

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013798.D
 Acq On : 18 May 2023 13:52
 Operator : KP/MD
 Sample : 02828-03
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3

Quant Time: May 19 03:21:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

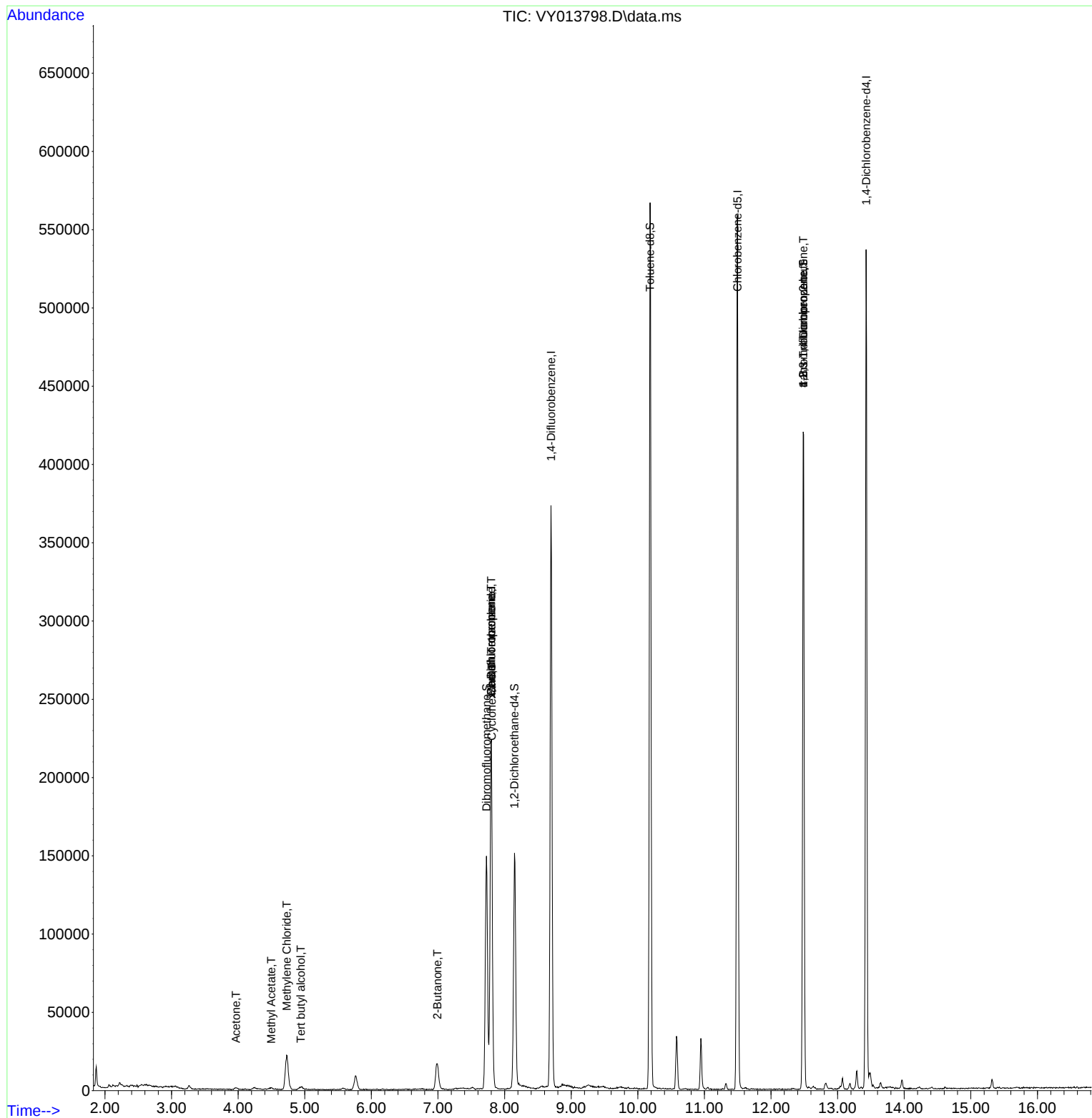
Internal Standards						
1) Pentafluorobenzene	7.801	168	171029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	300509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	291922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	121577	61.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.380%			
35) Dibromofluoromethane	7.728	113	101135	52.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.960%			
50) Toluene-d8	10.185	98	368094	50.385	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.483	95	122020	50.284	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	1206	7.493	ug/l #	73
16) Acetone	3.966	43	2012	3.357	ug/l #	84
18) Methyl Acetate	4.497	43	2152	1.030	ug/l #	81
20) Methylene Chloride	4.729	84	15869	3.015	ug/l	96
25) 2-Butanone	6.990	43	1441	1.849	ug/l #	52
31) Cyclohexane	7.807	56	4021	1.412	ug/l #	50
36) 1,1-Dichloropropene	7.795	75	14047	5.276	ug/l #	52
38) Carbon Tetrachloride	7.801	117	17614	6.271	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	66750	41.219	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66750	91.770	ug/l #	12

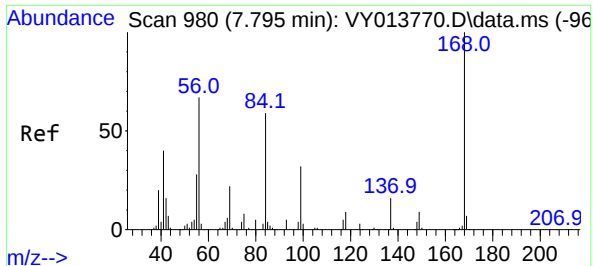
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
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Response via : Initial Calibration

