

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013940.D
 Acq On : 31 May 2023 16:59
 Operator : KP/MD
 Sample : 02955-04RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB25

Quant Time: May 31 17:33:27 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)

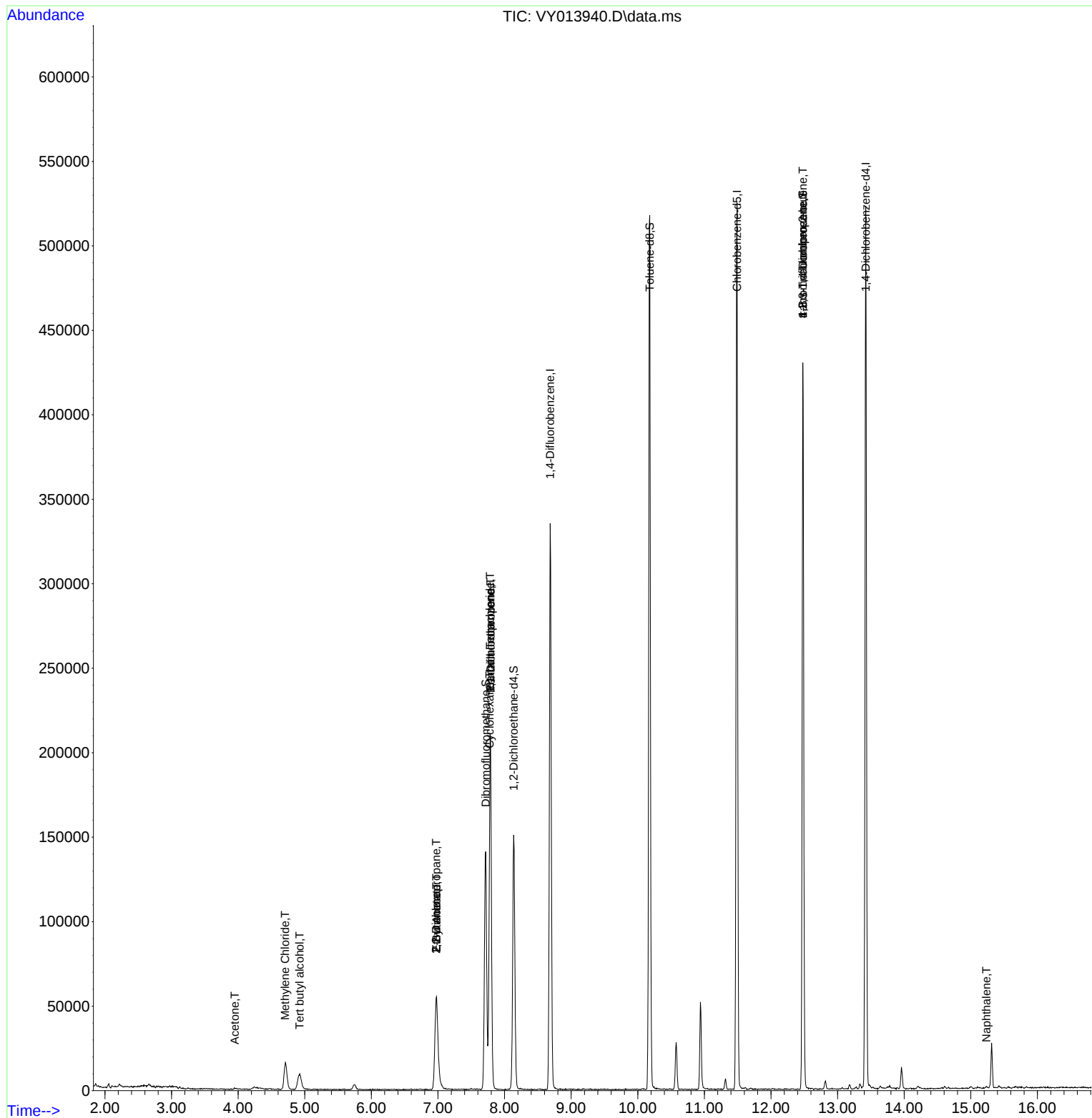
Internal Standards						
1) Pentafluorobenzene	7.789	168	162447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	276484	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	279986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	122945	65.419	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.840%	
35) Dibromofluoromethane	7.716	113	96553	54.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.140%	
50) Toluene-d8	10.179	98	339699	50.057	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	12.477	95	114534	50.774	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	9336	64.846	ug/l #	74
16) Acetone	3.948	43	777	1.393	ug/l #	46
20) Methylene Chloride	4.704	84	11463	3.430	ug/l	86
25) 2-Butanone	6.978	43	3865	5.679	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	4539	1.541	ug/l #	53
31) Cyclohexane	7.777	56	3953	1.369	ug/l #	50
36) 1,1-Dichloropropene	7.789	75	12478	4.588	ug/l #	52
37) Ethyl Acetate	6.978	43	3865	2.330	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16396	5.301	ug/l #	19
76) 1,2,3-Trichloropropane	12.477	75	62407	40.514	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62407	87.944	ug/l #	10
95) Naphthalene	15.233	128	1121	4.732	ug/l #	88

