

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010825\
 Data File : VY020806.D
 Acq On : 08 Jan 2025 13:00
 Operator : SY/MD
 Sample : Q1029-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 09 00:20:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

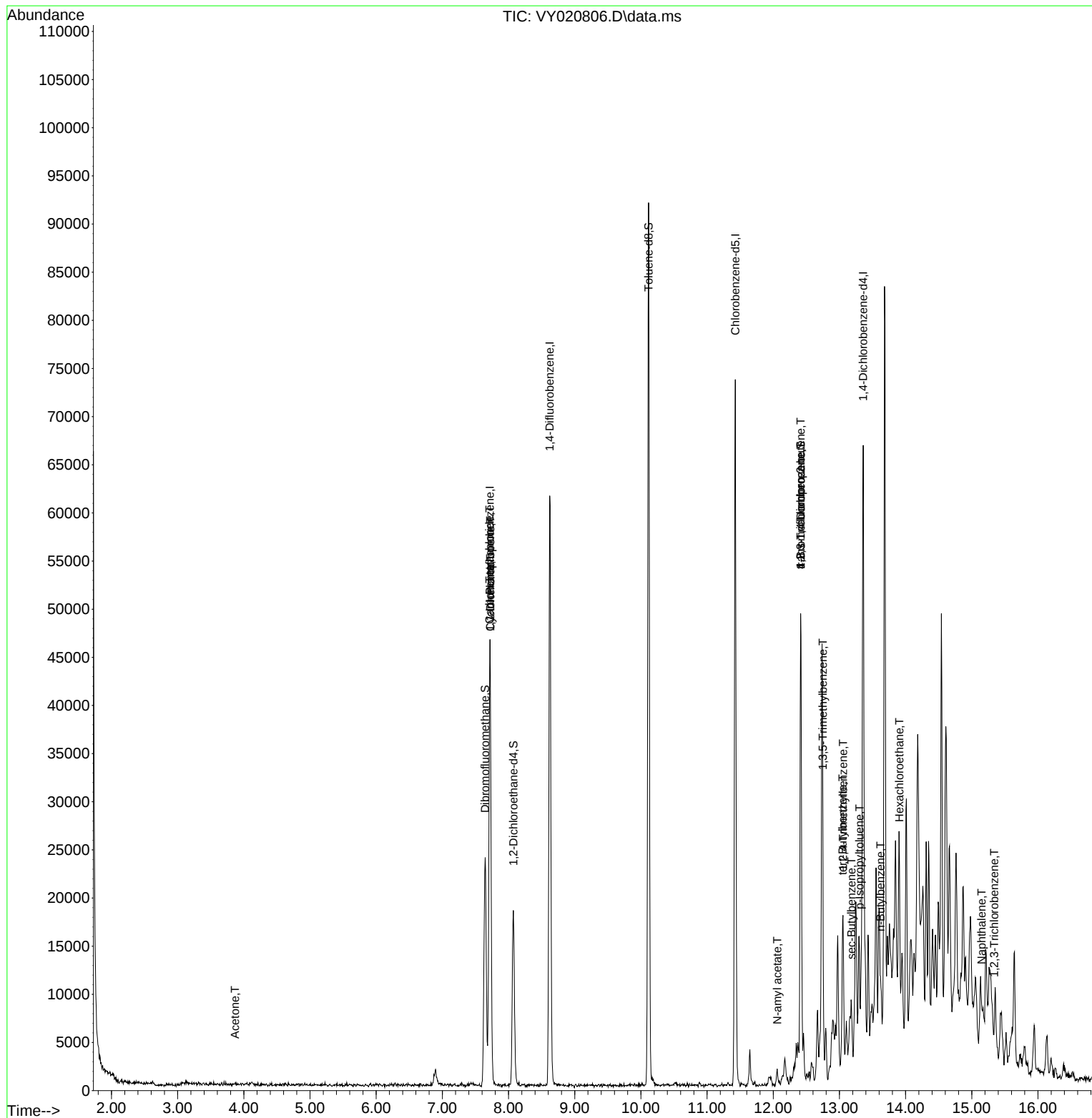
Internal Standards						
1) Pentafluorobenzene	7.719	168	37186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	55819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	40647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	14452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	15350	48.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.140%			
35) Dibromofluoromethane	7.646	113	17591	50.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.115	98	61552	50.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.414	95	15363	34.126	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 68.260%			
Target Compounds			Qvalue			
16) Acetone	3.866	43	177	3.938	ug/l #	41
31) Cyclohexane	7.725	56	600	1.305	ug/l #	33
36) 1,1-Dichloropropene	7.725	75	2881	6.459	ug/l #	50
38) Carbon Tetrachloride	7.713	117	3909	6.296	ug/l #	12
74) N-amyl acetate	12.060	43	459	2.447	ug/l #	43
76) 1,2,3-Trichloropropane	12.414	75	7546	59.675	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.749	105	2355	2.535	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.414	75	7546	125.826	ug/l #	14
83) tert-Butylbenzene	13.048	119	1064	1.224	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.054	105	8289	9.135	ug/l	98
85) sec-Butylbenzene	13.182	105	1891	1.558	ug/l	92
86) p-Isopropyltoluene	13.304	119	1504	1.452	ug/l	93
89) n-Butylbenzene	13.621	91	2038	2.269	ug/l #	77
90) Hexachloroethane	13.907	117	672	3.232	ug/l #	6
95) Naphthalene	15.151	128	1841	4.328	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.340	180	233	1.076	ug/l #	1