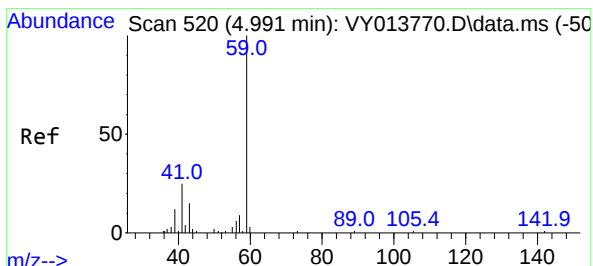
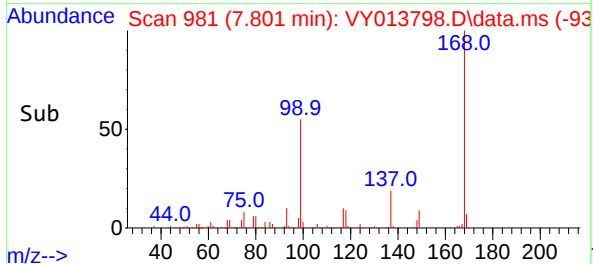
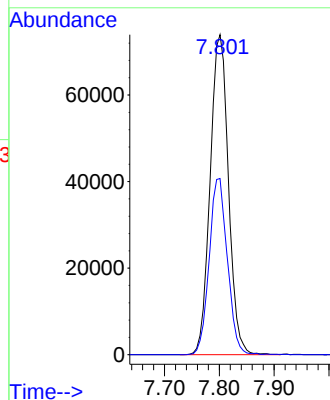
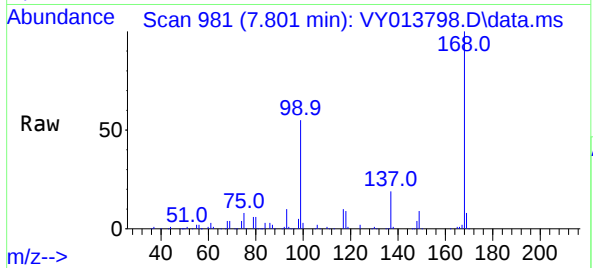




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

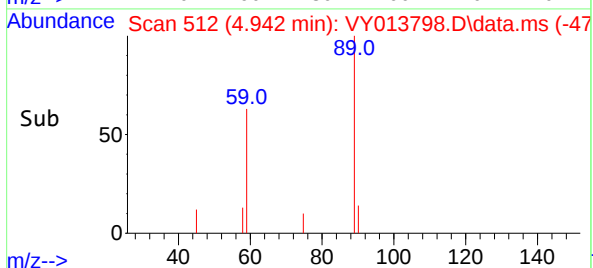
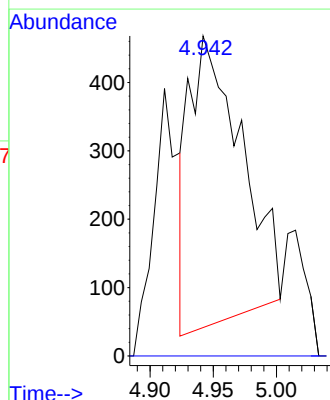
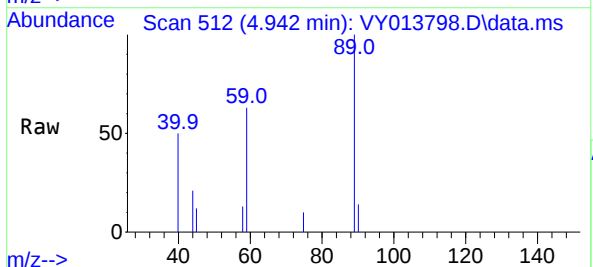
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

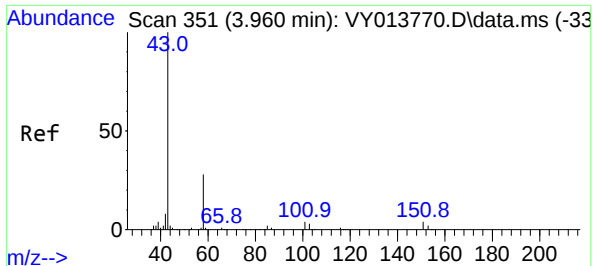
Tgt Ion:168 Resp: 171029
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0



#11
Tert butyl alcohol
Concen: 7.493 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.049 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 59 Resp: 1206
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

