

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015034.D
 Acq On : 10 Aug 2023 17:50
 Operator : SY/MD
 Sample : 03954-13
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:57:33 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)

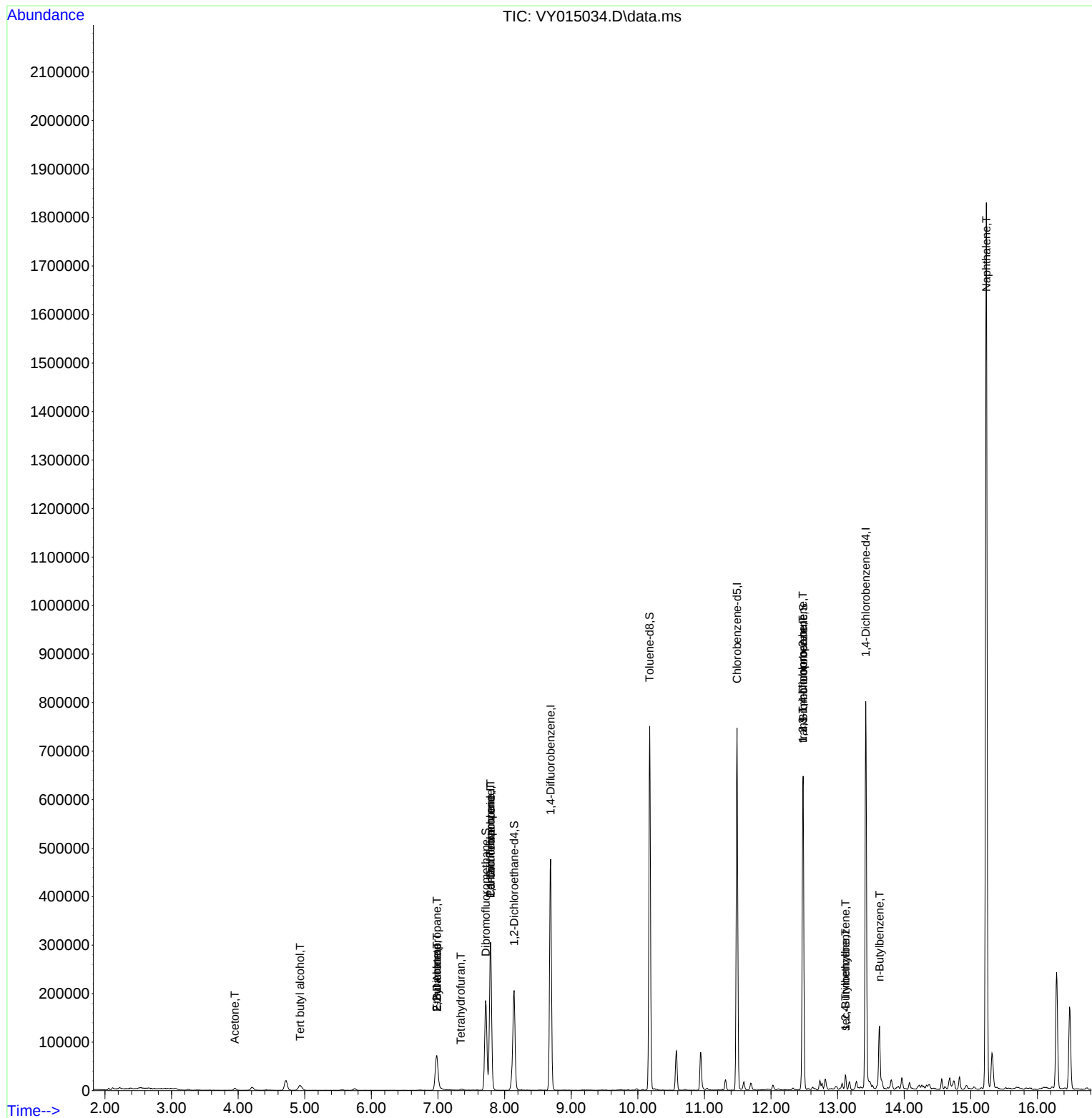
Internal Standards						
1) Pentafluorobenzene	7.789	168	241769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	394293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	204077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	151812	51.807	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.620%
35) Dibromofluoromethane	7.716	113	129196	49.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.460%
50) Toluene-d8	10.179	98	481576	48.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.483	95	188620	53.274	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	605	Below Cal	#	60
11) Tert butyl alcohol	4.930	59	11101	15.697	ug/l #	92
16) Acetone	3.948	43	6915	7.568	ug/l	96
20) Methylene Chloride	4.716	84	14929	Below Cal		96
25) 2-Butanone	6.984	43	7355	5.620	ug/l	98
26) 2,2-Dichloropropane	6.984	77	5887	1.384	ug/l #	54
29) Tetrahydrofuran	7.344	42	1635	2.130	ug/l #	89
31) Cyclohexane	7.789	56	4408	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	18045	5.538	ug/l #	49
37) Ethyl Acetate	6.984	43	7355	2.844	ug/l #	43
38) Carbon Tetrachloride	7.789	117	23845	6.509	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	101949	41.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	101949	91.847	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	16303	1.439	ug/l	97
85) sec-Butylbenzene	13.117	105	16303	1.074	ug/l #	56
89) n-Butylbenzene	13.629	91	13657	1.157	ug/l #	44
95) Naphthalene	15.233	128	1468025	162.196	ug/l	99

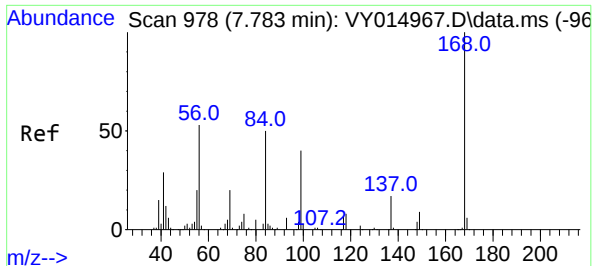
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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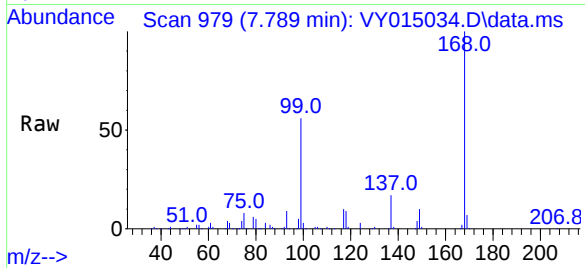
Quant Time: Aug 11 01:57:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration



