

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020968.D
 Acq On : 29 Jan 2025 16:42
 Operator : SY/MD
 Sample : Q1220-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 30 00:36:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	208160	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	320265	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	255695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	111338	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80108	48.267	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.540%
35) Dibromofluoromethane	7.634	113	85474	46.489	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.980%
50) Toluene-d8	10.109	98	308776	43.297	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.600%
62) 4-Bromofluorobenzene	12.408	95	91366	38.495	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	77.000%

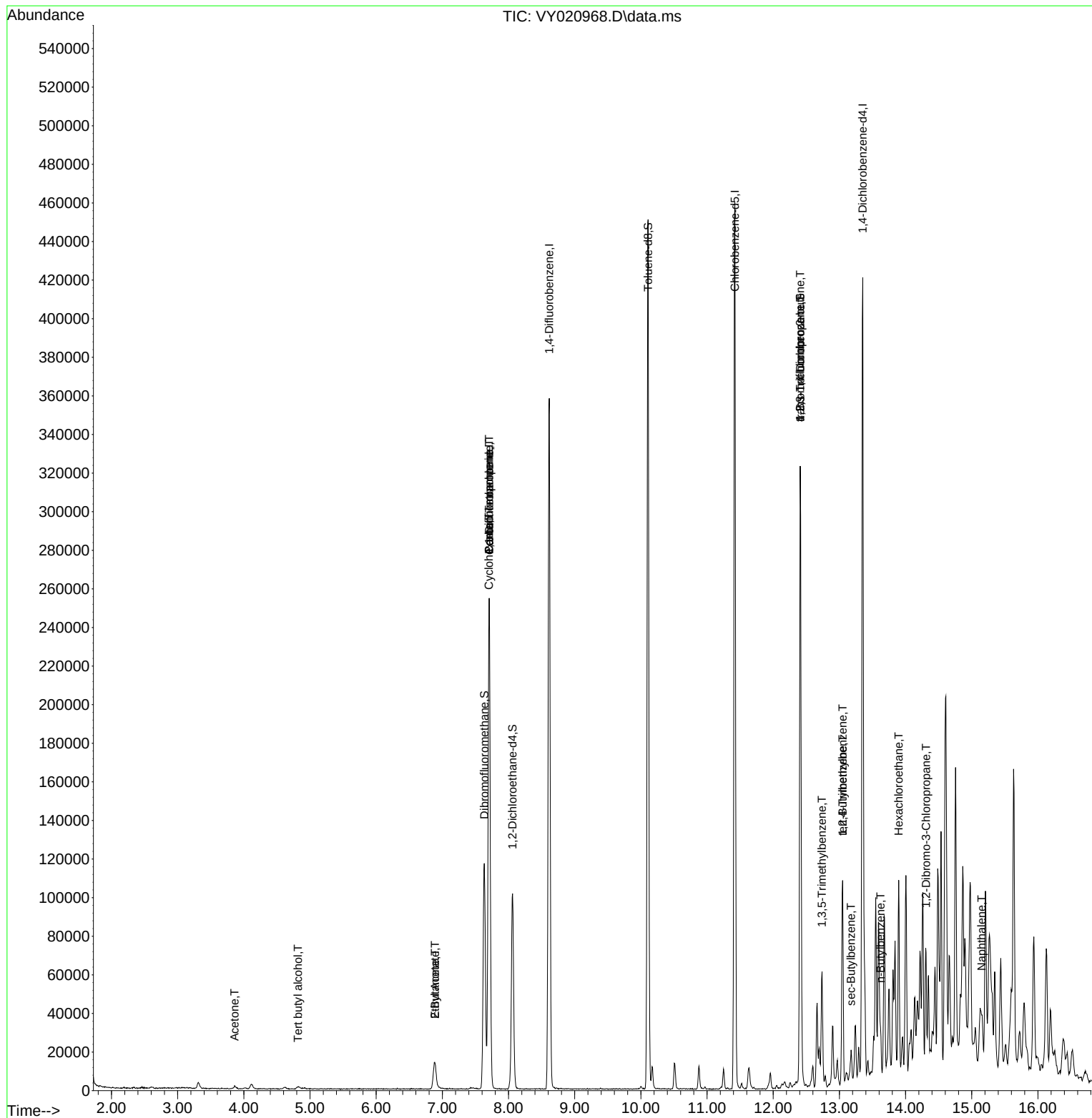
Target Compounds						Qvalue
11) Tert butyl alcohol	4.817	59	1299	10.139	ug/l #	74
16) Acetone	3.860	43	2312	10.282	ug/l #	75
25) 2-Butanone	6.890	43	1052	2.762	ug/l #	42
31) Cyclohexane	7.701	56	3512	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	14496	5.647	ug/l #	49
37) Ethyl Acetate	6.890	43	1052	1.056	ug/l #	14
38) Carbon Tetrachloride	7.707	117	19546	6.314	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	45671	58.017	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	12289	1.994	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.408	75	45671	112.088	ug/l #	15
83) tert-Butylbenzene	13.048	119	6989	1.230	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.048	105	56683	9.345	ug/l	100
85) sec-Butylbenzene	13.176	105	9032	1.115	ug/l	89
89) n-Butylbenzene	13.621	91	11267	1.866	ug/l #	74
90) Hexachloroethane	13.895	117	4189	3.080	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.310	75	244	1.361	ug/l #	1
95) Naphthalene	15.151	128	10989	3.820	ug/l #	93

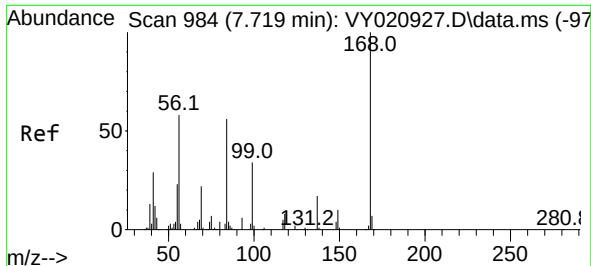
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

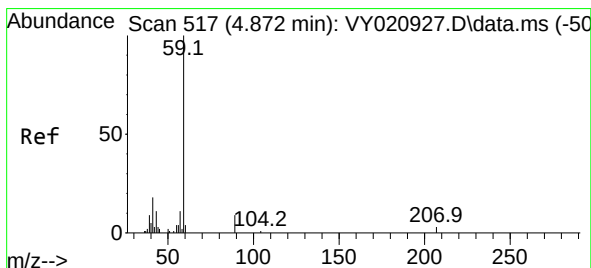
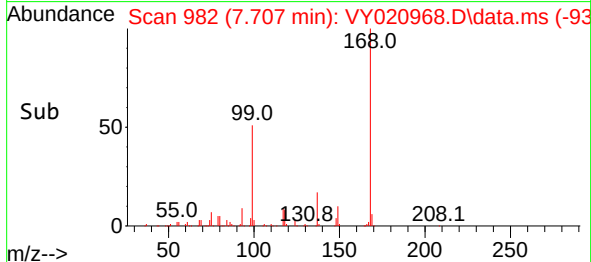
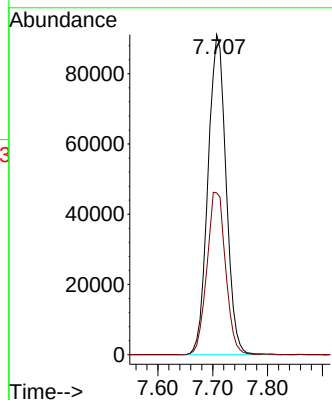
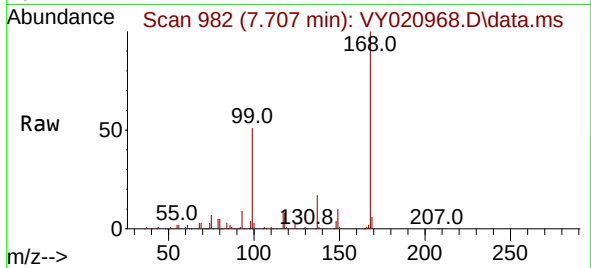