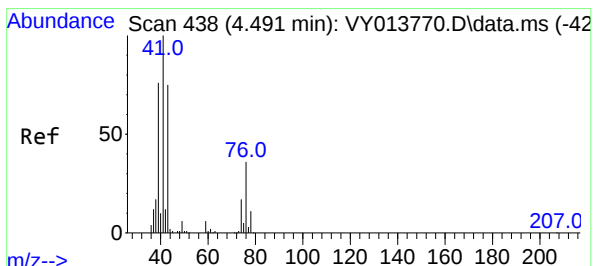
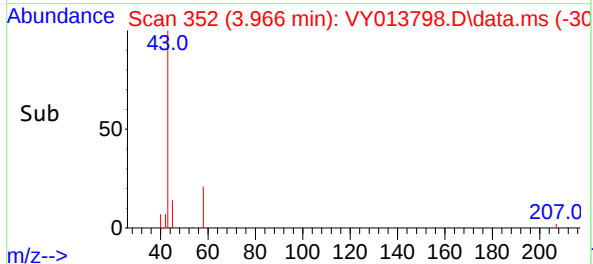
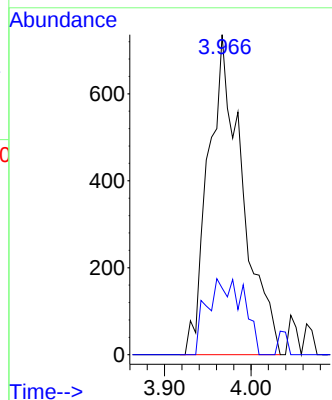
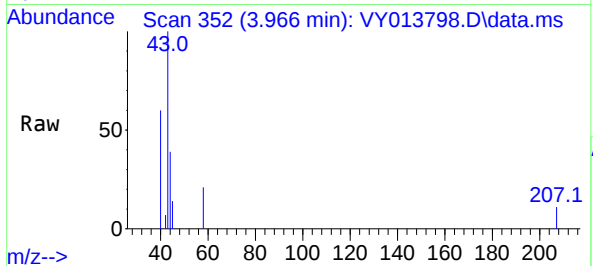




#16
Acetone
Concen: 3.357 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

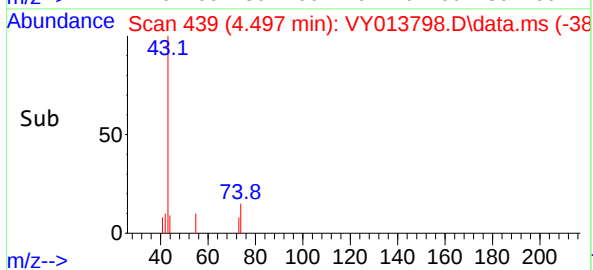
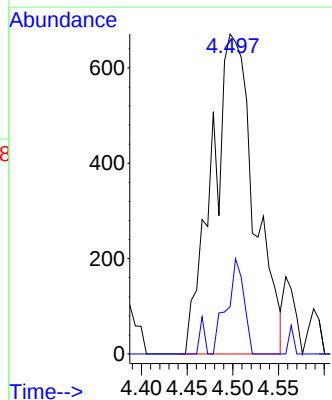
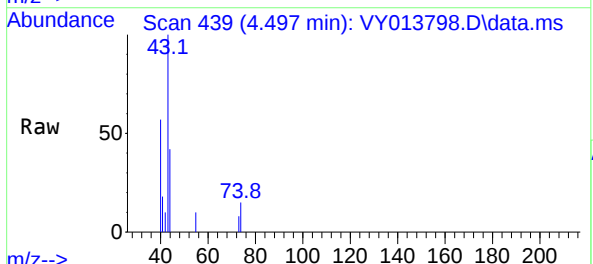
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

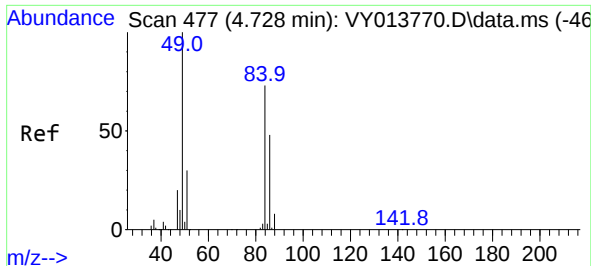
Tgt Ion: 43 Resp: 2012
Ion Ratio Lower Upper
43 100
58 20.8 23.7 35.5#



#18
Methyl Acetate
Concen: 1.030 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
74 12.1 16.6 25.0#



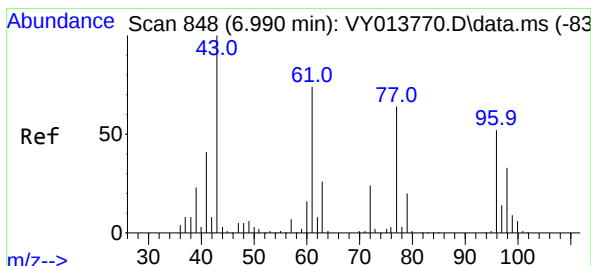
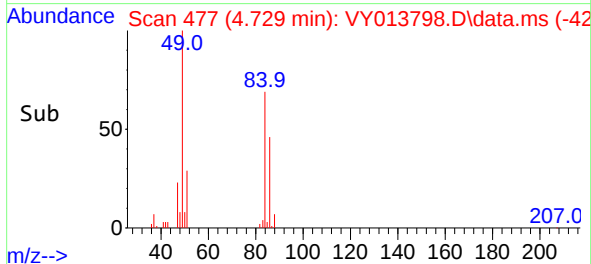
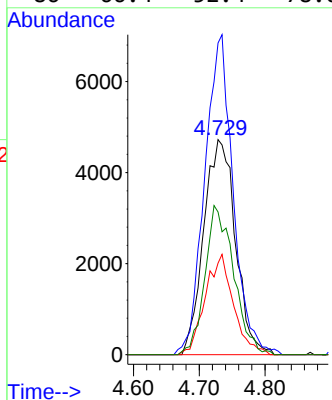
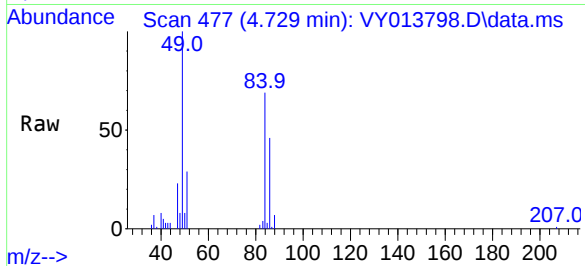