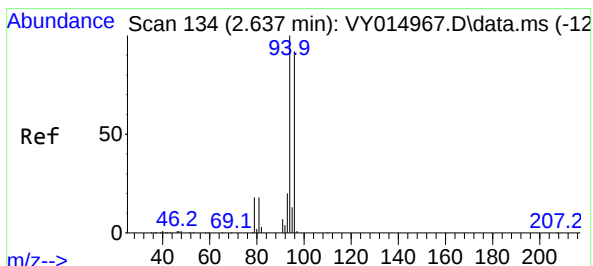
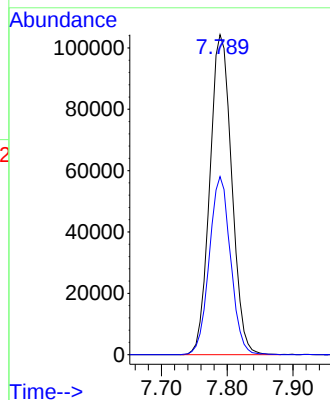
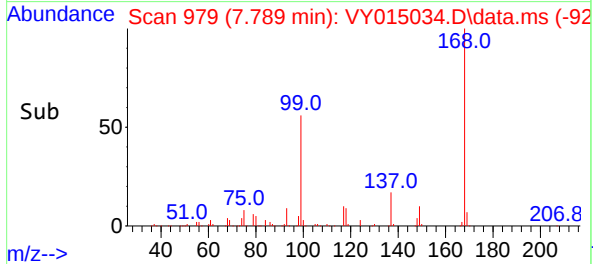


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

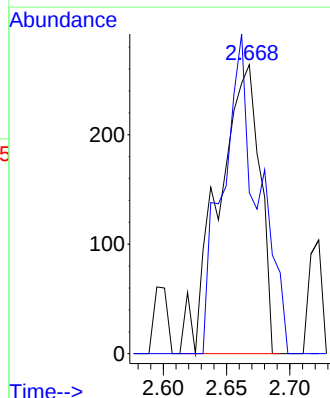
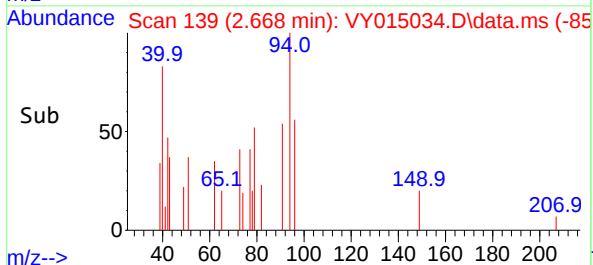
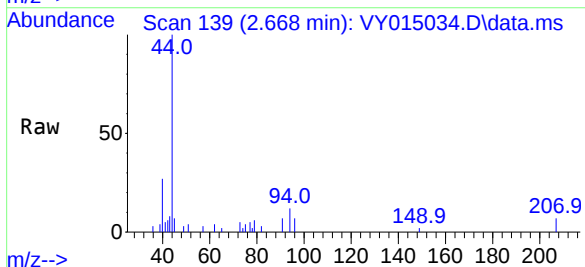


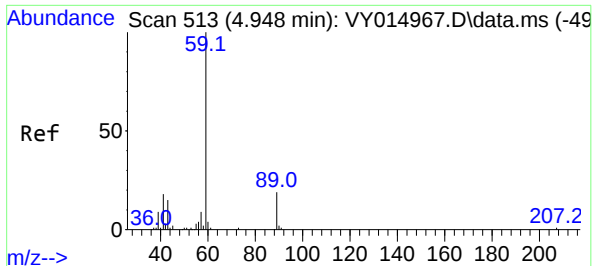
Tgt Ion:168 Resp: 241769
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

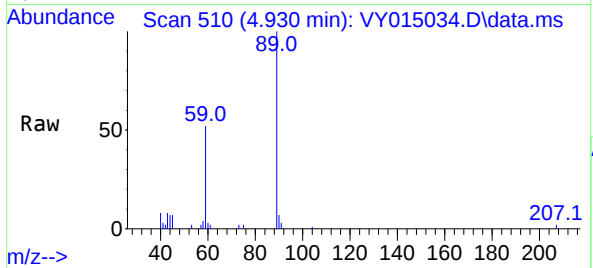
Tgt Ion: 94 Resp: 605
Ion Ratio Lower Upper
94 100
96 55.7 75.8 113.6#



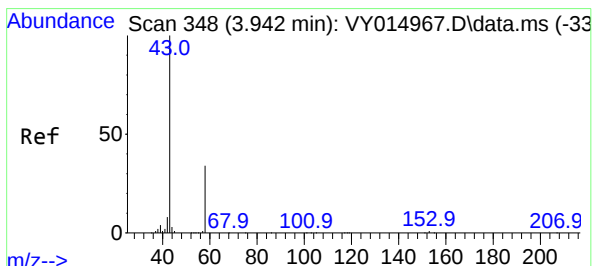
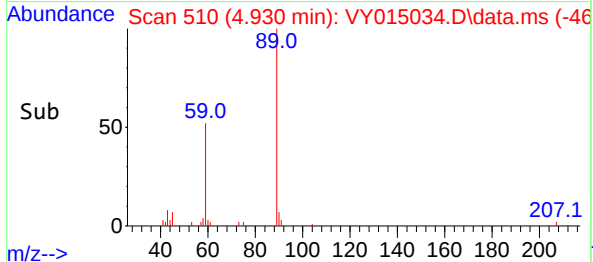
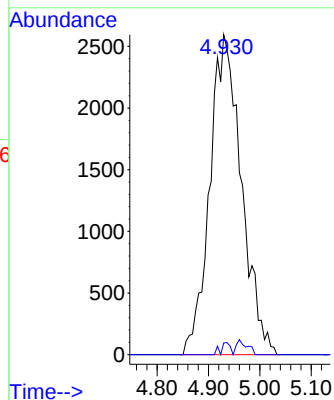


#11
Tert butyl alcohol
Concen: 15.697 ug/l
RT: 4.930 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

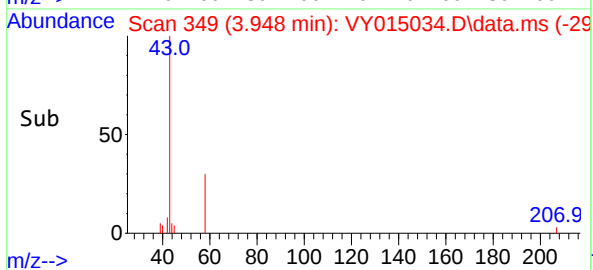
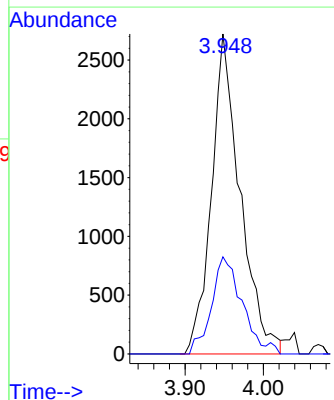
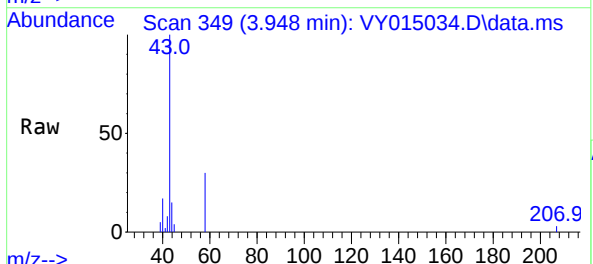


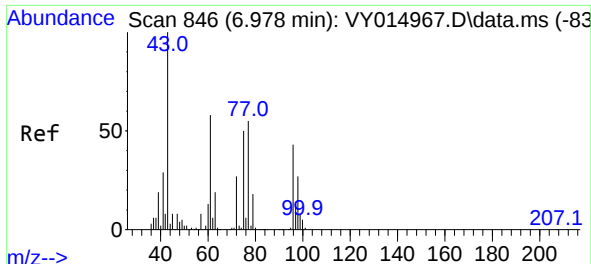
Tgt Ion: 59 Resp: 11101
Ion Ratio Lower Upper
59 100
57 1.1 3.0 4.4#



