

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015054.D
 Acq On : 11 Aug 2023 13:10
 Operator : SY/MD
 Sample : 03956-02
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP23A

Quant Time: Aug 11 14:26:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

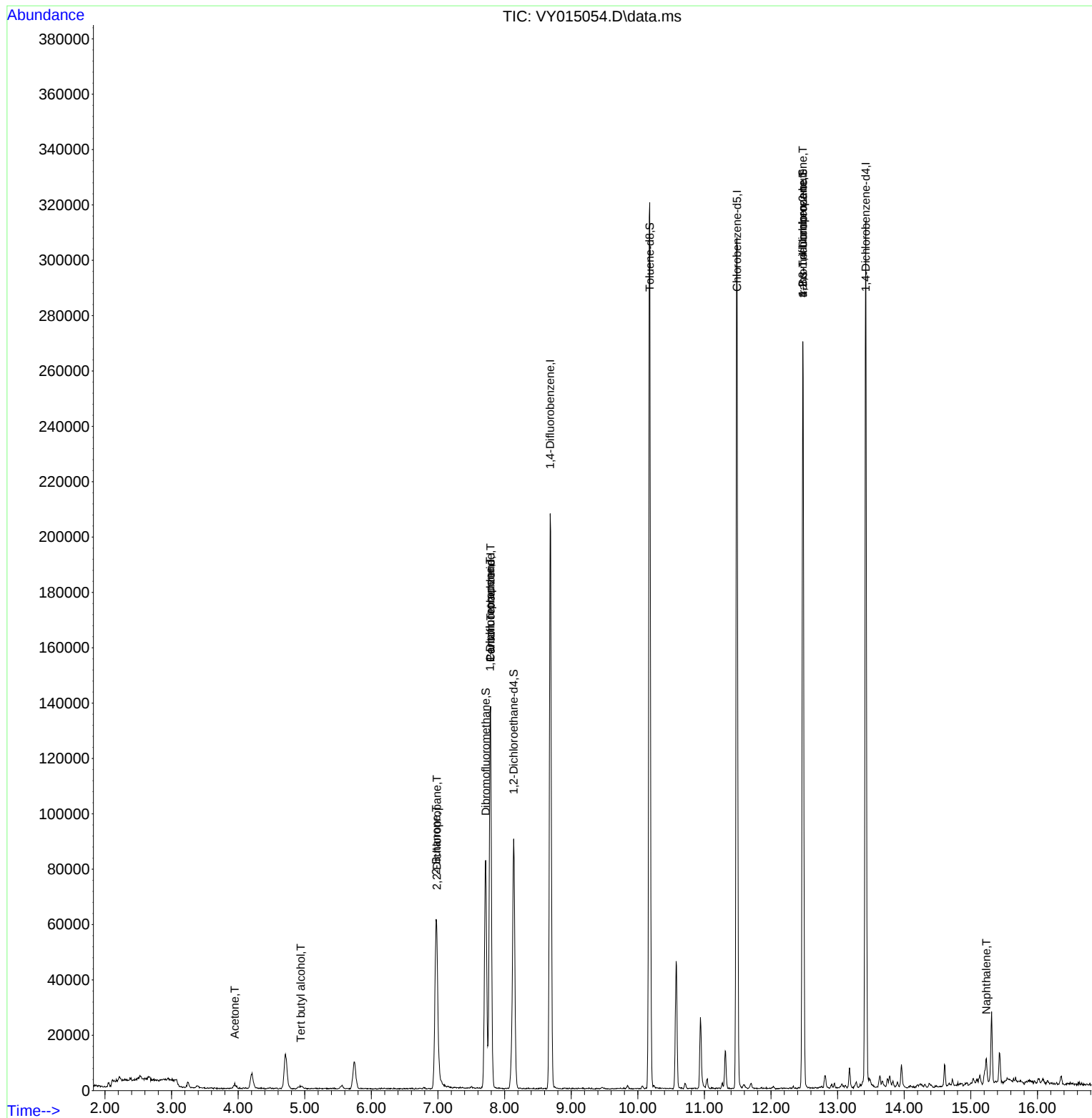
Internal Standards						
1) Pentafluorobenzene	7.789	168	110050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	182451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	171040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	66416	49.793	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.580%
35) Dibromofluoromethane	7.716	113	57725	49.476	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.960%
50) Toluene-d8	10.179	98	214944	48.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.477	95	76454	48.575	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	37	Below Cal	#	43
5) Bromomethane	2.656	94	684	Below Cal	#	57
11) Tert butyl alcohol	4.942	59	1657	5.147	ug/l #	89
16) Acetone	3.948	43	2943	7.076	ug/l #	77
20) Methylene Chloride	4.704	84	9361	Below Cal		84
25) 2-Butanone	6.972	43	3666	6.154	ug/l #	76
26) 2,2-Dichloropropane	6.984	77	4618	2.385	ug/l #	54
31) Cyclohexane	7.783	56	2337	Below Cal	#	27
36) 1,1-Dichloropropene	7.783	75	8936	6.169	ug/l #	48
38) Carbon Tetrachloride	7.789	117	10426	6.402	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	40867	43.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40867	96.230	ug/l #	11
95) Naphthalene	15.233	128	7468	2.157	ug/l #	96