#20
Methylene Chloride
Concen: 3.015 ug/l
RT: 4.729 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :
SB-3

Tgt Ion: 84 Resp: 15869

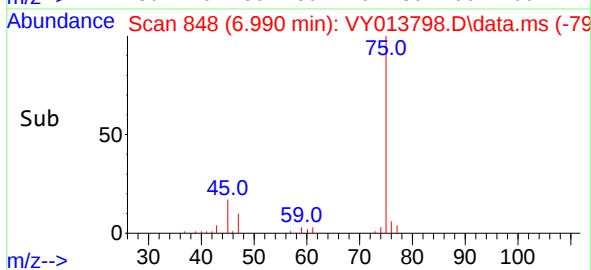
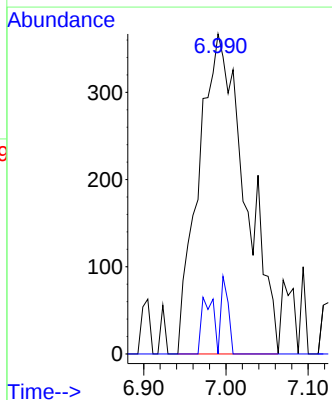
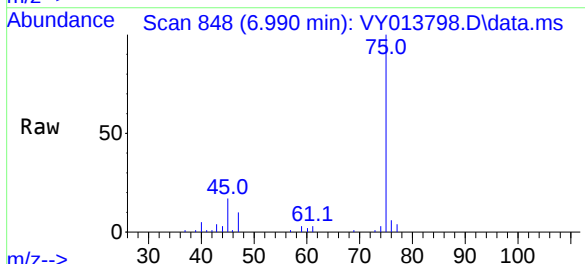
Ion	Ratio	Lower	Upper
84	100		
49	143.3	109.4	164.0
51	42.5	32.8	49.2
86	66.4	52.4	78.6

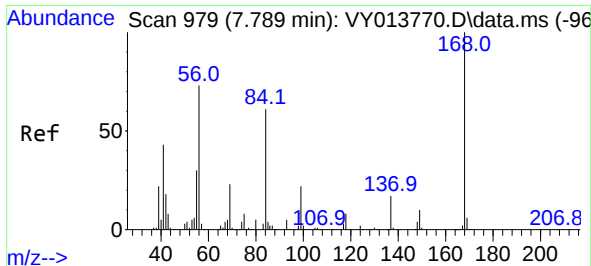


#25
2-Butanone
Concen: 1.849 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 43 Resp: 1441

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.6#

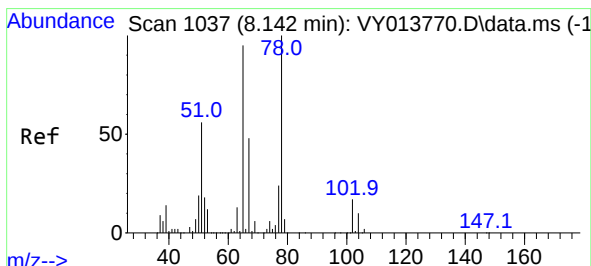
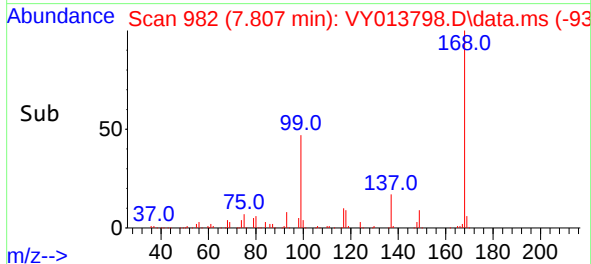
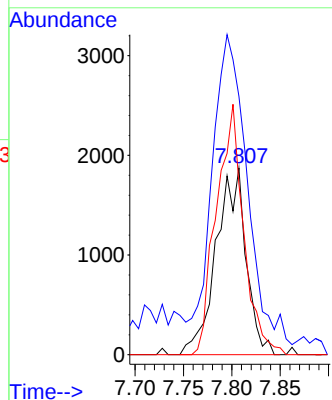
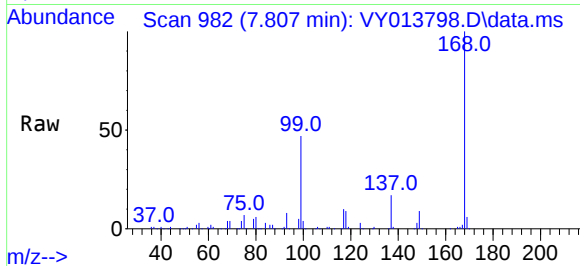




#31
Cyclohexane
Concen: 1.412 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

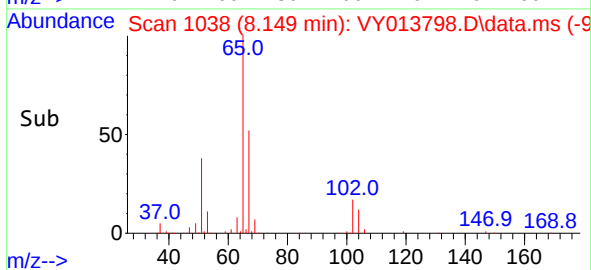
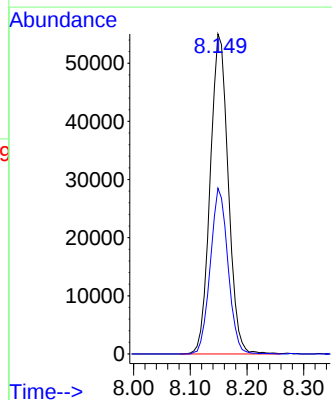
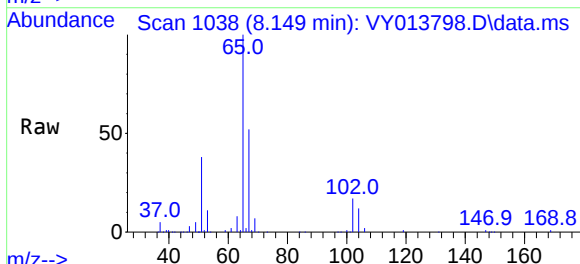
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

