

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060723\
 Data File : VY014066.D
 Acq On : 07 Jun 2023 17:39
 Operator : KP/MD
 Sample : 03044-03RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-5.0-7.0-DUPRE

Quant Time: Jun 08 02:34:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

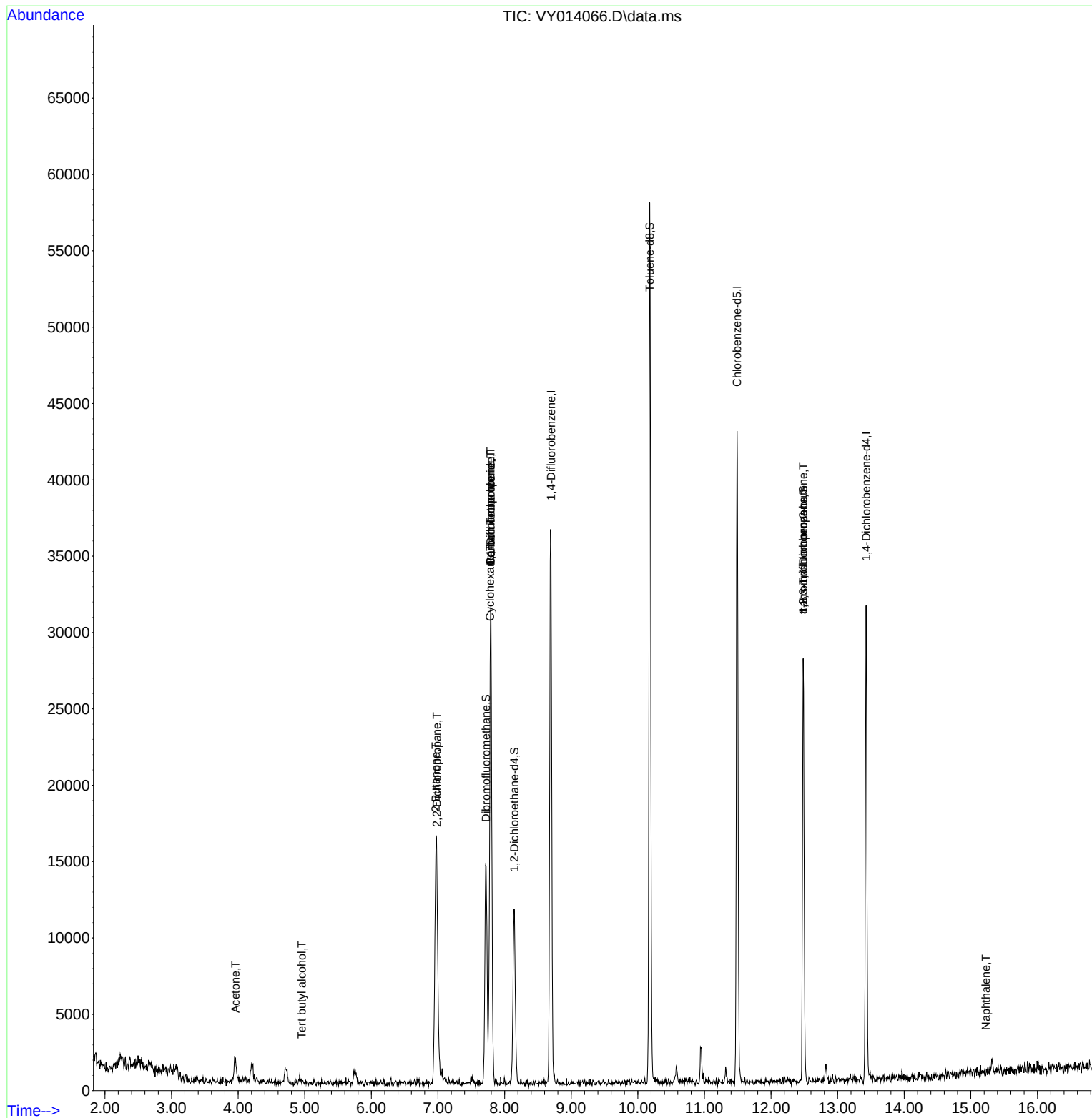
Internal Standards						
1) Pentafluorobenzene	7.789	168	24595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	32191	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.490	117	24401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	9555	29.348	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	58.700%
35) Dibromofluoromethane	7.722	113	10463	51.144	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.280%
50) Toluene-d8	10.179	98	37856	48.512	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.483	95	7770	29.207	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	131	1.958	ug/l #	89
16) Acetone	3.960	43	2849	25.576	ug/l	90
20) Methylene Chloride	4.722	84	665	Below Cal	#	65
25) 2-Butanone	6.966	43	1047	7.545	ug/l #	49
26) 2,2-Dichloropropane	6.984	77	1217	2.701	ug/l #	54
31) Cyclohexane	7.783	56	626	1.597	ug/l #	33
36) 1,1-Dichloropropene	7.789	75	2023	6.941	ug/l #	41
38) Carbon Tetrachloride	7.789	117	2356	7.214	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	4252	37.638	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4252	79.849	ug/l #	10
95) Naphthalene	15.227	128	19	3.925	ug/l #	69

