

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014980.D
 Acq On : 08 Aug 2023 13:14
 Operator : SY/MD
 Sample : 03917-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP04ABRE

Quant Time: Aug 08 15:52:37 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)

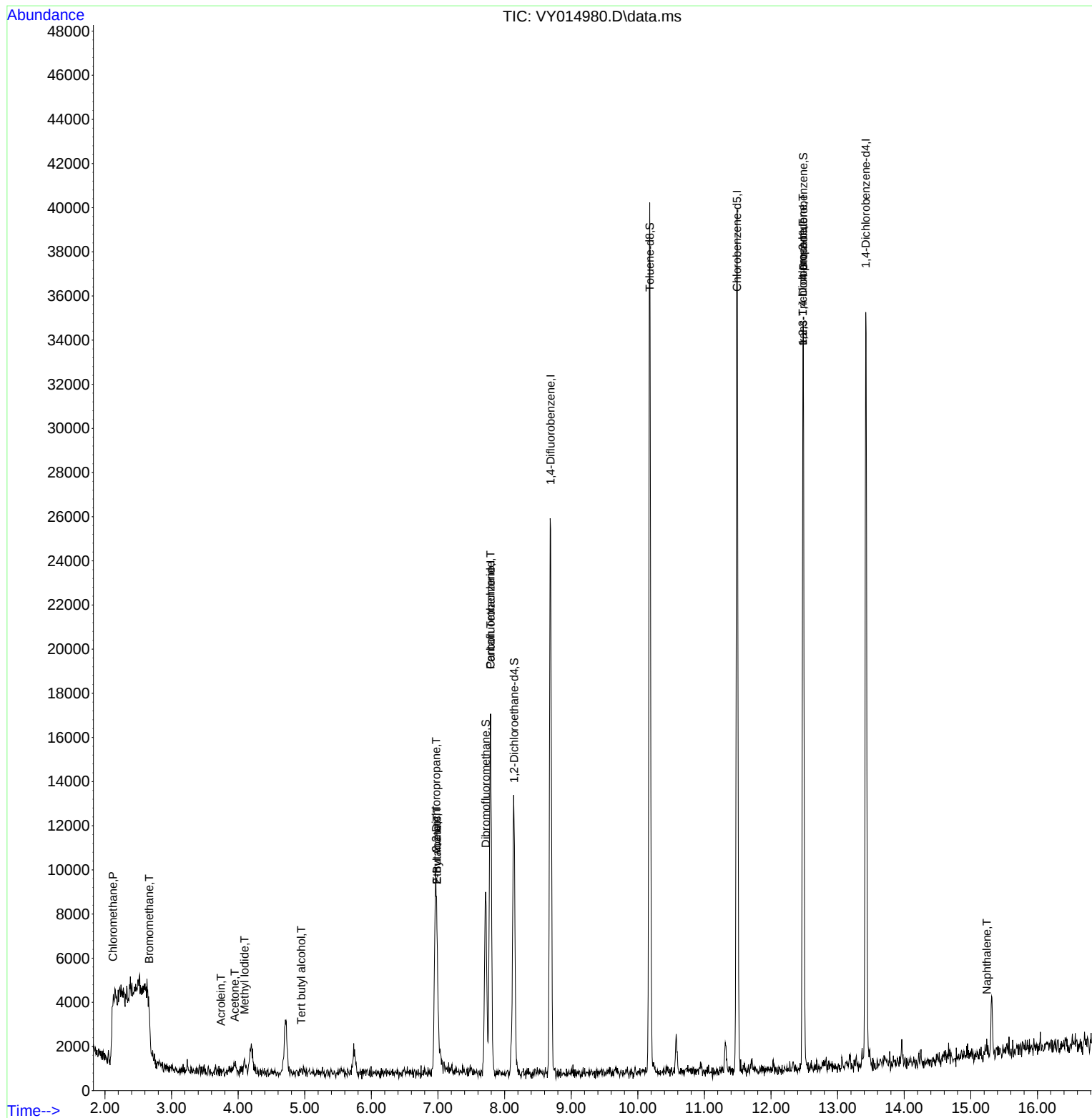
Internal Standards						
1) Pentafluorobenzene	7.789	168	12715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	22065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	22002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	9104	59.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.140%			
35) Dibromofluoromethane	7.716	113	6096	43.203	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.400%			
50) Toluene-d8	10.179	98	26897	50.082	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.160%			
62) 4-Bromofluorobenzene	12.483	95	9791	51.438	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.880%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	511	5.107	ug/l #	74
5) Bromomethane	2.662	94	619	3.912	ug/l #	63
10) Methyl Iodide	4.094	142	937	7.857	ug/l #	56
11) Tert butyl alcohol	4.948	59	222	5.969	ug/l #	89
13) Acrolein	3.741	56	28	2.213	ug/l #	14
16) Acetone	3.948	43	508	10.571	ug/l #	86
20) Methylene Chloride	4.710	84	1929	Below Cal	#	78
25) 2-Butanone	6.984	43	706	10.257	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	715	3.196	ug/l #	54
31) Cyclohexane	7.783	56	315	Below Cal	#	70
37) Ethyl Acetate	6.984	43	706	5.077	ug/l #	40
38) Carbon Tetrachloride	7.789	117	1281	6.505	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	5059	45.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5059	99.778	ug/l #	10
95) Naphthalene	15.239	128	552	1.335	ug/l #	69

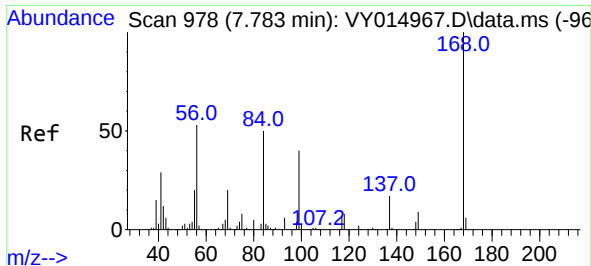
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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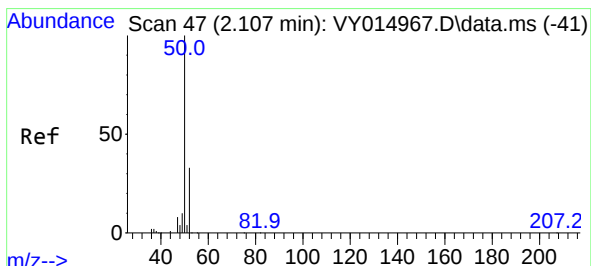
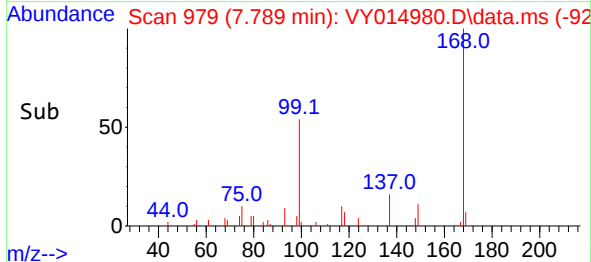
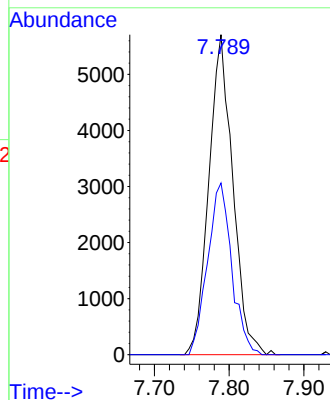
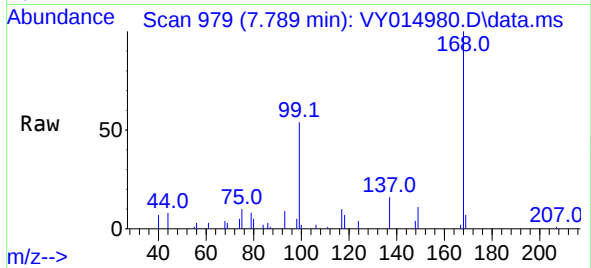