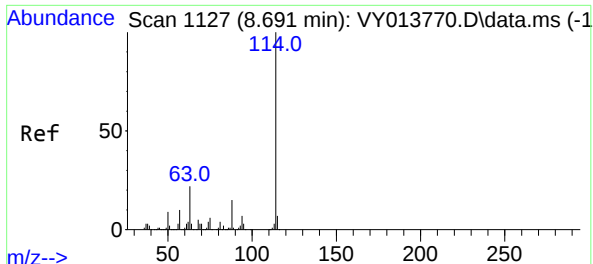
Tgt Ion: 56 Resp: 4021
Ion Ratio Lower Upper
56 100
69 117.2 25.8 38.6#
84 91.4 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 61.193 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 65 Resp: 121577
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013798.D

Acq: 18 May 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

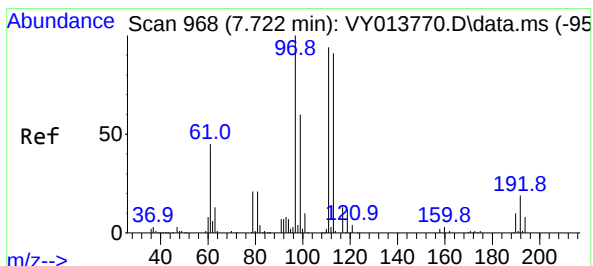
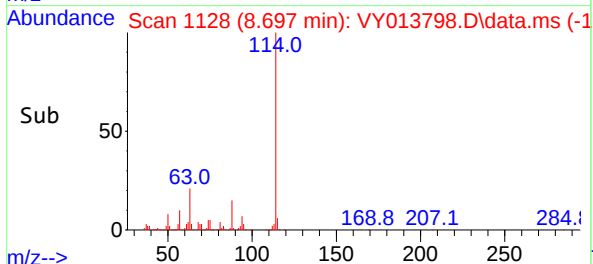
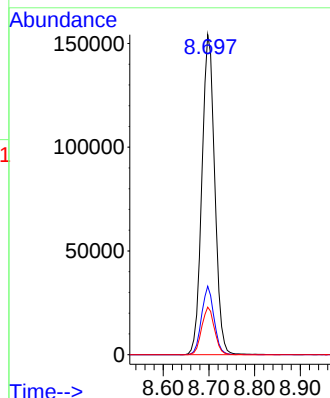
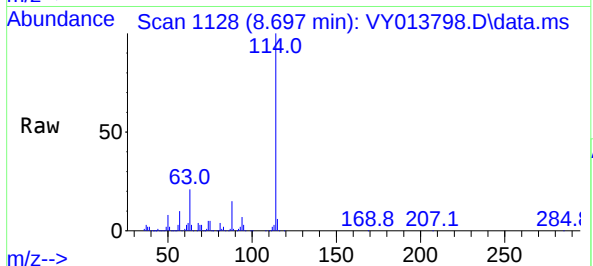
Tgt Ion:114 Resp: 300509

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.8

88 14.9 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.482 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY013798.D

Acq: 18 May 2023 13:52

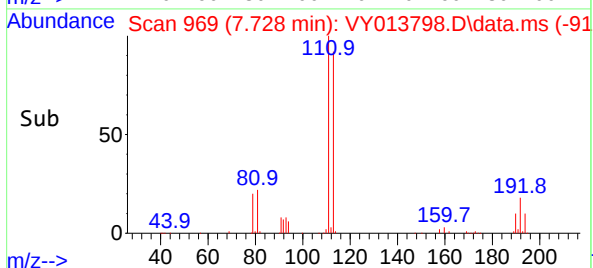
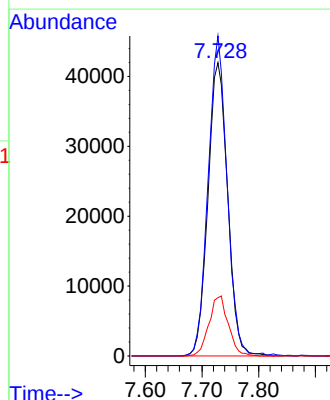
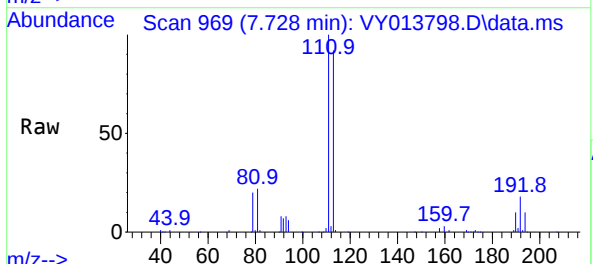
Tgt Ion:113 Resp: 101135