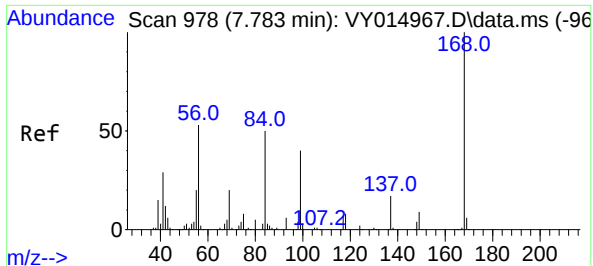
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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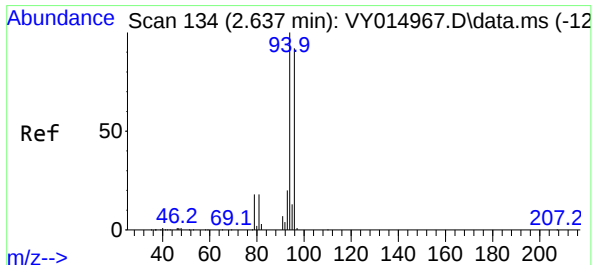
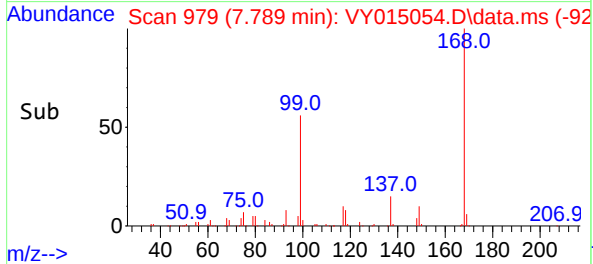
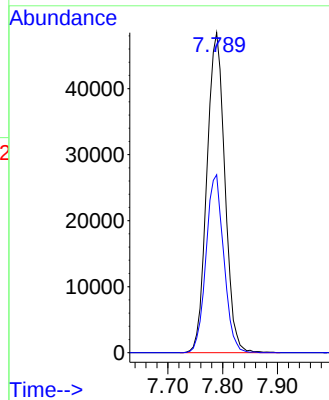
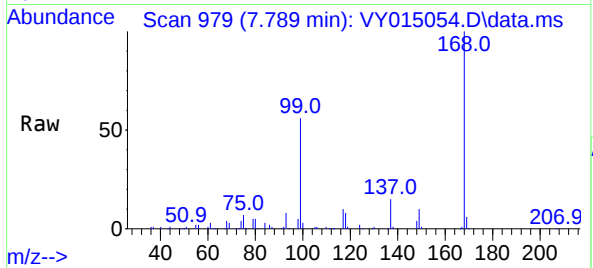




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

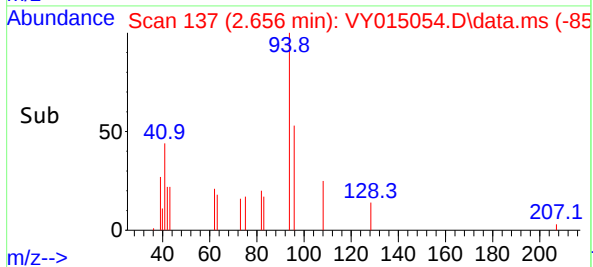
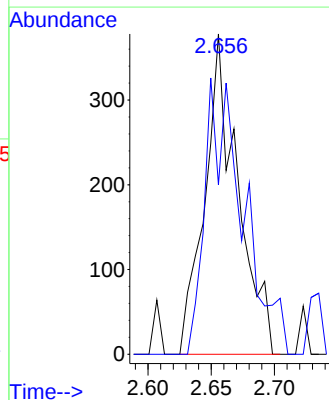
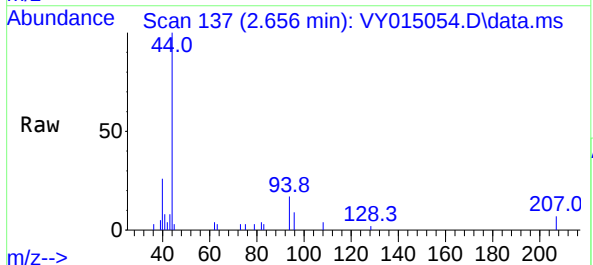
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

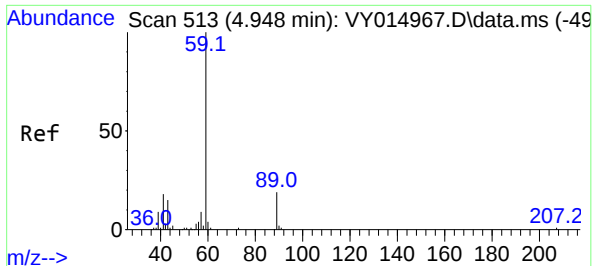
Tgt Ion:168 Resp: 110050
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

Tgt Ion: 94 Resp: 684
Ion Ratio Lower Upper
94 100
96 52.9 75.8 113.6#





#11

Tert butyl alcohol

Concen: 5.147 ug/l

RT: 4.942 min Scan# 512

Delta R.T. -0.006 min

Lab File: VY015054.D

Acq: 11 Aug 2023 13:10

Instrument :

MSVOA_Y

ClientSampleId :

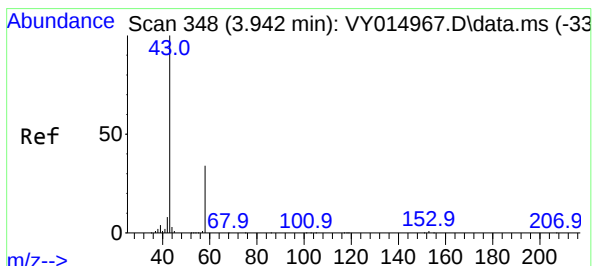
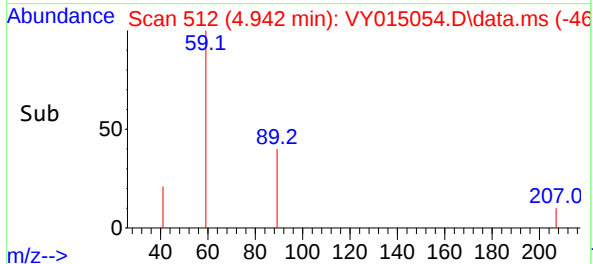
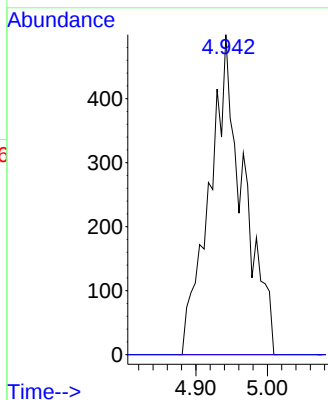
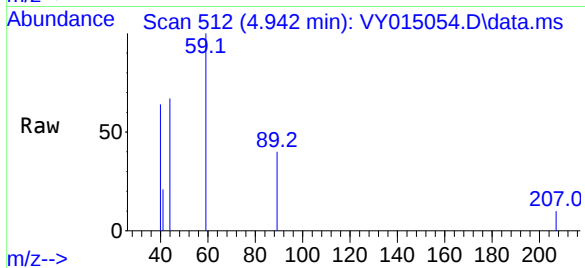
B-PP23A