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

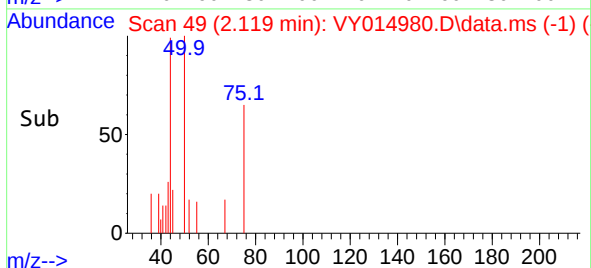
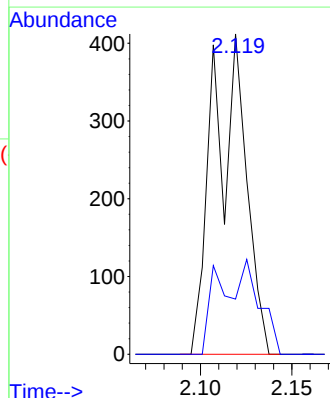
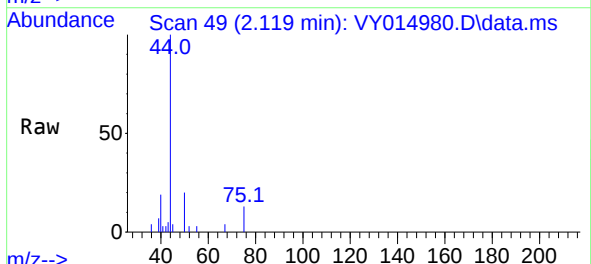
Instrument :
MSVOA_Y
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B-PP04ABRE

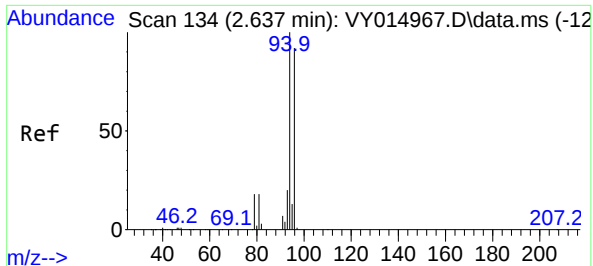
Tgt Ion:168 Resp: 12715
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#3
Chloromethane
Concen: 5.107 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion: 50 Resp: 511
Ion Ratio Lower Upper
50 100
52 17.2 25.4 38.2#

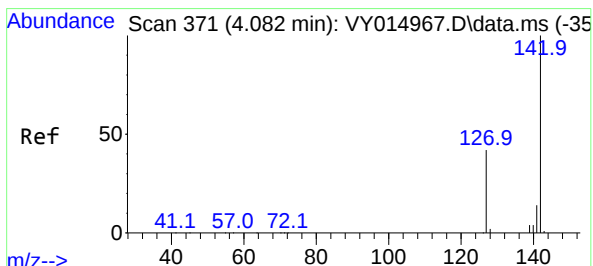
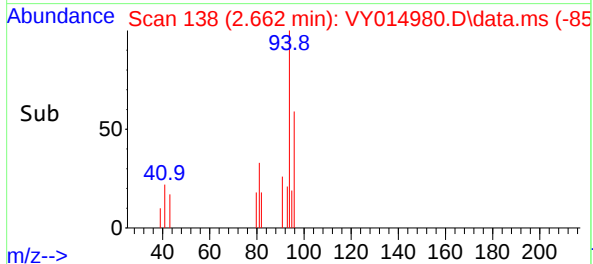
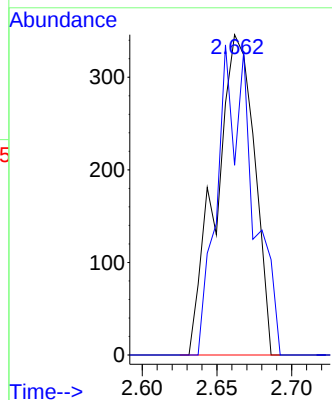
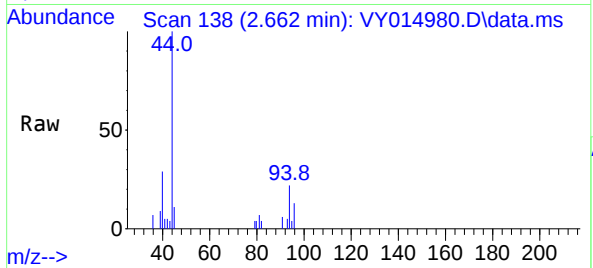




#5
Bromomethane
Concen: 3.912 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

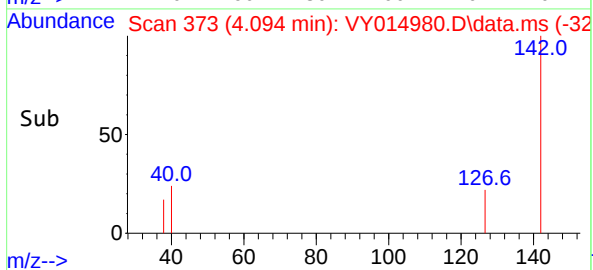
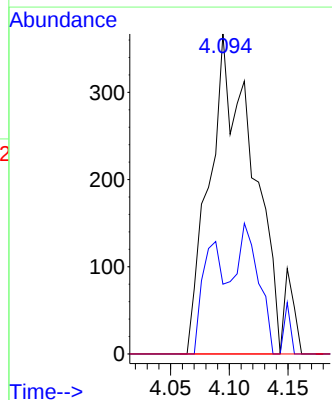
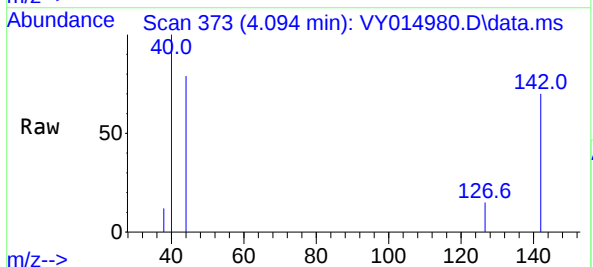
Instrument :
MSVOA_Y
ClientSampleId :
B-PP04ABRE