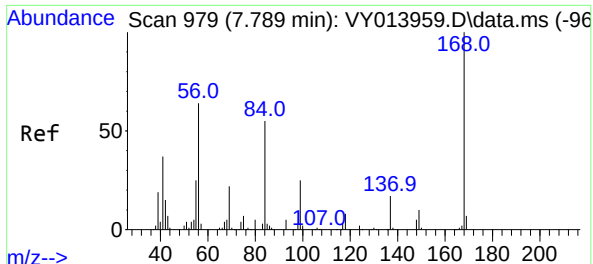
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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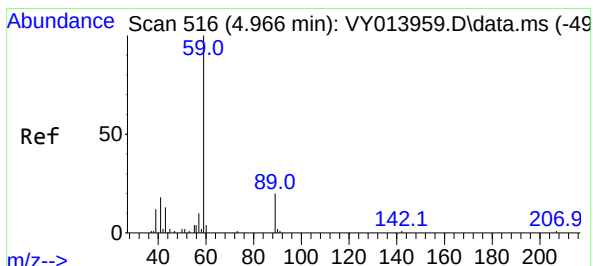
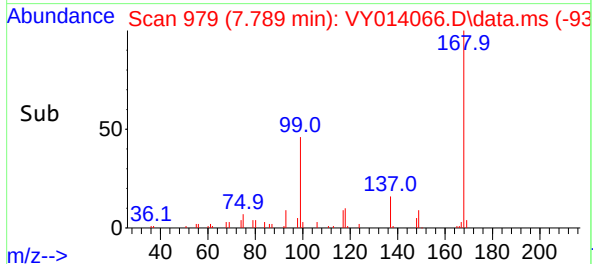
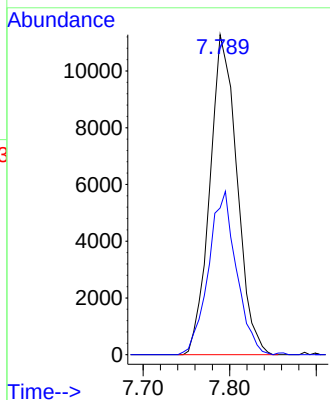
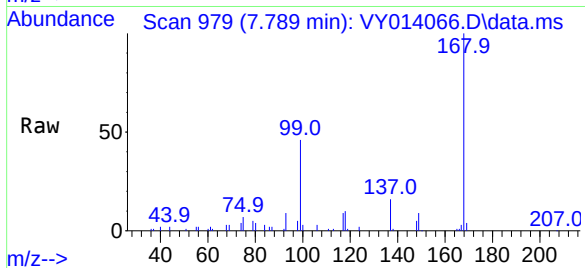




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

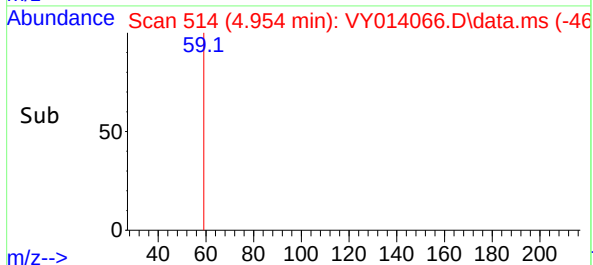
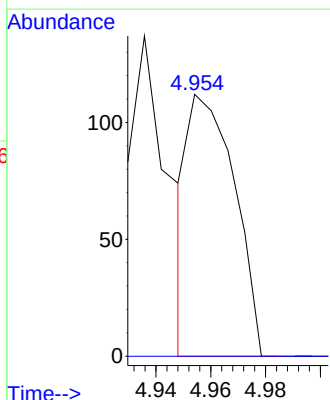
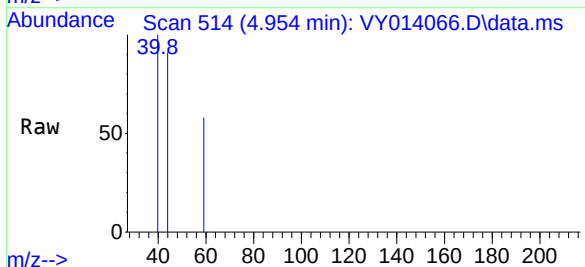
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUPRE

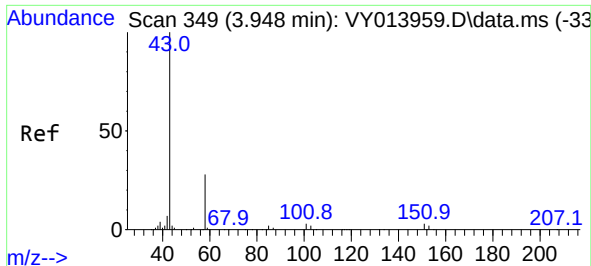
Tgt Ion:168 Resp: 24595
Ion Ratio Lower Upper
168 100
99 45.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 1.958 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

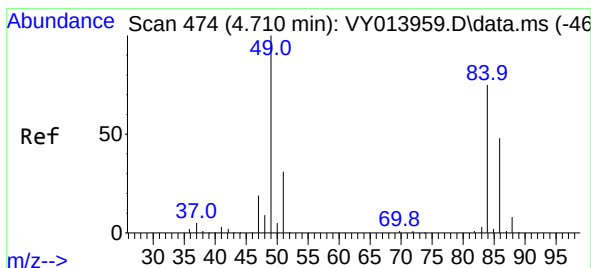
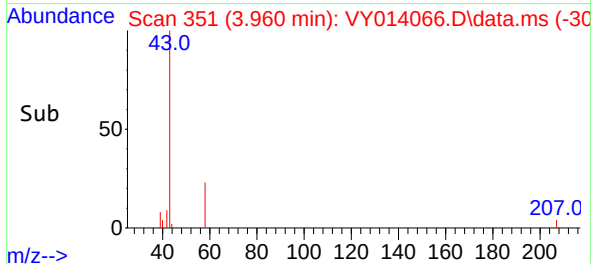
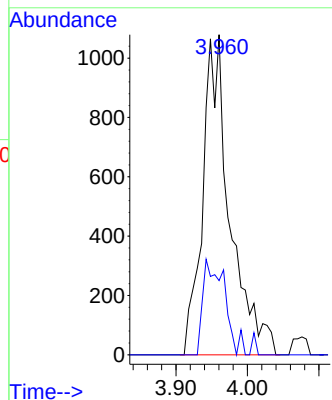
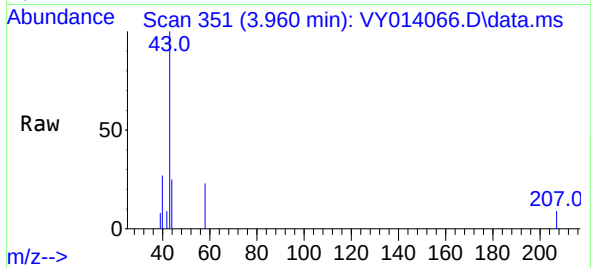