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

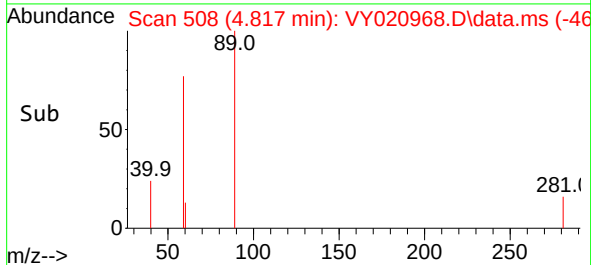
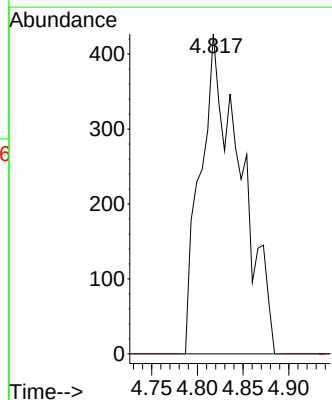
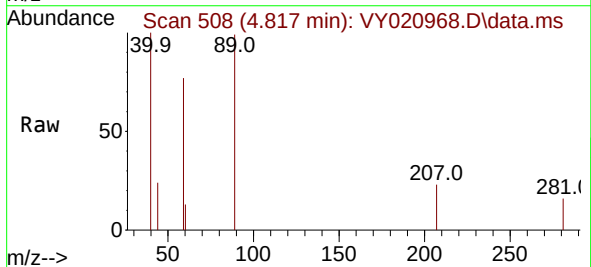
Instrument :
MSVOA_Y
ClientSampleId :

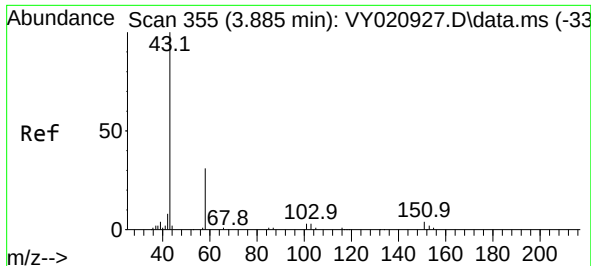
Tgt Ion:168 Resp: 208160
Ion Ratio Lower Upper
168 100
99 50.6 43.0 64.6



#11
Tert butyl alcohol
Concen: 10.139 ug/l
RT: 4.817 min Scan# 508
Delta R.T. -0.055 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

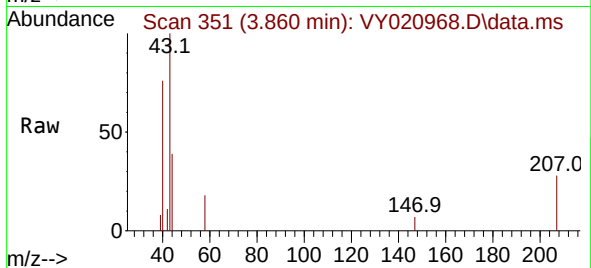
Tgt Ion: 59 Resp: 1299
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



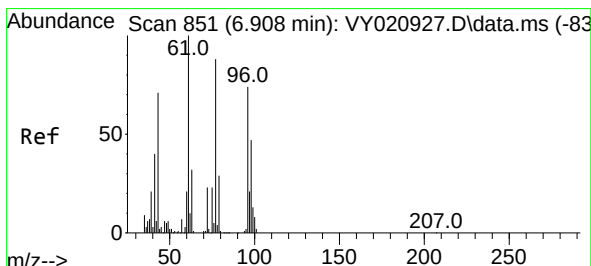
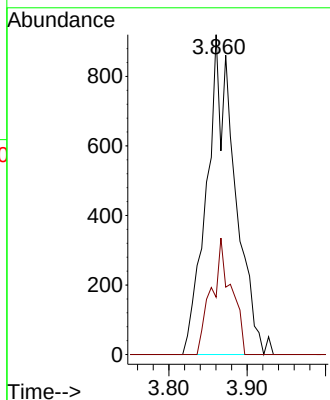
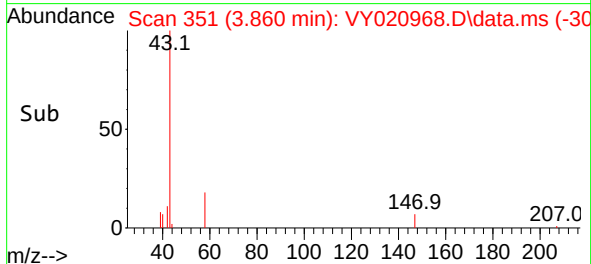


#16
Acetone
Concen: 10.282 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.024 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :

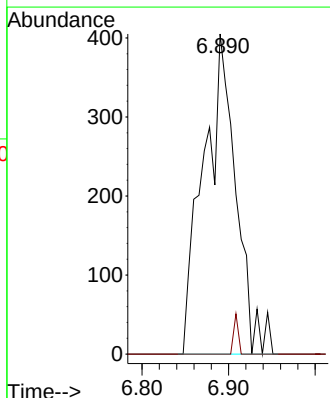
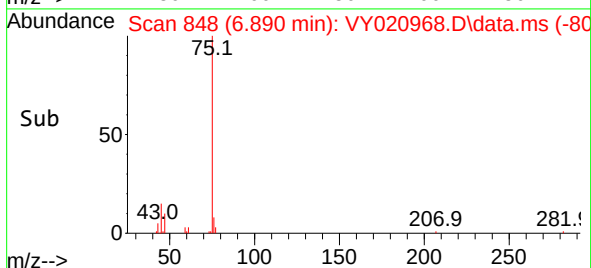
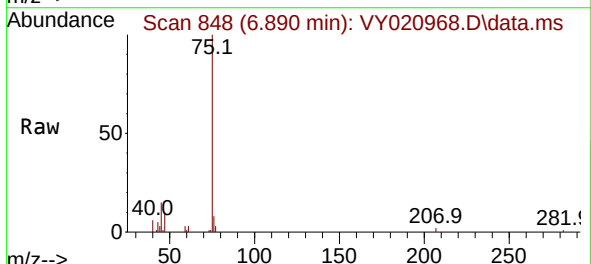


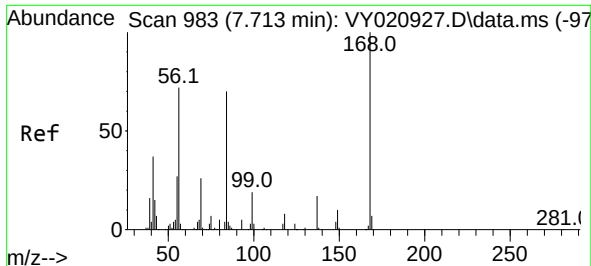
Tgt Ion: 43 Resp: 2312
Ion Ratio Lower Upper
43 100
58 17.9 25.6 38.4#



#25
2-Butanone
Concen: 2.762 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.018 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

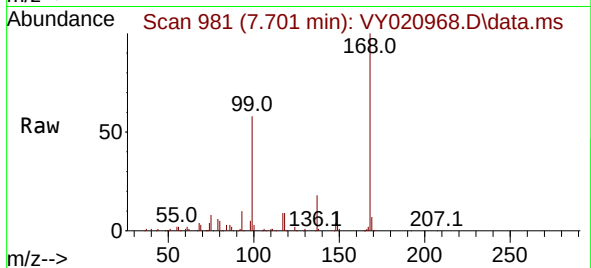
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