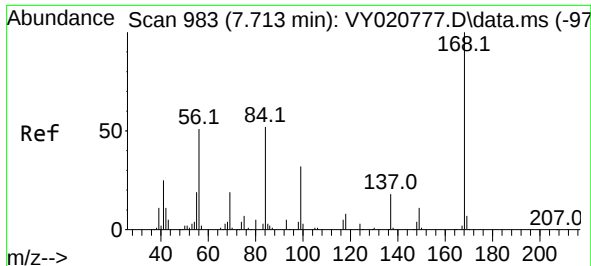
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010825\
Data File : VY020806.D
Acq On : 08 Jan 2025 13:00
Operator : SY/MD
Sample : Q1029-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jan 09 00:20:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration

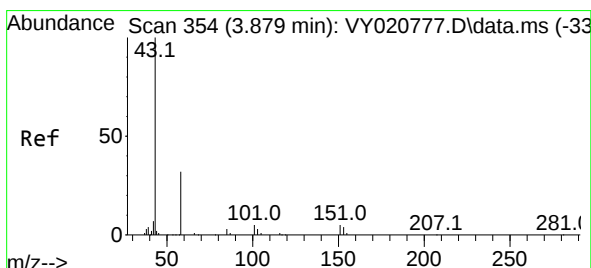
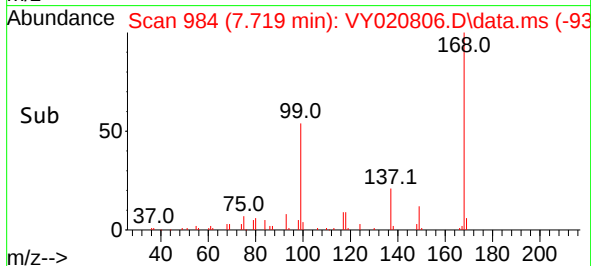
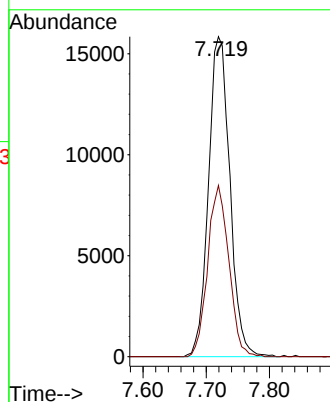
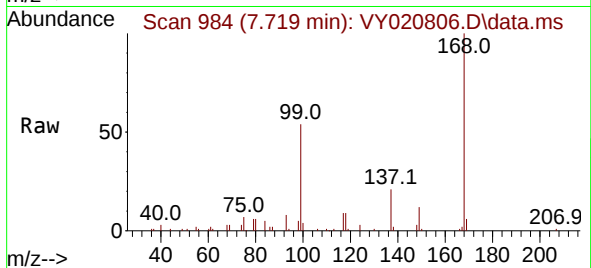