#16
Acetone
Concen: 25.576 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

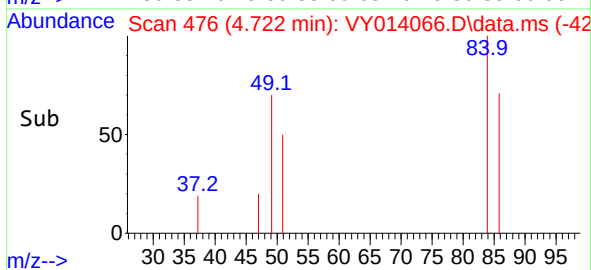
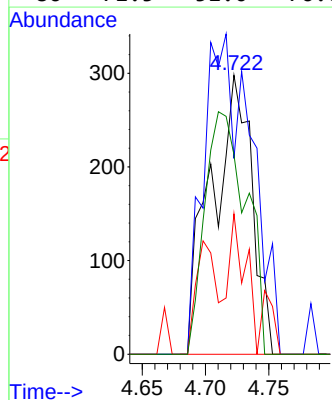
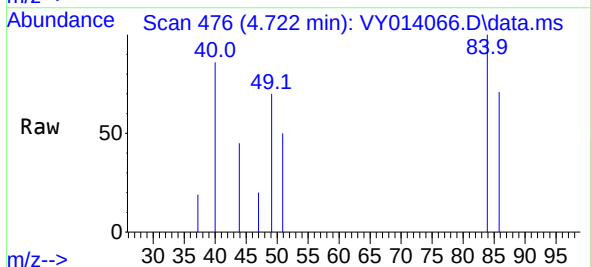
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUPRE

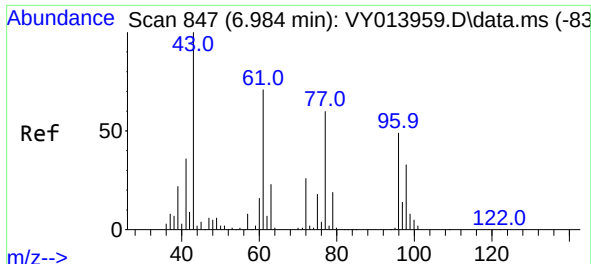
Tgt Ion: 43 Resp: 2849
Ion Ratio Lower Upper
43 100
58 23.2 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

Tgt Ion: 84 Resp: 665
Ion Ratio Lower Upper
84 100
49 70.1 106.9 160.3#
51 50.3 33.2 49.8#
86 71.5 51.0 76.6





#25

2-Butanone

Concen: 7.545 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY014066.D

Acq: 07 Jun 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

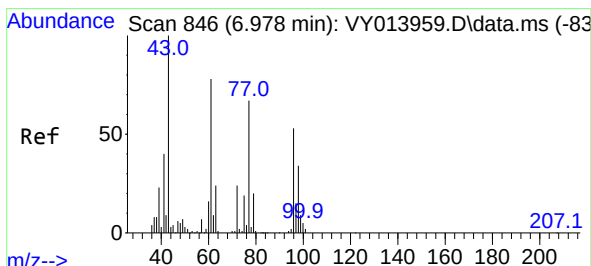
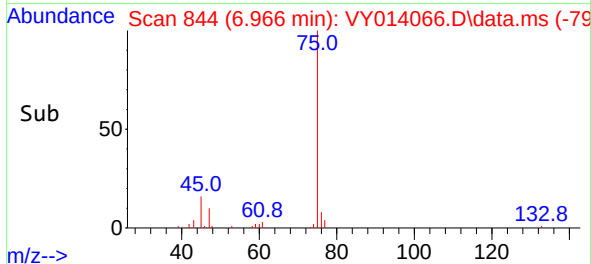
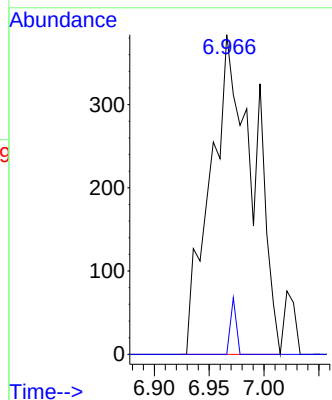
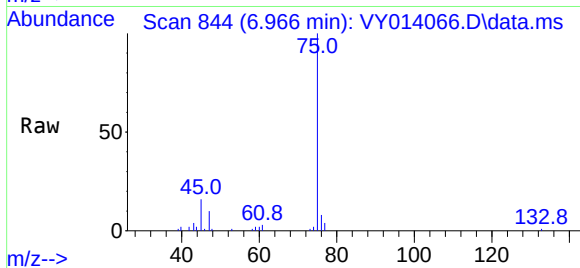
SB-02-5.0-7.0-DUPRE

Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.701 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY014066.D