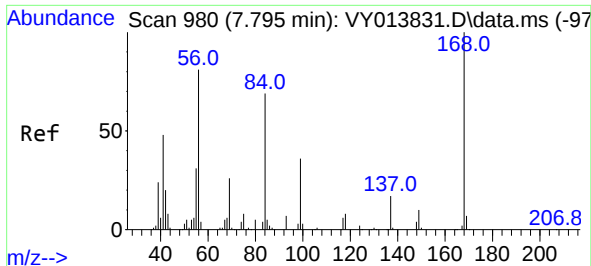
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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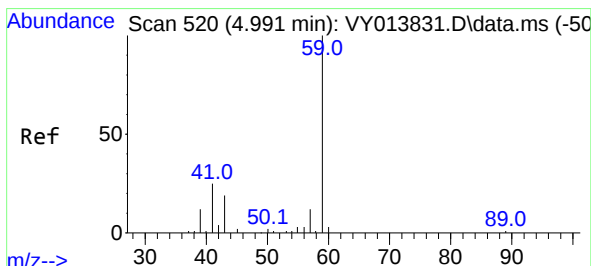
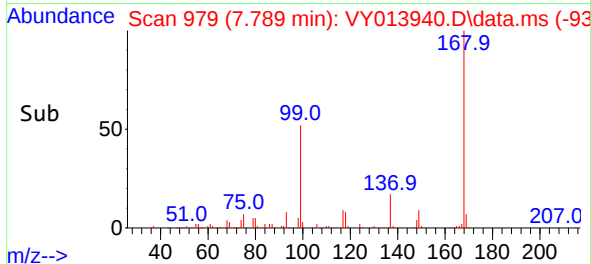
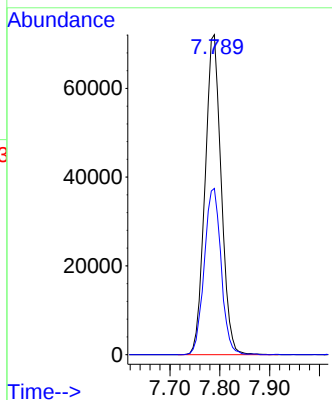
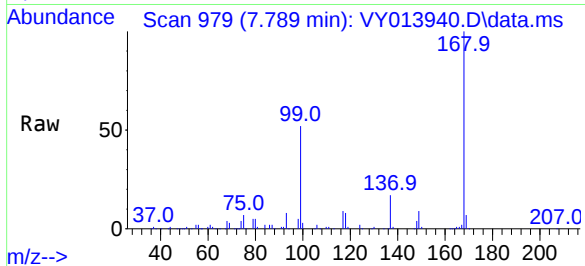




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

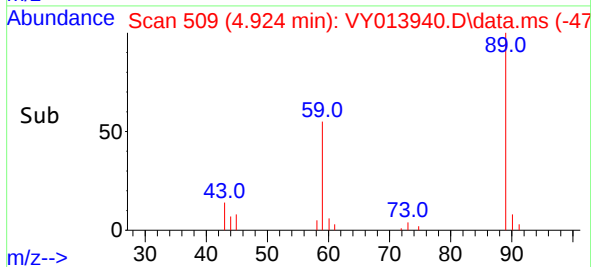
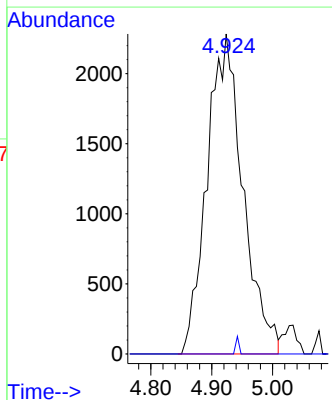
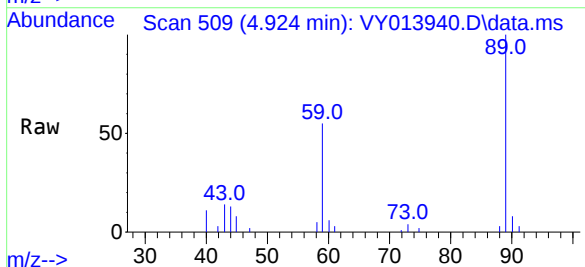
Instrument :
MSVOA_Y
ClientSampleId :
SB25

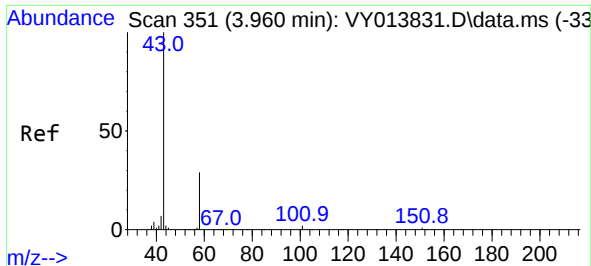
Tgt Ion:168 Resp: 162447
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.2



#11
Tert butyl alcohol
Concen: 64.846 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.067 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Tgt Ion: 59 Resp: 9336
Ion Ratio Lower Upper
59 100
57 0.5 8.1 12.1#

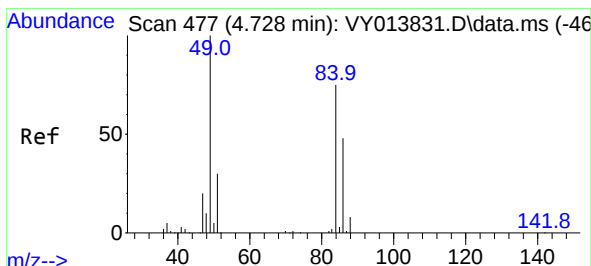
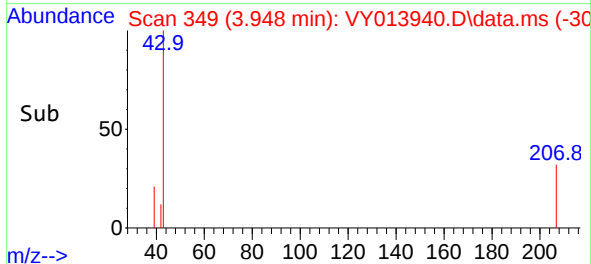
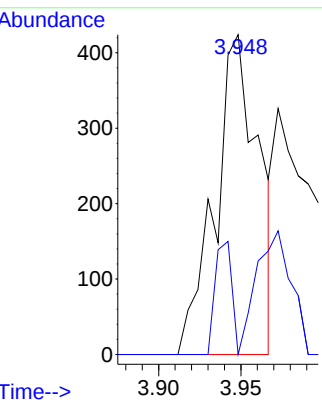
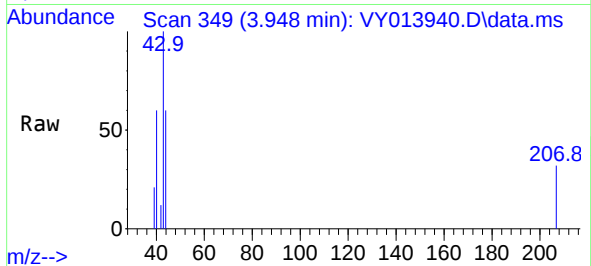