Tgt Ion: 59 Resp: 1657

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 7.076 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015054.D

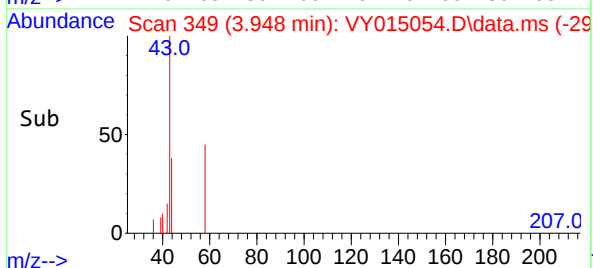
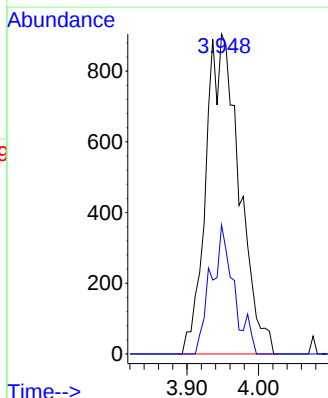
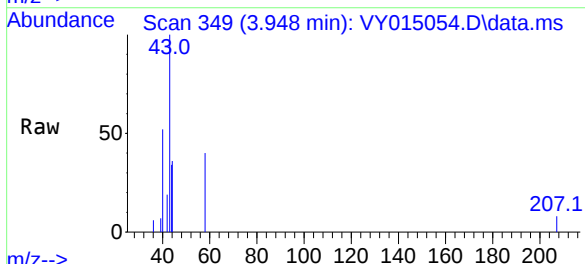
Acq: 11 Aug 2023 13:10

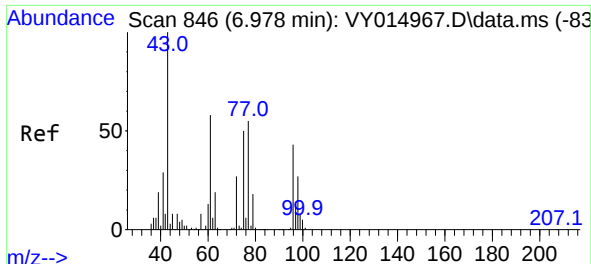
Tgt Ion: 43 Resp: 2943

Ion Ratio Lower Upper

43 100

58 40.3 22.7 34.1#





#25

2-Butanone

Concen: 6.154 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY015054.D

Acq: 11 Aug 2023 13:10

Instrument :

MSVOA_Y

ClientSampleId :

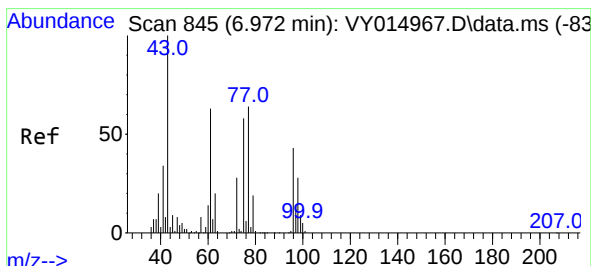
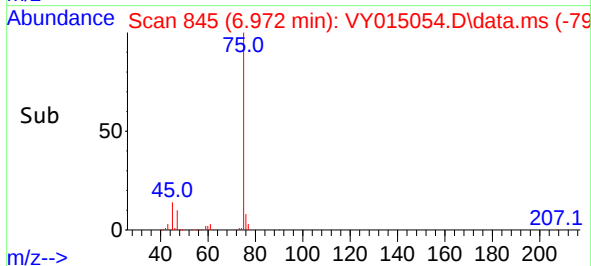
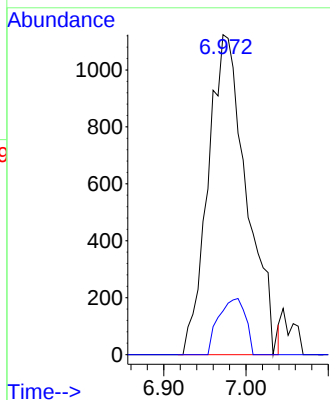
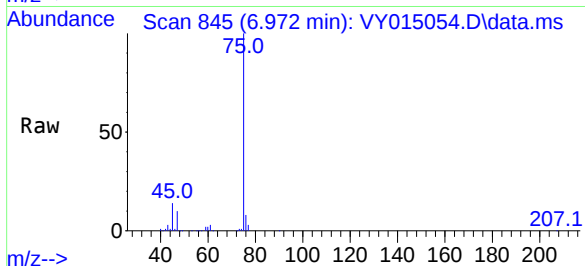
B-PP23A

Tgt Ion: 43 Resp: 3666

Ion Ratio Lower Upper

43 100

72 13.6 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.385 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY015054.D