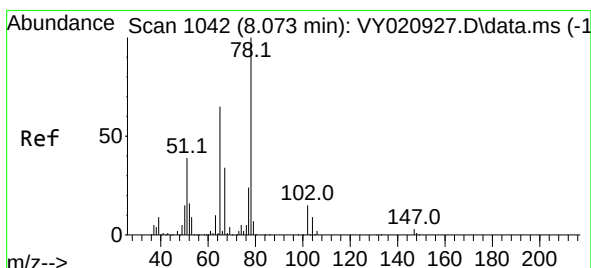
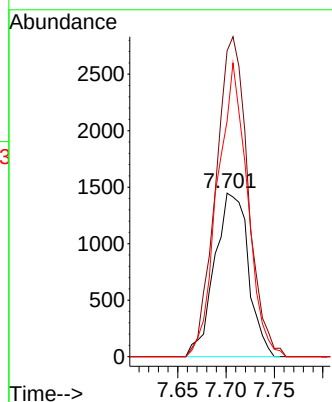
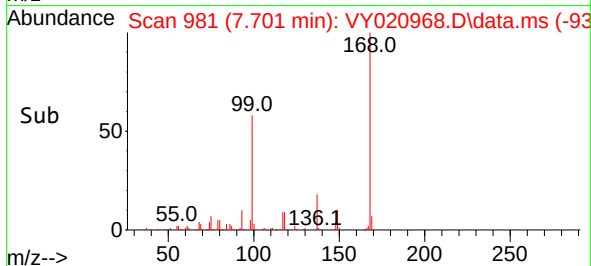


#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :

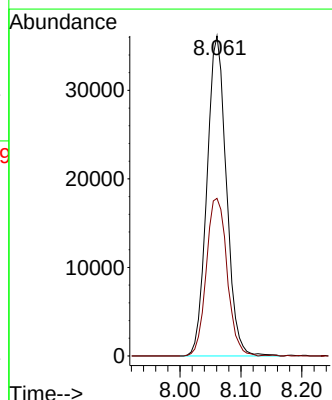
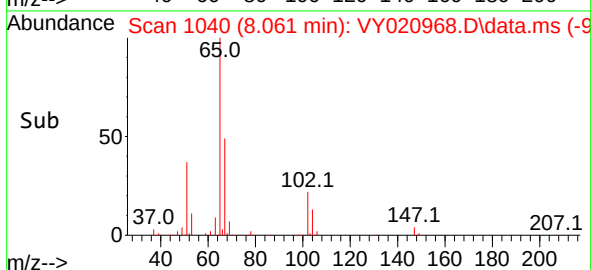
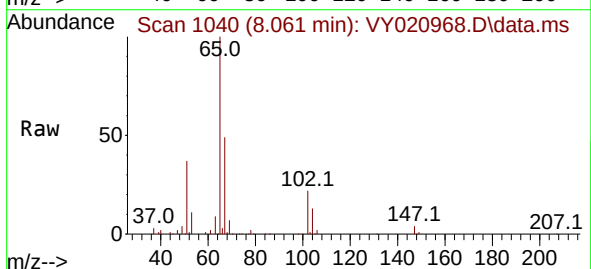


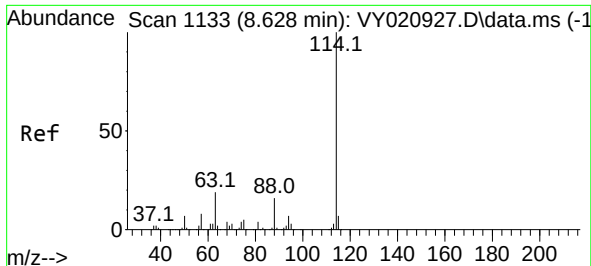
Tgt Ion: 56 Resp: 3512
Ion Ratio Lower Upper
56 100
69 187.0 28.7 43.1#
84 144.0 77.4 116.0#



#33
1,2-Dichloroethane-d4
Concen: 48.267 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion: 65 Resp: 80108
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

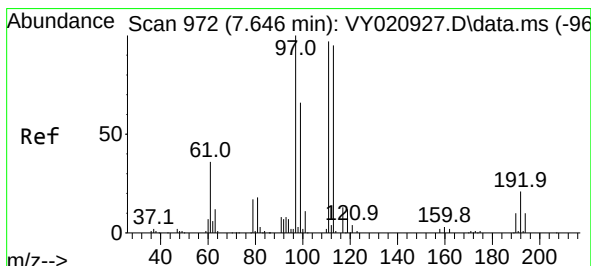
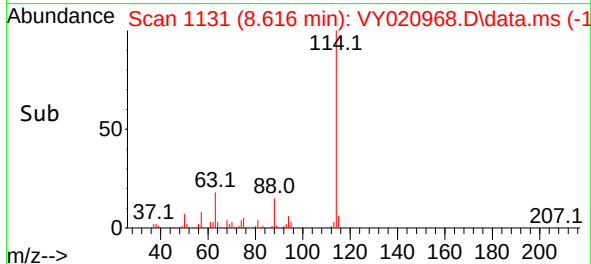
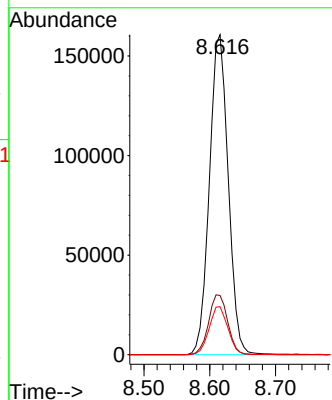
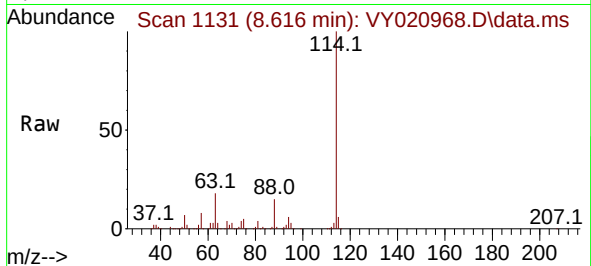




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1133
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

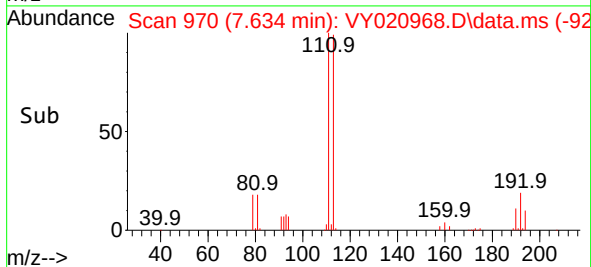
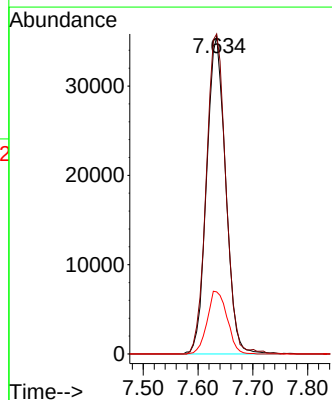
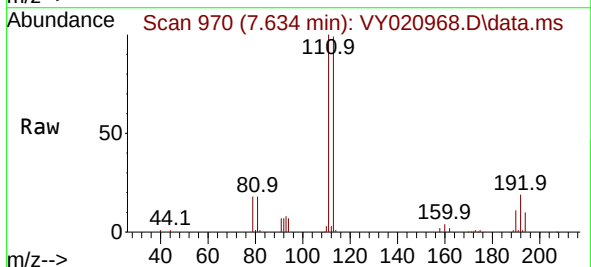
Instrument :
MSVOA_Y
ClientSampleId :