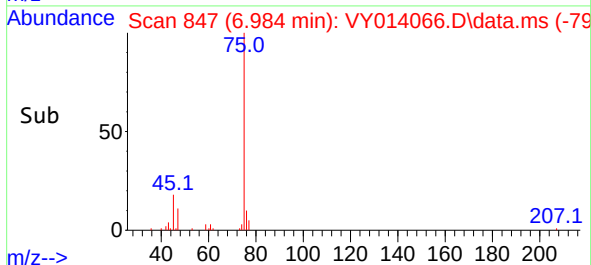
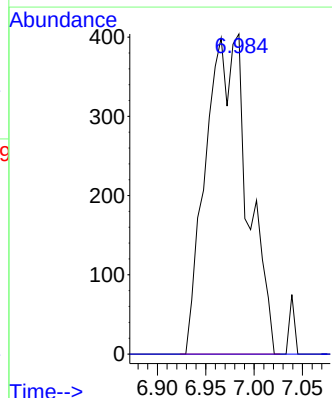
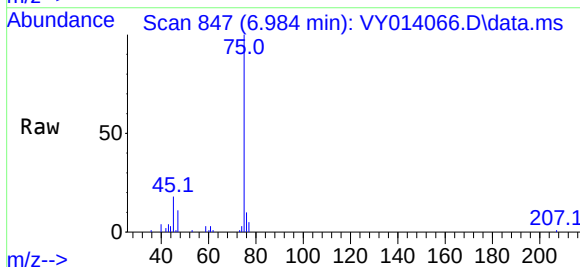
Acq: 07 Jun 2023 17:39

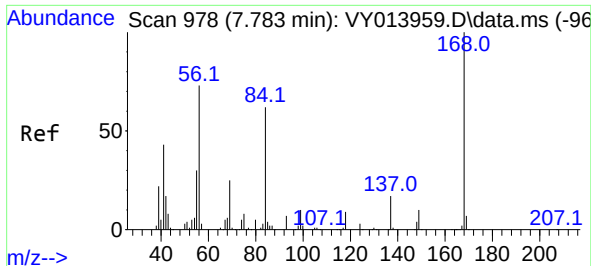
Tgt Ion: 77 Resp: 1217

Ion Ratio Lower Upper

77 100

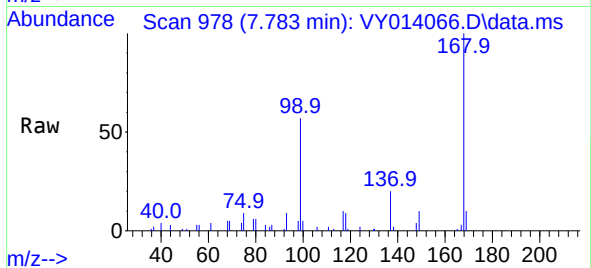
97 0.0 10.9 32.9#



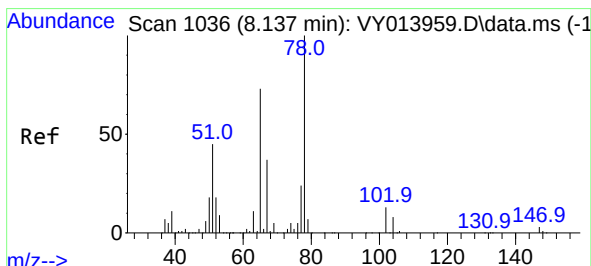
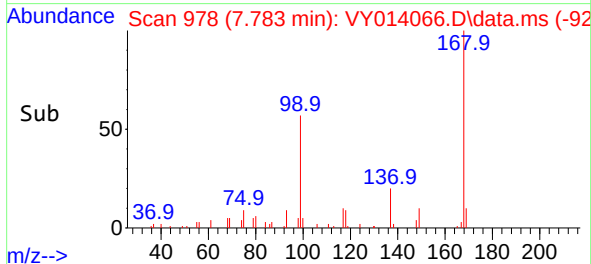
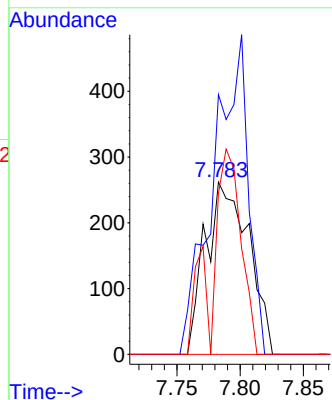


#31
Cyclohexane
Concen: 1.597 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUPRE

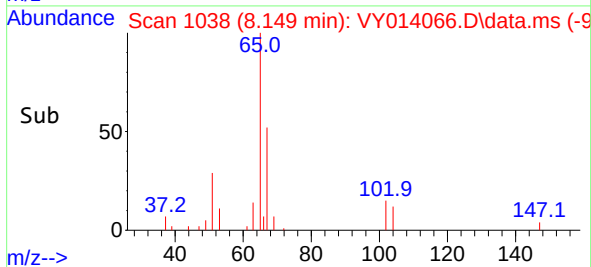
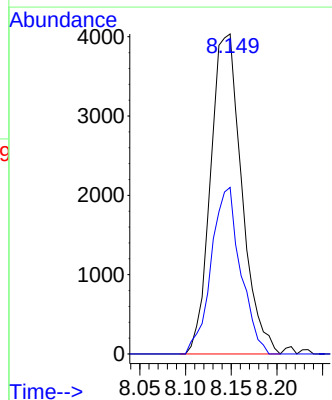
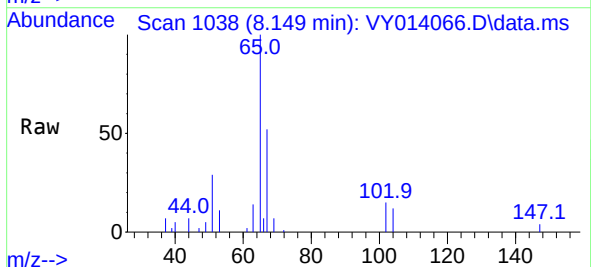


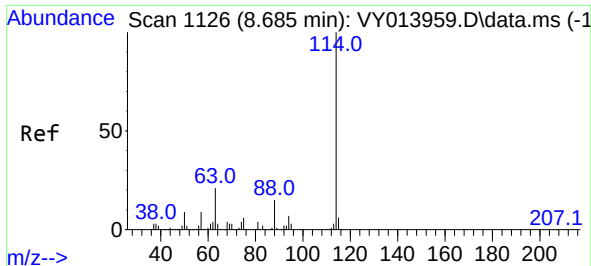
Tgt Ion: 56 Resp: 626
Ion Ratio Lower Upper
56 100
69 150.8 27.8 41.6#
84 93.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 29.348 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