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

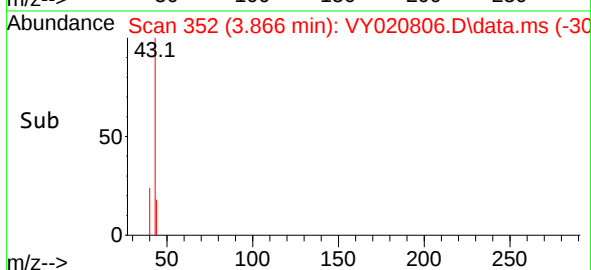
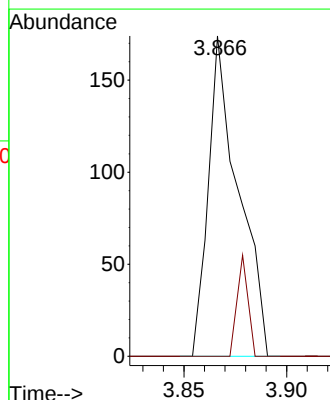
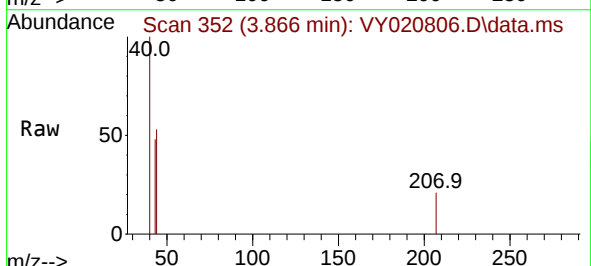
Instrument :
MSVOA_Y
ClientSampleId :

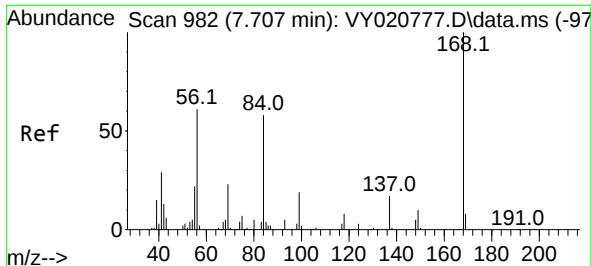
Tgt Ion:168 Resp: 37186
Ion Ratio Lower Upper
168 100
99 53.5 44.3 66.5



#16
Acetone
Concen: 3.938 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#

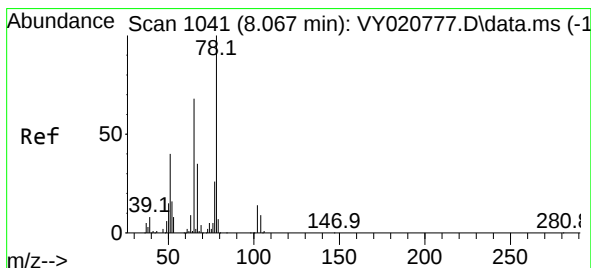
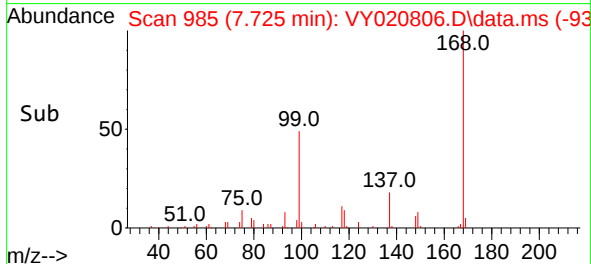
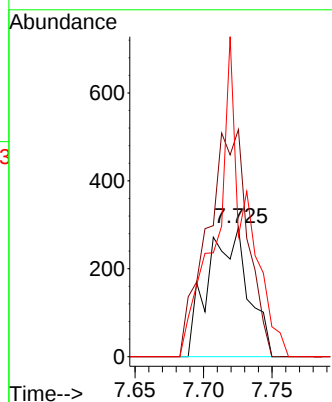
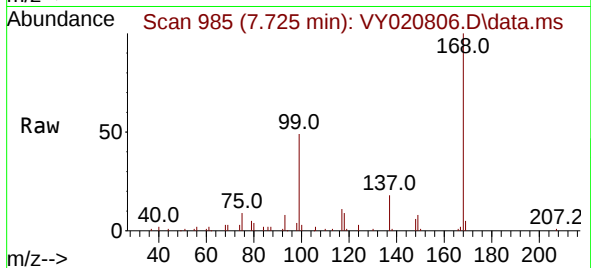