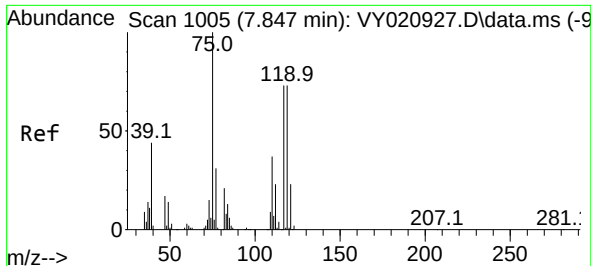
Tgt Ion:114 Resp: 320265
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 15.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 46.489 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion:113 Resp: 85474
Ion Ratio Lower Upper
113 100
111 103.5 82.3 123.5
192 20.7 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.647 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.140 min

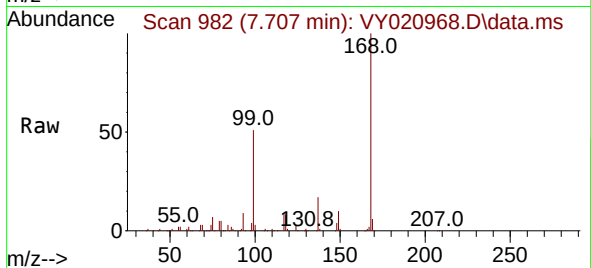
Lab File: VY020968.D

Acq: 29 Jan 2025 16:42

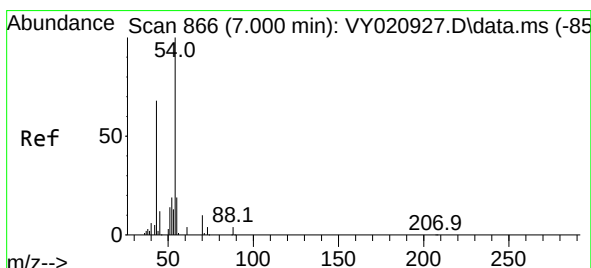
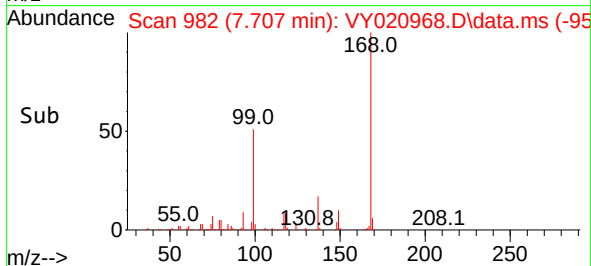
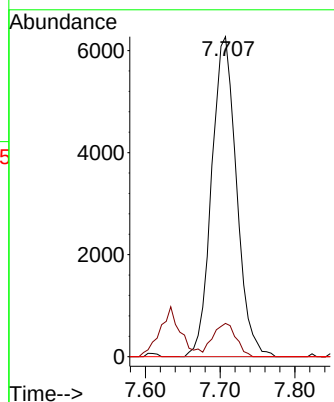
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	14496
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.5	55.5#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.056 ug/l

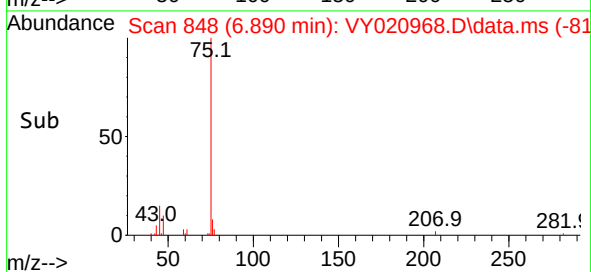
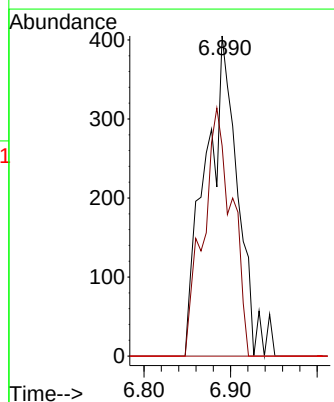
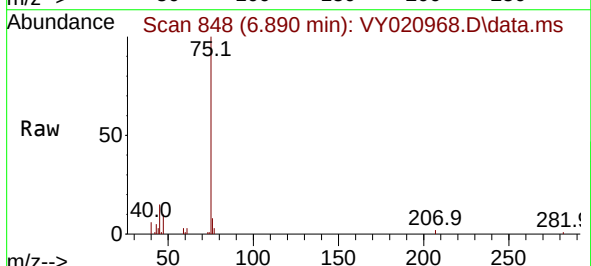
RT: 6.890 min Scan# 848

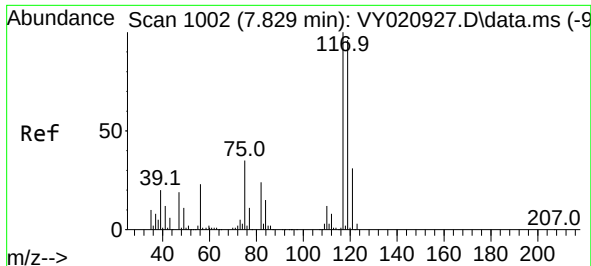
Delta R.T. -0.110 min

Lab File: VY020968.D

Acq: 29 Jan 2025 16:42

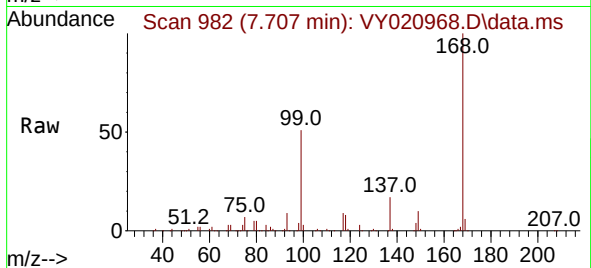
Tgt Ion:	43	Resp:	1052
Ion	Ratio	Lower	Upper
43	100		
61	69.2	12.1	18.1#
70	0.0	9.5	14.3#



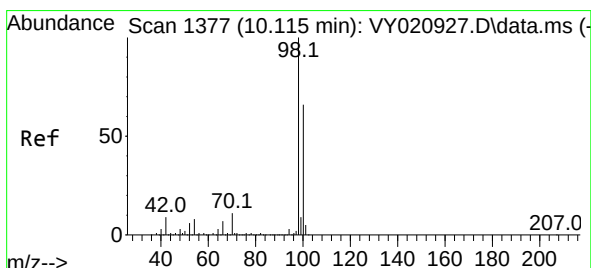
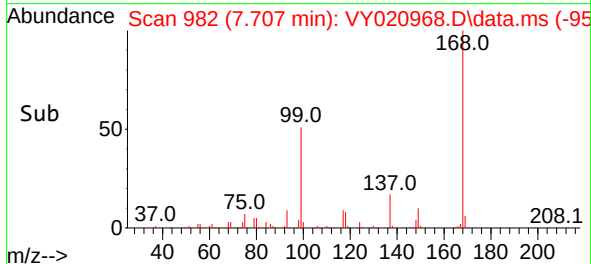
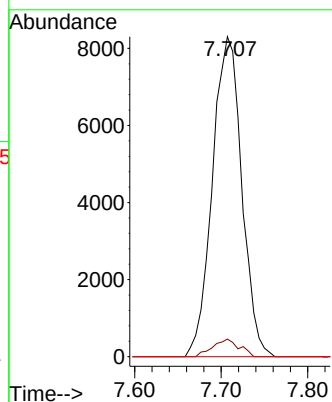


#38
Carbon Tetrachloride
Concen: 6.314 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :