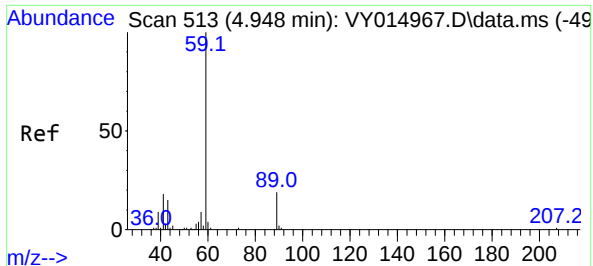
Tgt Ion: 94 Resp: 619
Ion Ratio Lower Upper
94 100
96 59.2 75.8 113.6#



#10
Methyl Iodide
Concen: 7.857 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion: 142 Resp: 937
Ion Ratio Lower Upper
142 100
127 16.1 37.6 56.4#
141 0.0 11.8 17.8#

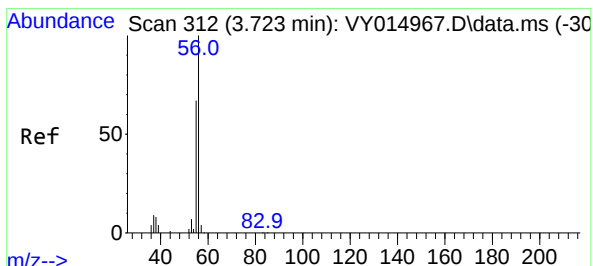
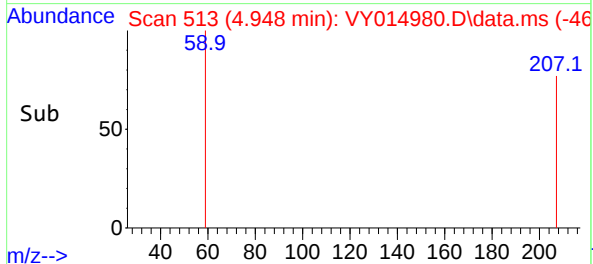
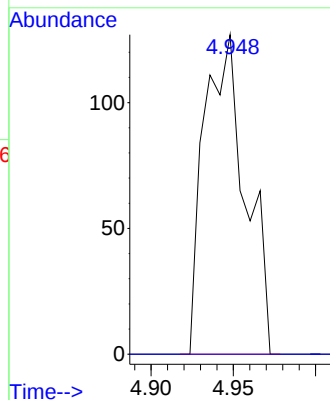
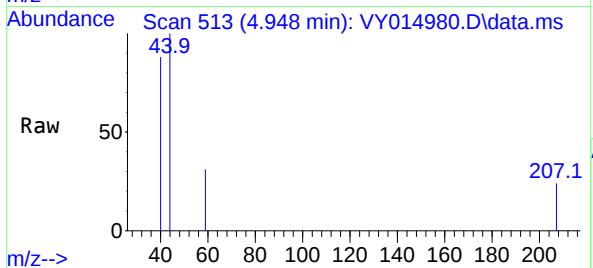




#11
Tert butyl alcohol
Concen: 5.969 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

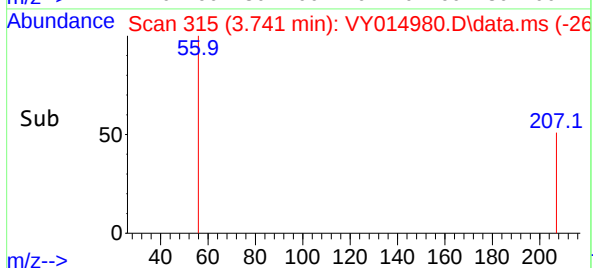
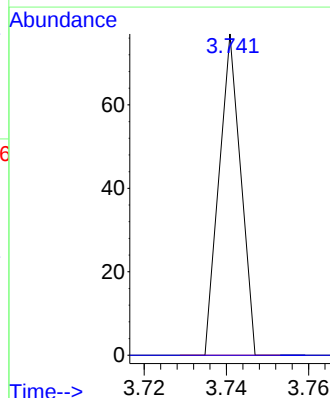
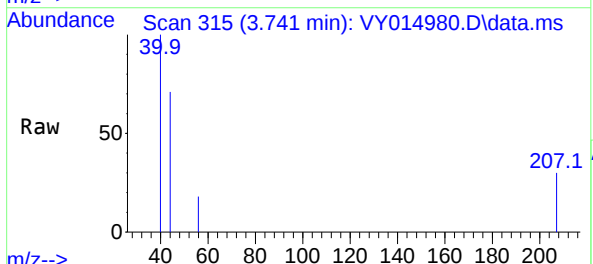
Instrument :
MSVOA_Y
ClientSampleId :
B-PP04ABRE

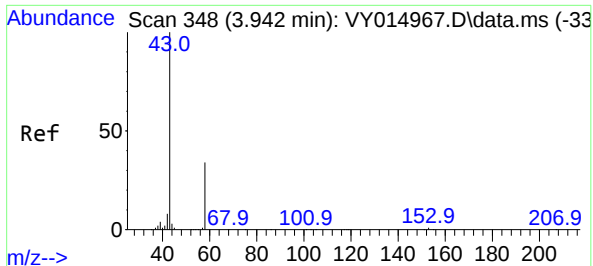
Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 2.213 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.018 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

