

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015055.D
 Acq On : 11 Aug 2023 13:33
 Operator : SY/MD
 Sample : 03956-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP23B

Quant Time: Aug 11 14:26:31 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)

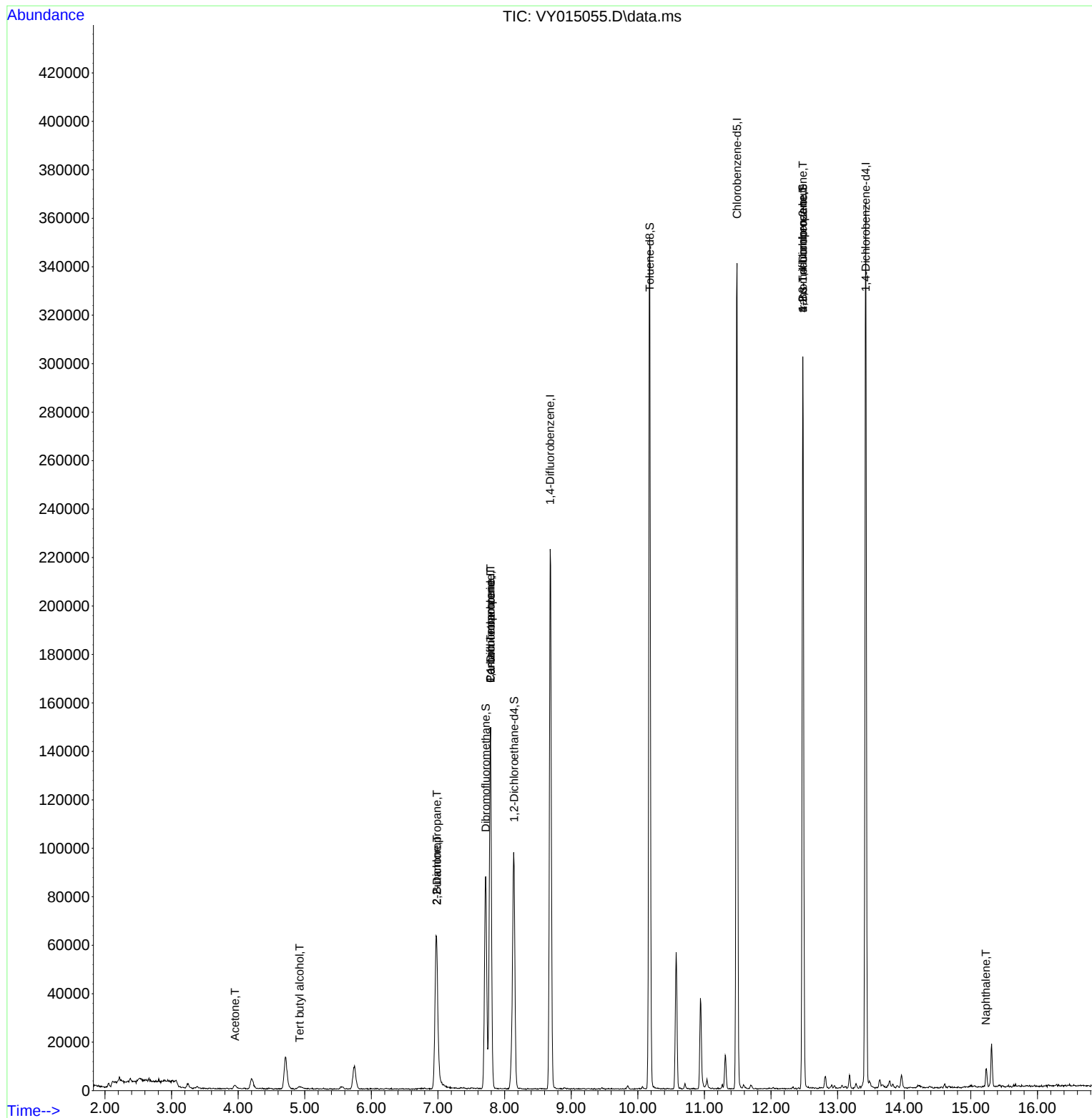
Internal Standards						
1) Pentafluorobenzene	7.789	168	115965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	196459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	186844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72900	51.867	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.740%	
35) Dibromofluoromethane	7.716	113	61338	48.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.640%	
50) Toluene-d8	10.179	98	231975	48.512	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.020%	
62) 4-Bromofluorobenzene	12.477	95	84211	49.689	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.380%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	57	Below Cal	#	43
5) Bromomethane	2.662	94	369	Below Cal		99
11) Tert butyl alcohol	4.923	59	946	2.789	ug/l #	89
16) Acetone	3.954	43	2907	6.633	ug/l	98
20) Methylene Chloride	4.710	84	9930	Below Cal		87
25) 2-Butanone	6.984	43	3954	6.299	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	4825	2.365	ug/l #	54
31) Cyclohexane	7.783	56	2304	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	9012	5.778	ug/l #	49
38) Carbon Tetrachloride	7.789	117	11245	6.413	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	45801	41.956	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45801	92.429	ug/l #	11
95) Naphthalene	15.226	128	6569	1.626	ug/l	98