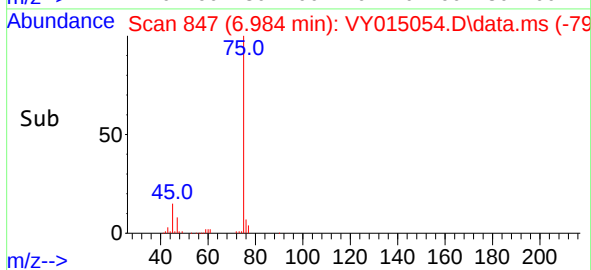
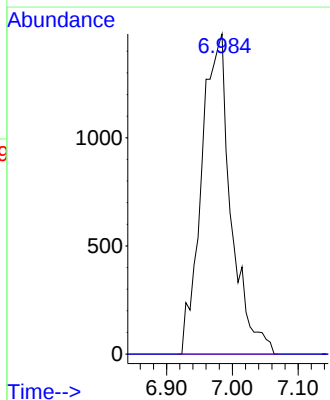
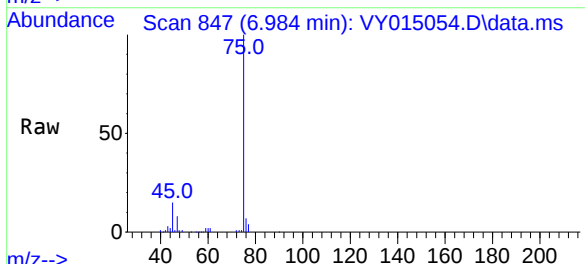
Acq: 11 Aug 2023 13:10

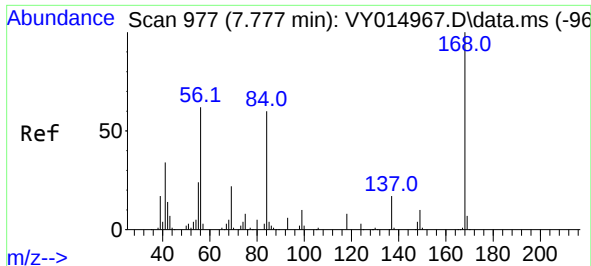
Tgt Ion: 77 Resp: 4618

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

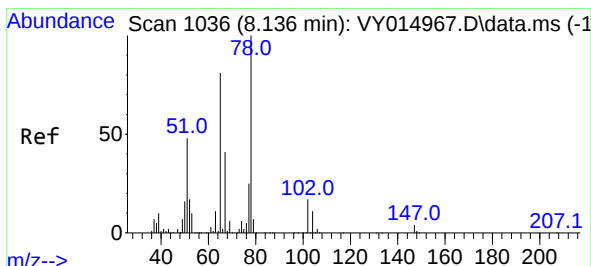
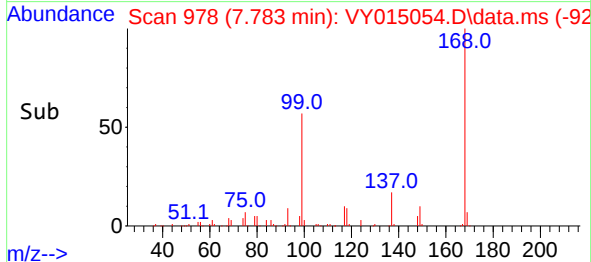
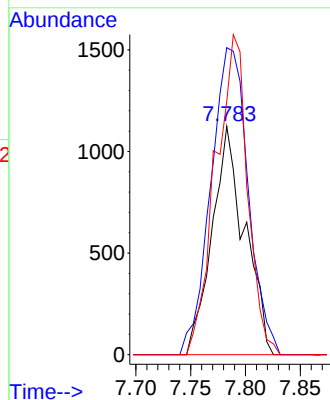
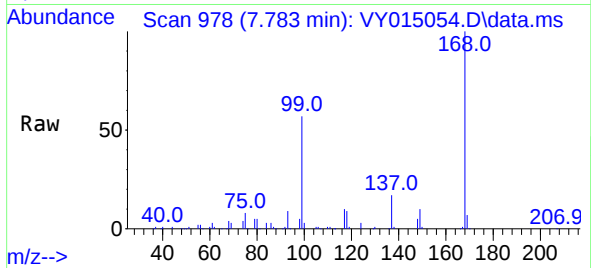




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

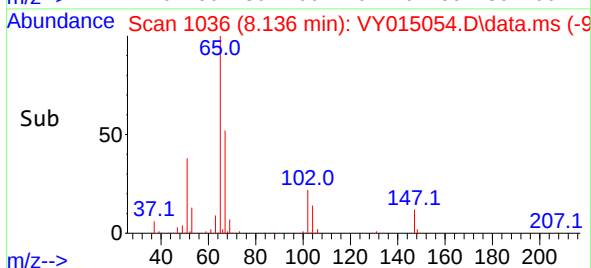
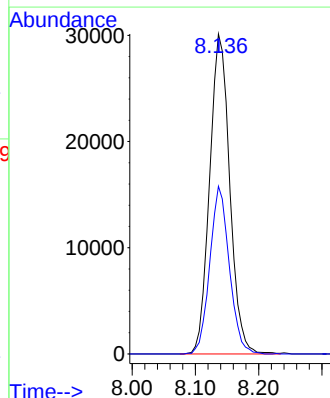
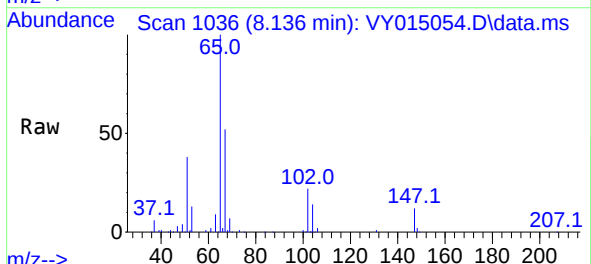
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