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

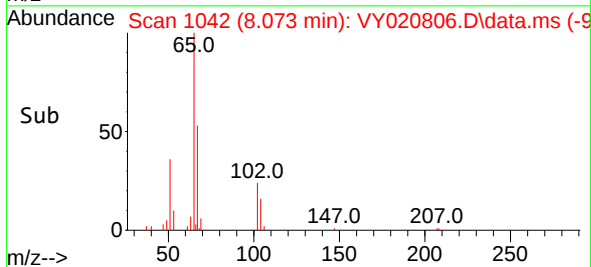
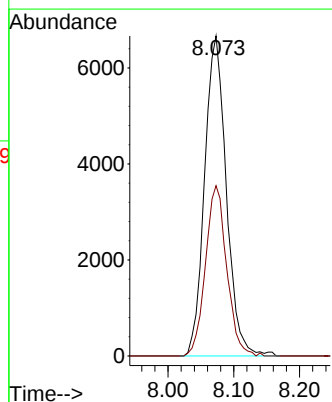
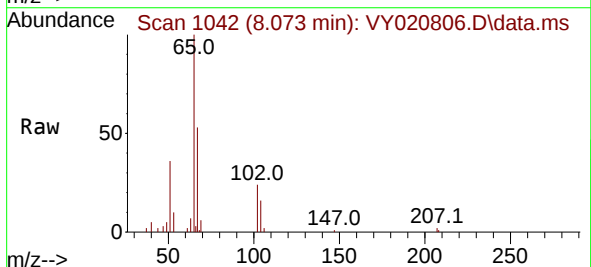
Instrument :
MSVOA_Y
ClientSampleId :

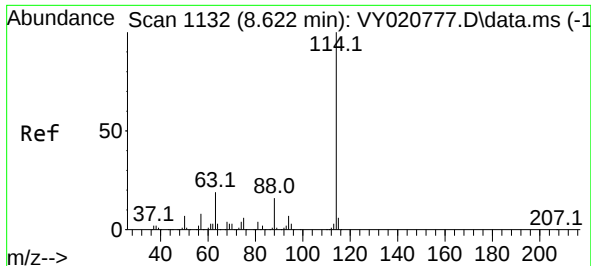
Tgt Ion: 56 Resp: 600
Ion Ratio Lower Upper
56 100
69 175.9 30.5 45.7#
84 93.2 76.6 115.0



#33
1,2-Dichloroethane-d4
Concen: 48.565 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 65 Resp: 15350
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY020806.D

Acq: 08 Jan 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

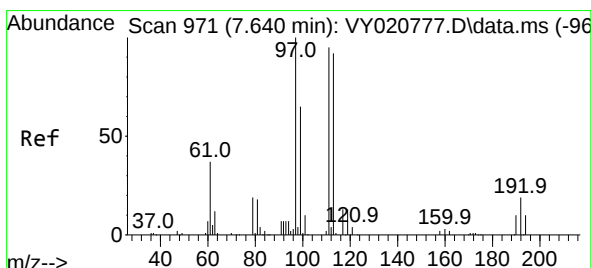
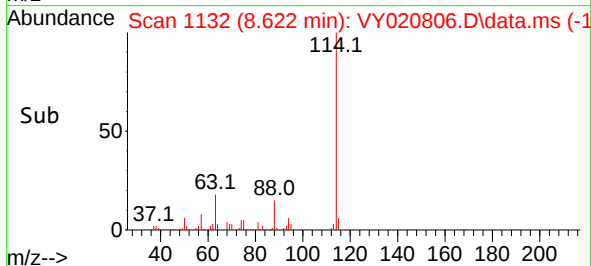
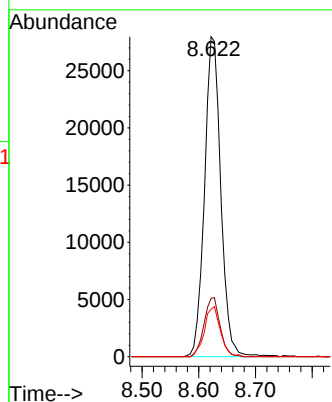
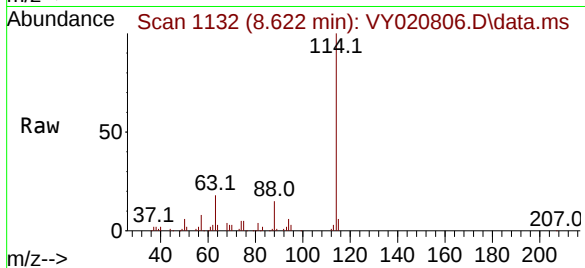
Tgt Ion:114 Resp: 55819

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.303 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY020806.D