#16
Acetone
Concen: 7.568 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Tgt Ion: 43 Resp: 6915
Ion Ratio Lower Upper
43 100
58 30.3 22.7 34.1

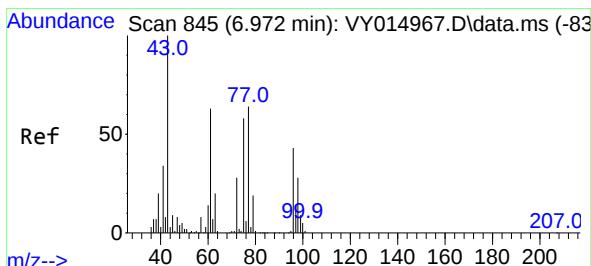
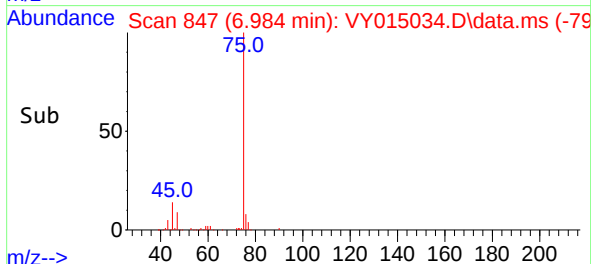
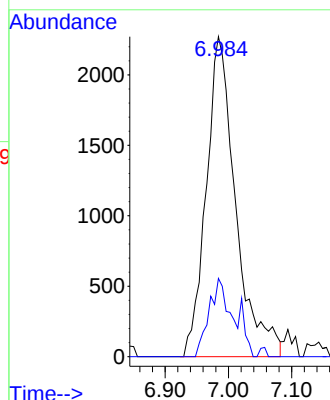
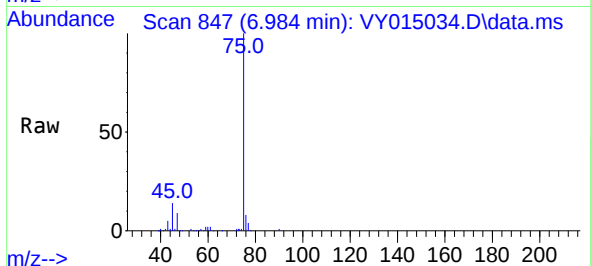




#25
2-Butanone
Concen: 5.620 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

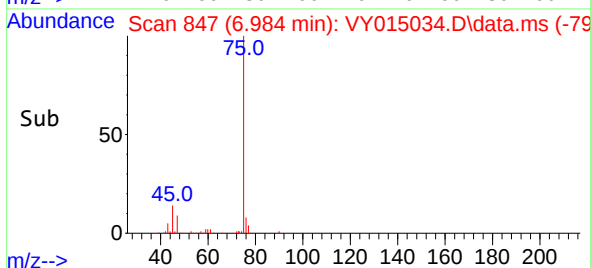
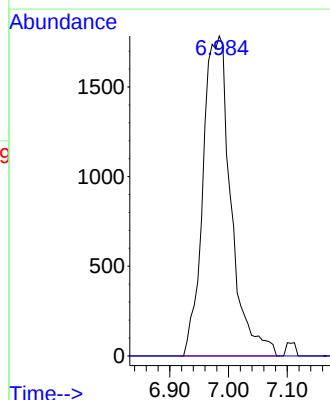
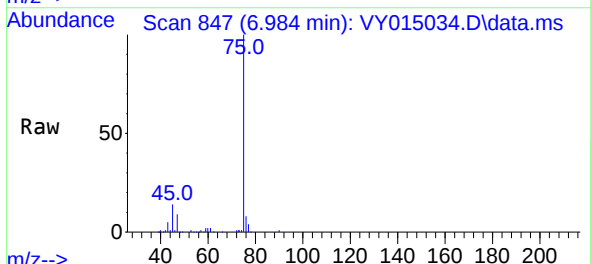
Instrument :
MSVOA_Y
ClientSampleId :

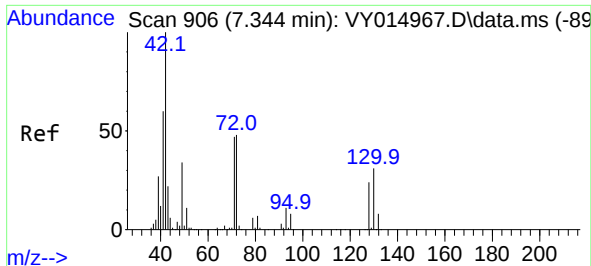
Tgt Ion: 43 Resp: 7355
Ion Ratio Lower Upper
43 100
72 24.4 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.384 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

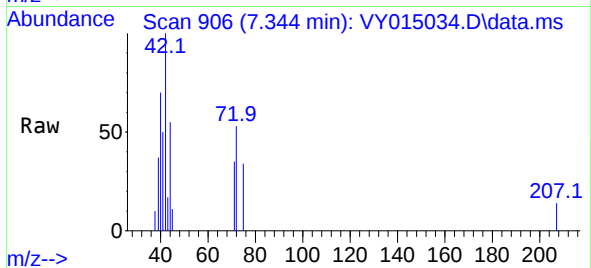
Tgt Ion: 77 Resp: 5887
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



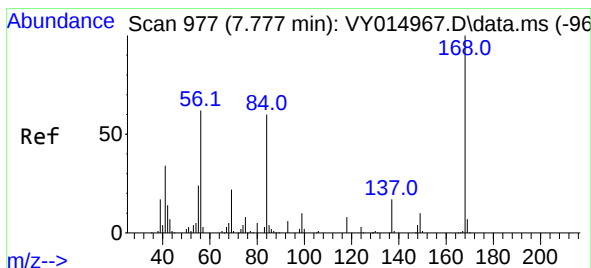
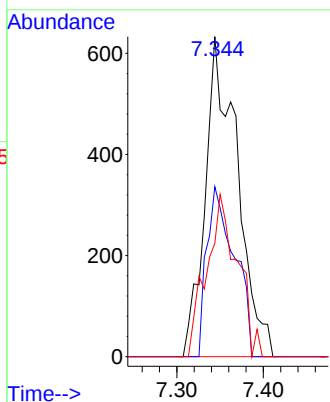
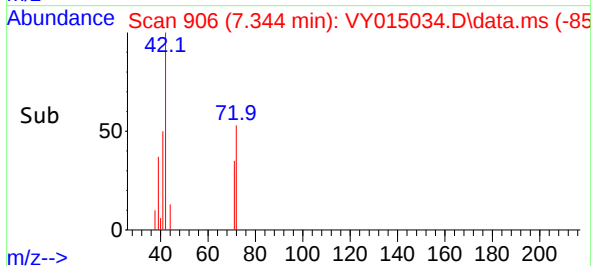


#29
Tetrahydrofuran
Concen: 2.130 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