#16
Acetone
Concen: 1.393 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

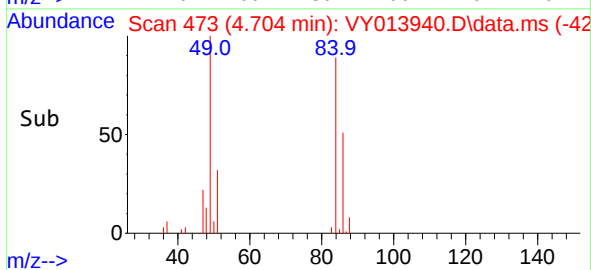
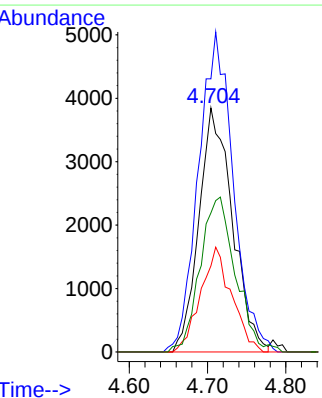
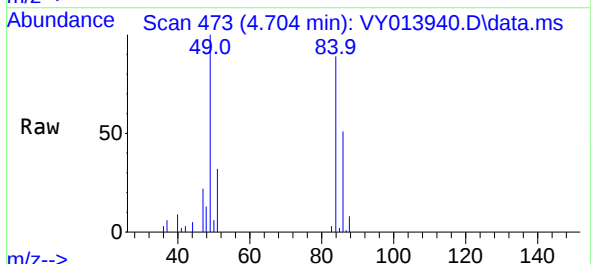
Instrument :
MSVOA_Y
ClientSampleId :
SB25

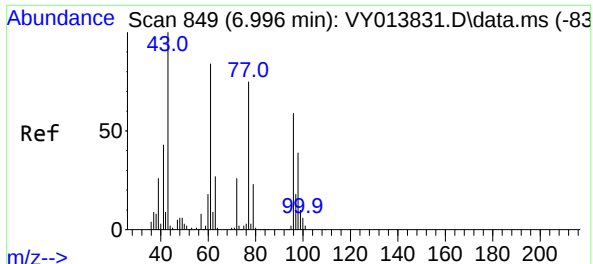
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 3.430 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.024 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Tgt Ion: 84 Resp: 11463
Ion Ratio Lower Upper
84 100
49 110.0 106.2 159.2
51 35.3 31.4 47.0
86 57.0 50.6 75.8





#25

2-Butanone

Concen: 5.679 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY013940.D

Acq: 31 May 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

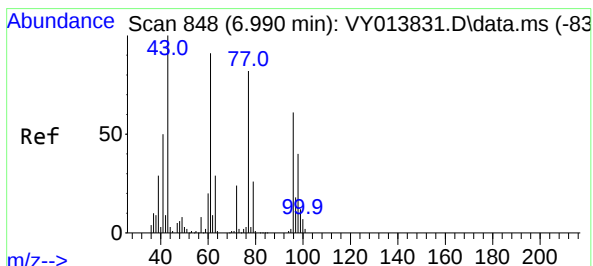
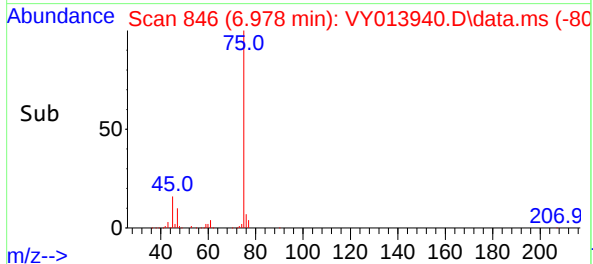
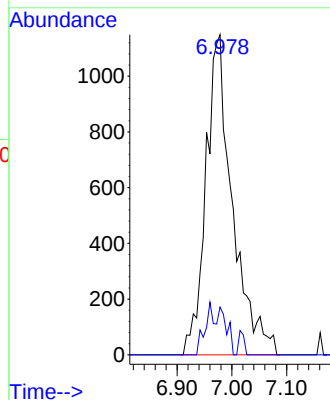
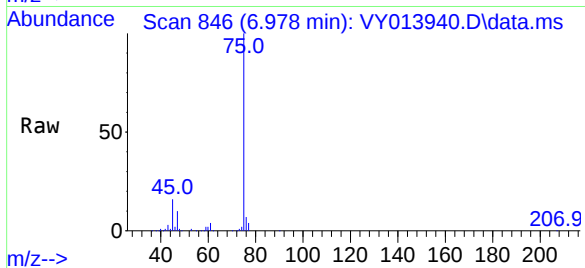
SB25

Tgt Ion: 43 Resp: 3865

Ion Ratio Lower Upper

43 100

72 14.9 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.541 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.018 min

Lab File: VY013940.D

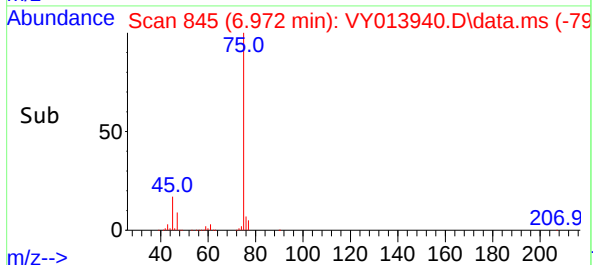
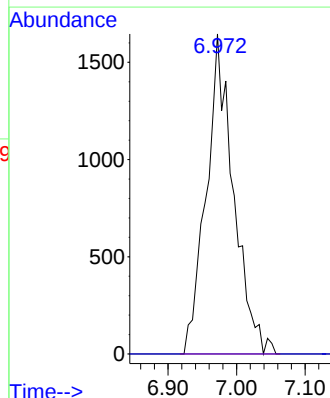
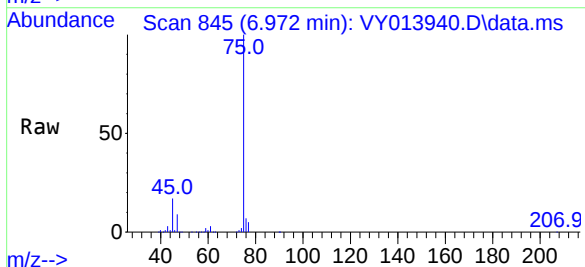
Acq: 31 May 2023 16:59