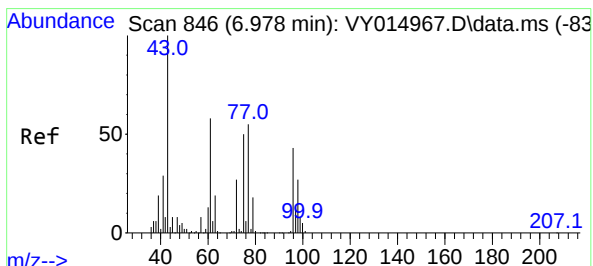
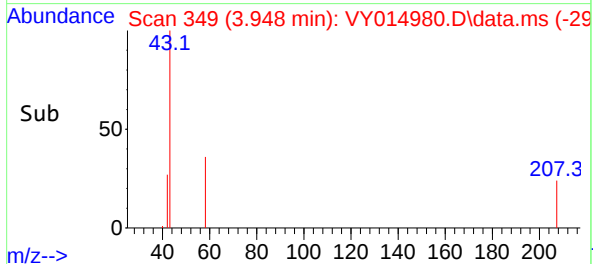
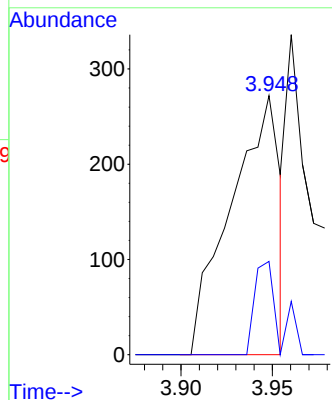
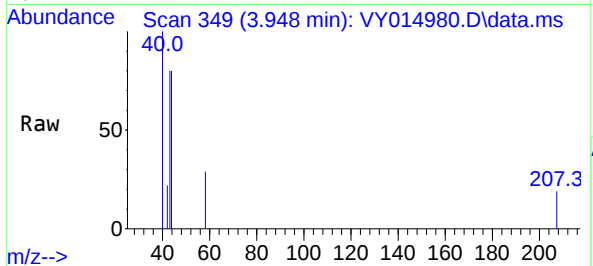




#16
Acetone
Concen: 10.571 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

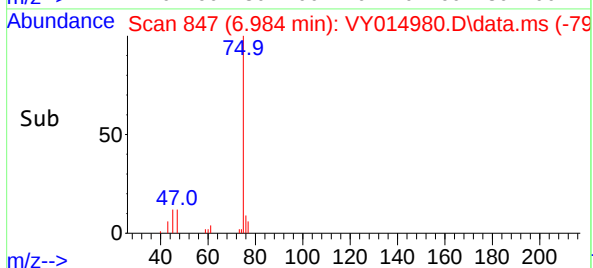
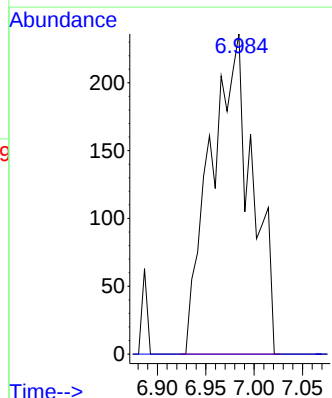
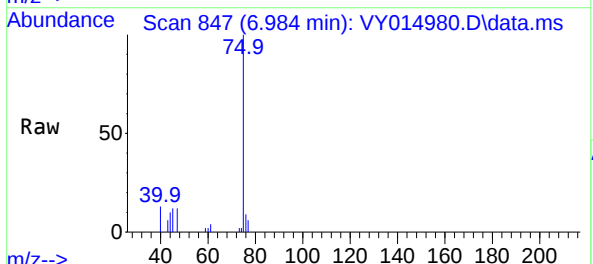
Instrument :
MSVOA_Y
ClientSampleId :
B-PP04ABRE

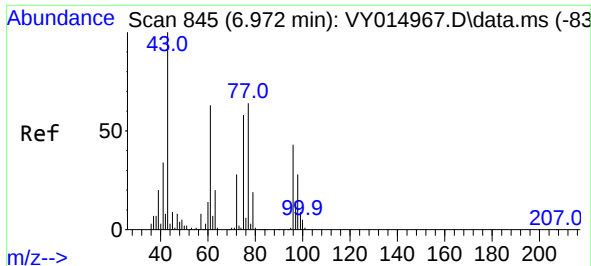
Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
58 36.0 22.7 34.1#



#25
2-Butanone
Concen: 10.257 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

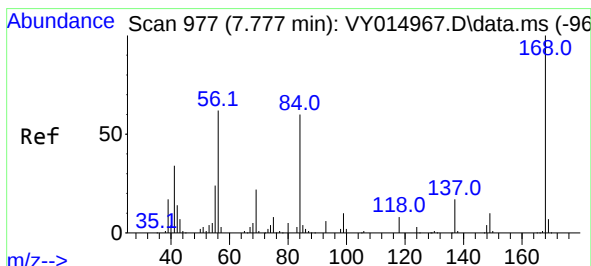
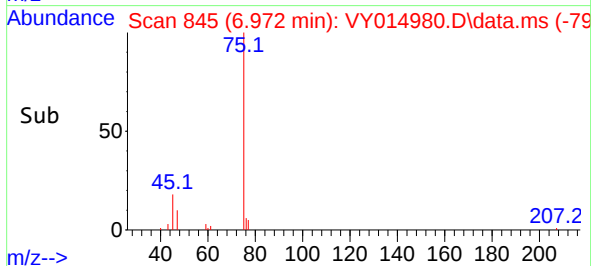
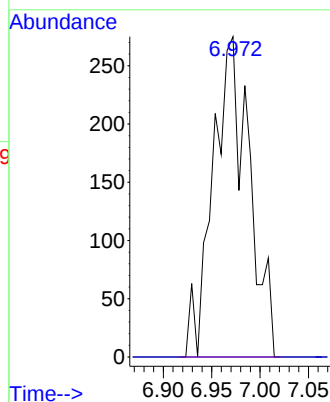
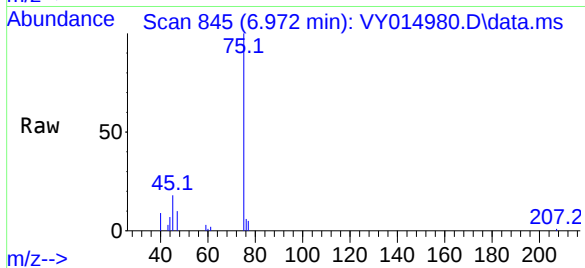




#26
2,2-Dichloropropane
Concen: 3.196 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