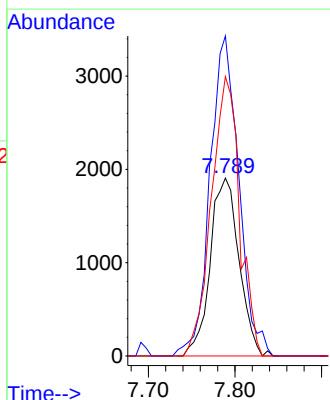
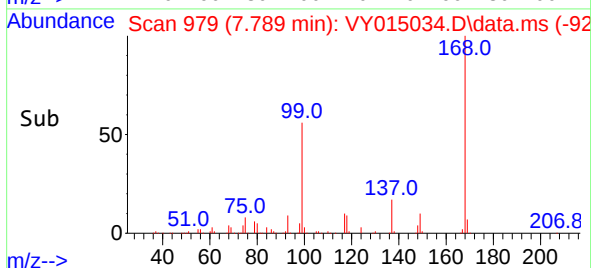
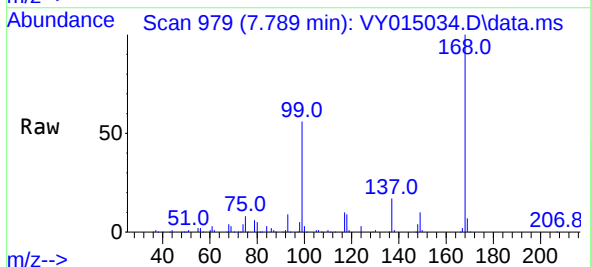


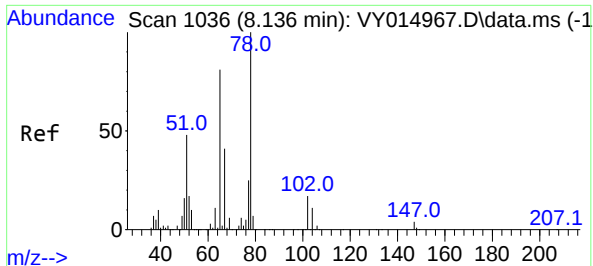
Tgt Ion: 42 Resp: 1635
Ion Ratio Lower Upper
42 100
72 45.5 32.8 49.2
71 48.4 31.0 46.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Tgt Ion: 56 Resp: 4408
Ion Ratio Lower Upper
56 100
69 179.9 27.8 41.6#
84 157.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.807 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015034.D

Acq: 10 Aug 2023 17:50

Instrument :

MSVOA_Y

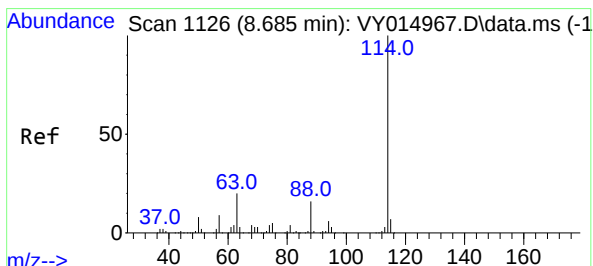
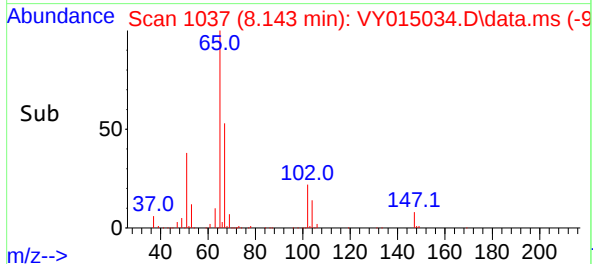
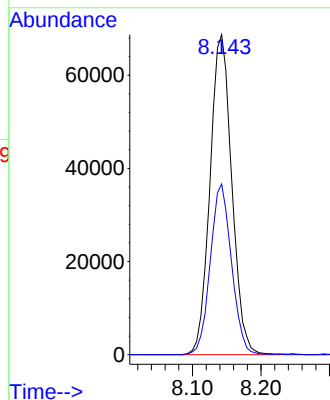
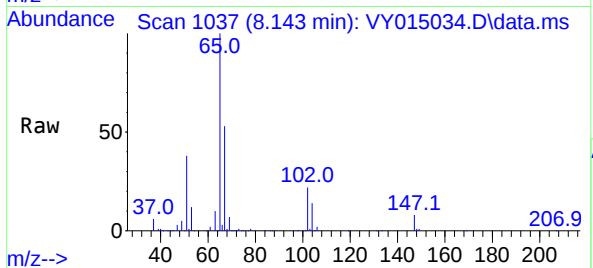
ClientSampleId :

Tgt Ion: 65 Resp: 151812

Ion Ratio Lower Upper

65 100

67 51.9 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: VY015034.D

Acq: 10 Aug 2023 17:50

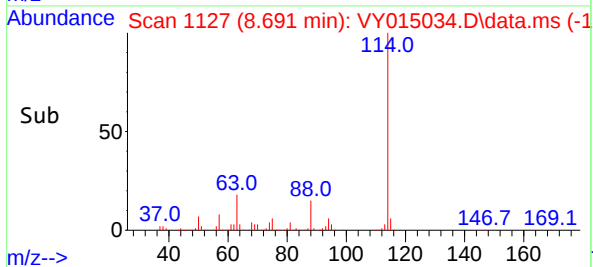
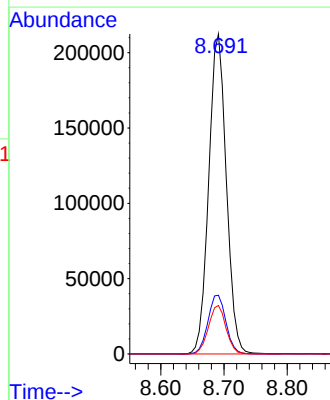
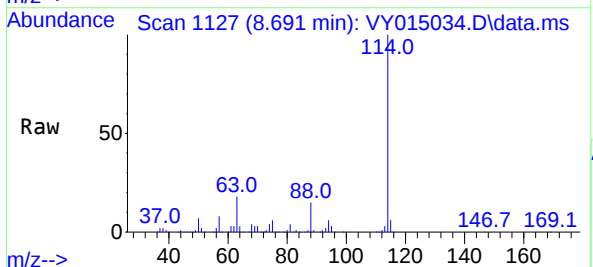
Tgt Ion: 114 Resp: 410423

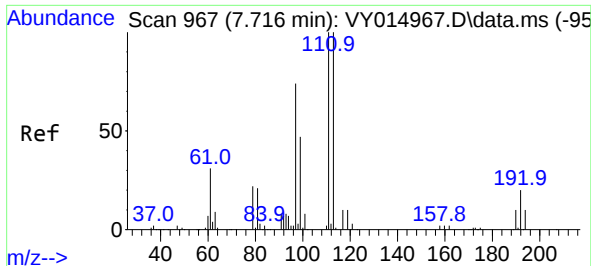
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