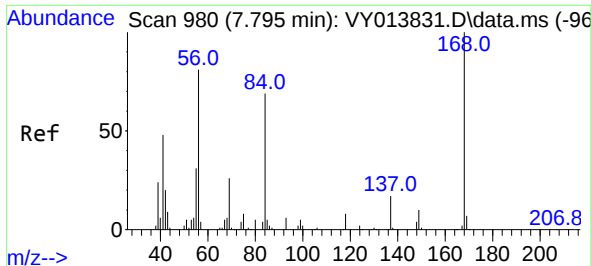
Tgt Ion: 77 Resp: 4539

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#

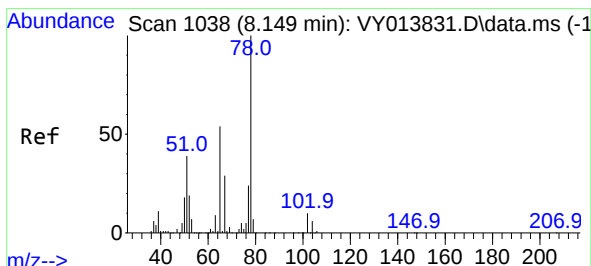
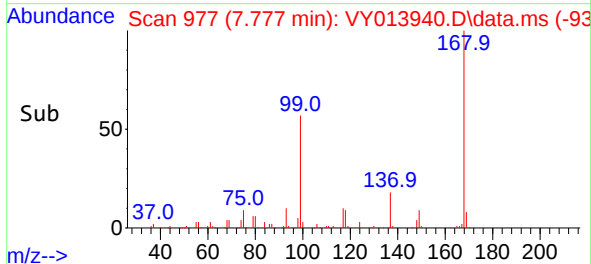
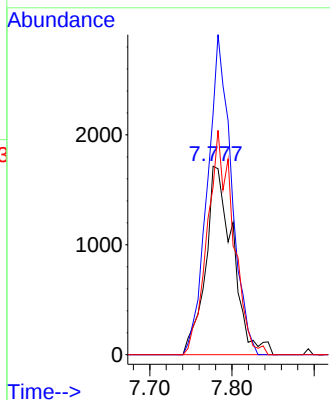
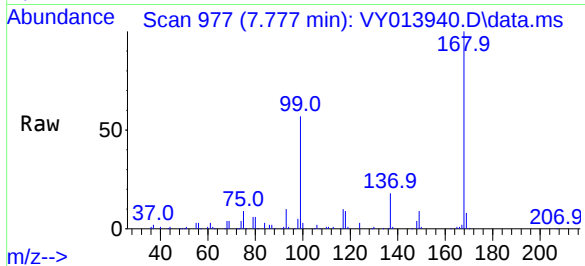




#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

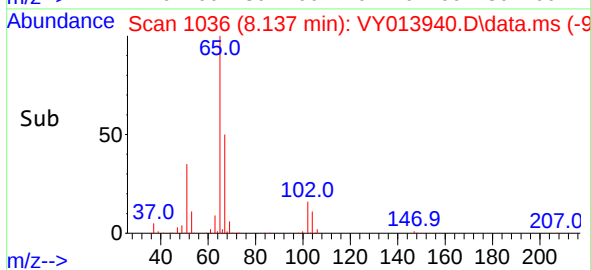
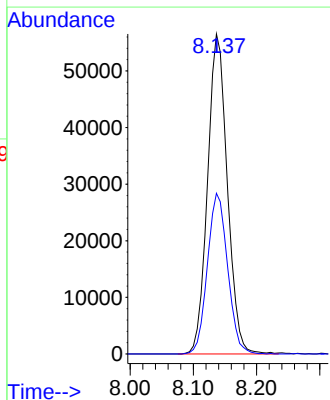
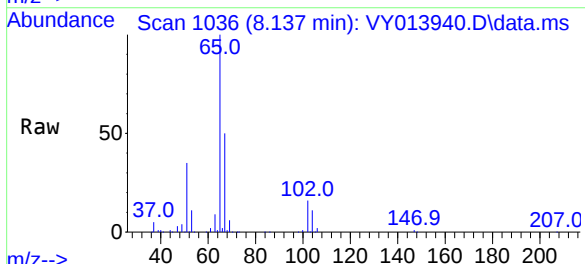
Instrument :
MSVOA_Y
ClientSampleId :
SB25

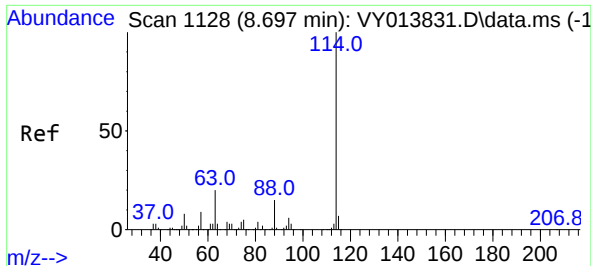
Tgt Ion: 56 Resp: 3953
Ion Ratio Lower Upper
56 100
69 127.8 25.8 38.8#
84 88.9 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 65.419 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Tgt Ion: 65 Resp: 122945
Ion Ratio Lower Upper
65 100
67 51.2 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: VY013940.D