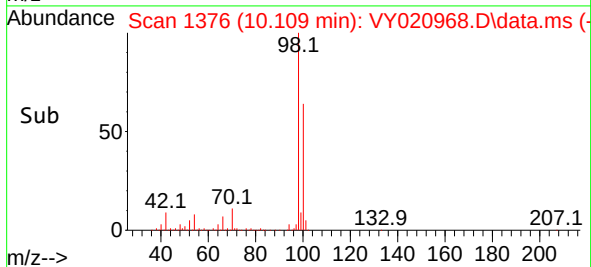
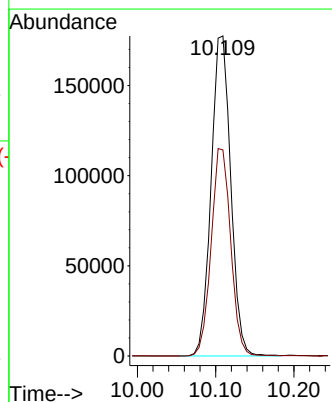
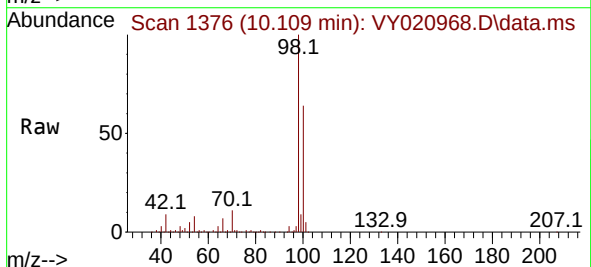


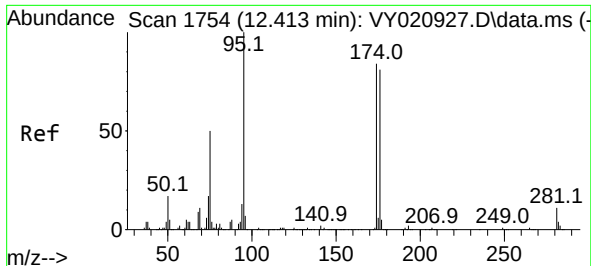
Tgt Ion:117 Resp: 19546
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 43.297 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

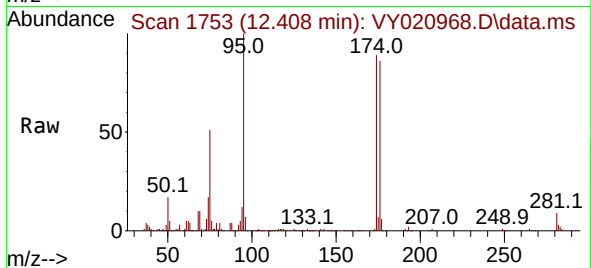
Tgt Ion: 98 Resp: 308776
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



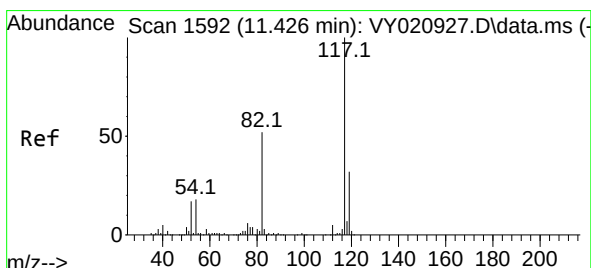
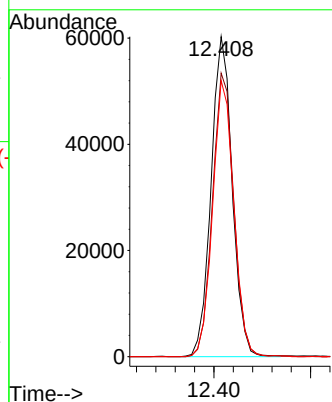
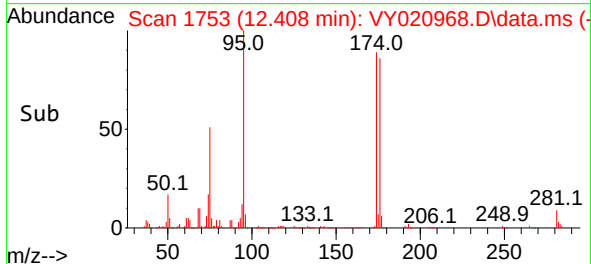


#62
4-Bromofluorobenzene
Concen: 38.495 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :

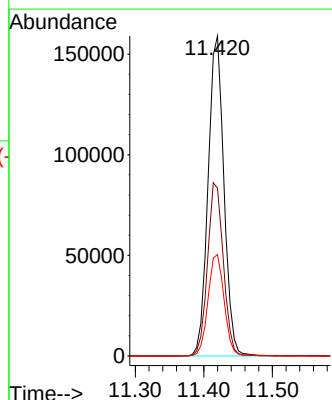
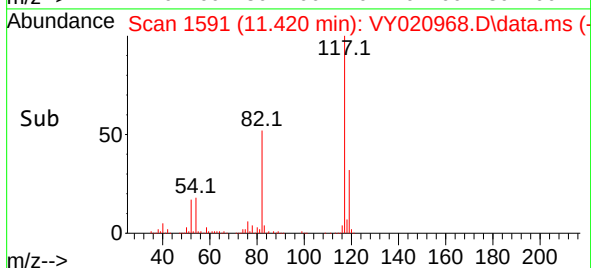
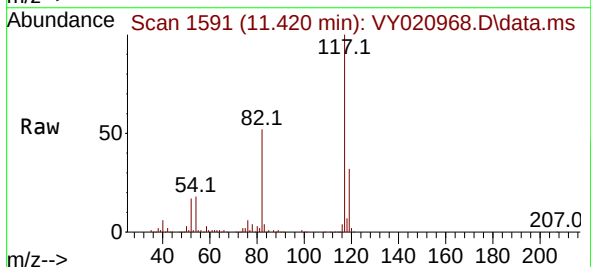


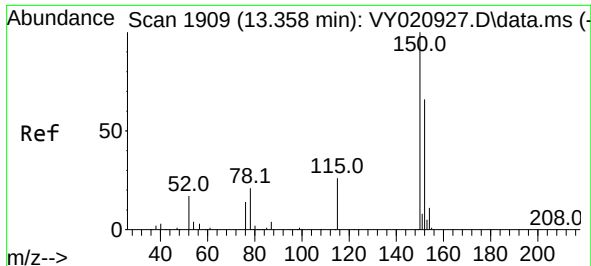
Tgt Ion: 95 Resp: 91366
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.4
176 86.5 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion: 117 Resp: 255695
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 31.7 26.0 39.0

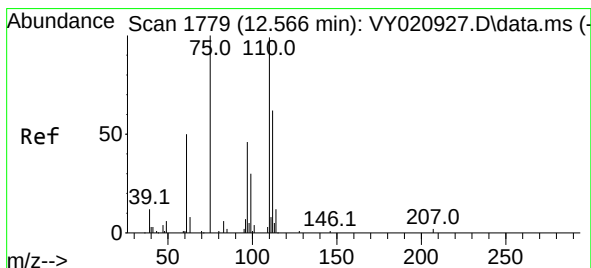
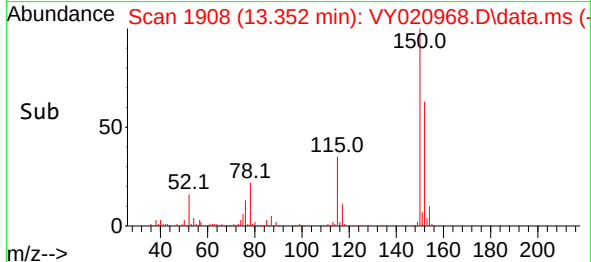
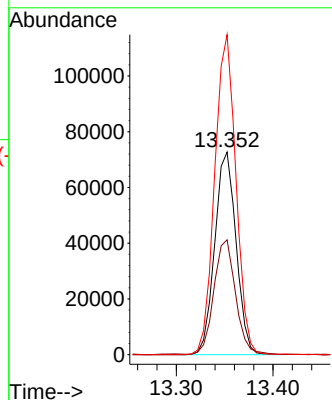
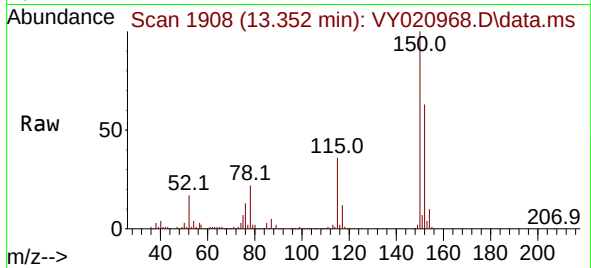