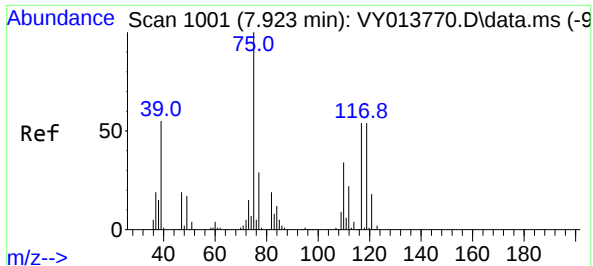
Ion Ratio Lower Upper

113 100

111 105.1 82.3 123.5

192 20.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.276 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY013798.D

Acq: 18 May 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

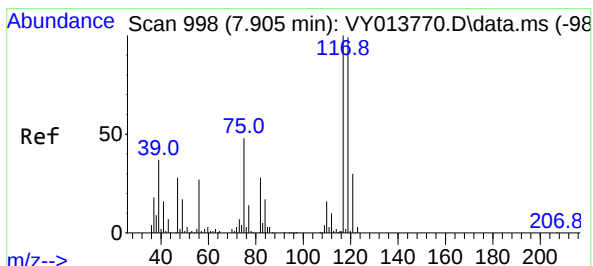
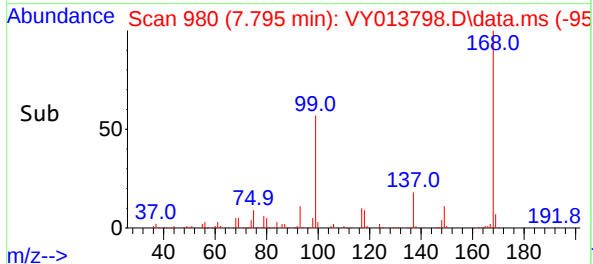
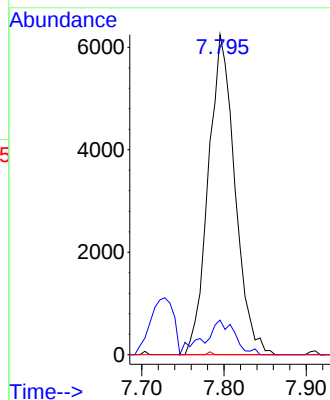
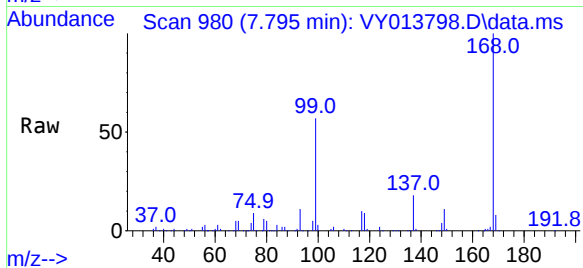
Tgt Ion: 75 Resp: 14047

Ion Ratio Lower Upper

75 100

110 11.4 17.3 51.7#

77 0.1 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.103 min

Lab File: VY013798.D

Acq: 18 May 2023 13:52

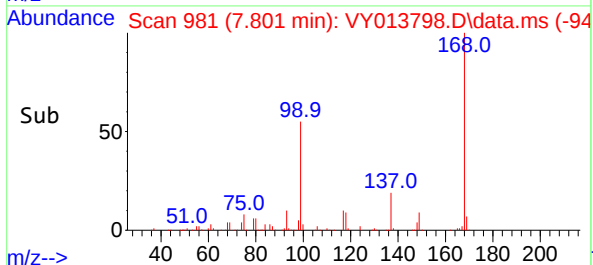
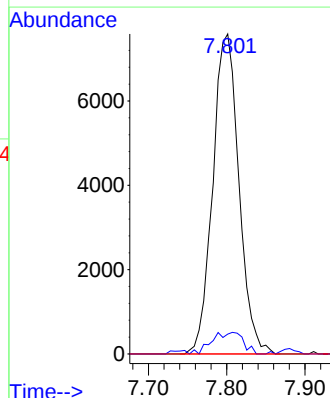
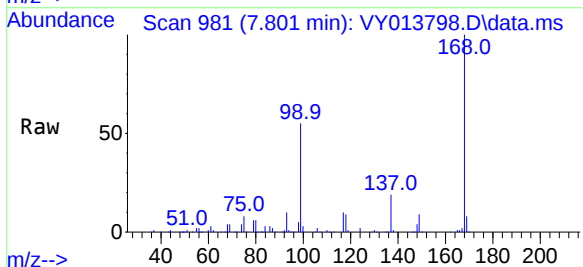
Tgt Ion:117 Resp: 17614