Acq: 31 May 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

SB25

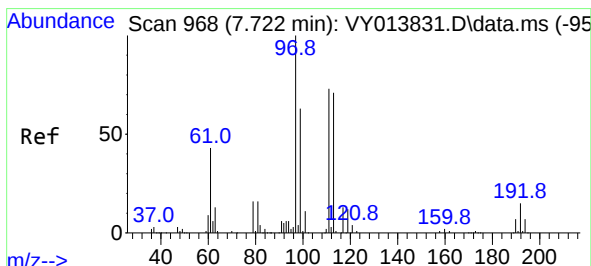
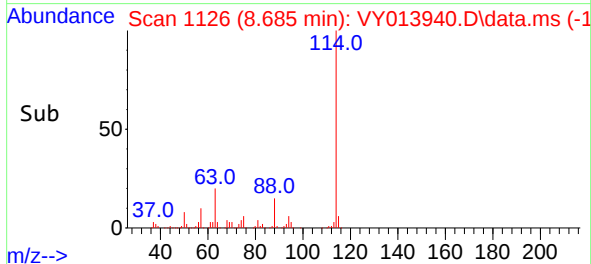
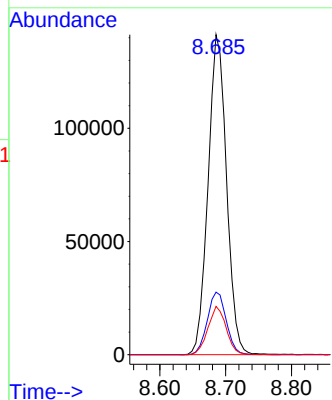
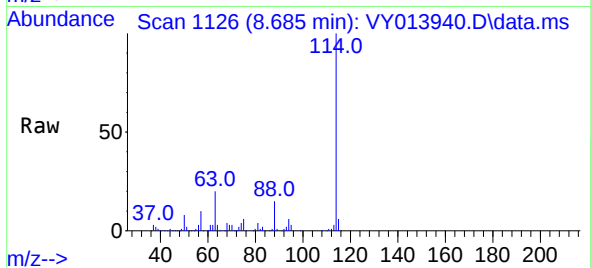
Tgt Ion:114 Resp: 276484

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.075 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013940.D

Acq: 31 May 2023 16:59

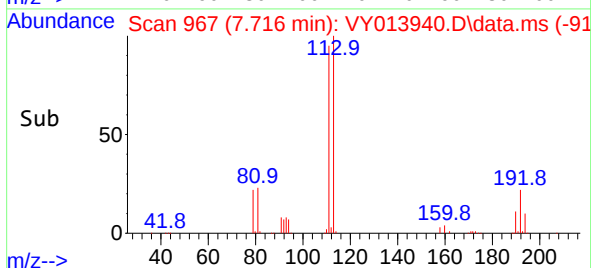
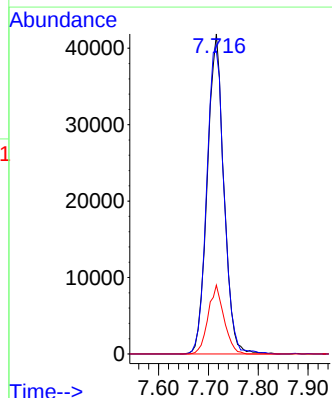
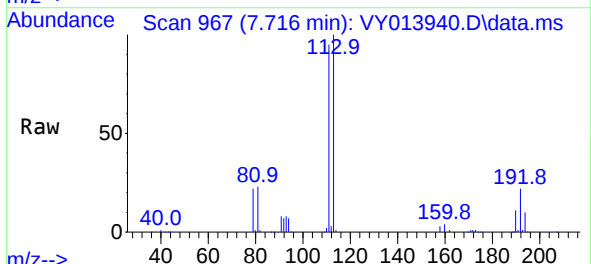
Tgt Ion:113 Resp: 96553

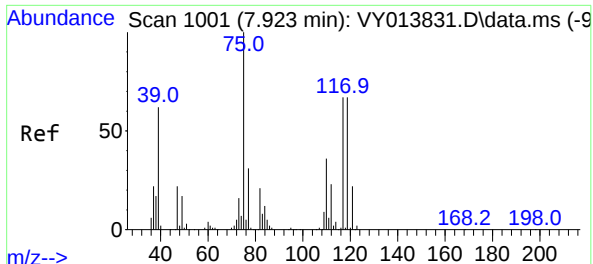
Ion Ratio Lower Upper

113 100

111 100.4 80.4 120.6

192 20.5 16.6 25.0

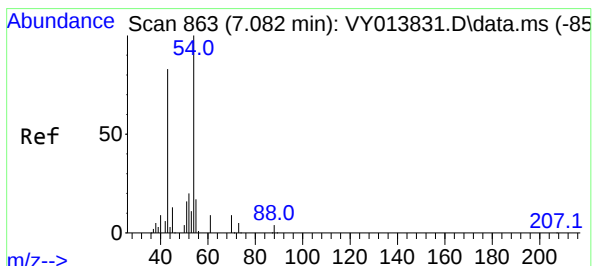
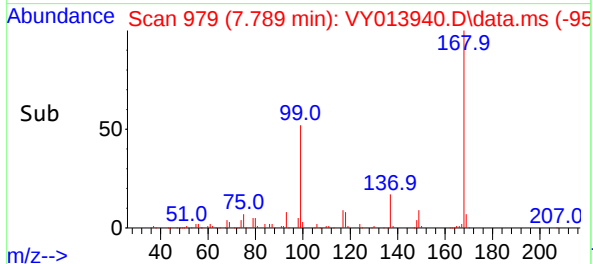
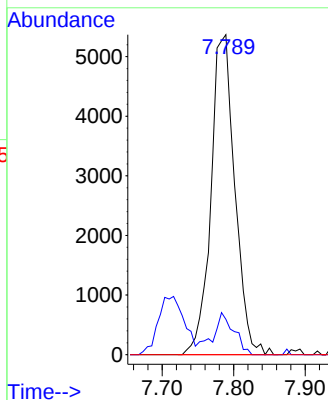
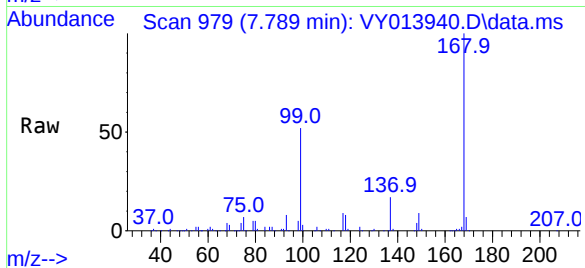




#36
1,1-Dichloropropene
Concen: 4.588 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