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1909
 Delta R.T. -0.006 min
 Lab File: VY020968.D
 Acq: 29 Jan 2025 16:42

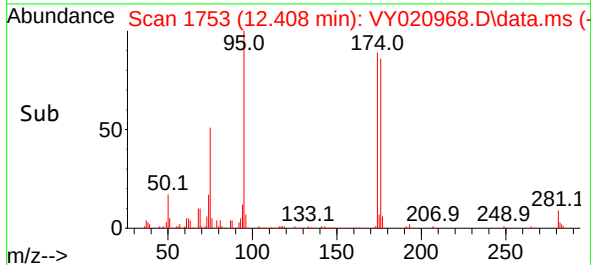
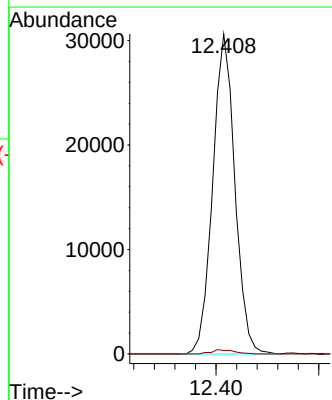
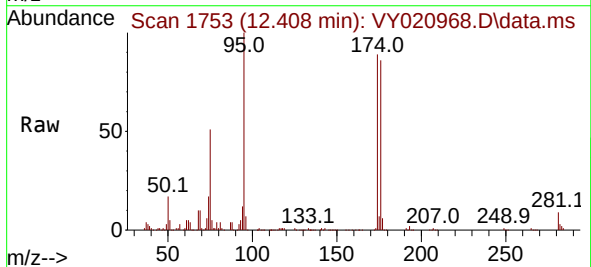
Instrument :
 MSVOA_Y
 ClientSampleId :

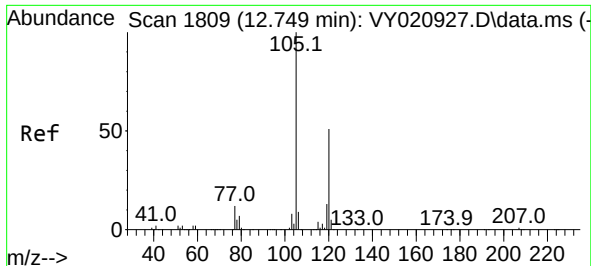
Tgt Ion:152 Resp: 111338
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.0 87.0
 150 156.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 58.017 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.158 min
 Lab File: VY020968.D
 Acq: 29 Jan 2025 16:42

Tgt Ion: 75 Resp: 45671
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

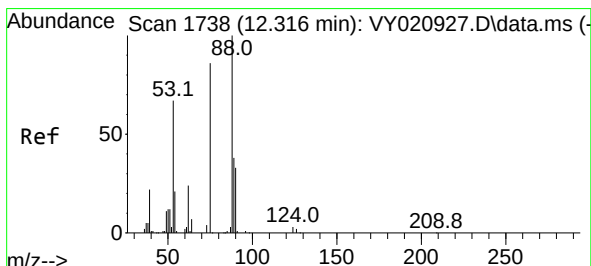
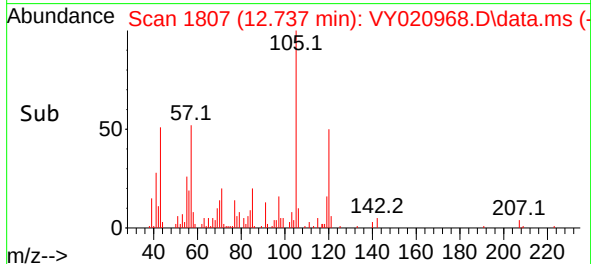
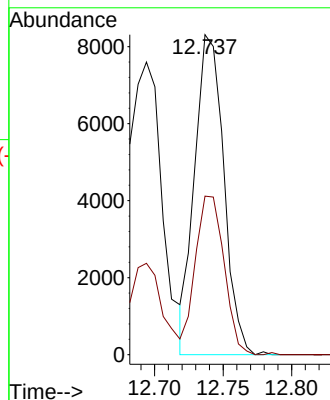
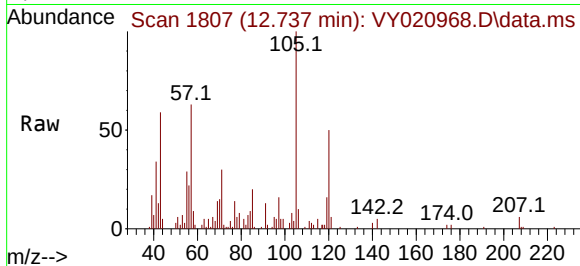




#80
 1,3,5-Trimethylbenzene
 Concen: 1.994 ug/l
 RT: 12.737 min Scan# 1753
 Delta R.T. -0.012 min
 Lab File: VY020968.D
 Acq: 29 Jan 2025 16:42

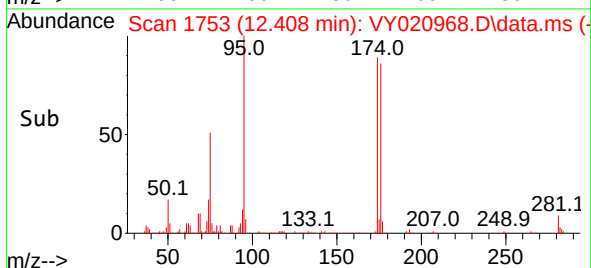
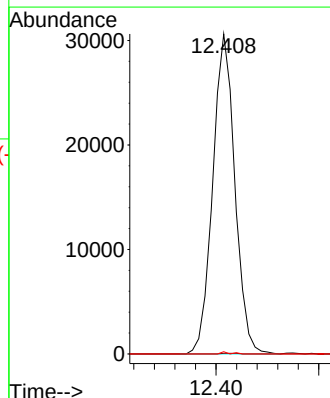
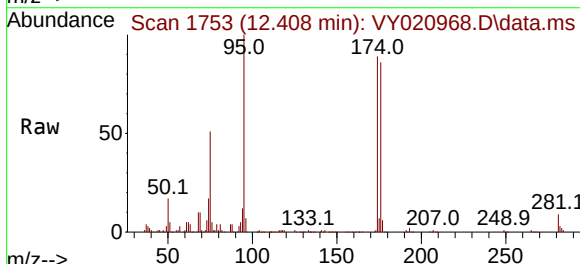
Instrument :
 MSVOA_Y
 ClientSampleId :

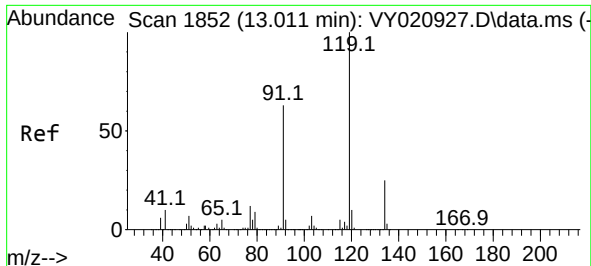
Tgt Ion:105 Resp: 12289
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.088 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.092 min
 Lab File: VY020968.D
 Acq: 29 Jan 2025 16:42