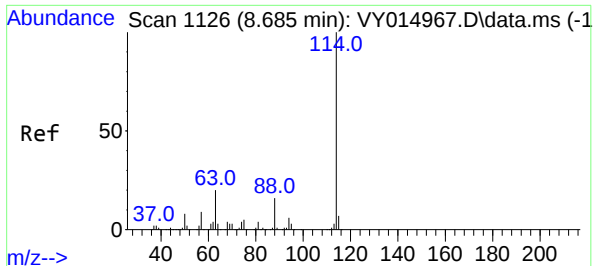
Tgt Ion: 56 Resp: 2337
Ion Ratio Lower Upper
56 100
69 134.4 27.8 41.6#
84 110.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.793 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

Tgt Ion: 65 Resp: 66416
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015054.D

Acq: 11 Aug 2023 13:10

Instrument :

MSVOA_Y

ClientSampleId :

B-PP23A

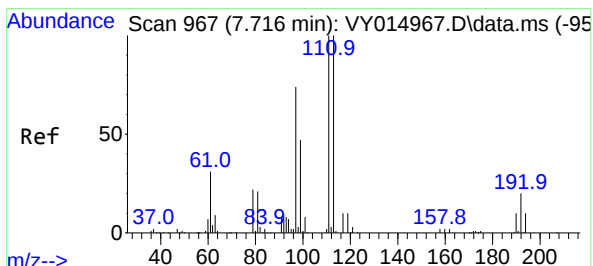
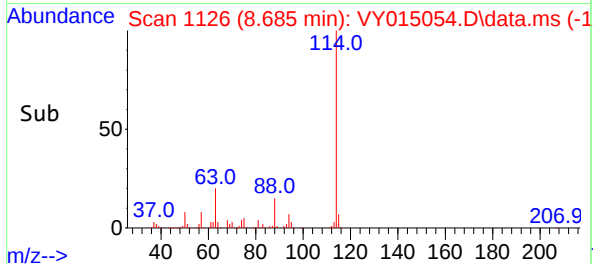
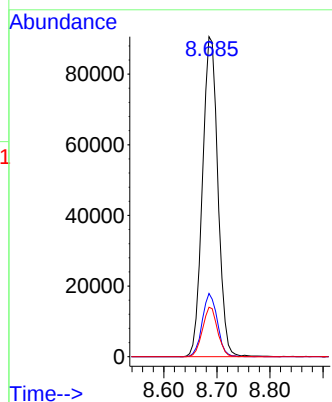
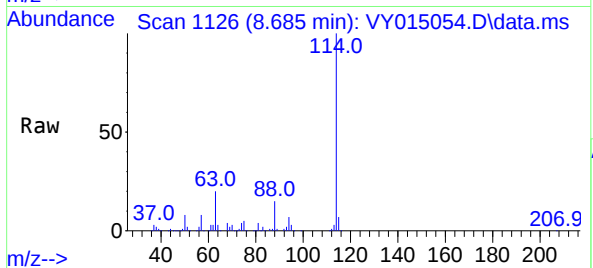
Tgt Ion:114 Resp: 182451

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.476 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015054.D

Acq: 11 Aug 2023 13:10

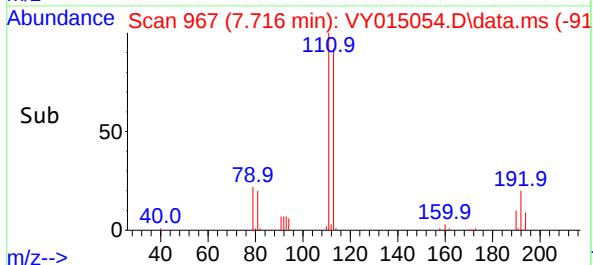
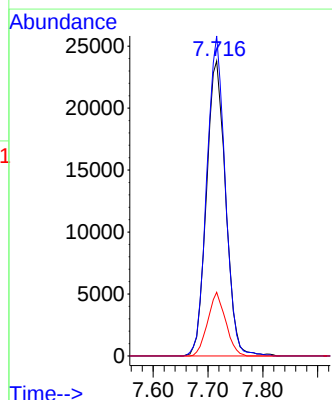
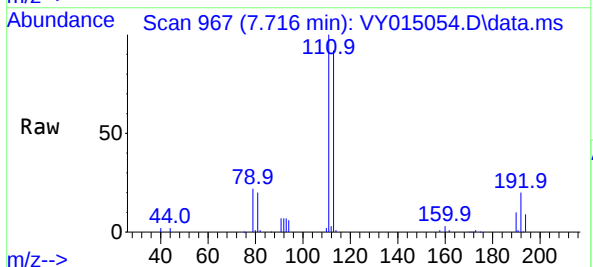
Tgt Ion:113 Resp: 57725

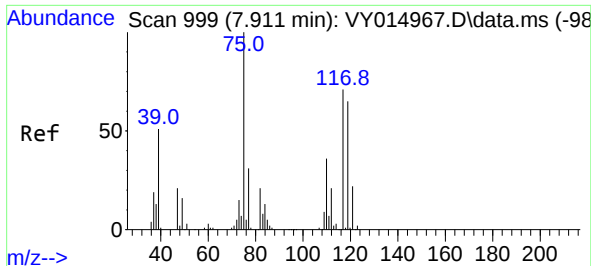
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 20.2 16.9 25.3