Tgt Ion: 65 Resp: 9555
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY014066.D

Acq: 07 Jun 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-5.0-7.0-DUPRE

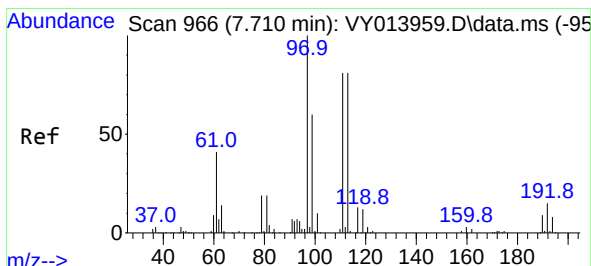
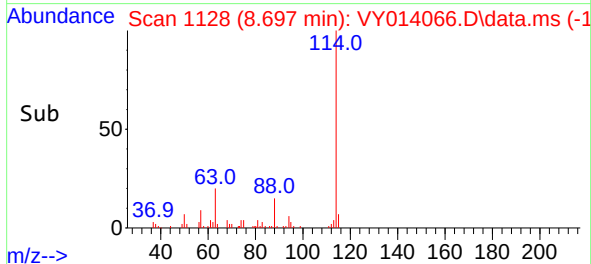
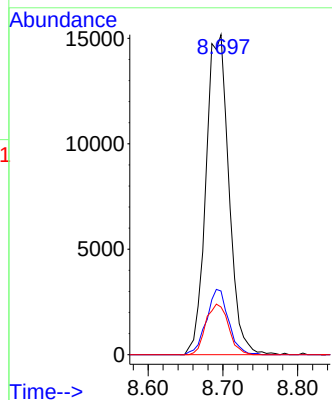
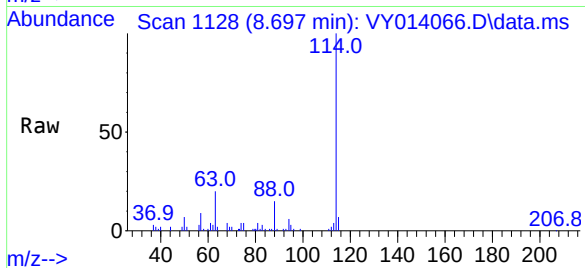
Tgt Ion:114 Resp: 32191

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.144 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY014066.D

Acq: 07 Jun 2023 17:39

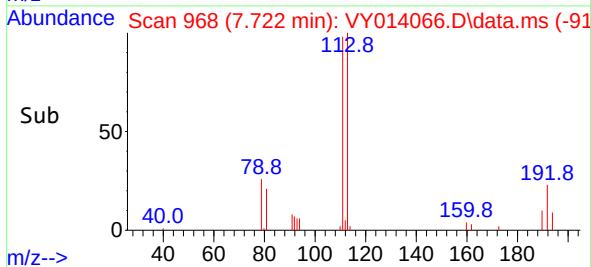
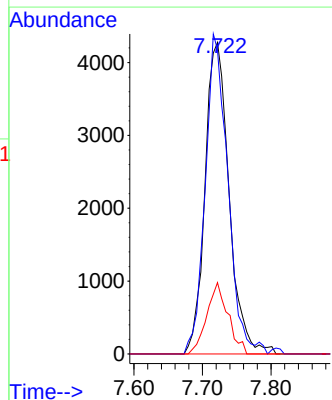
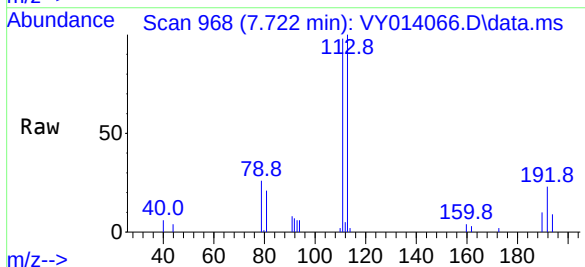
Tgt Ion:113 Resp: 10463

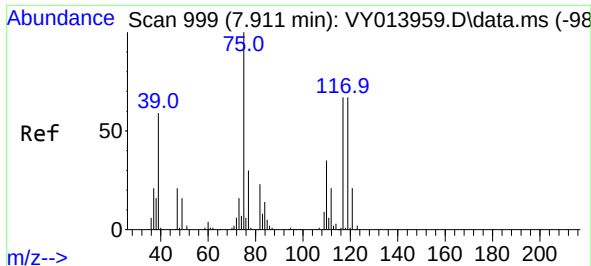
Ion Ratio Lower Upper

113 100

111 96.3 81.3 121.9

192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.941 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY014066.D

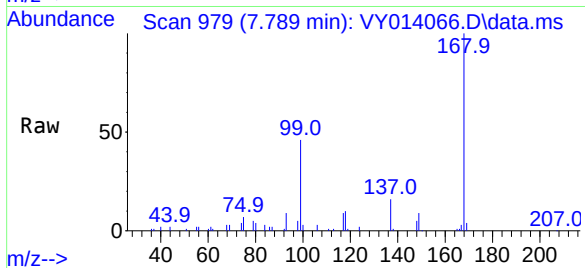
Acq: 07 Jun 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-5.0-7.0-DUPRE