Tgt Ion: 75 Resp: 45671
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.7 101.5#
 89 0.3 38.4 57.6#

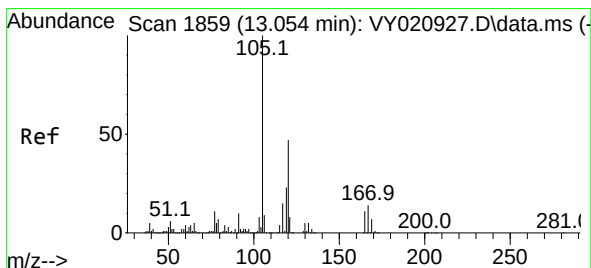
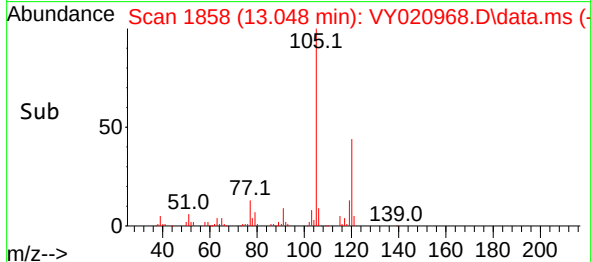
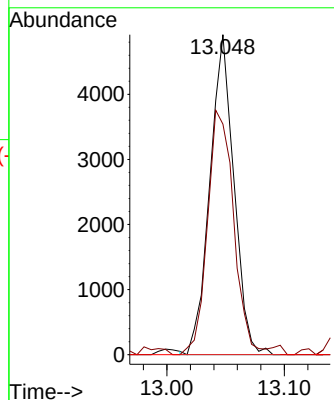
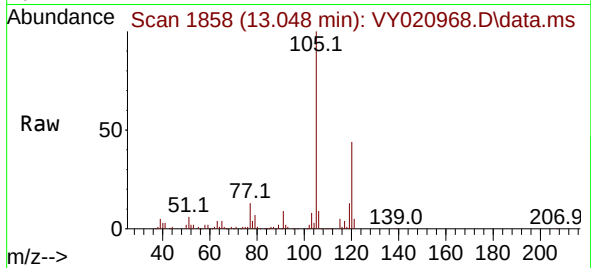




#83
tert-Butylbenzene
Concen: 1.230 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.037 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

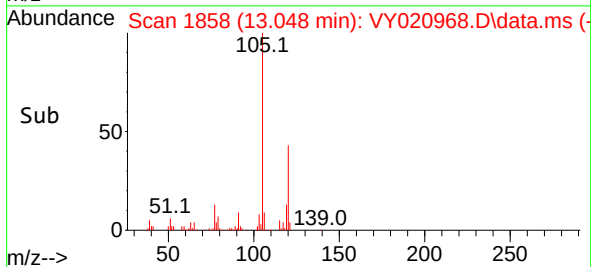
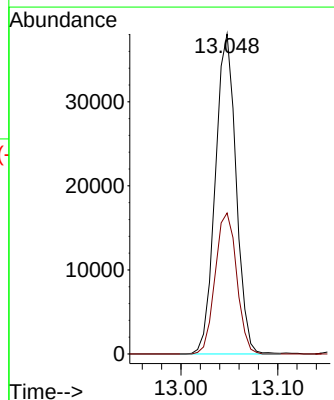
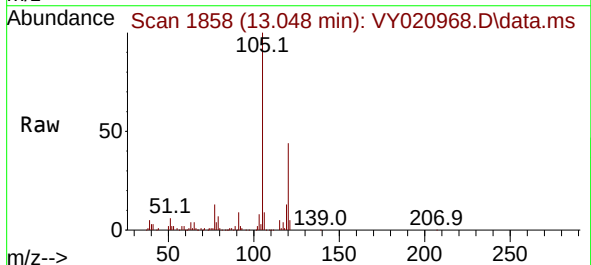
Instrument :
MSVOA_Y
ClientSampleId :

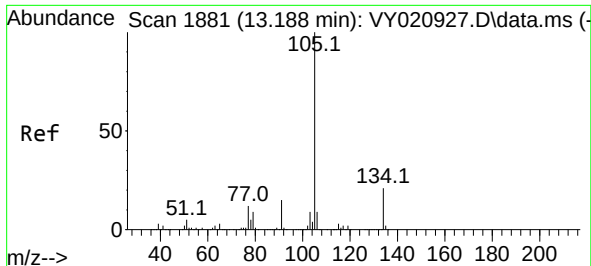
Tgt Ion:119 Resp: 6989
Ion Ratio Lower Upper
119 100
91 83.4 30.9 92.8
134 0.0 13.1 39.3#



#84
1,2,4-Trimethylbenzene
Concen: 9.345 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion:105 Resp: 56683
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.7

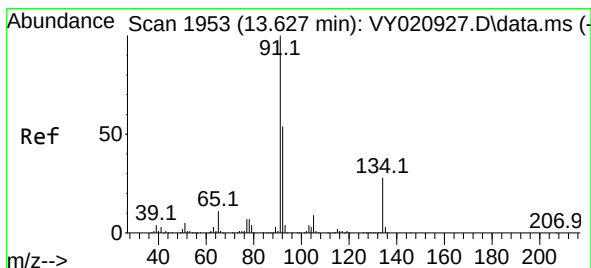
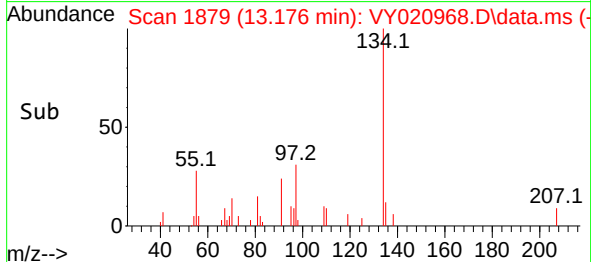
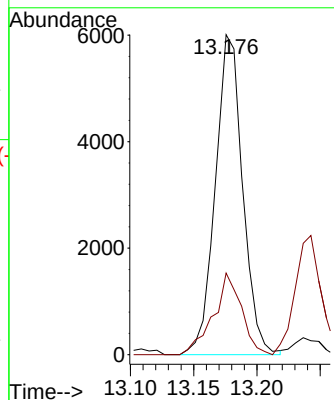
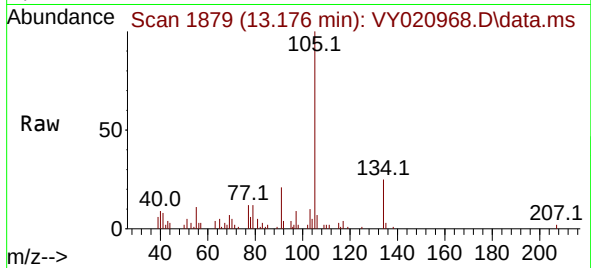




#85
 sec-Butylbenzene
 Concen: 1.115 ug/l
 RT: 13.176 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: VY020968.D
 Acq: 29 Jan 2025 16:42