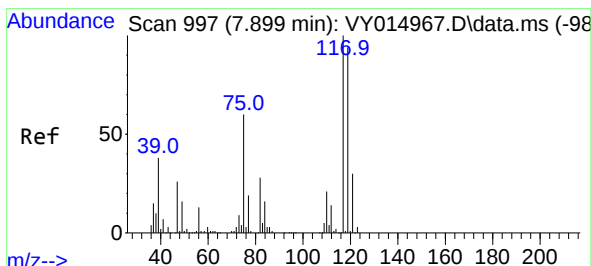
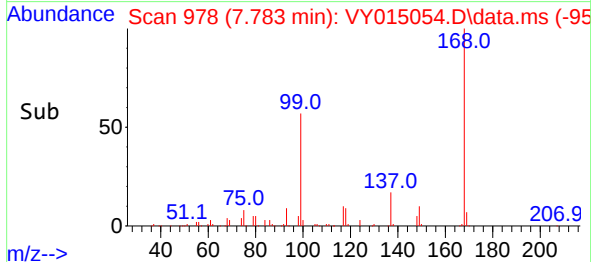
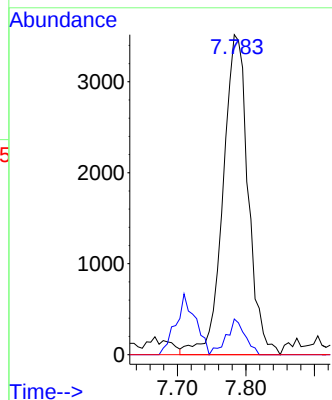
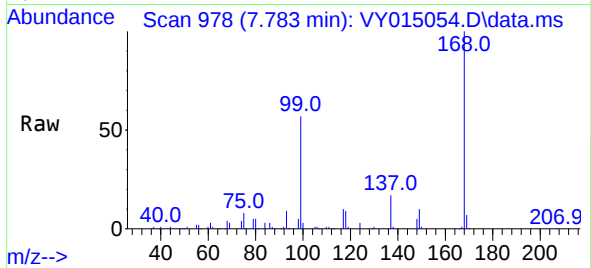




#36
1,1-Dichloropropene
Concen: 6.169 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

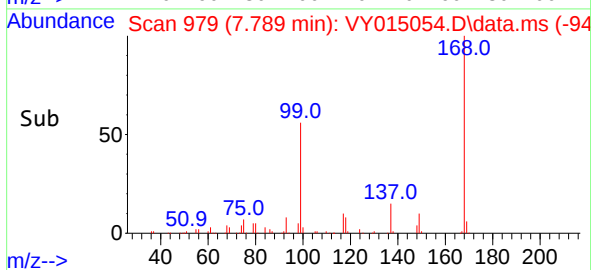
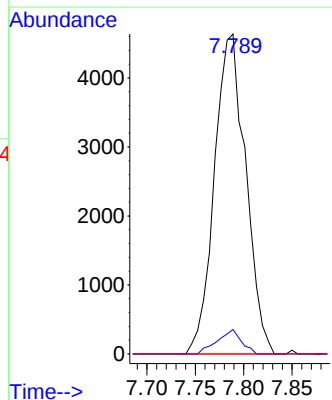
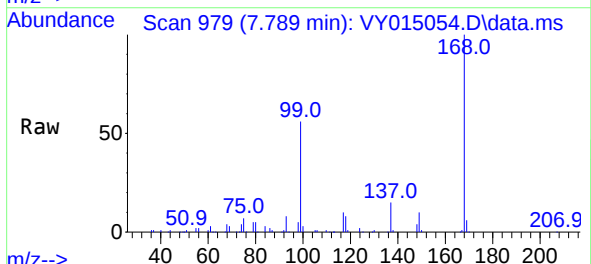
Instrument :
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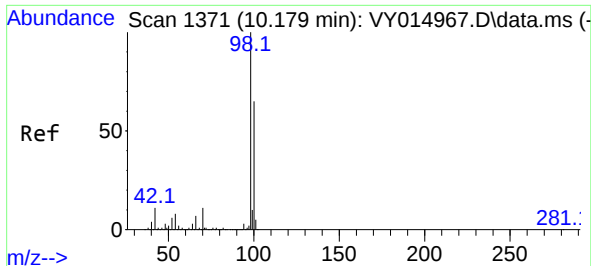
Tgt Ion: 75 Resp: 8936
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.402 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

Tgt Ion: 117 Resp: 10426
Ion Ratio Lower Upper
117 100
119 7.6 76.4 114.6#
121 0.0 25.8 38.6#

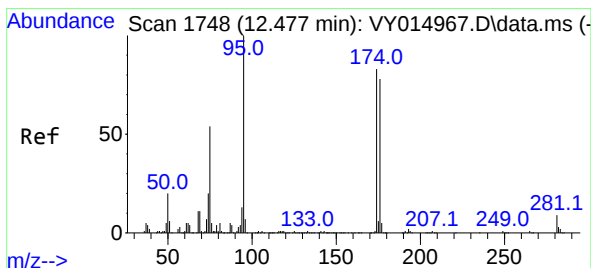
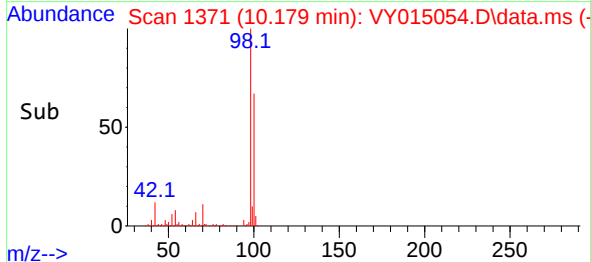
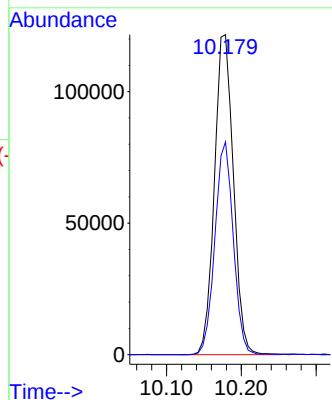
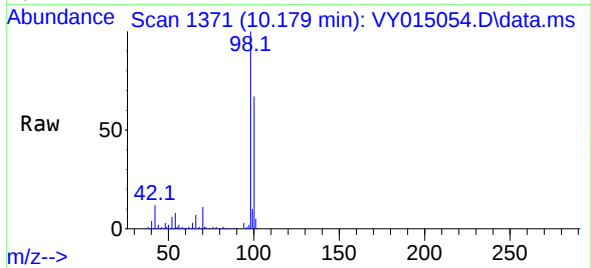




#50
Toluene-d8
Concen: 48.401 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

