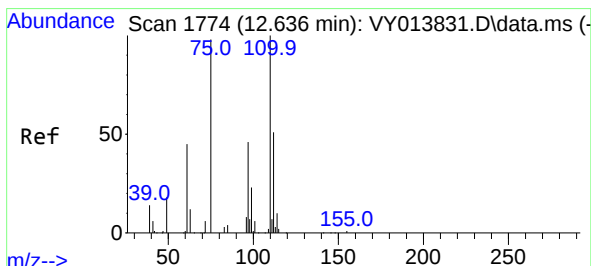
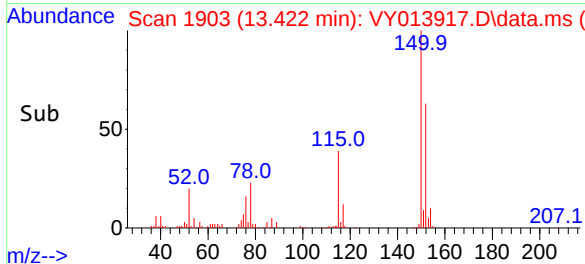
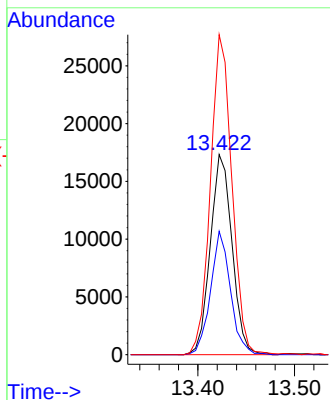
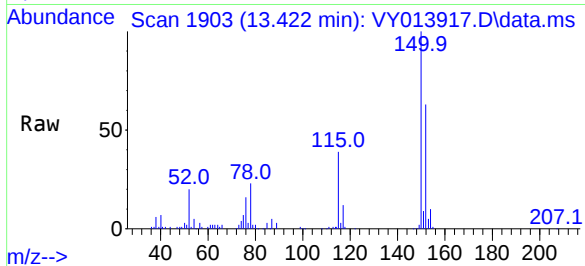




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

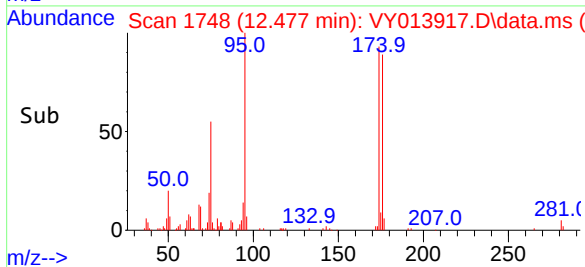
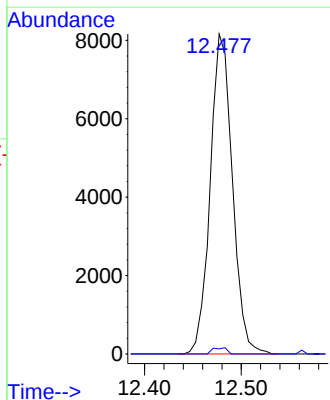
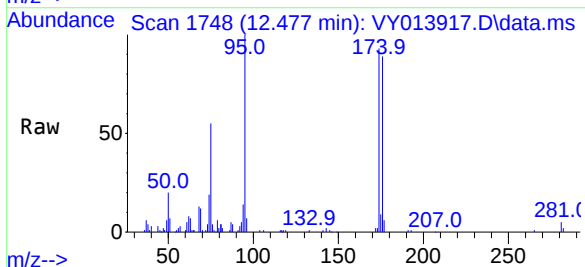
Instrument :
MSVOA_Y
ClientSampleId :
SB17A

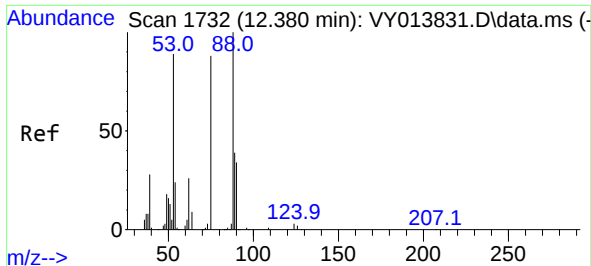
Tgt Ion:152 Resp: 27112
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.5
150 157.4 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 40.552 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion: 75 Resp: 12964
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

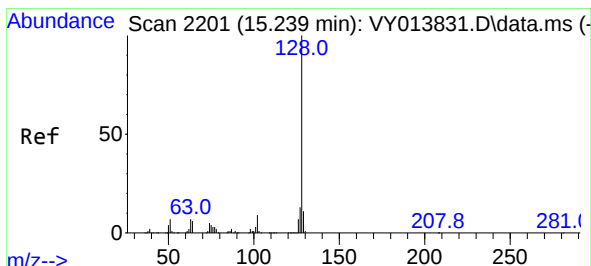
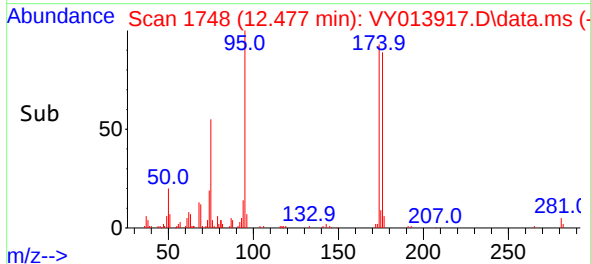
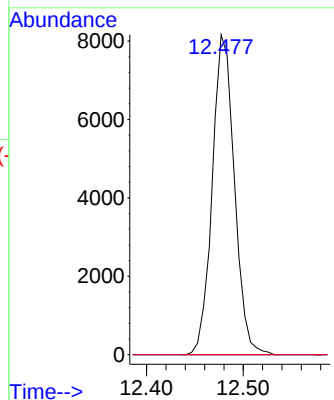
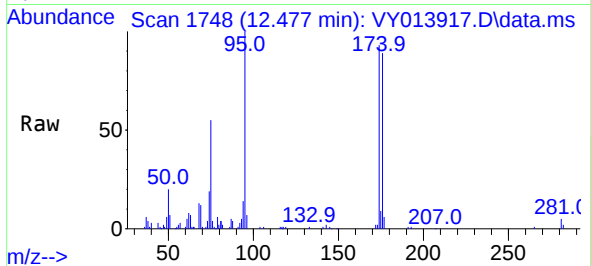




#81
trans-1,4-Dichloro-2-butene
Concen: 88.026 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Instrument :
MSVOA_Y
ClientSampleId :
SB17A

Tgt Ion: 75 Resp: 12964
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 4.839 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013917.D
Acq: 30 May 2023 14:22

Tgt Ion:128 Resp: 369
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