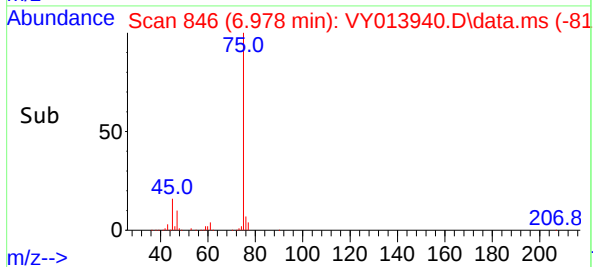
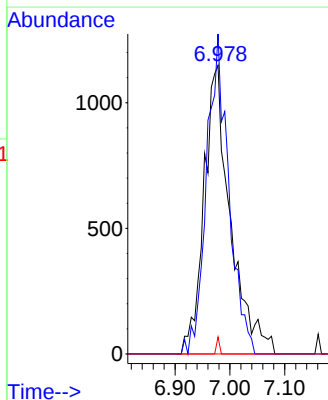
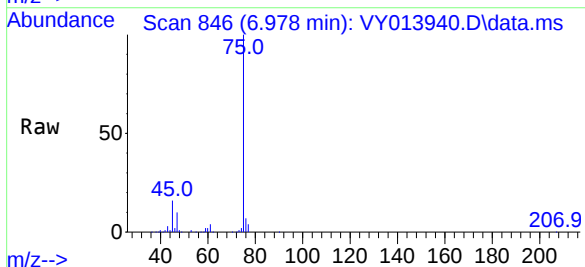
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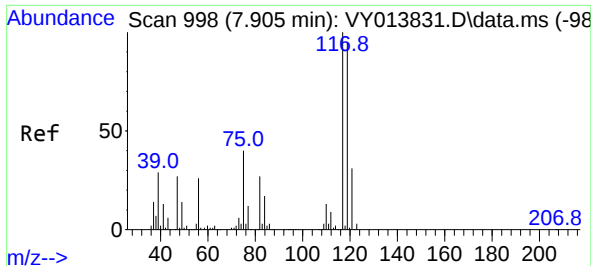
Tgt Ion: 75 Resp: 12478
Ion Ratio Lower Upper
75 100
110 11.2 17.5 52.6#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.330 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.103 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Tgt Ion: 43 Resp: 3865
Ion Ratio Lower Upper
43 100
61 92.4 10.5 15.7#
70 0.6 6.9 10.3#

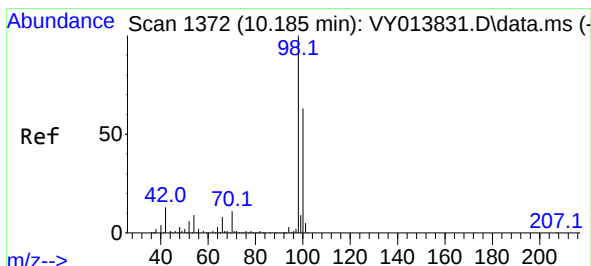
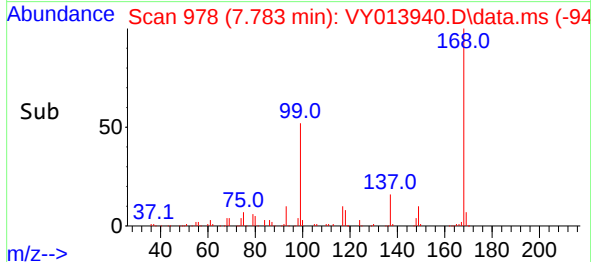
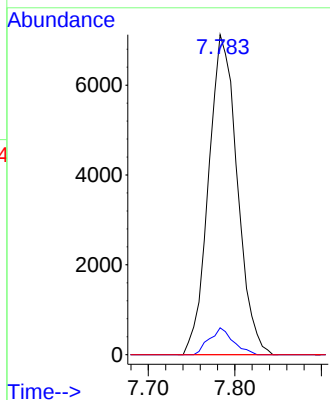
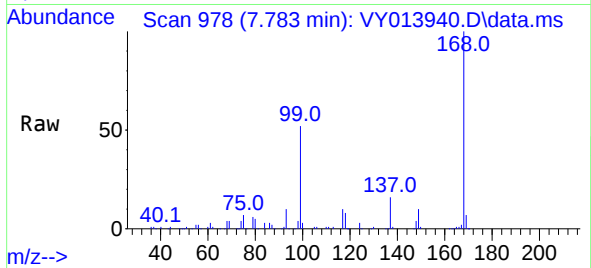




#38
Carbon Tetrachloride
Concen: 5.301 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

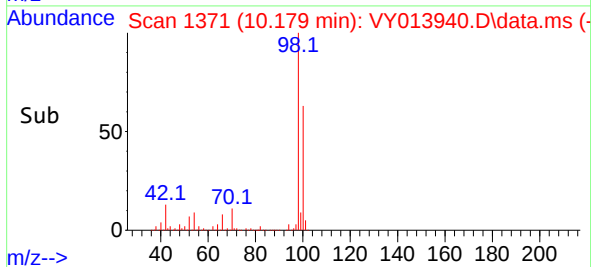
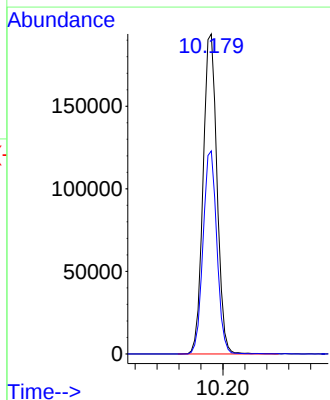
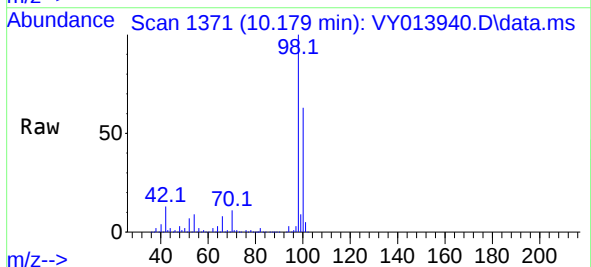
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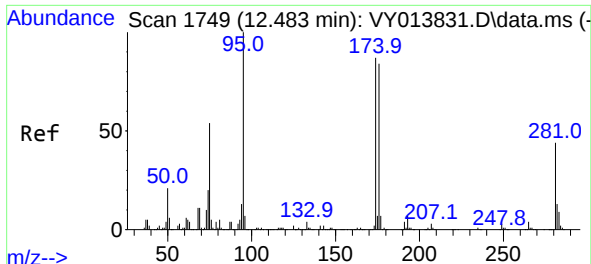
Tgt Ion:117 Resp: 16396
Ion Ratio Lower Upper
117 100
119 8.4 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.057 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Tgt Ion: 98 Resp: 339699
Ion Ratio Lower Upper
98 100
100 63.0 50.8 76.2