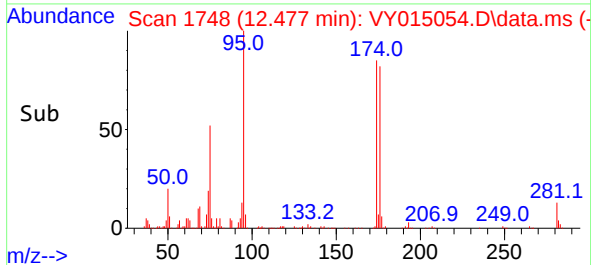
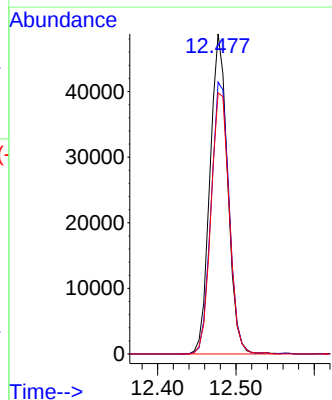
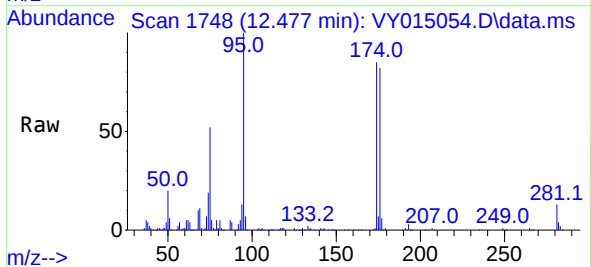
Instrument :
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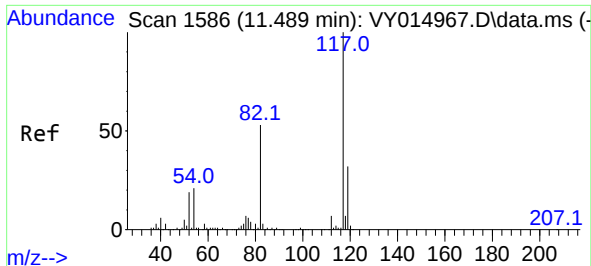
Tgt Ion: 98 Resp: 214944
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.575 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

Tgt Ion: 95 Resp: 76454
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 84.2 0.0 173.8

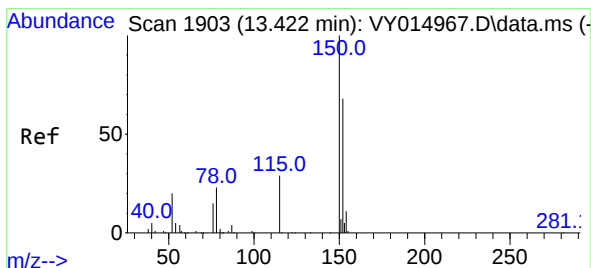
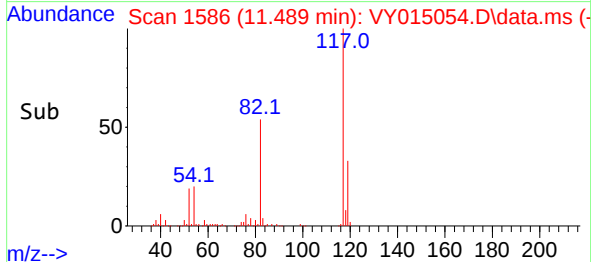
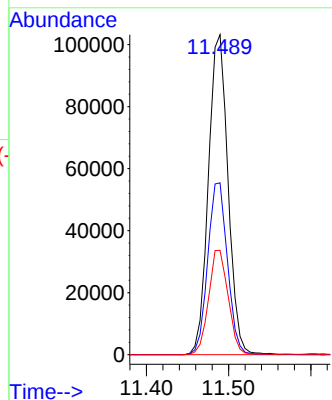
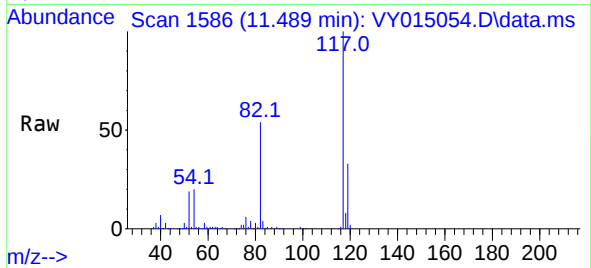




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

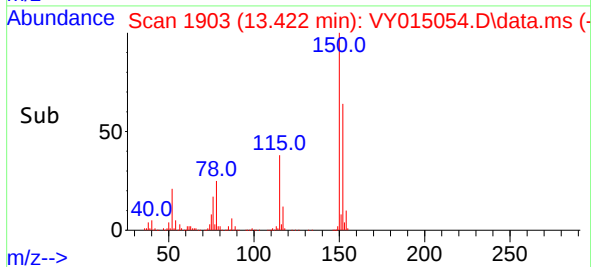
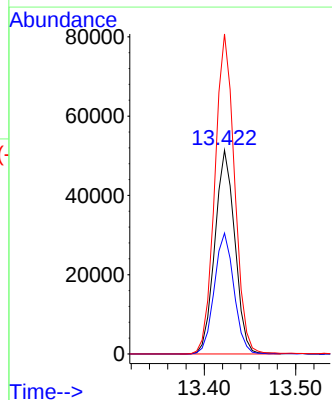
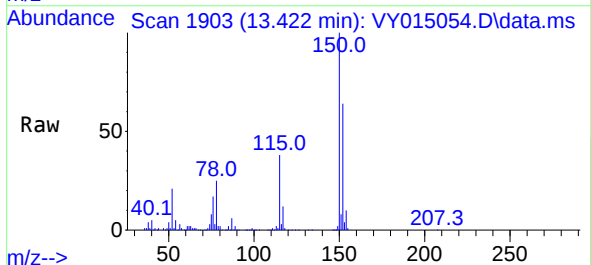
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