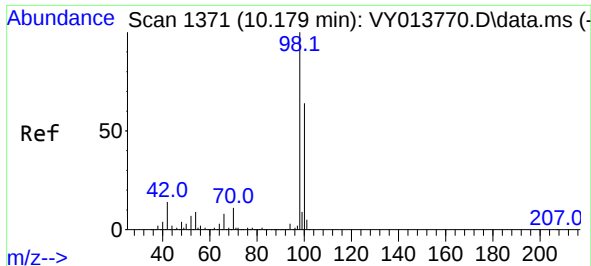
Ion Ratio Lower Upper

117 100

119 5.4 79.0 118.6#

121 0.0 24.1 36.1#

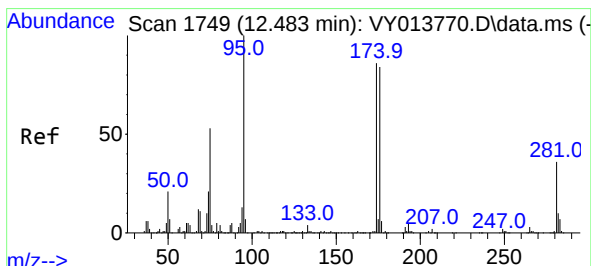
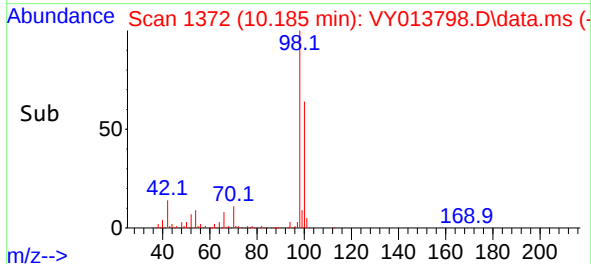
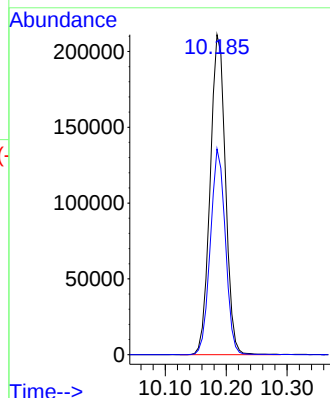
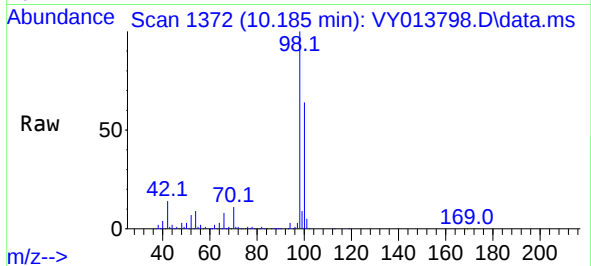




#50
Toluene-d8
Concen: 50.385 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

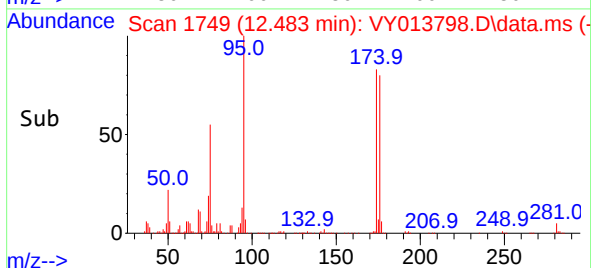
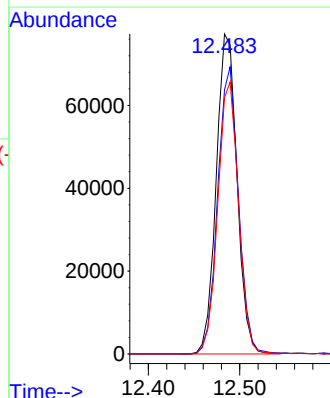
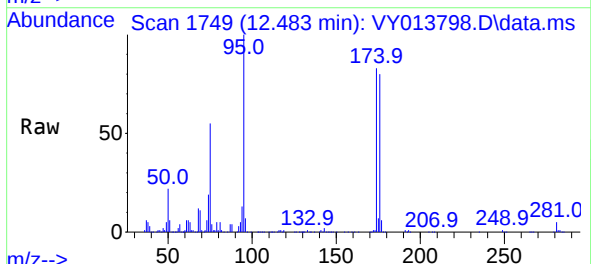
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

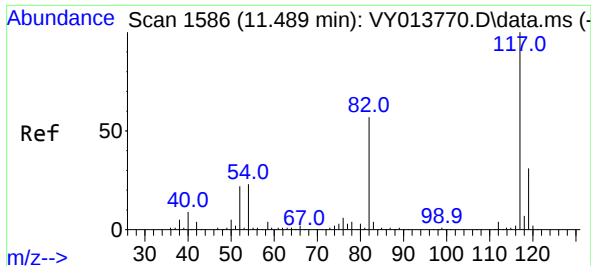
Tgt Ion: 98 Resp: 368094
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 50.284 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 95 Resp: 122020
Ion Ratio Lower Upper
95 100
174 89.6 0.0 168.8
176 84.9 0.0 165.2

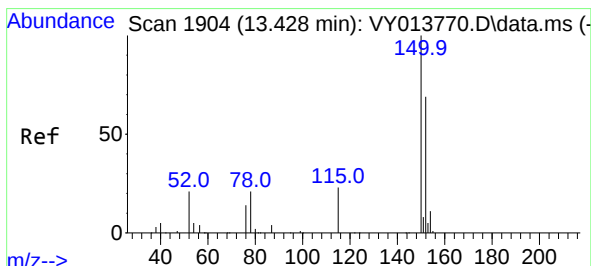
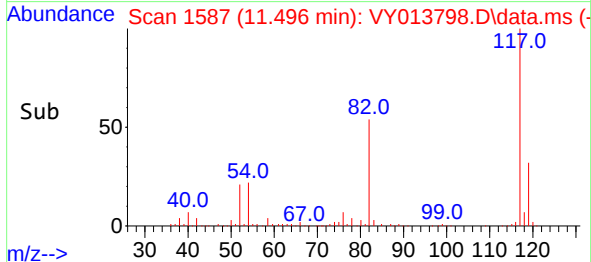
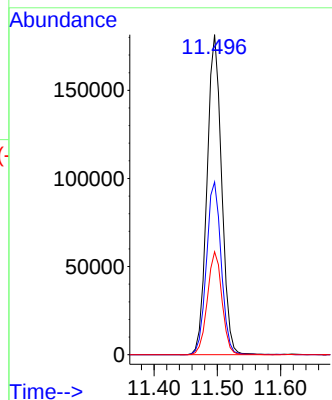
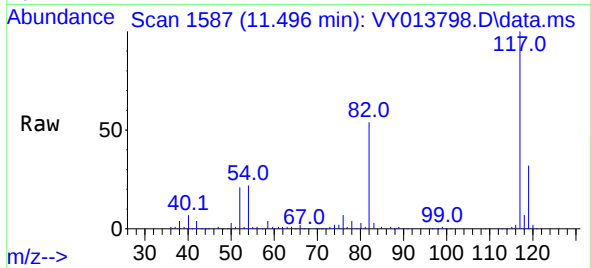