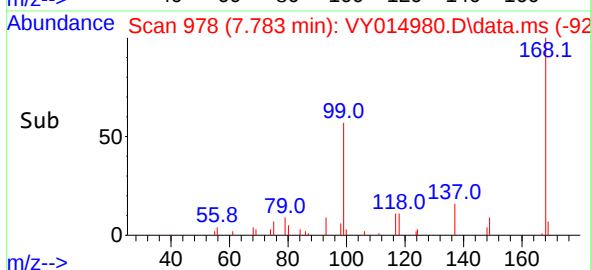
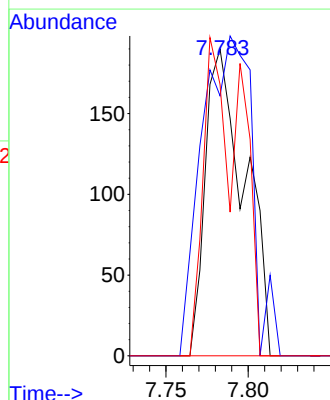
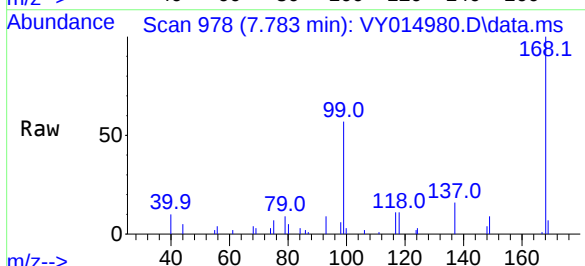
Instrument :
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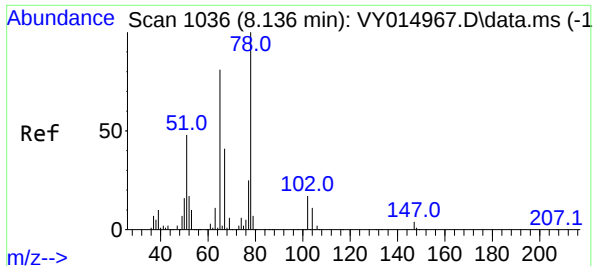
Tgt Ion: 77 Resp: 715
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
69 84.7 27.8 41.6#
84 88.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 59.075 ug/l

RT: 8.143 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY014980.D

Acq: 08 Aug 2023 13:14

Instrument :

MSVOA_Y

ClientSampleId :

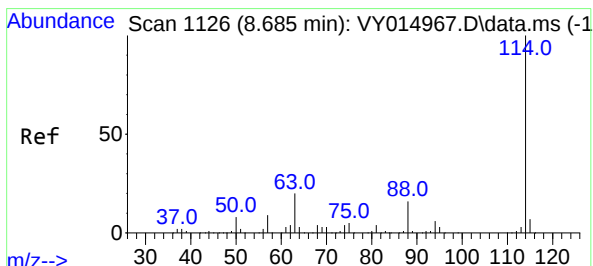
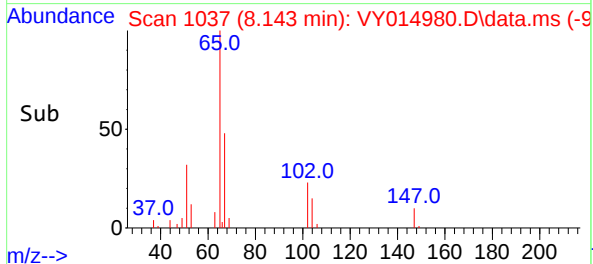
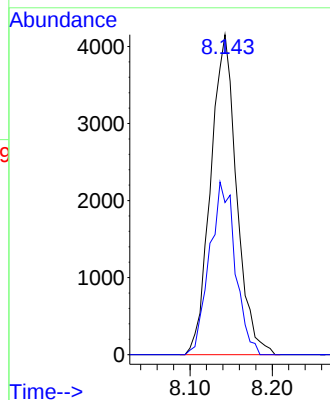
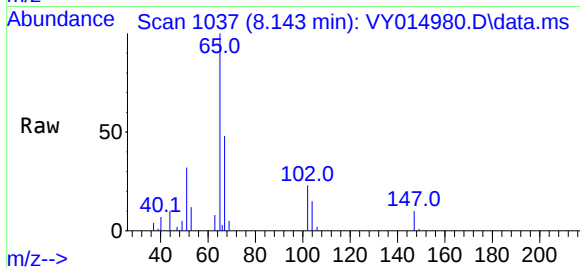
B-PP04ABRE

Tgt Ion: 65 Resp: 9104

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014980.D

Acq: 08 Aug 2023 13:14

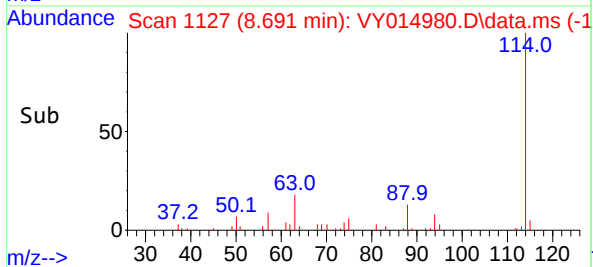
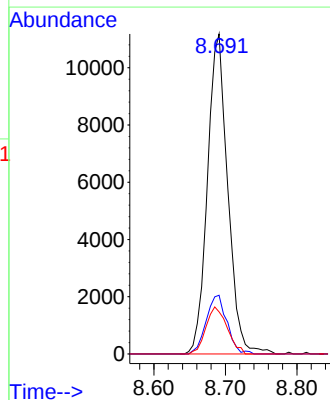
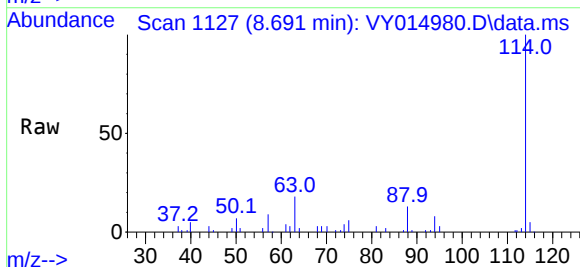
Tgt Ion: 114 Resp: 22065

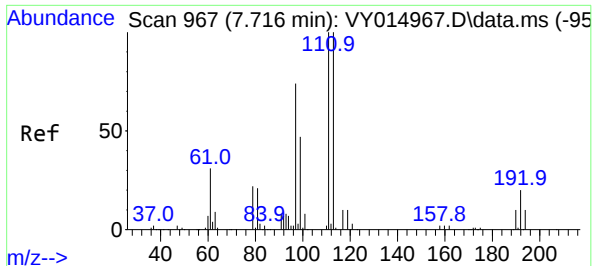
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 13.2 0.0 30.6