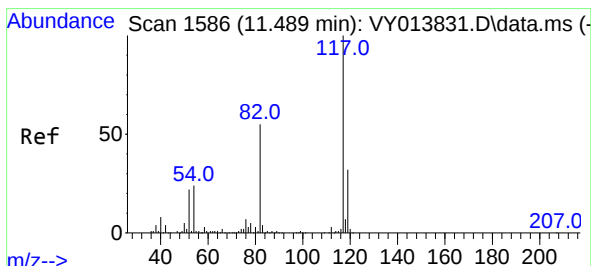
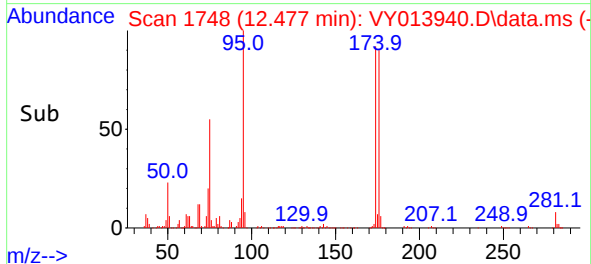
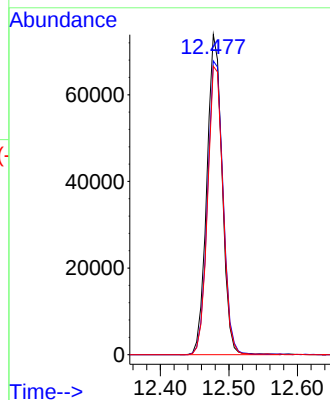
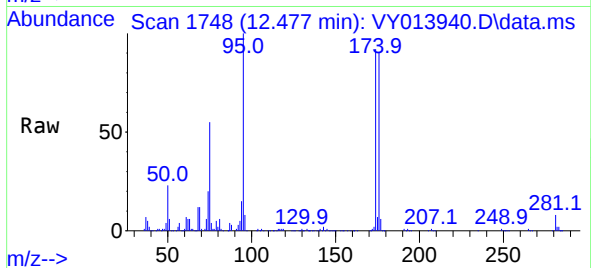




#62
4-Bromofluorobenzene
Concen: 50.774 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

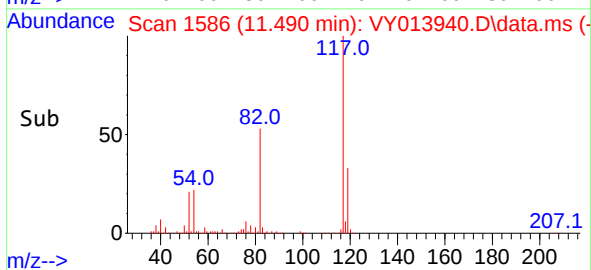
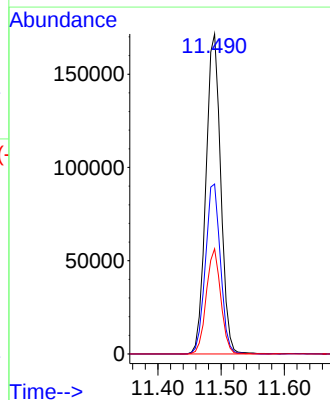
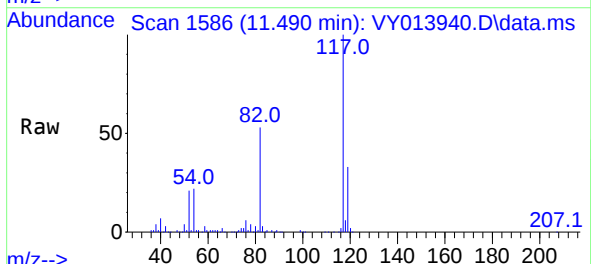
Instrument :
MSVOA_Y
ClientSampleId :
SB25

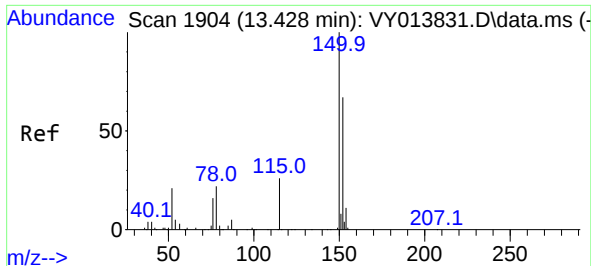
Tgt Ion: 95 Resp: 114534
Ion Ratio Lower Upper
95 100
174 93.7 0.0 176.0
176 90.7 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Tgt Ion: 117 Resp: 279986
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.4
119 32.9 25.7 38.5