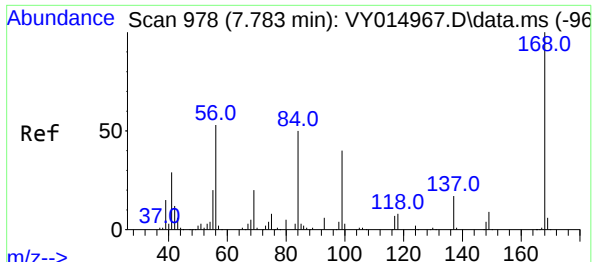
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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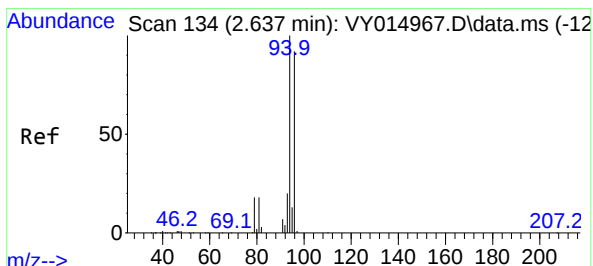
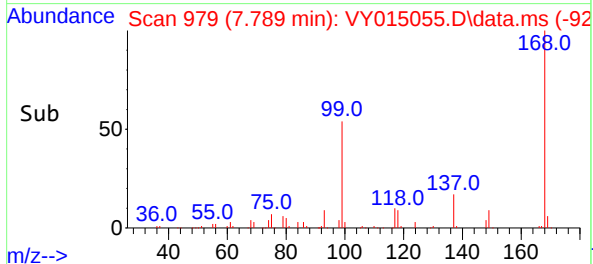
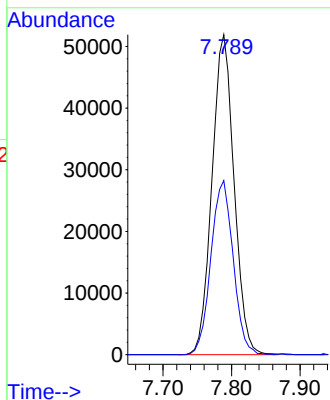
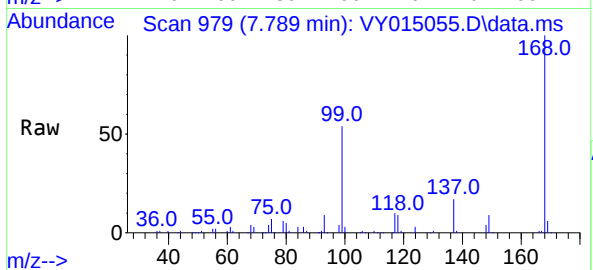




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

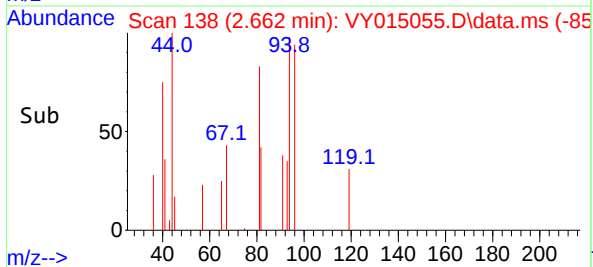
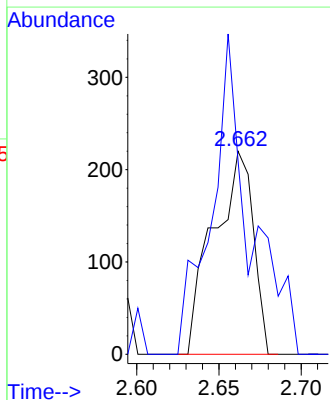
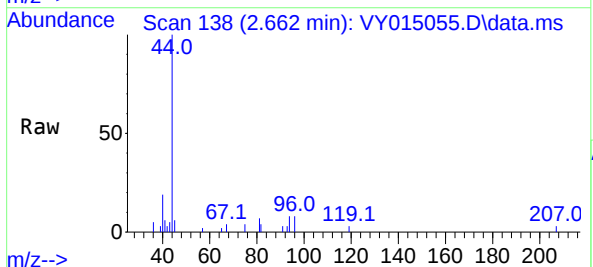
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

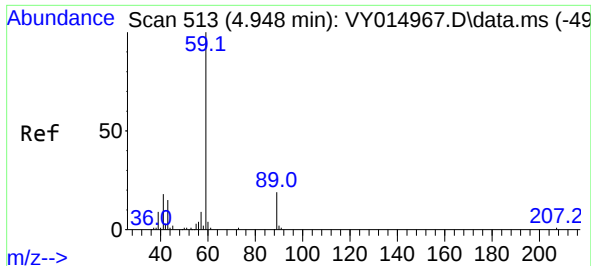
Tgt Ion:168 Resp: 115965
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion: 94 Resp: 369
Ion Ratio Lower Upper
94 100
96 95.5 75.8 113.6

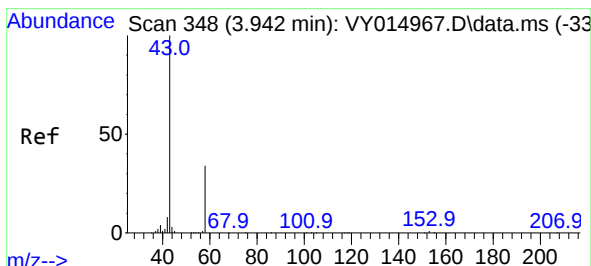
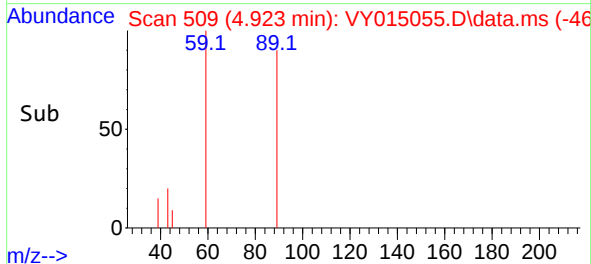
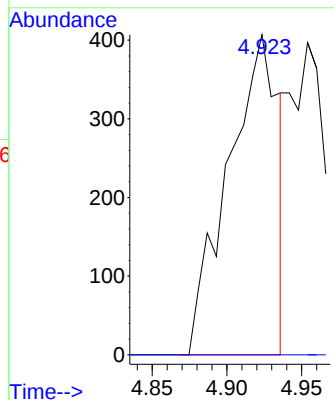
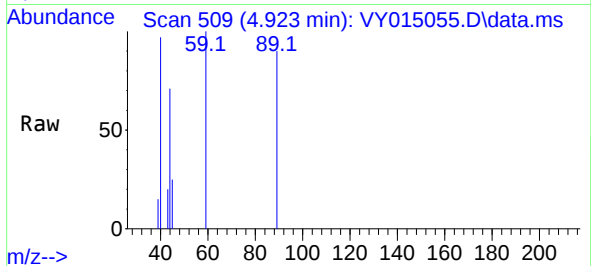