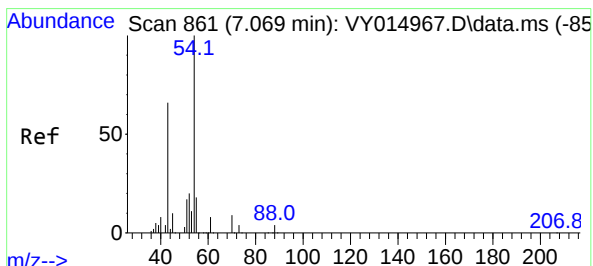
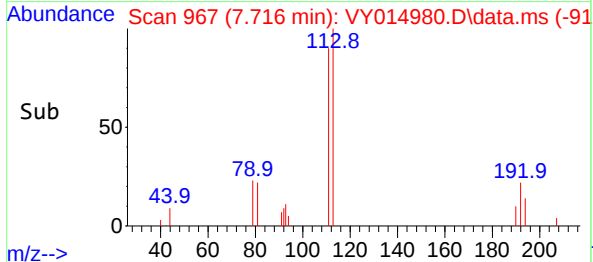
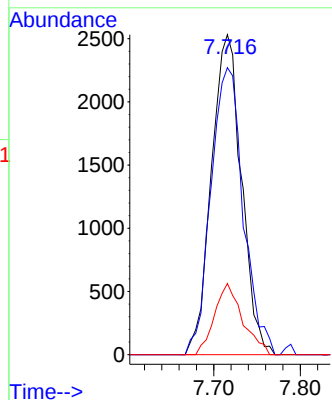
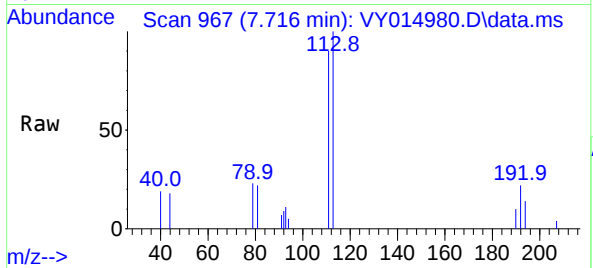




#35
Dibromofluoromethane
Concen: 43.203 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

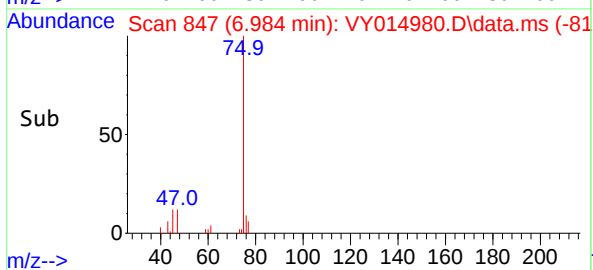
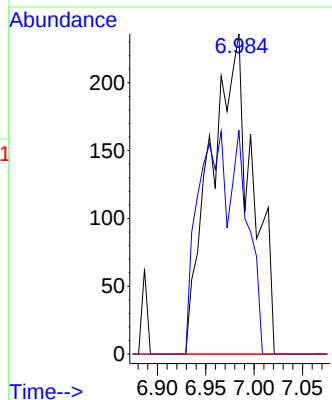
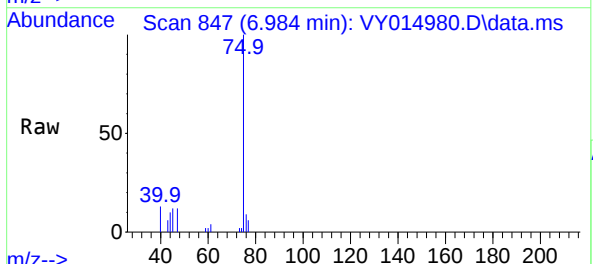
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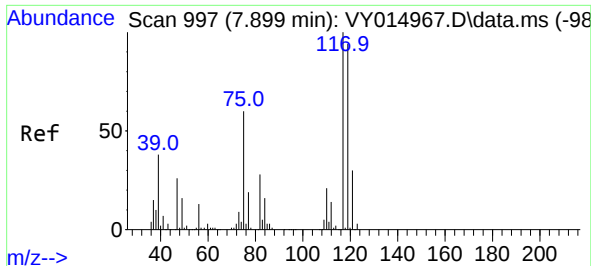
Tgt Ion:	113	Resp:	6096
Ion	Ratio	Lower	Upper
113	100		
111	96.5	81.3	121.9
192	20.8	16.9	25.3



#37
Ethyl Acetate
Concen: 5.077 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion:	43	Resp:	706
Ion	Ratio	Lower	Upper
43	100		
61	46.3	10.1	15.1#
70	0.0	7.1	10.7#

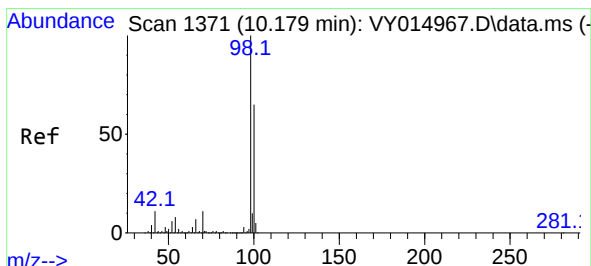
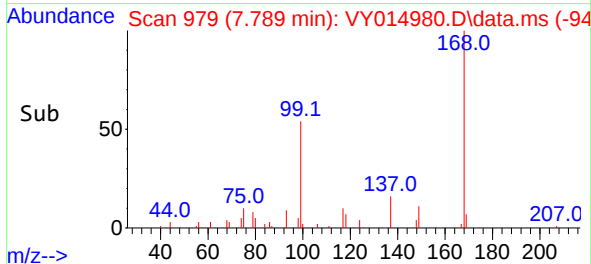
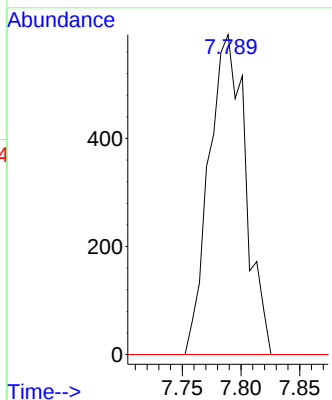
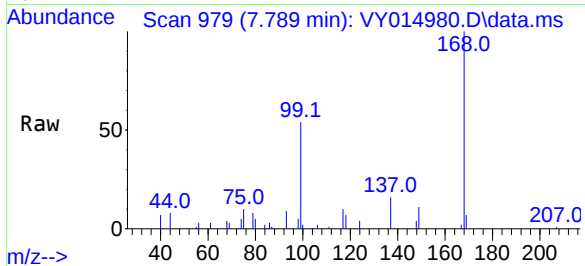




#38
Carbon Tetrachloride
Concen: 6.505 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