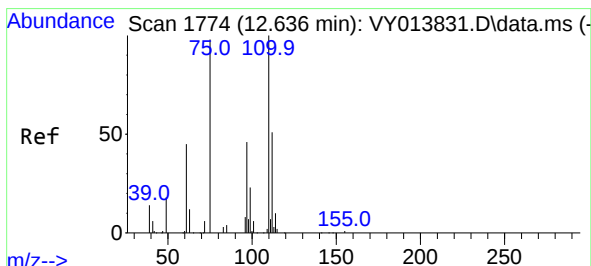
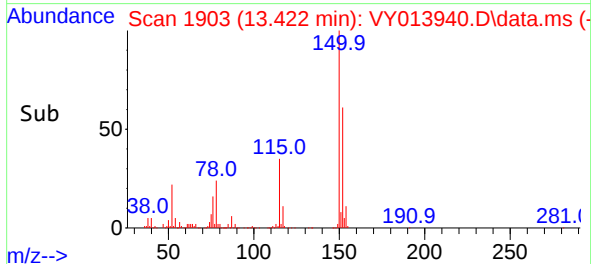
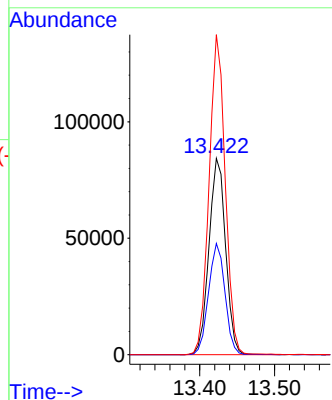
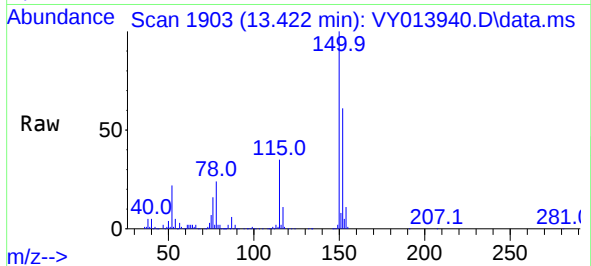




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY013940.D
 Acq: 31 May 2023 16:59

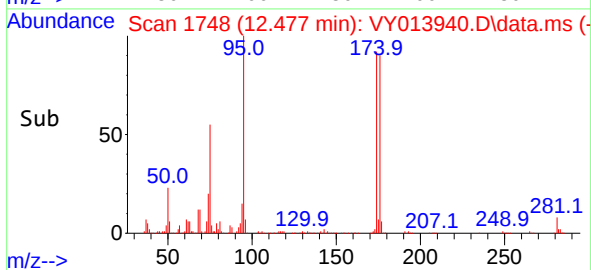
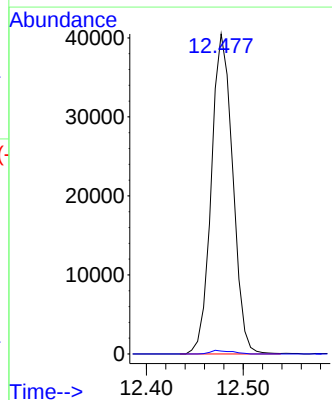
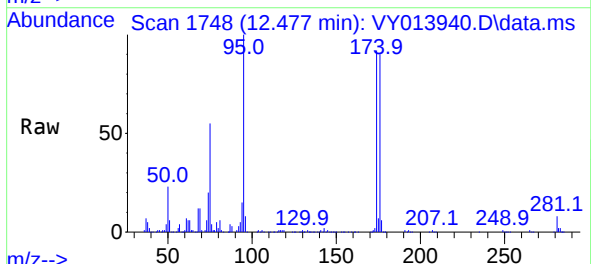
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB25

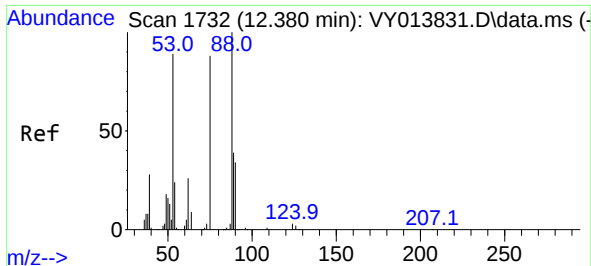
Tgt Ion:152 Resp: 130636
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.8 86.5
 150 157.7 0.0 353.4



#76
 1,2,3-Trichloropropane
 Concen: 40.514 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY013940.D
 Acq: 31 May 2023 16:59

Tgt Ion: 75 Resp: 62407
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

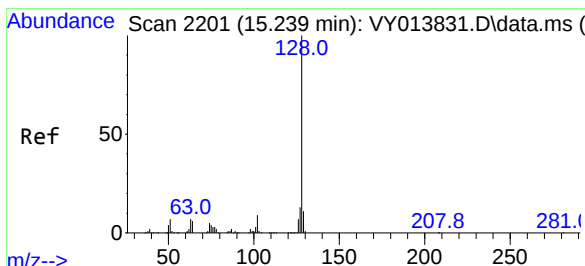
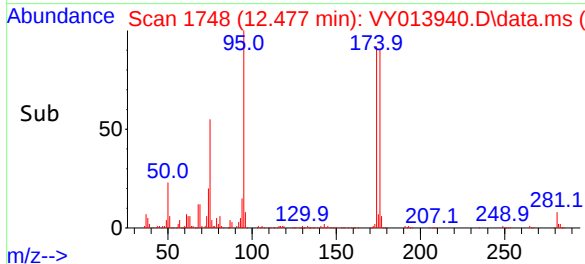
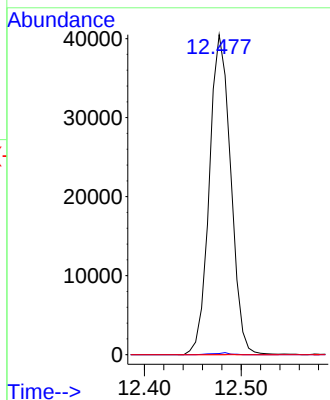
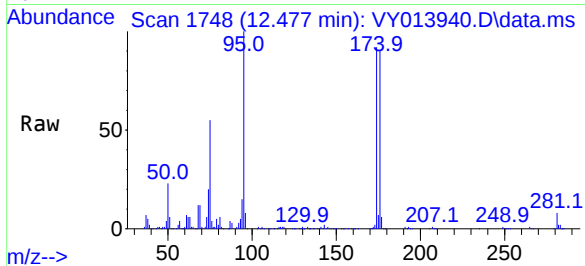




#81
trans-1,4-Dichloro-2-butene
Concen: 87.944 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Instrument :
MSVOA_Y
ClientSampleId :
SB25

Tgt Ion: 75 Resp: 62407
Ion Ratio Lower Upper
75 100
53 0.5 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 4.732 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013940.D
Acq: 31 May 2023 16:59

Tgt Ion: 128 Resp: 1121
Ion Ratio Lower Upper
128 100
127 5.3 10.7 16.1#
129 10.0 9.0 13.4