#11
Tert butyl alcohol
Concen: 2.789 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

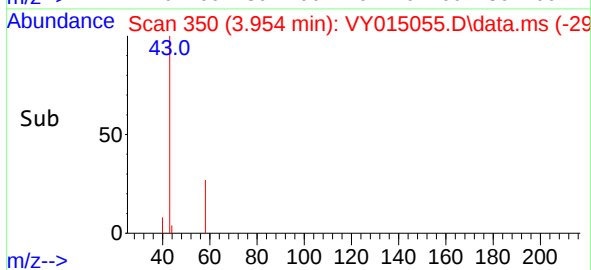
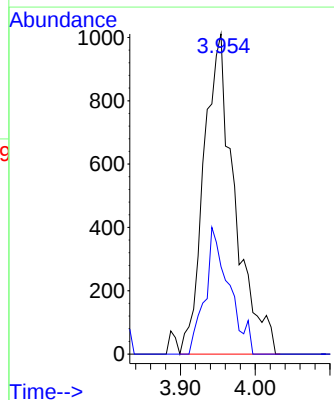
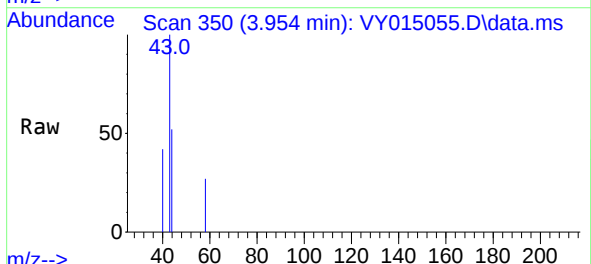
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

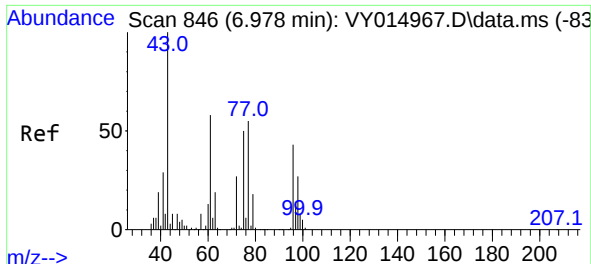
Tgt Ion: 59 Resp: 946
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 6.633 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion: 43 Resp: 2907
Ion Ratio Lower Upper
43 100
58 27.3 22.7 34.1

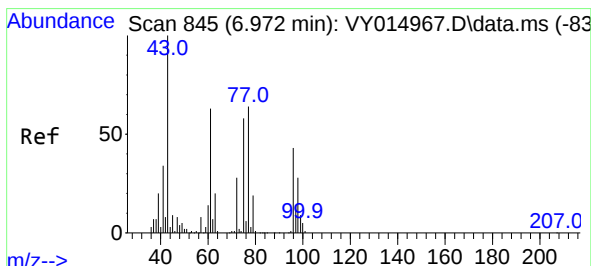
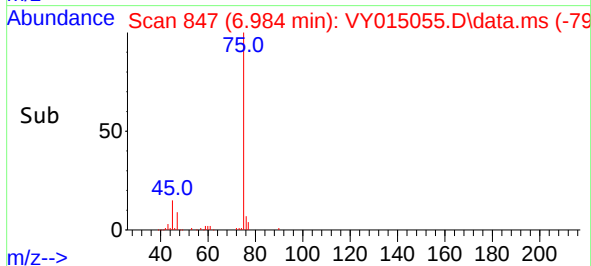
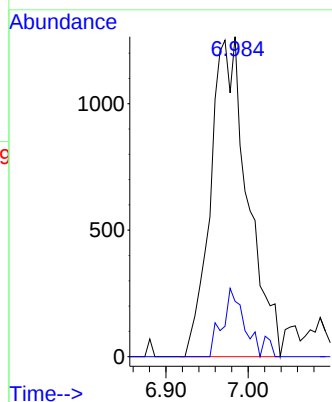
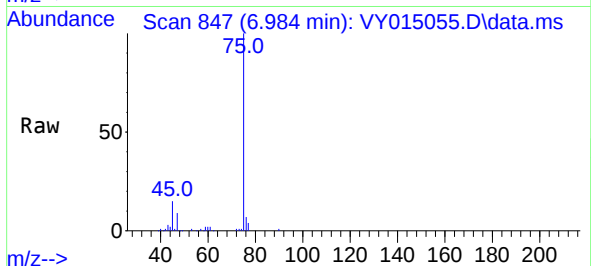




#25
2-Butanone
Concen: 6.299 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