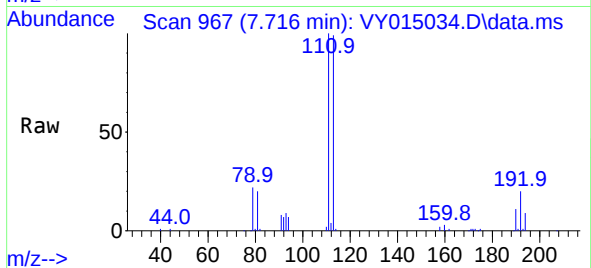
88 15.1 0.0 30.6



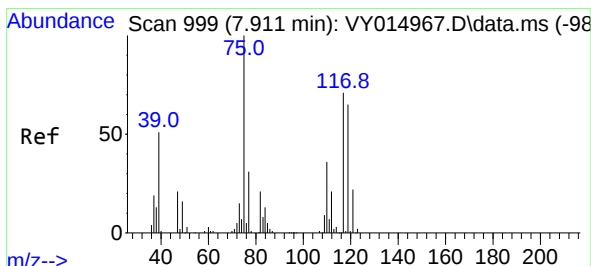
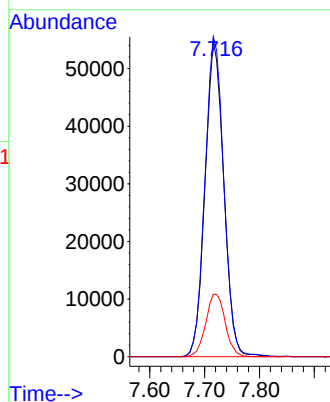
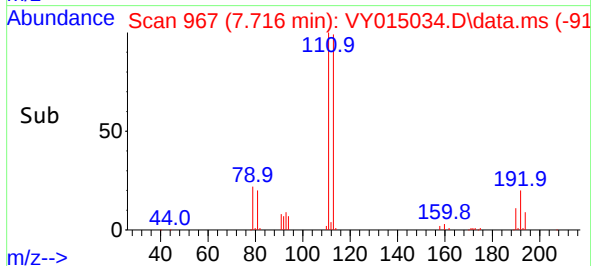


#35
Dibromofluoromethane
Concen: 49.226 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

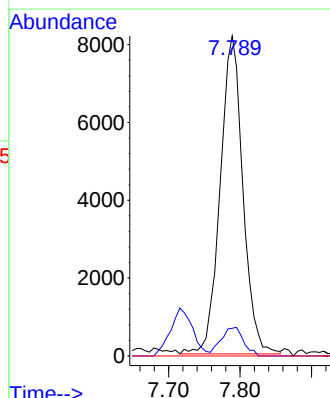
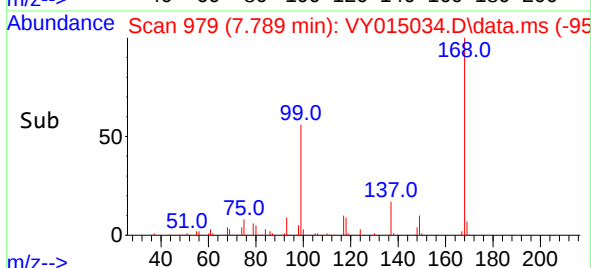
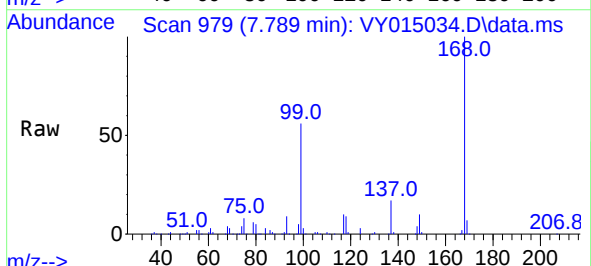


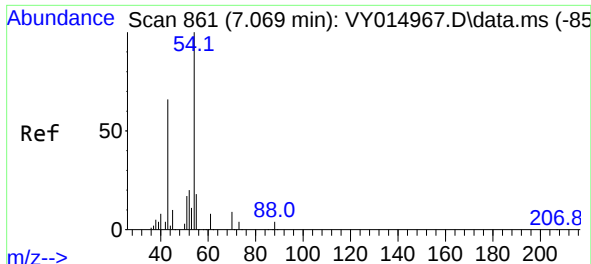
Tgt Ion:113 Resp: 129196
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.538 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Tgt Ion: 75 Resp: 18045
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.844 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

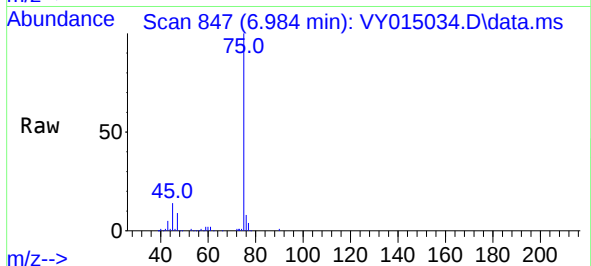
Lab File: VY015034.D

Acq: 10 Aug 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :



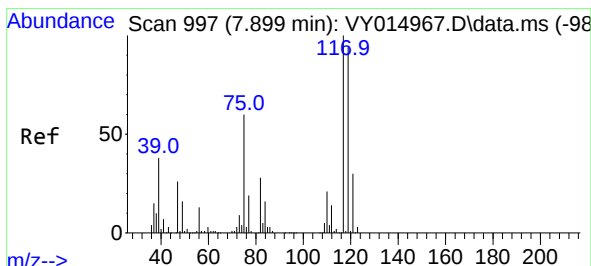
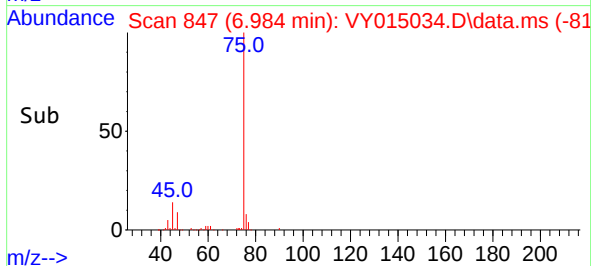
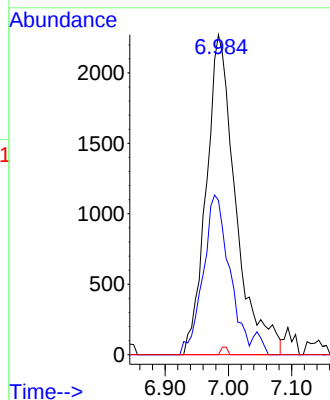
Tgt Ion: 43 Resp: 7355

Ion Ratio Lower Upper

43 100

61 44.4 10.1 15.1#

70 0.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.509 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015034.D

Acq: 10 Aug 2023 17:50

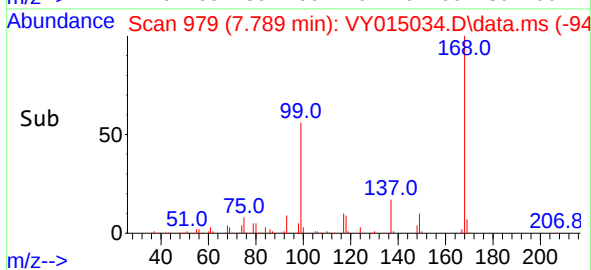
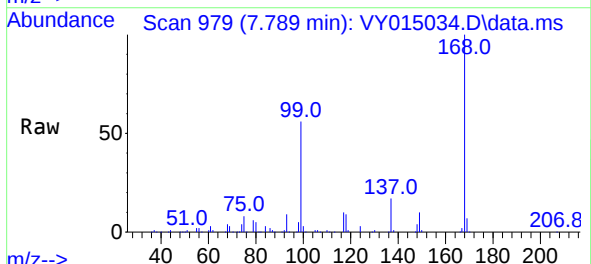
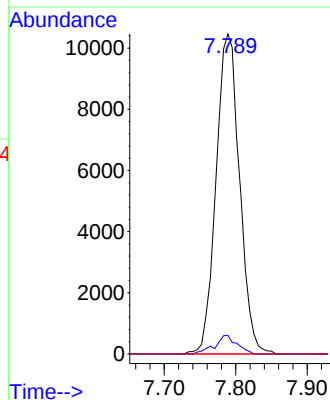
Tgt Ion: 117 Resp: 23845