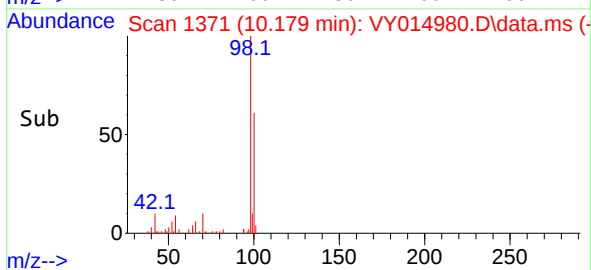
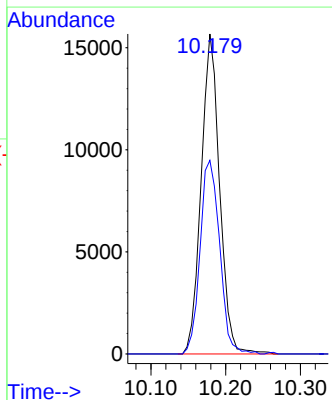
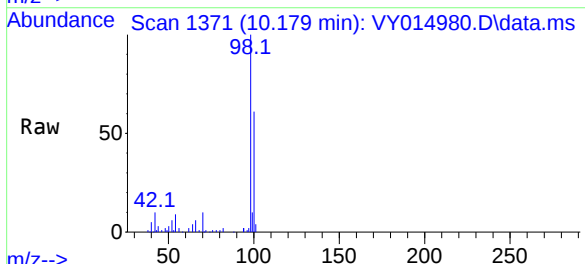
Instrument :
MSVOA_Y
ClientSampleId :
B-PP04ABRE

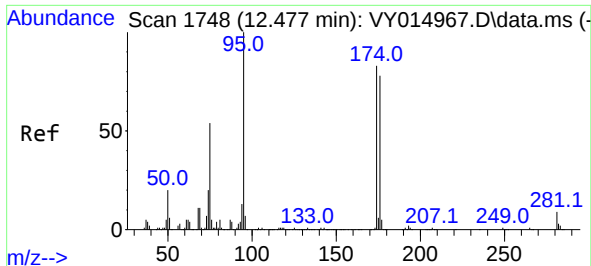
Tgt Ion:117 Resp: 1281
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.082 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion: 98 Resp: 26897
Ion Ratio Lower Upper
98 100
100 64.1 50.1 75.1

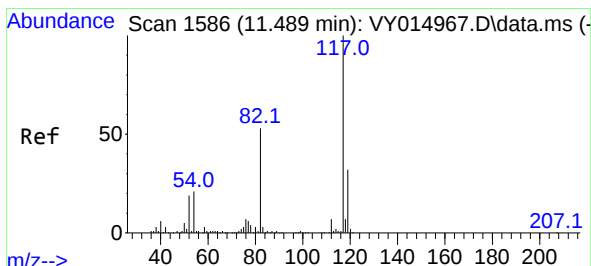
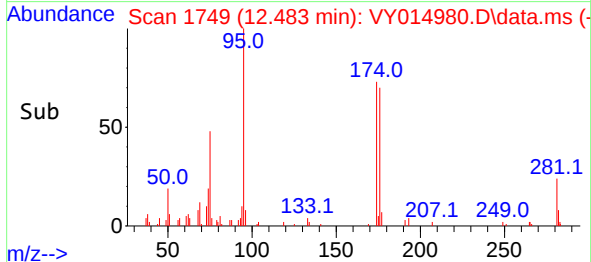
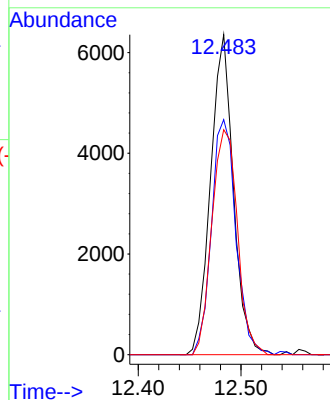
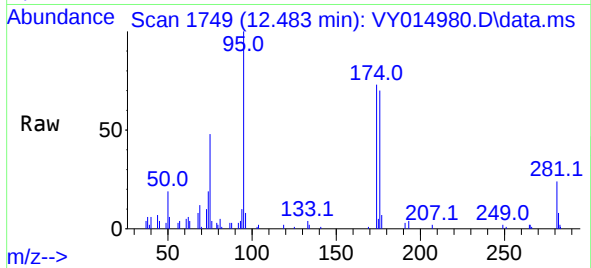




#62
4-Bromofluorobenzene
Concen: 51.438 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

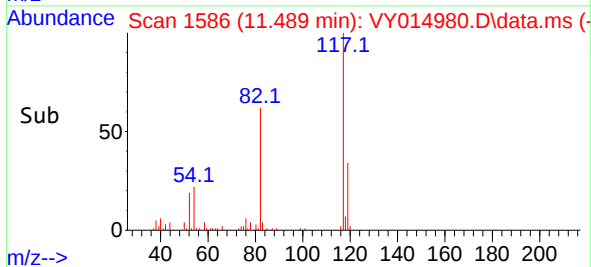
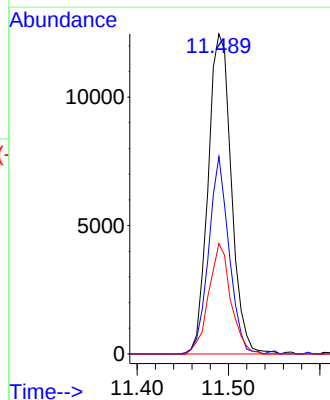
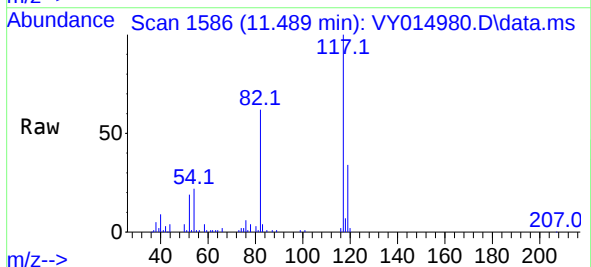
Instrument :
MSVOA_Y
ClientSampleId :
B-PP04ABRE

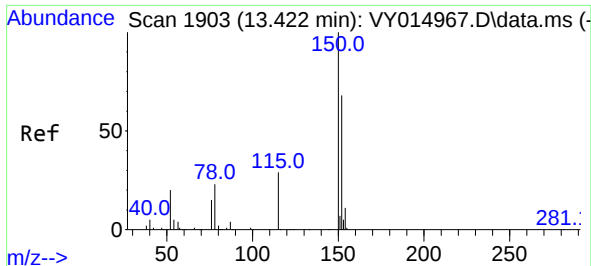
Tgt Ion: 95 Resp: 9791
Ion Ratio Lower Upper
95 100
174 78.5 0.0 178.2
176 78.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion: 117 Resp: 22002
Ion Ratio Lower Upper
117 100
82 61.6 43.4 65.0
119 34.5 26.3 39.5