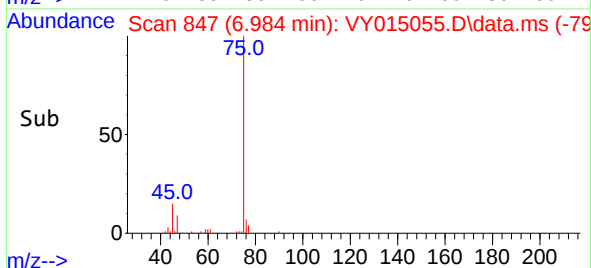
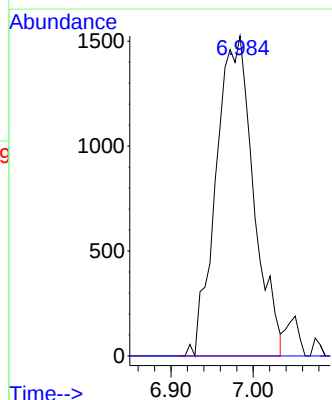
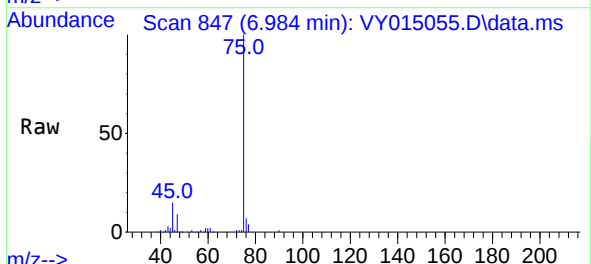
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

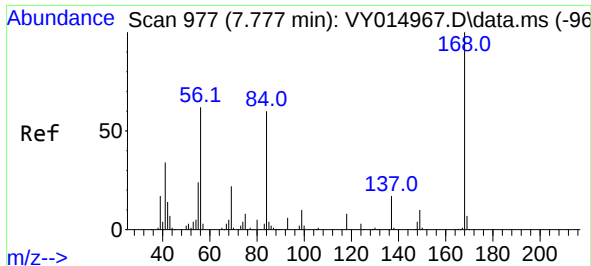
Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
72 17.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.365 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion: 77 Resp: 4825
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

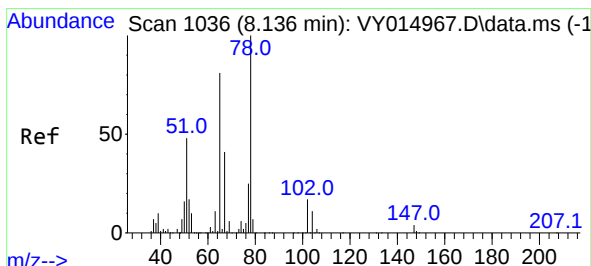
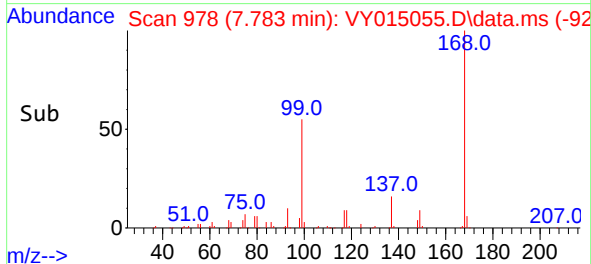
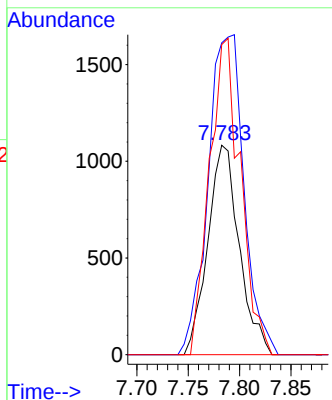
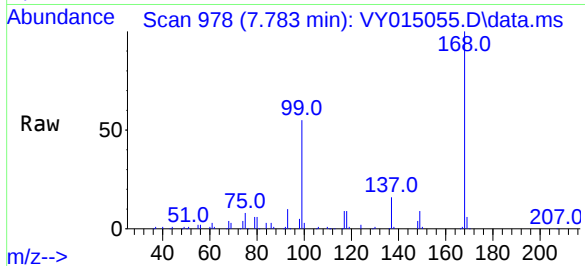




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

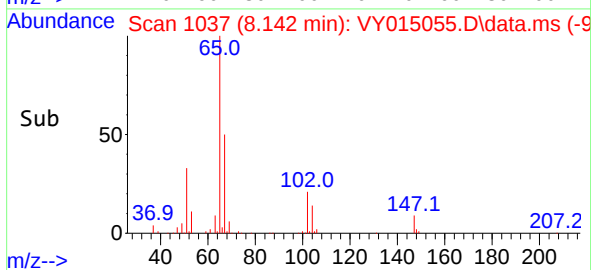
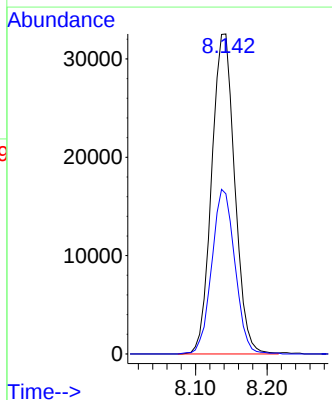
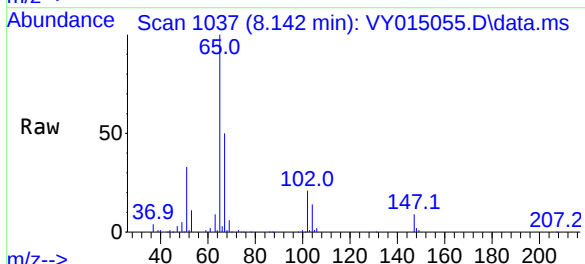
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