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

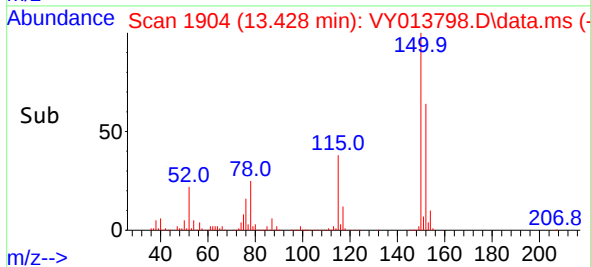
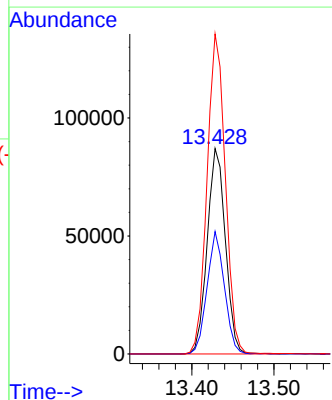
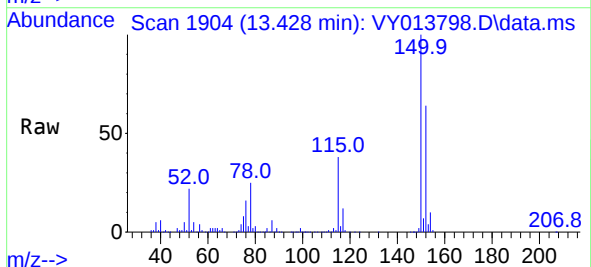
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

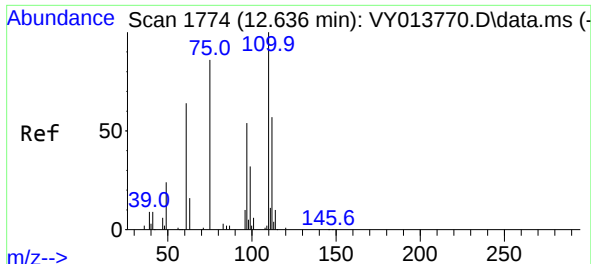
Tgt Ion:117 Resp: 291922
Ion Ratio Lower Upper
117 100
82 53.9 45.5 68.3
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion:152 Resp: 133804
Ion Ratio Lower Upper
152 100
115 57.0 28.5 85.5
150 156.1 0.0 347.0

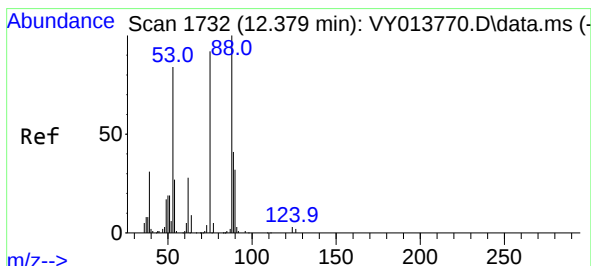
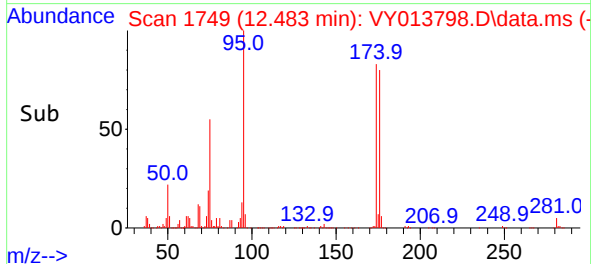
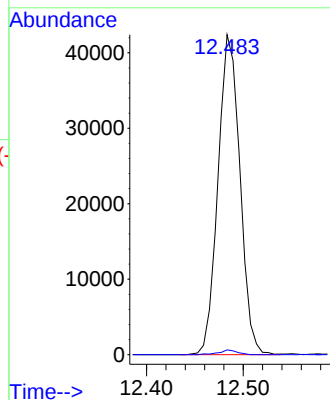
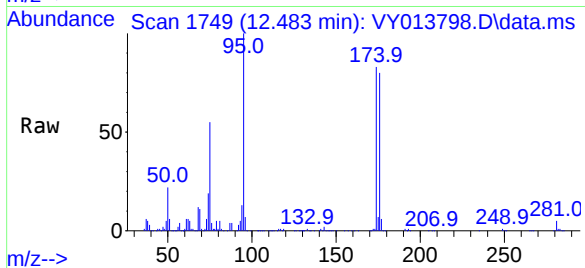




#76
1,2,3-Trichloropropane
Concen: 41.219 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :
SB-3

Tgt Ion: 75 Resp: 66750
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.770 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 75 Resp: 66750
Ion Ratio Lower Upper
75 100
53 0.4 75.3 112.9#
89 0.1 35.4 53.2#