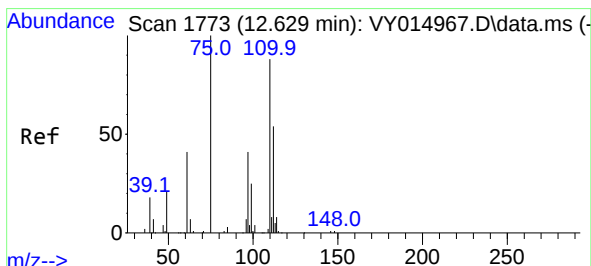
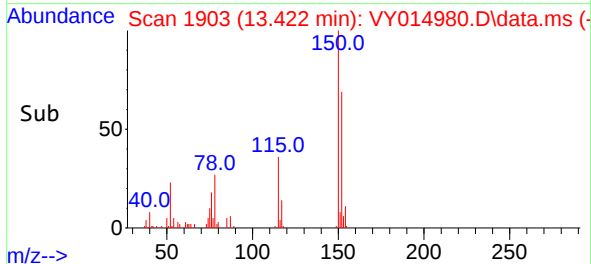
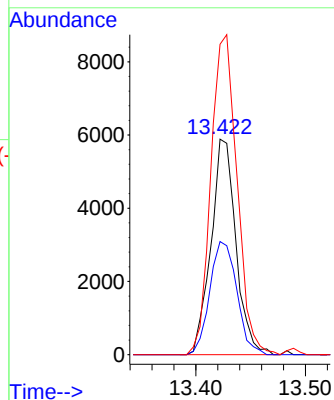
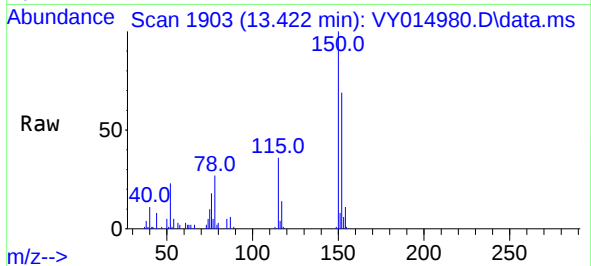




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014980.D
 Acq: 08 Aug 2023 13:14

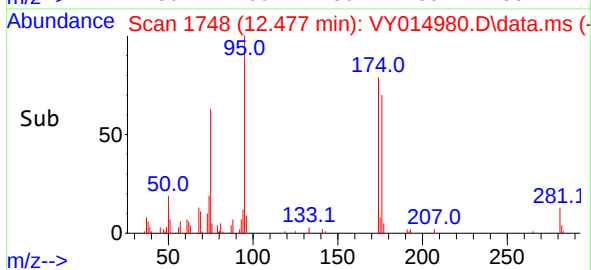
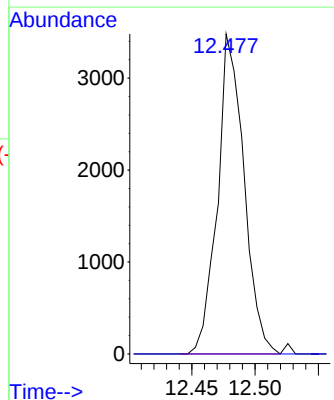
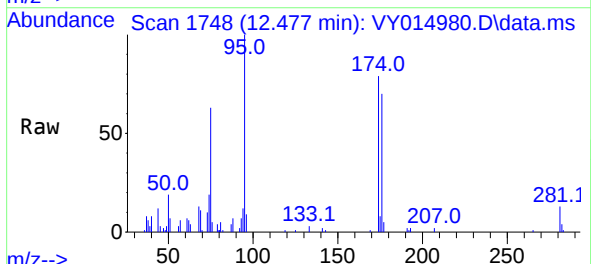
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP04ABRE

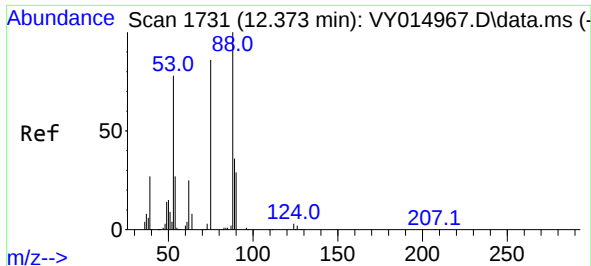
Tgt Ion:152 Resp: 9322
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.8 86.5
 150 155.2 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 45.291 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY014980.D
 Acq: 08 Aug 2023 13:14

Tgt Ion: 75 Resp: 5059
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

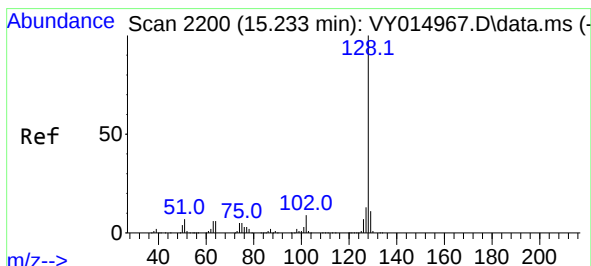
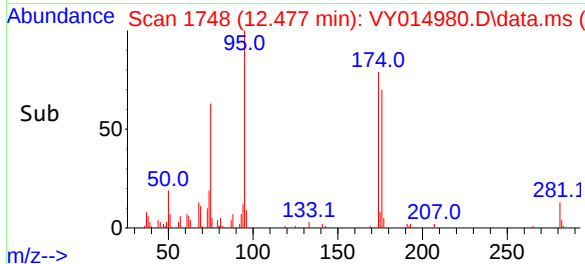
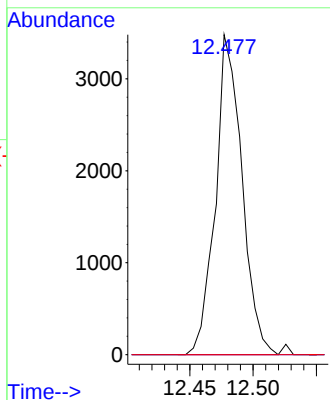
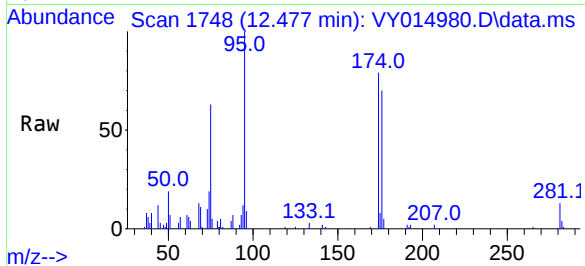




#81
trans-1,4-Dichloro-2-butene
Concen: 99.778 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Instrument :
MSVOA_Y
ClientSampleId :
B-PP04ABRE

Tgt Ion: 75 Resp: 5059
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.335 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY014980.D
Acq: 08 Aug 2023 13:14

Tgt Ion:128 Resp: 552
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