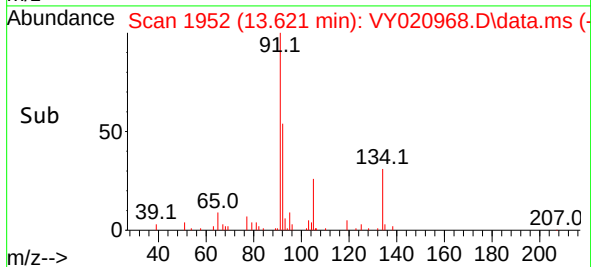
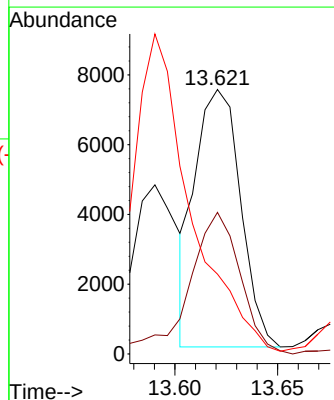
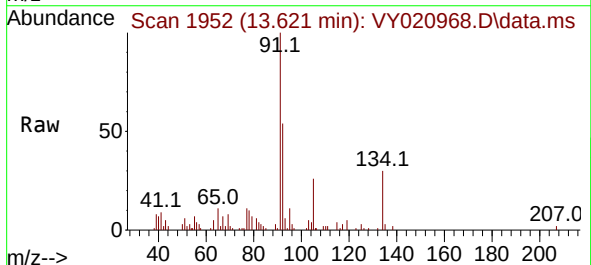
Instrument :
 MSVOA_Y
 ClientSampleId :

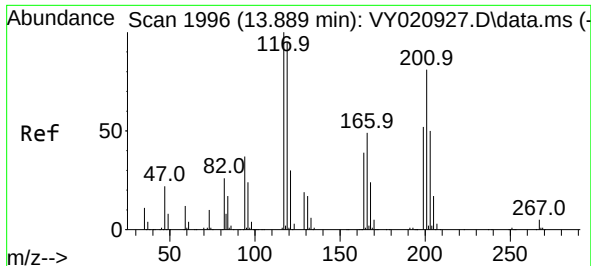
Tgt Ion:105 Resp: 9032
 Ion Ratio Lower Upper
 105 100
 134 26.1 10.4 31.4



#89
 n-Butylbenzene
 Concen: 1.866 ug/l
 RT: 13.621 min Scan# 1952
 Delta R.T. -0.006 min
 Lab File: VY020968.D
 Acq: 29 Jan 2025 16:42

Tgt Ion: 91 Resp: 11267
 Ion Ratio Lower Upper
 91 100
 92 62.5 26.8 80.3
 134 0.0 13.8 41.4#

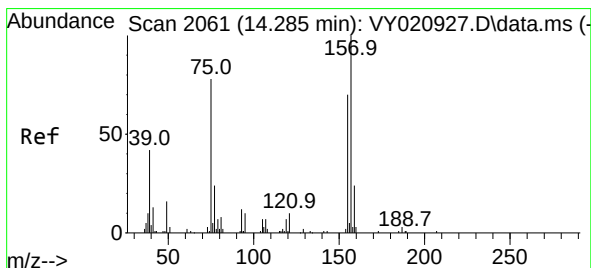
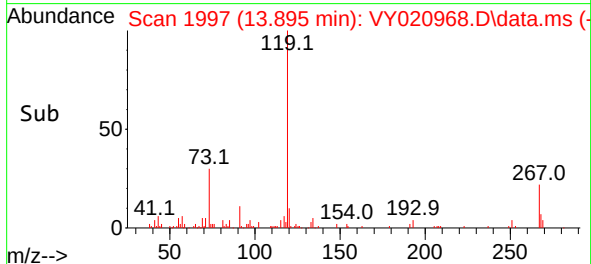
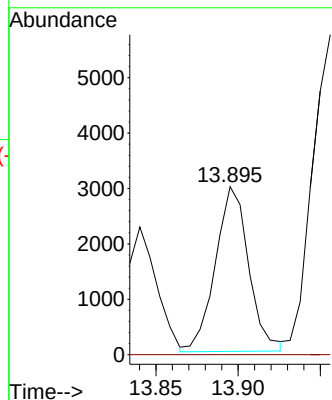
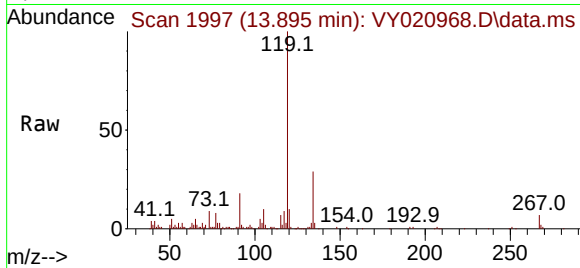




#90
Hexachloroethane
Concen: 3.080 ug/l
RT: 13.895 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

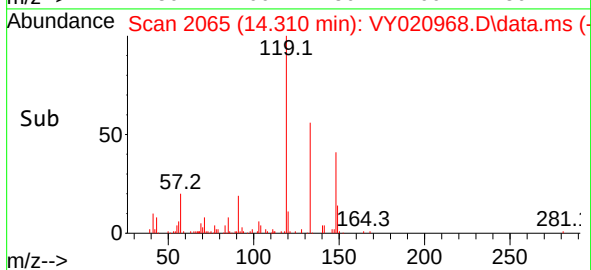
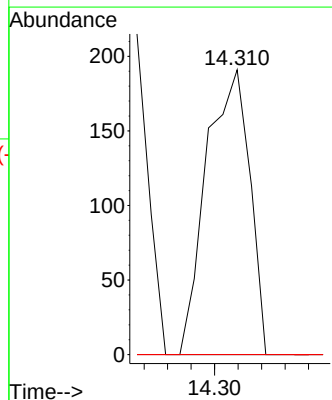
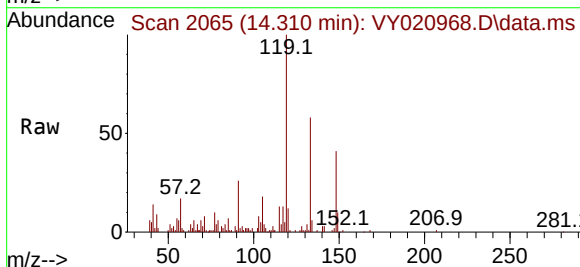
Instrument :
MSVOA_Y
ClientSampleId :

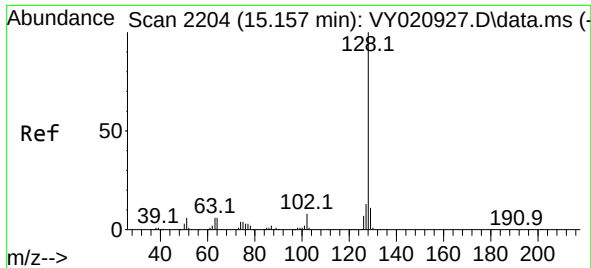
Tgt Ion:117 Resp: 4189
Ion Ratio Lower Upper
117 100
201 0.0 42.7 128.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.361 ug/l
RT: 14.310 min Scan# 2065
Delta R.T. 0.025 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

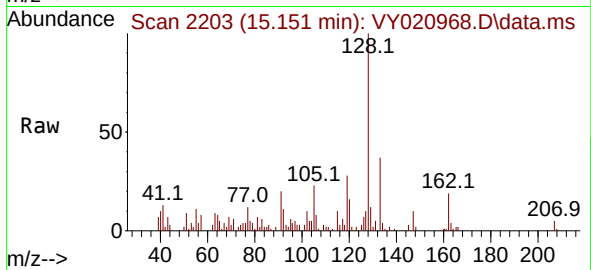
Tgt Ion: 75 Resp: 244
Ion Ratio Lower Upper
75 100
155 0.0 46.6 139.7#
157 0.0 60.1 180.3#





#95
Naphthalene
Concen: 3.820 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 10989
Ion Ratio Lower Upper
128 100
127 17.2 10.3 15.5#
129 10.1 8.8 13.2