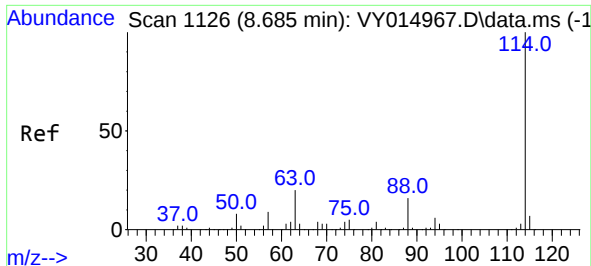
Tgt Ion: 56 Resp: 2304
Ion Ratio Lower Upper
56 100
69 148.9 27.8 41.6#
84 148.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 51.867 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion: 65 Resp: 72900
Ion Ratio Lower Upper
65 100
67 51.7 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: VY015055.D

Acq: 11 Aug 2023 13:33

Instrument :

MSVOA_Y

ClientSampleId :

B-PP23B

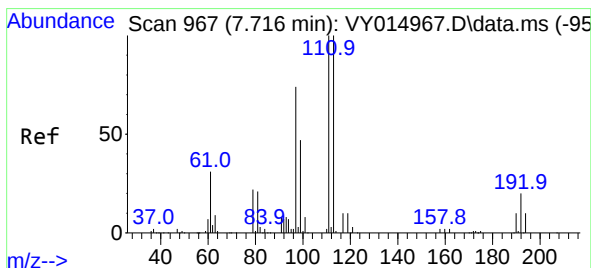
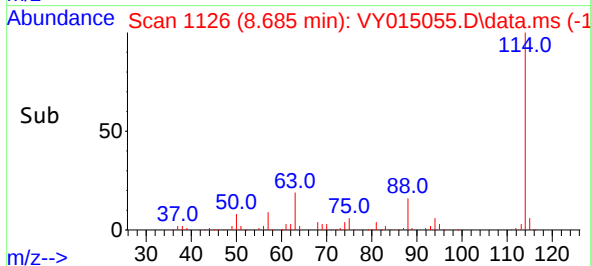
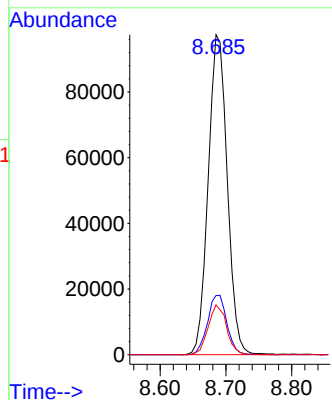
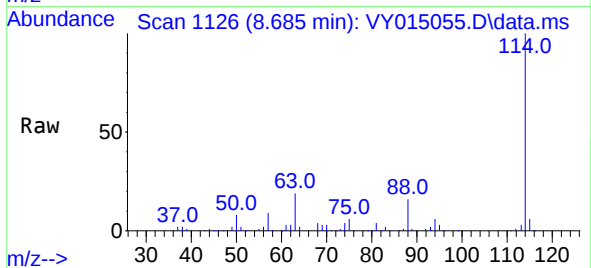
Tgt Ion:114 Resp: 196459

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.824 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015055.D

Acq: 11 Aug 2023 13:33

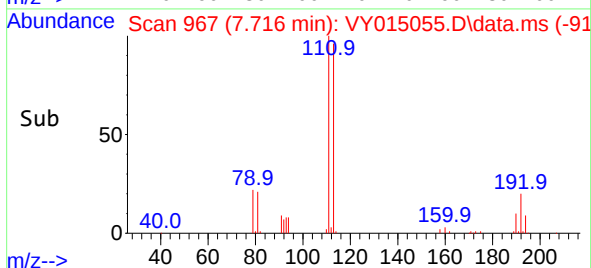
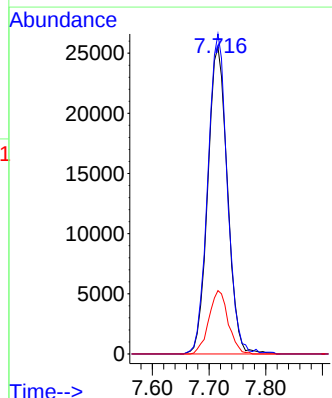
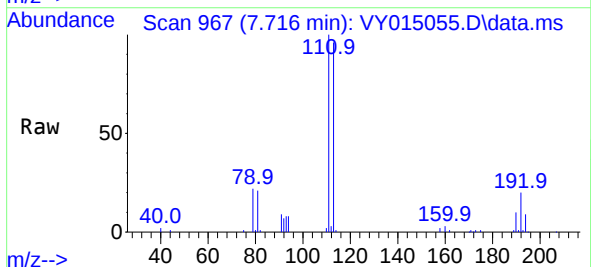
Tgt Ion:113 Resp: 61338

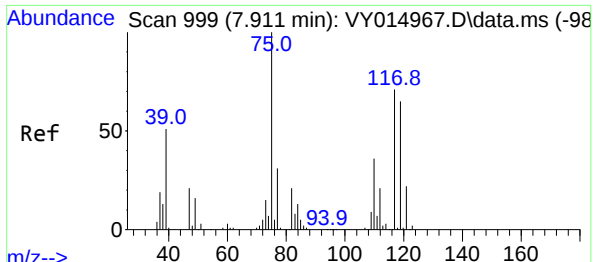
Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