Acq: 08 Jan 2025 13:00

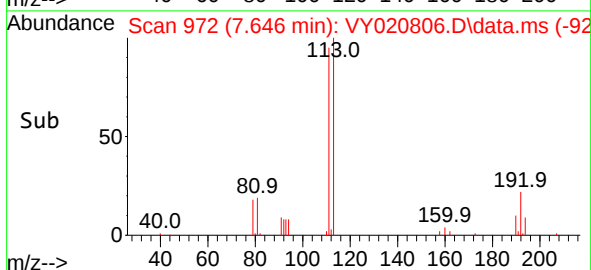
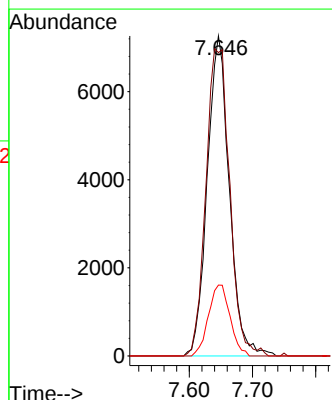
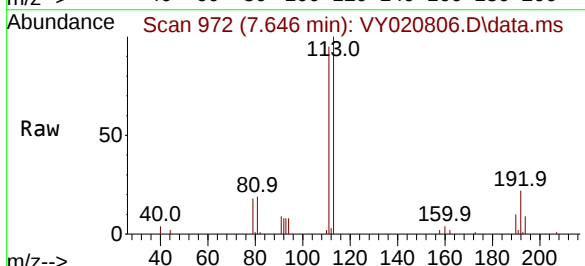
Tgt Ion:113 Resp: 17591

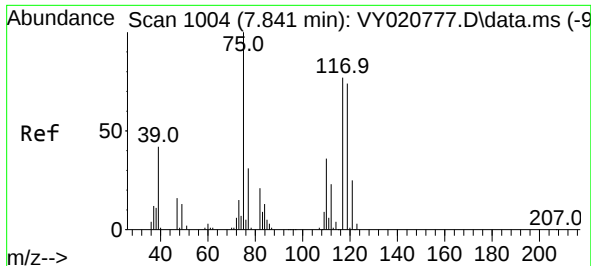
Ion Ratio Lower Upper

113 100

111 103.8 81.7 122.5

192 21.7 16.7 25.1

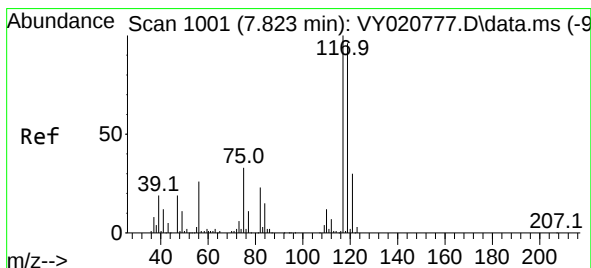
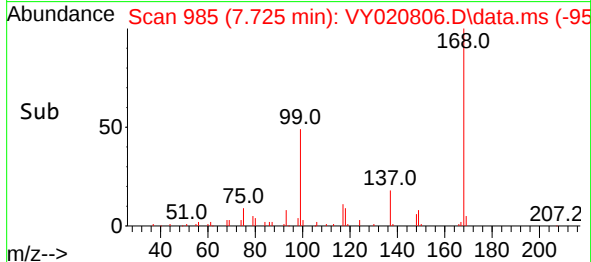
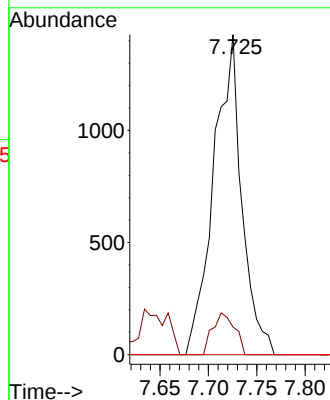
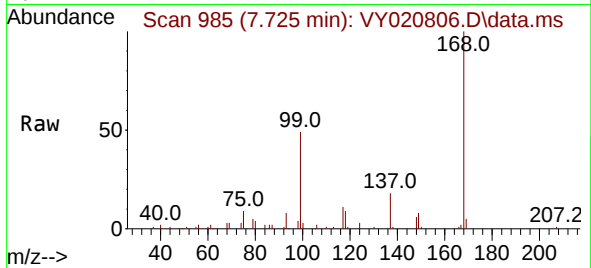




#36
1,1-Dichloropropene
Concen: 6.459 ug/l
RT: 7.725 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