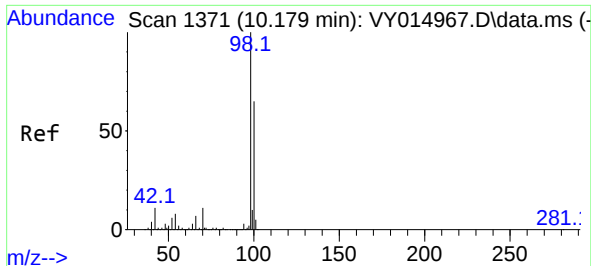
Ion Ratio Lower Upper

117 100

119 5.9 76.4 114.6#

121 0.0 25.8 38.6#

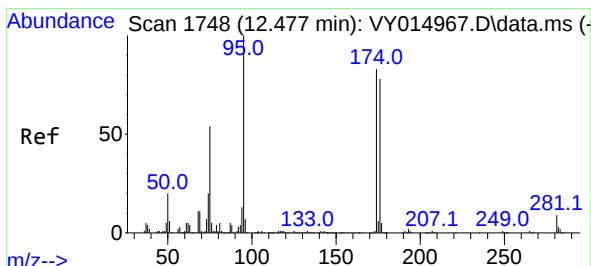
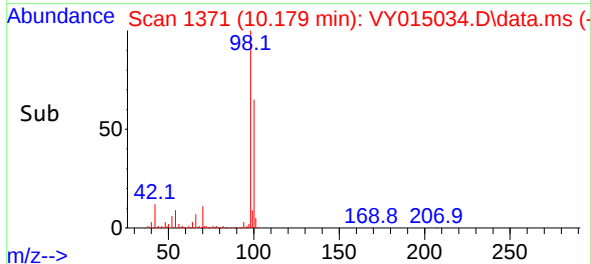
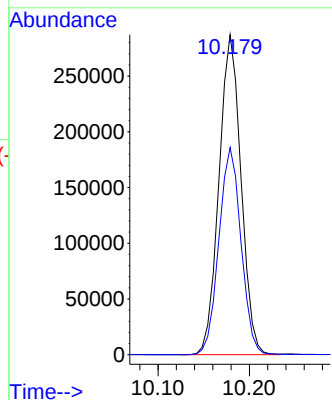
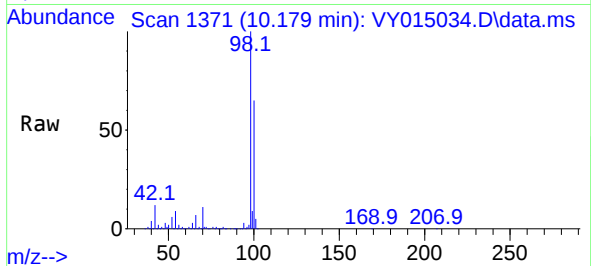




#50
Toluene-d8
Concen: 48.207 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

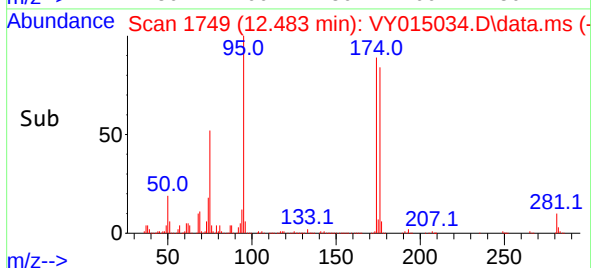
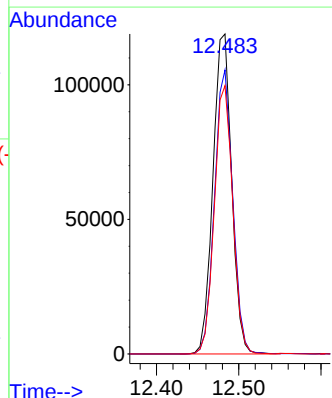
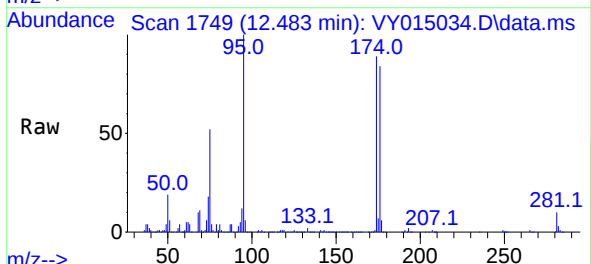
Instrument :
MSVOA_Y
ClientSampleId :

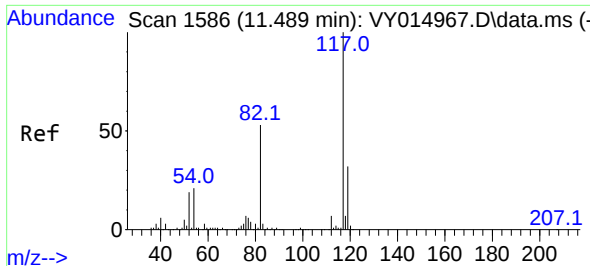
Tgt Ion: 98 Resp: 481576
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.274 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

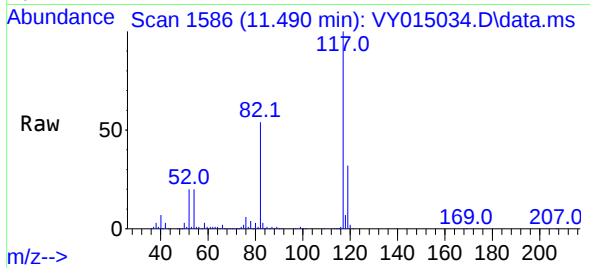
Tgt Ion: 95 Resp: 188620
Ion Ratio Lower Upper
95 100
174 86.5 0.0 178.2
176 82.5 0.0 173.8



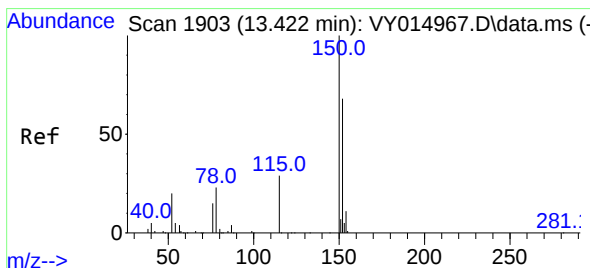
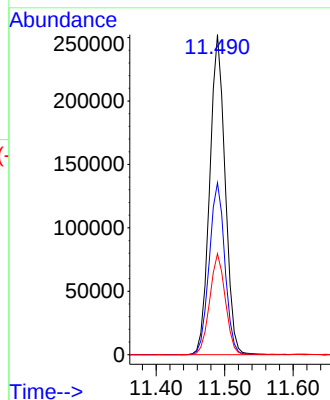
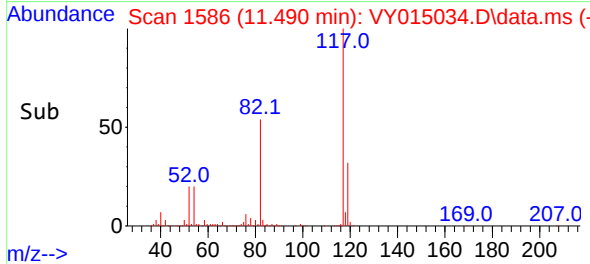