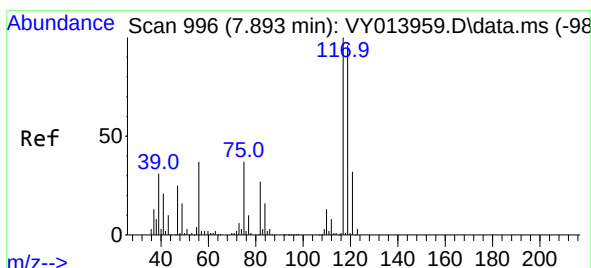
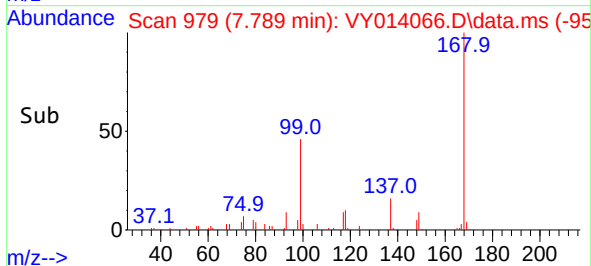
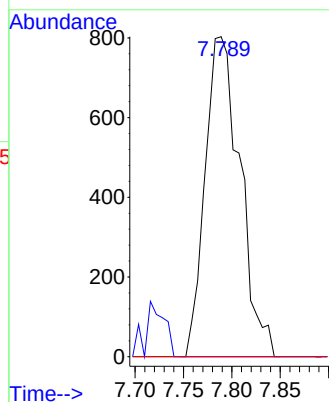
Tgt Ion: 75 Resp: 2023

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.214 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY014066.D

Acq: 07 Jun 2023 17:39

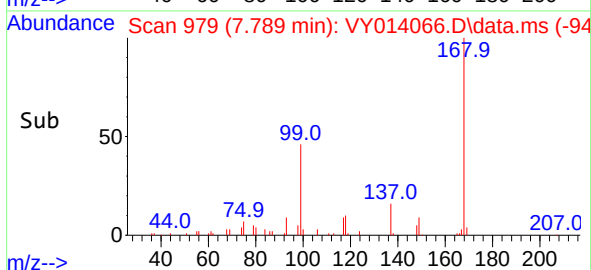
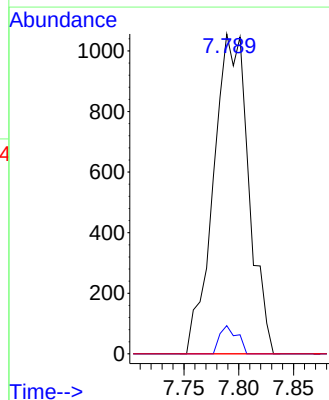
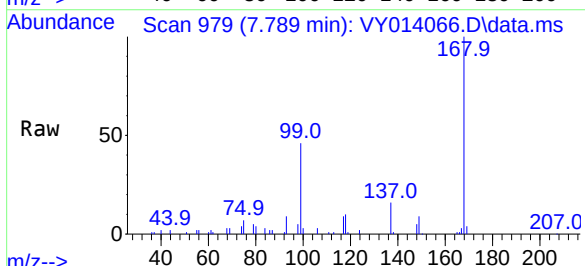
Tgt Ion: 117 Resp: 2356

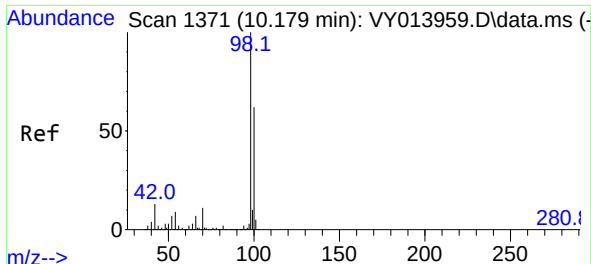
Ion Ratio Lower Upper

117 100

119 8.8 76.4 114.6#

121 0.0 25.8 38.6#

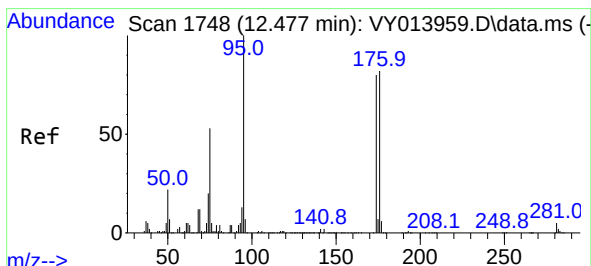
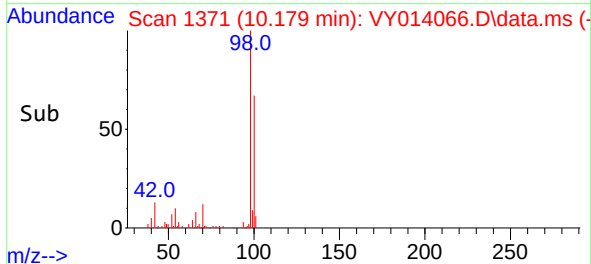
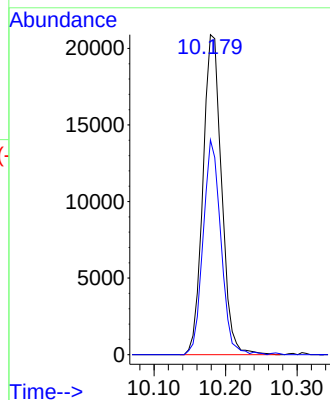
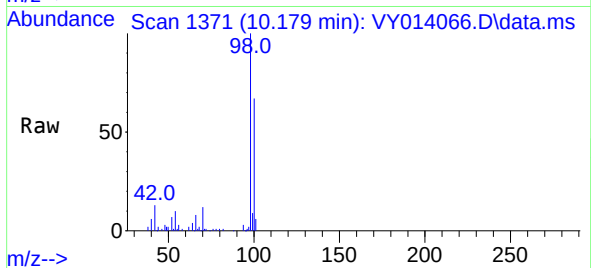




#50
Toluene-d8
Concen: 48.512 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