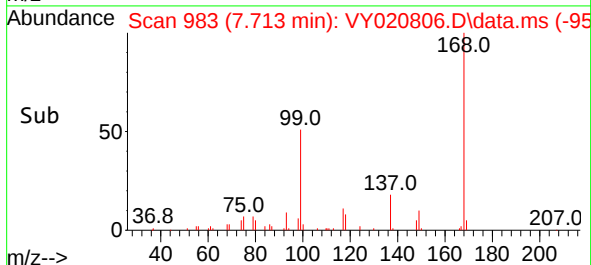
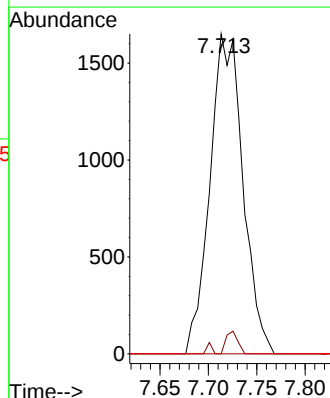
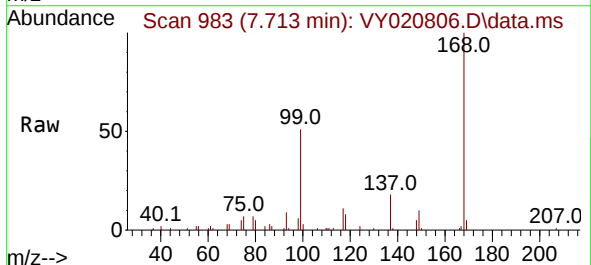
Instrument :
MSVOA_Y
ClientSampleId :

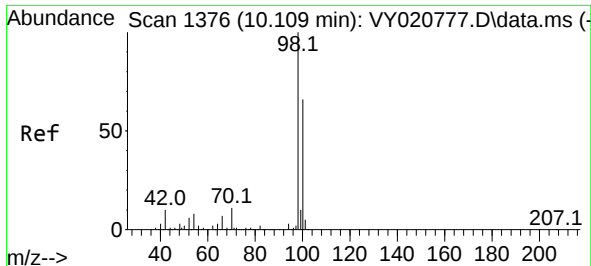
Tgt Ion: 75 Resp: 2881
Ion Ratio Lower Upper
75 100
110 10.3 18.5 55.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 117 Resp: 3909
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 24.3 36.5#

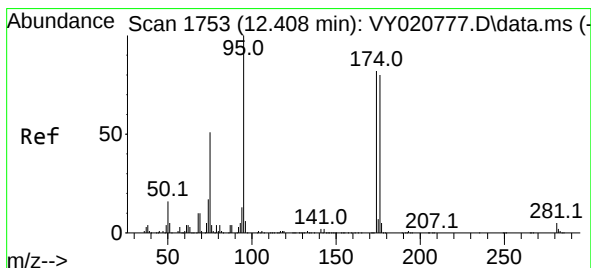
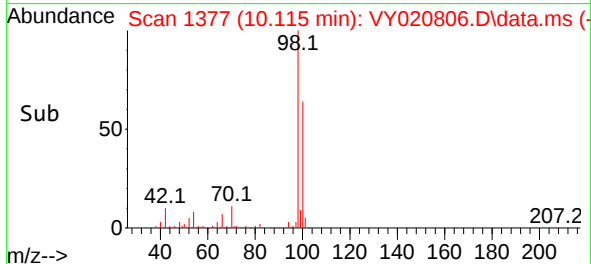
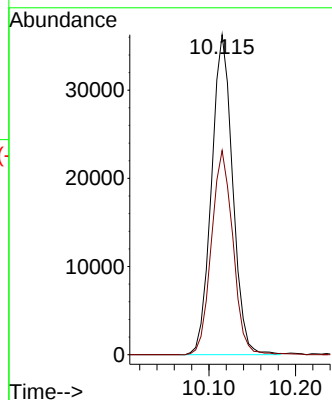
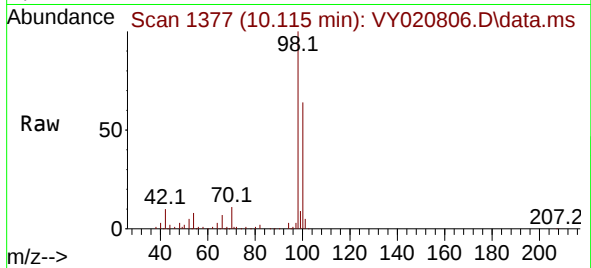




#50
Toluene-d8
Concen: 50.491 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