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

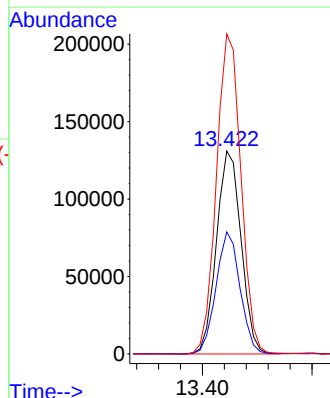
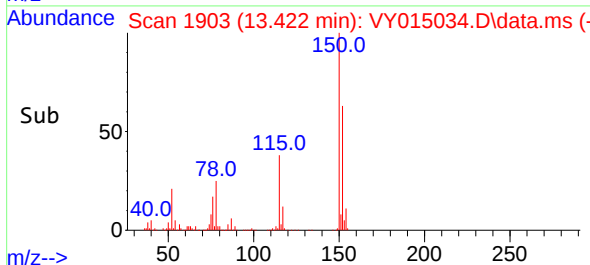
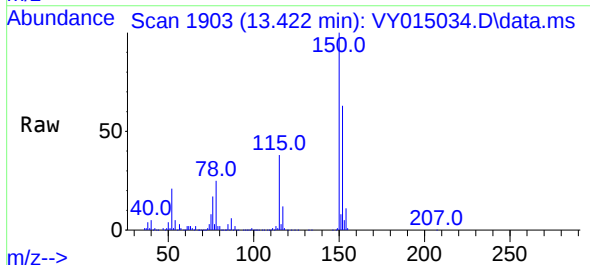


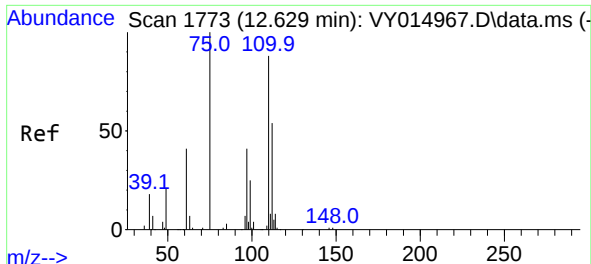
Tgt Ion:117 Resp: 394293
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Tgt Ion:152 Resp: 204077
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 157.8 0.0 348.8

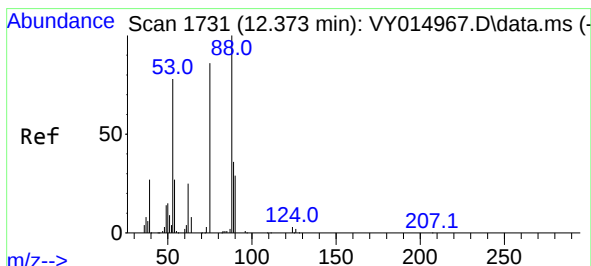
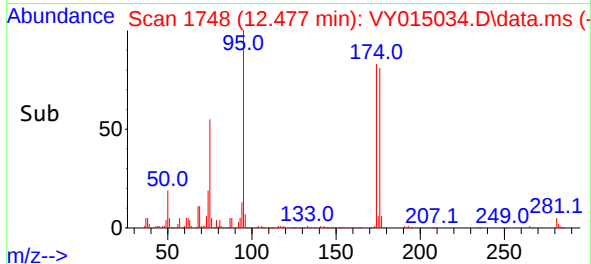
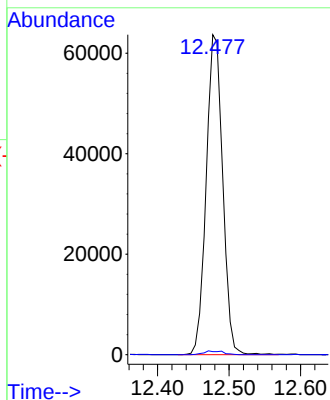
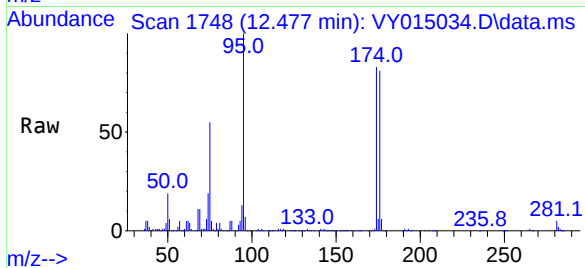




#76
1,2,3-Trichloropropane
Concen: 41.691 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

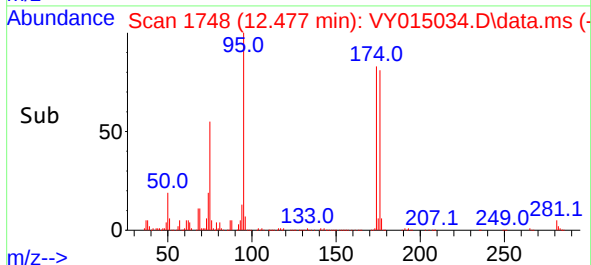
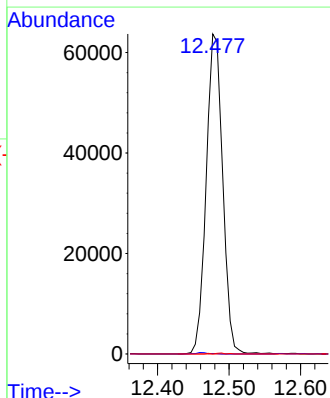
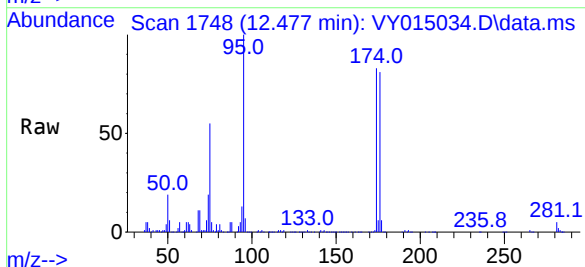
Instrument :
MSVOA_Y
ClientSampleId :

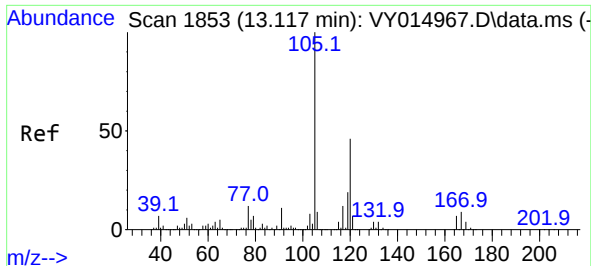
Tgt Ion: 75 Resp: 101949
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.847 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Tgt Ion: 75 Resp: 101949
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