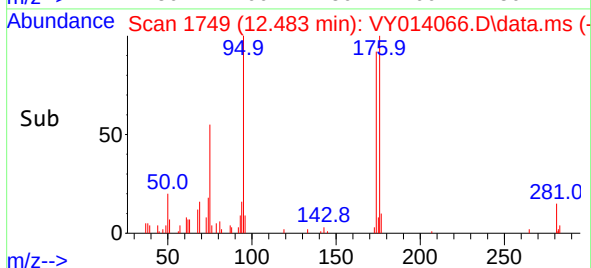
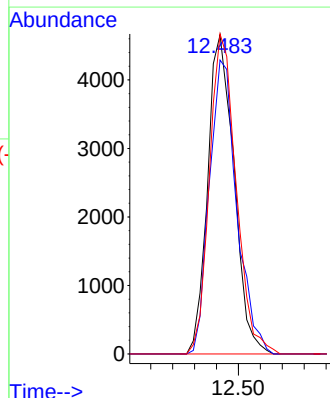
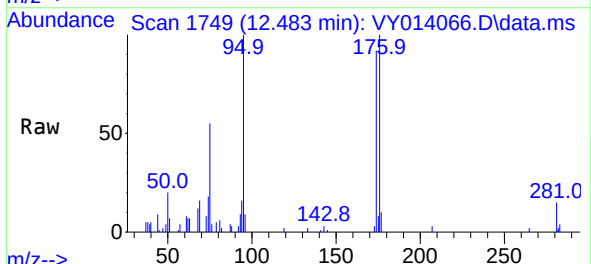
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUPRE

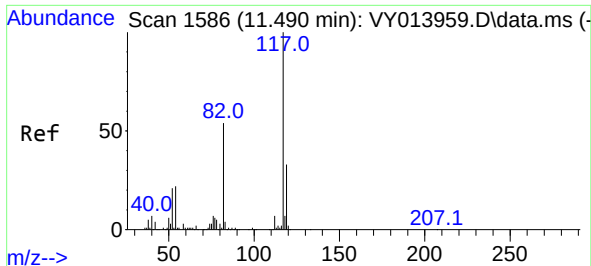
Tgt Ion: 98 Resp: 37856
Ion Ratio Lower Upper
98 100
100 64.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 29.207 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

Tgt Ion: 95 Resp: 7770
Ion Ratio Lower Upper
95 100
174 95.9 0.0 178.2
176 101.3 0.0 173.8

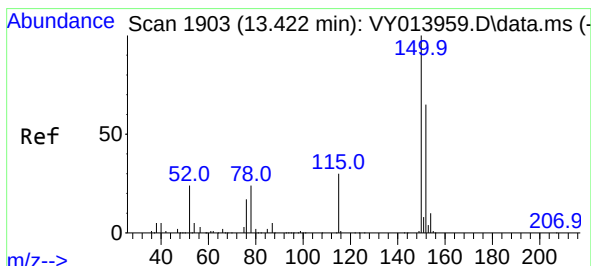
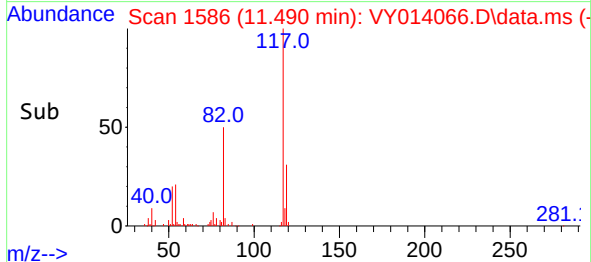
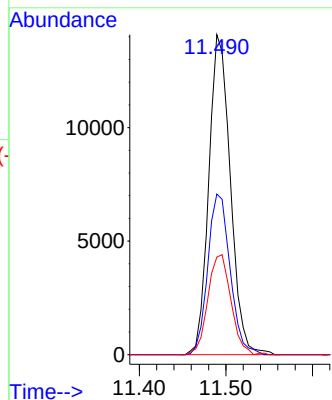
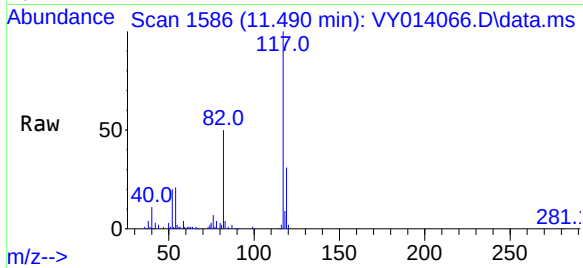




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

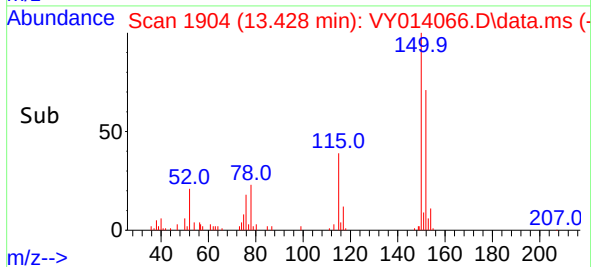
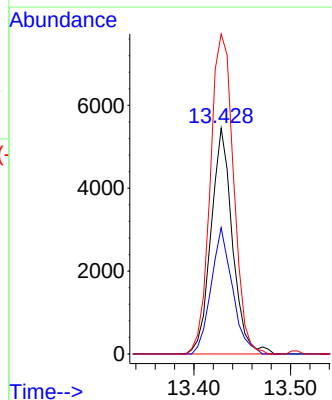
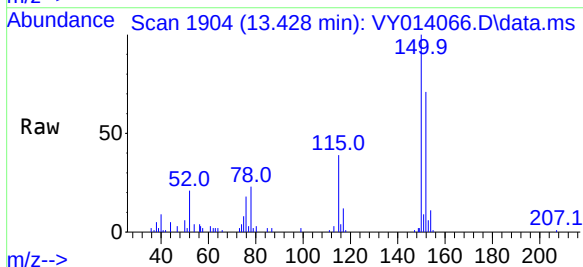
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUPRE