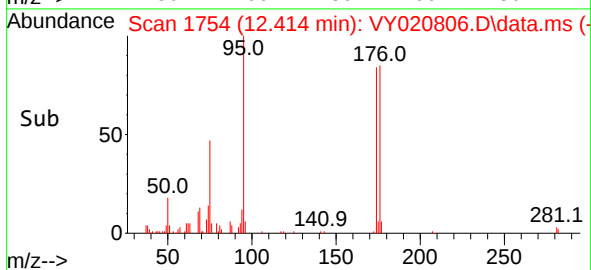
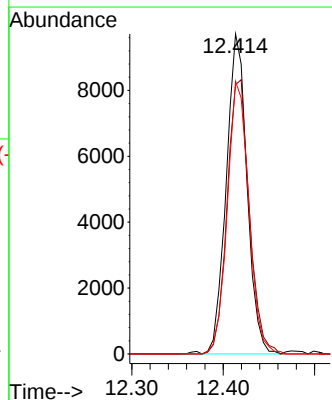
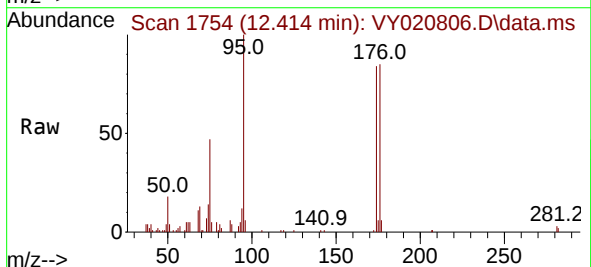
Instrument :
MSVOA_Y
ClientSampleId :

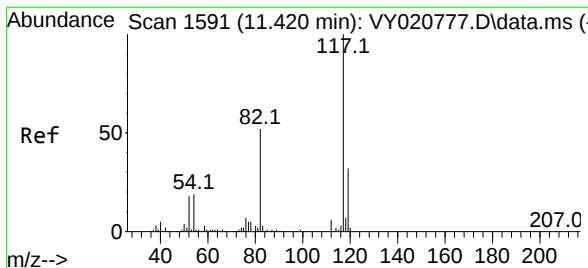
Tgt Ion: 98 Resp: 61552
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 34.126 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 95 Resp: 15363
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.0
176 88.1 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020806.D

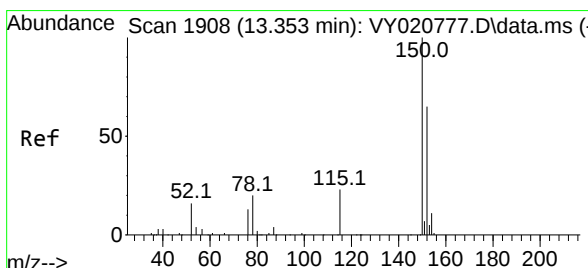
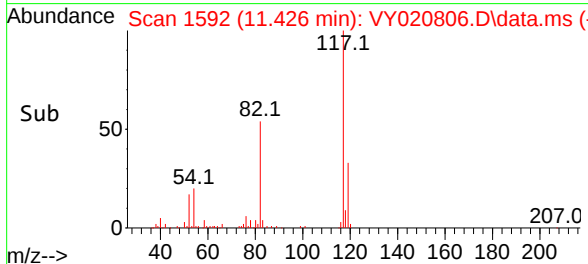
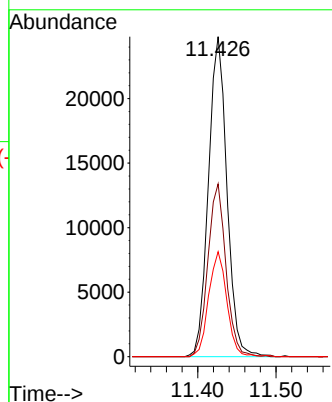
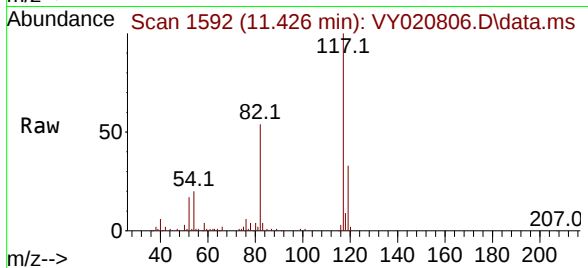
Acq: 08 Jan 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	40647
Ion Ratio	Lower	Upper
117	100	
82	54.0	41.8 62.6
119	32.8	25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