192 20.3 16.9 25.3

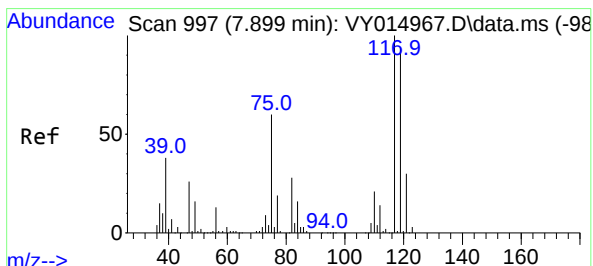
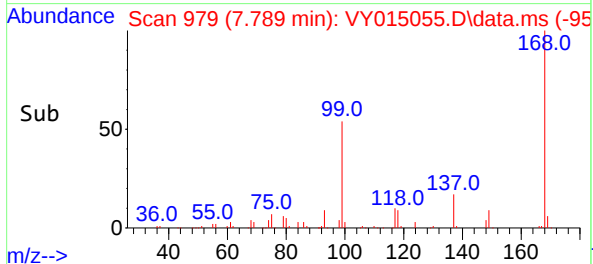
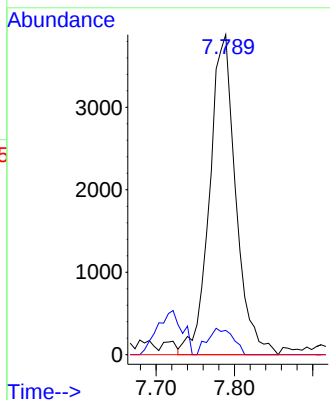
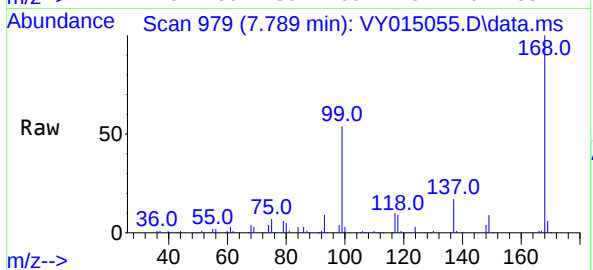




#36
1,1-Dichloropropene
Concen: 5.778 ug/l
RT: 7.789 min Scan# 912
Delta R.T. -0.122 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

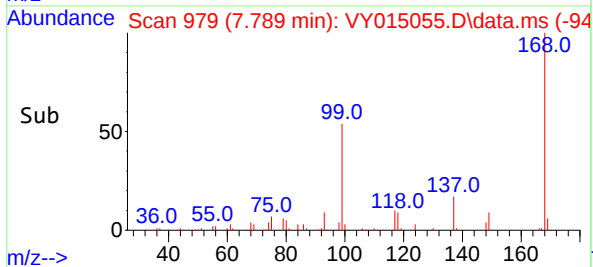
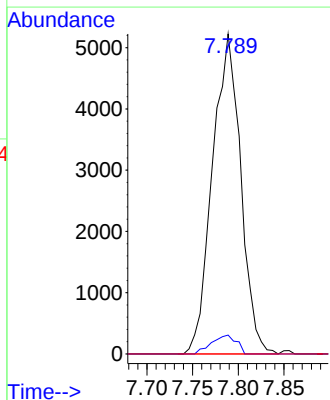
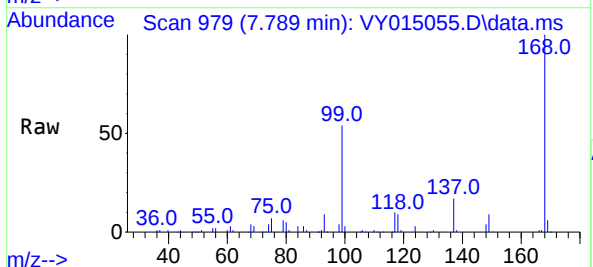
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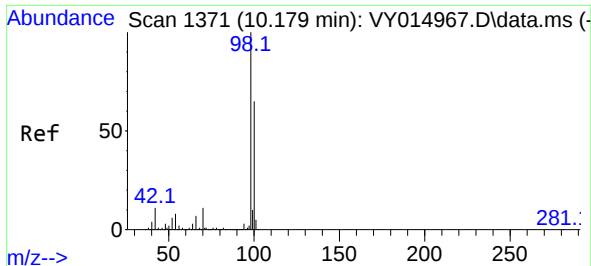
Tgt Ion: 75 Resp: 9012
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.413 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion: 117 Resp: 11245
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#

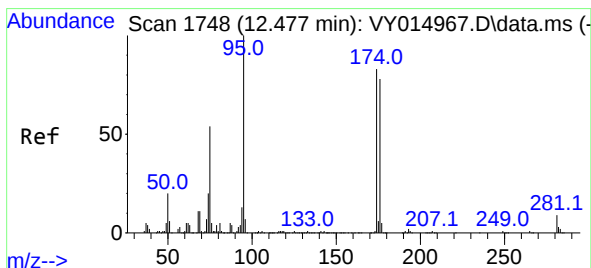
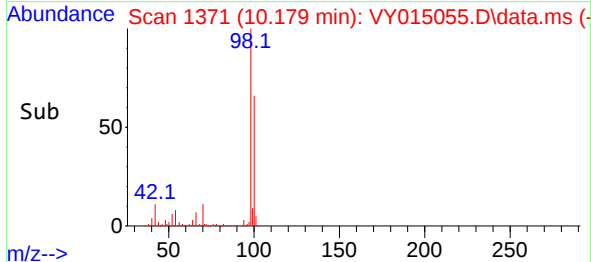
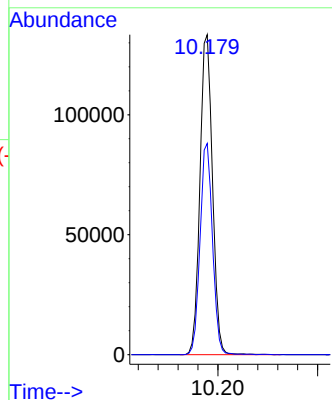
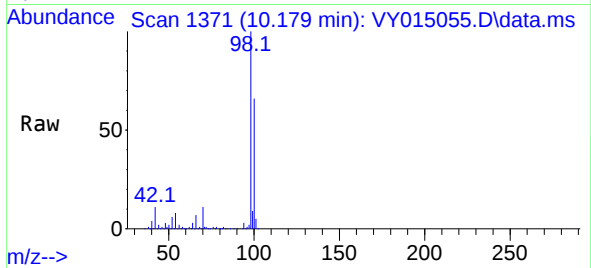