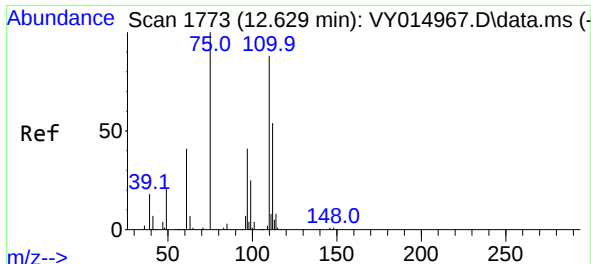
Tgt Ion:117 Resp: 171040
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

Tgt Ion:152 Resp: 78080
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 155.5 0.0 348.8

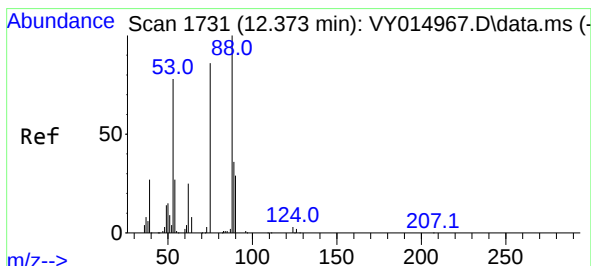
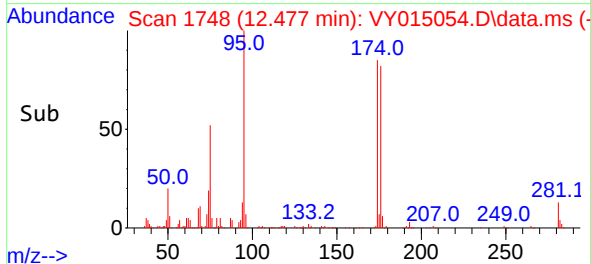
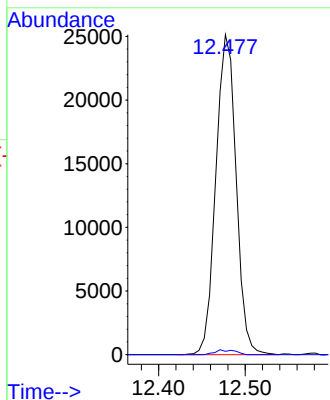
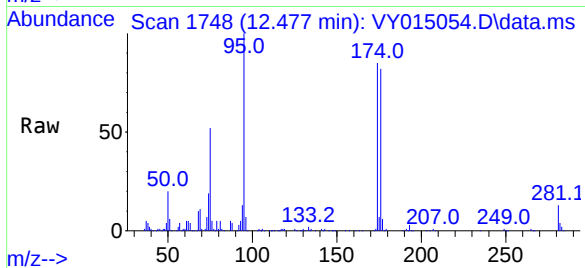




#76
1,2,3-Trichloropropane
Concen: 43.681 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

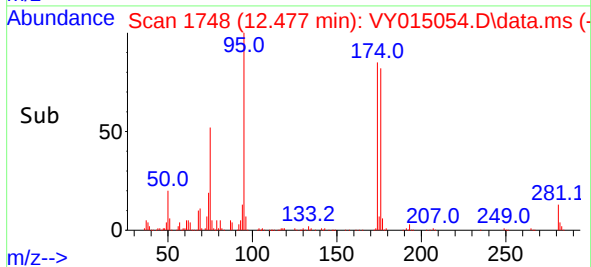
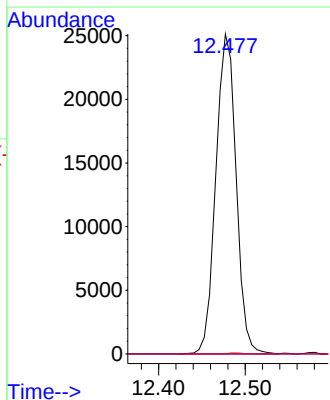
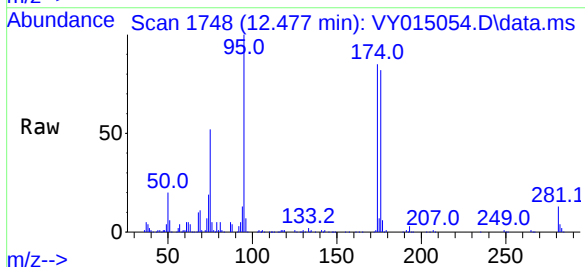
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

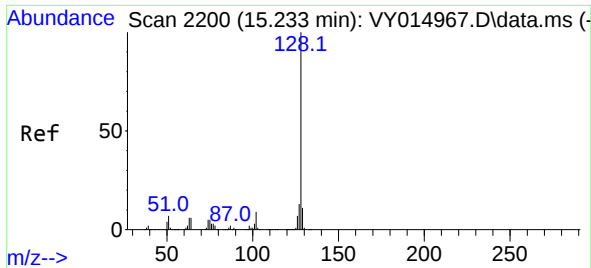
Tgt Ion: 75 Resp: 40867
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.230 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

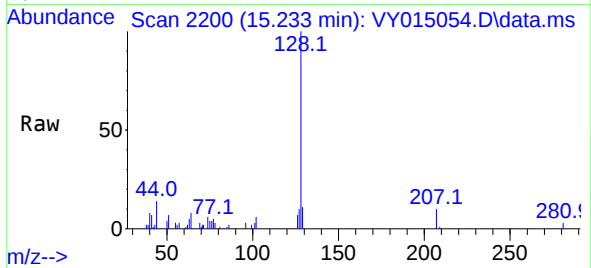
Tgt Ion: 75 Resp: 40867
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#





#95
Naphthalene
Concen: 2.157 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015054.D
Acq: 11 Aug 2023 13:10

Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A



Tgt Ion:	128	Resp:	7468
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	13.3	8.6	13.0