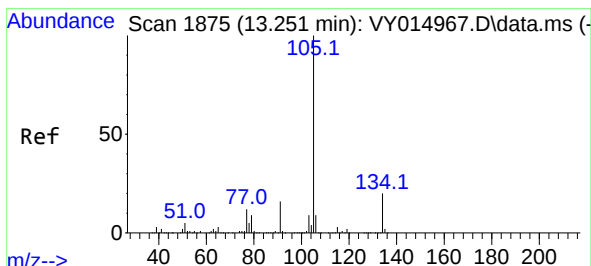
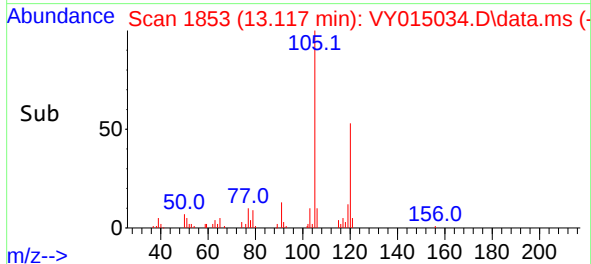
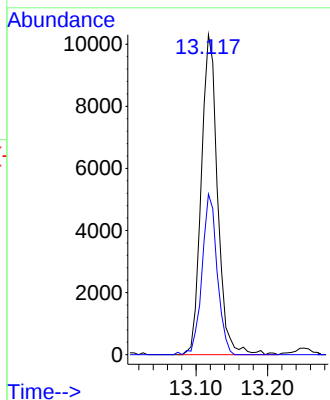
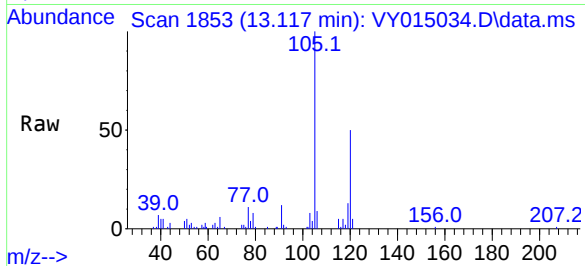




#84
1,2,4-Trimethylbenzene
Concen: 1.439 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

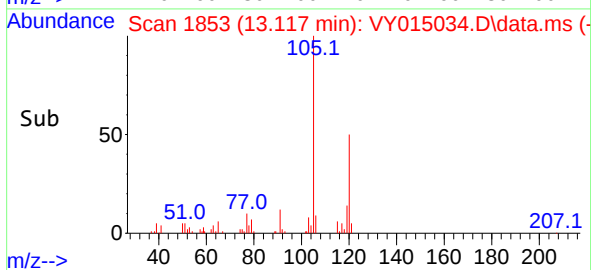
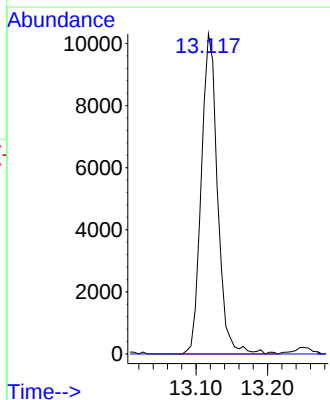
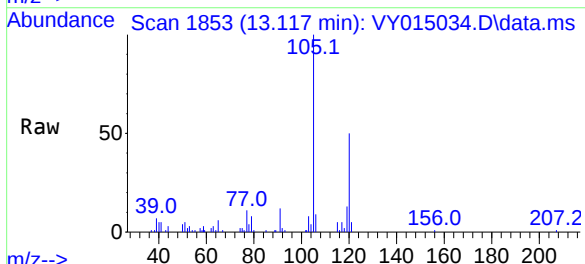
Instrument :
MSVOA_Y
ClientSampleId :

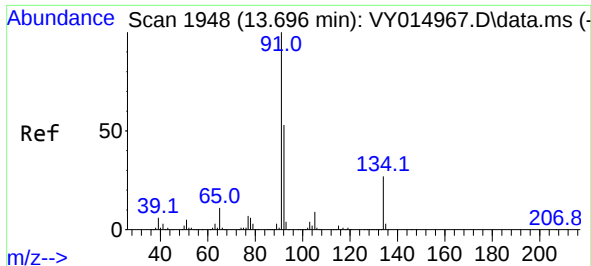
Tgt Ion:105 Resp: 16303
Ion Ratio Lower Upper
105 100
120 46.6 22.2 66.6



#85
sec-Butylbenzene
Concen: 1.074 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.134 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

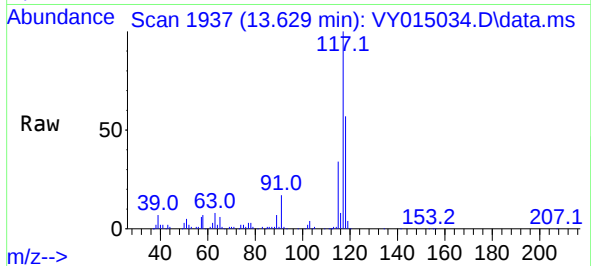
Tgt Ion:105 Resp: 16303
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#



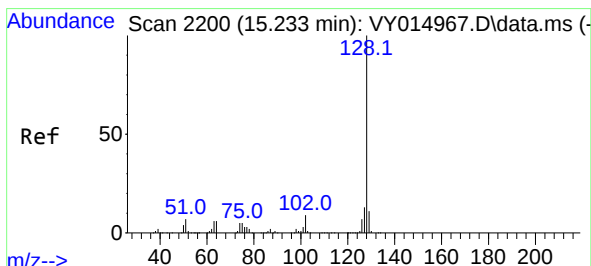
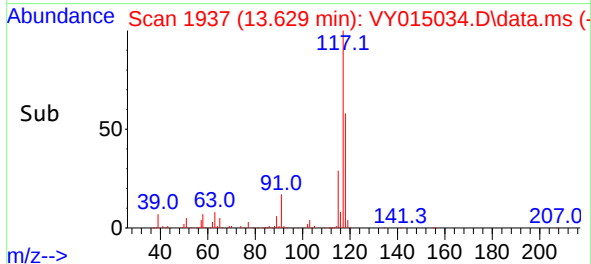
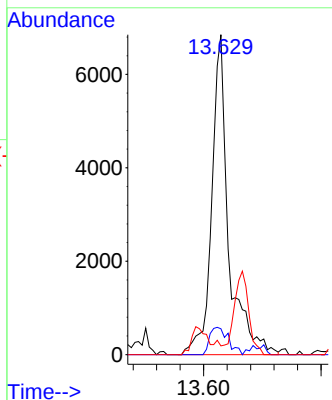


#89
n-Butylbenzene
Concen: 1.157 ug/l
RT: 13.629 min Scan# 1948
Delta R.T. -0.067 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 91 Resp: 13657
Ion Ratio Lower Upper
91 100
92 9.4 25.4 76.0#
134 0.0 12.6 37.6#



#95
Naphthalene
Concen: 162.196 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015034.D
Acq: 10 Aug 2023 17:50

Tgt Ion:128 Resp: 1468025
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 11.0 8.6 13.0