#50
Toluene-d8
Concen: 48.512 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

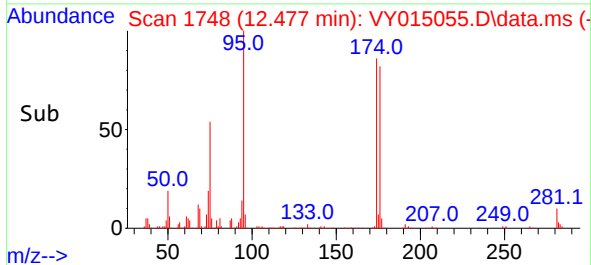
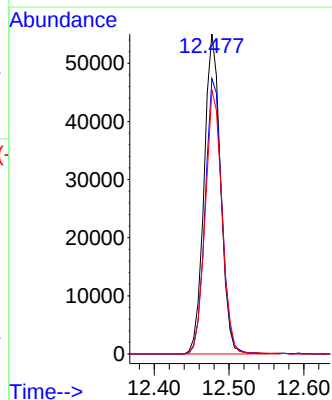
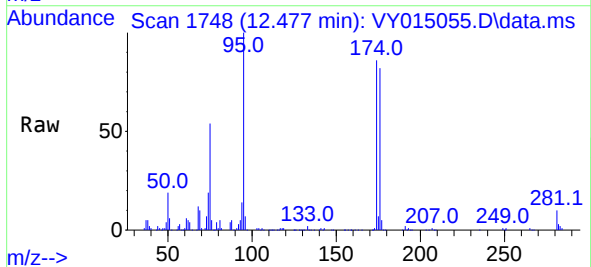
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

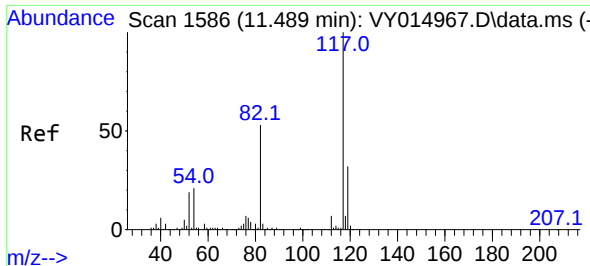
Tgt Ion: 98 Resp: 231975
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.689 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion: 95 Resp: 84211
Ion Ratio Lower Upper
95 100
174 87.3 0.0 178.2
176 83.7 0.0 173.8

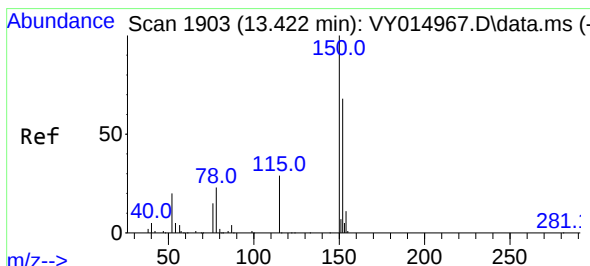
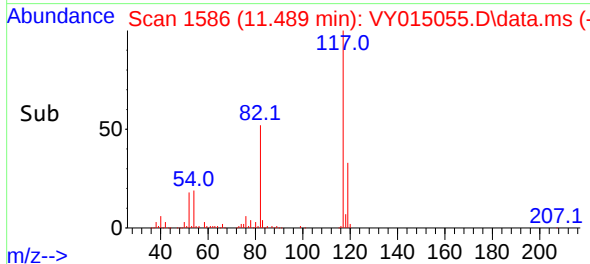
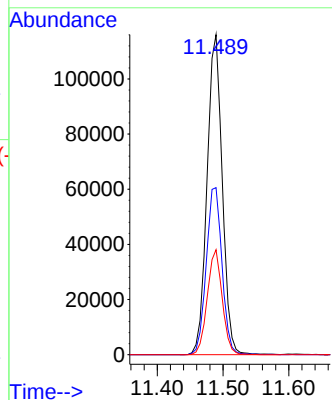
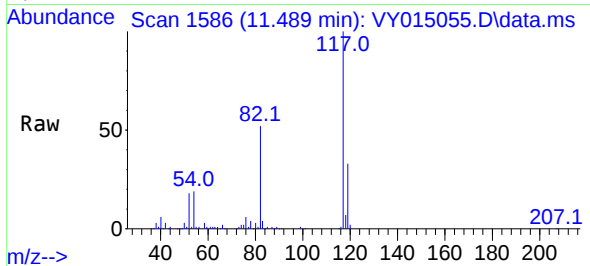




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

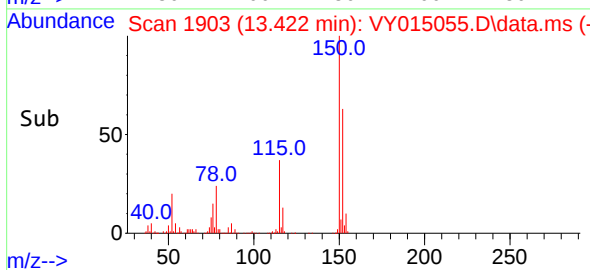
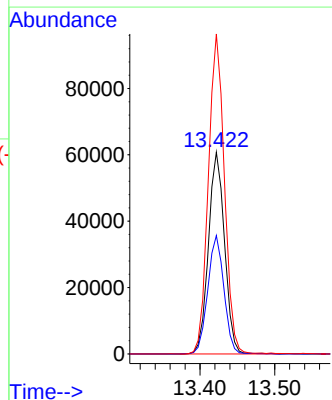
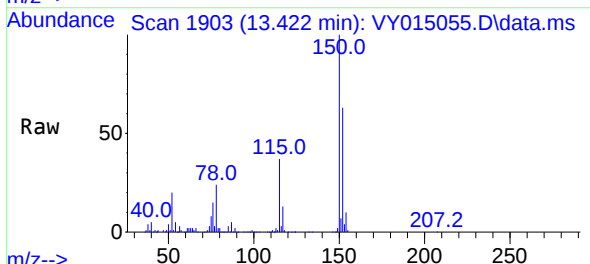
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