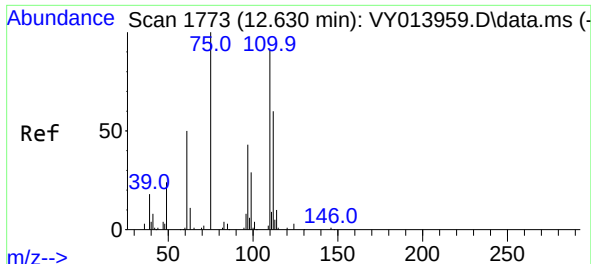
Tgt Ion:	117	Resp:	24401
Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.4	65.0
119	30.5	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

Tgt Ion:	152	Resp:	8395
Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.8	86.5
150	154.0	0.0	348.8

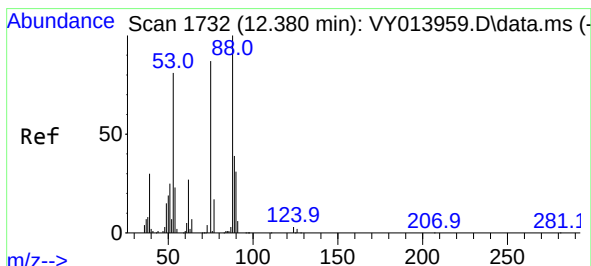
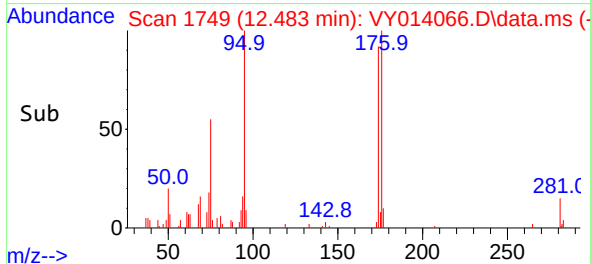
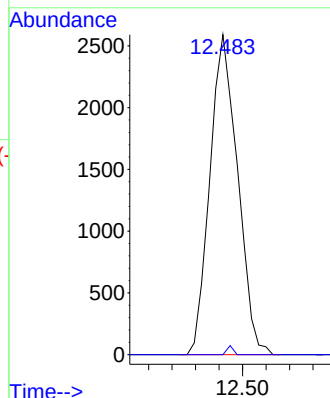
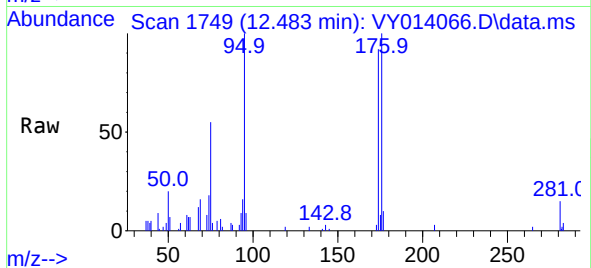




#76
1,2,3-Trichloropropane
Concen: 37.638 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

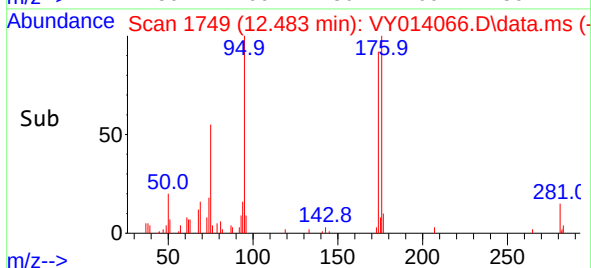
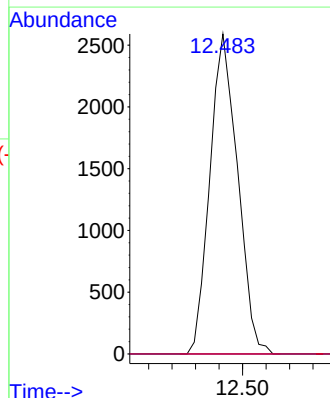
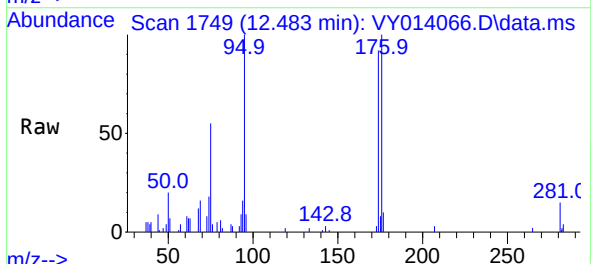
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUPRE

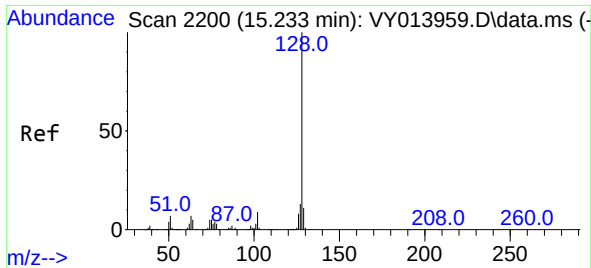
Tgt Ion: 75 Resp: 4252
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.849 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

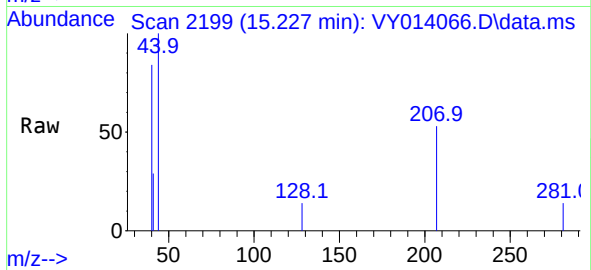
Tgt Ion: 75 Resp: 4252
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 3.925 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY014066.D
Acq: 07 Jun 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUPRE



Tgt Ion:	128	Resp:	19
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.6	13.0#