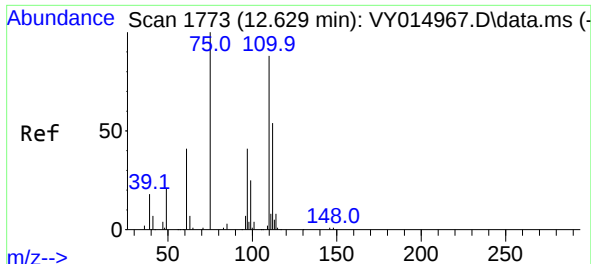
Tgt Ion:117 Resp: 186844
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion:152 Resp: 91105
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 157.7 0.0 348.8

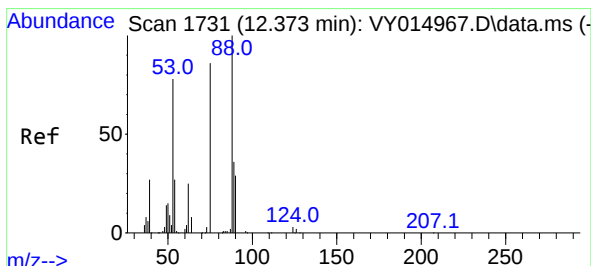
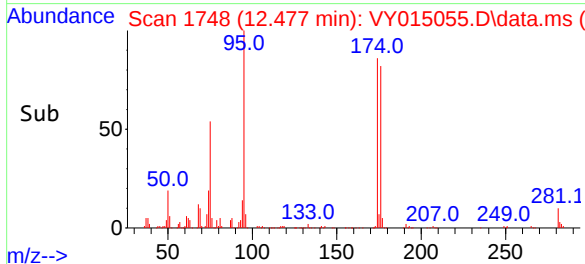
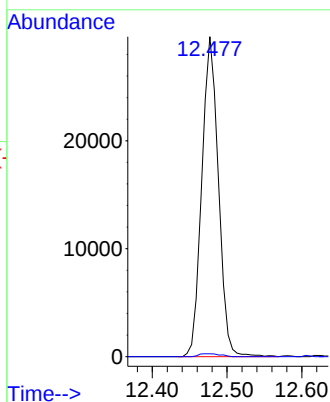
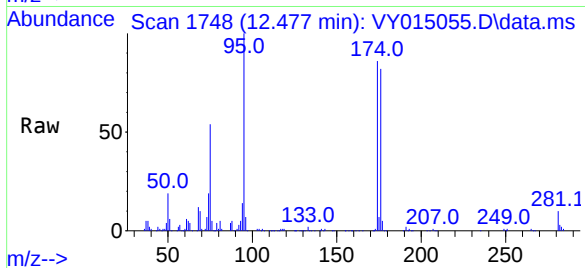




#76
1,2,3-Trichloropropane
Concen: 41.956 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

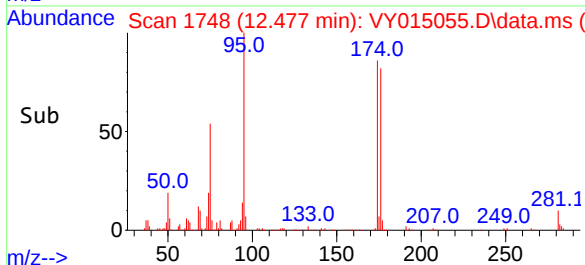
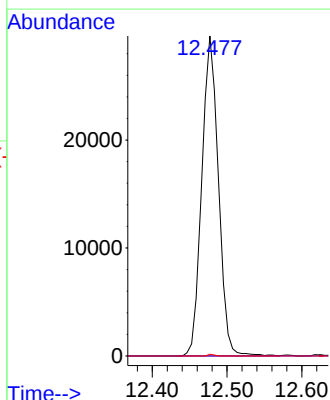
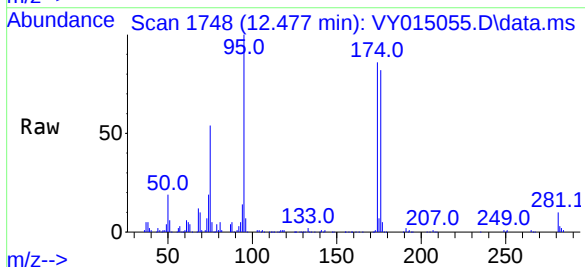
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

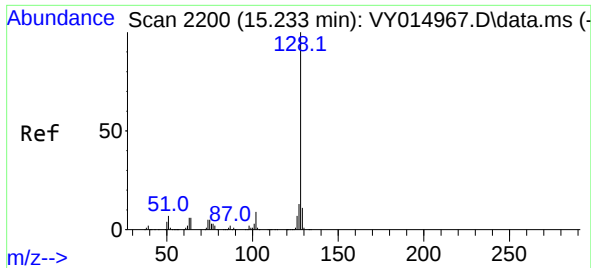
Tgt Ion: 75 Resp: 45801
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.429 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Tgt Ion: 75 Resp: 45801
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#





#95
Naphthalene
Concen: 1.626 ug/l
RT: 15.226 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY015055.D
Acq: 11 Aug 2023 13:33

Instrument :
MSVOA_Y
ClientSampleId :
B-PP23B

Tgt Ion:	128	Resp:	6569
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	12.0	8.6	13.0