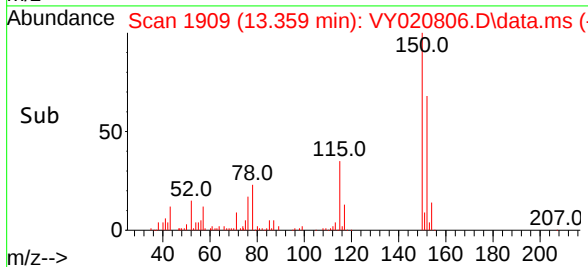
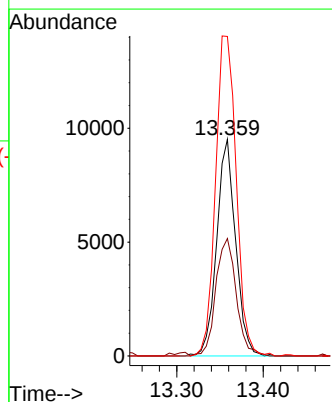
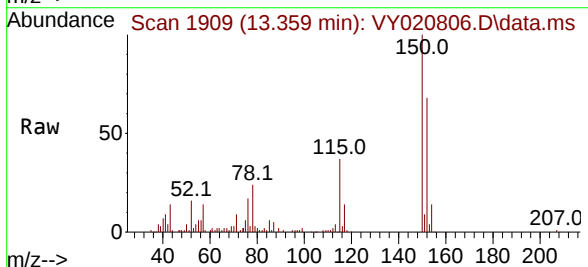
RT: 13.359 min Scan# 1909

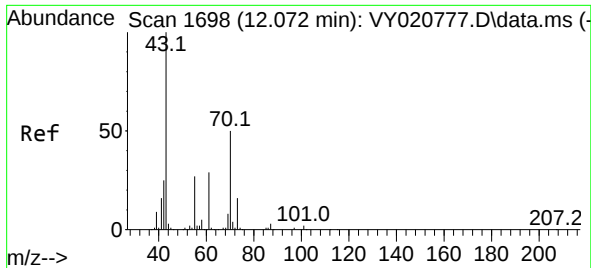
Delta R.T. 0.006 min

Lab File: VY020806.D

Acq: 08 Jan 2025 13:00

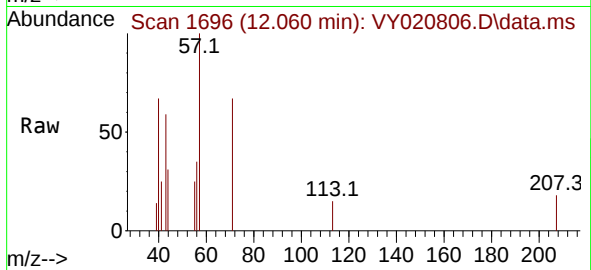
Tgt Ion:152	Resp:	14452
Ion Ratio	Lower	Upper
152	100	
115	58.7	29.0 87.0
150	161.4	0.0 347.4



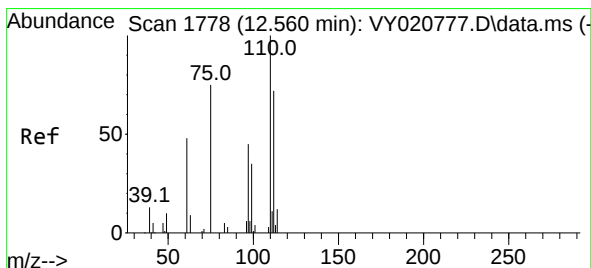
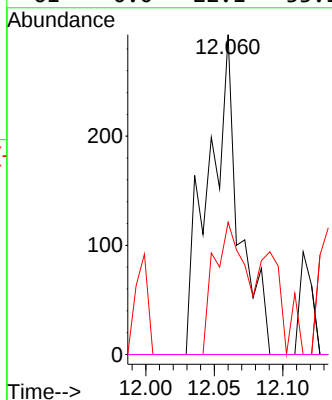
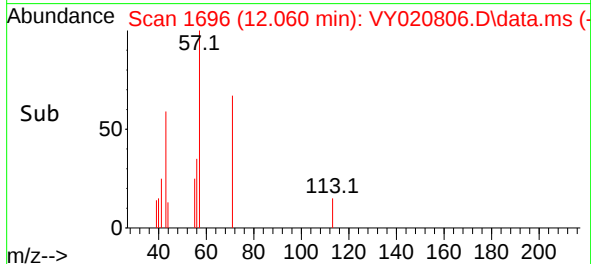


#74
N-amy1 acetate
Concen: 2.447 ug/l
RT: 12.060 min Scan# 1754
Delta R.T. -0.012 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :

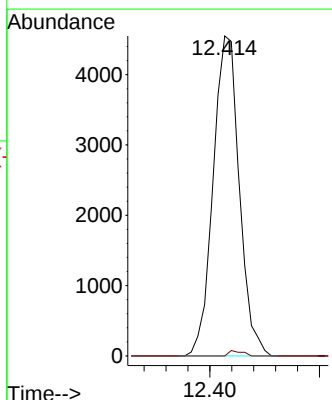
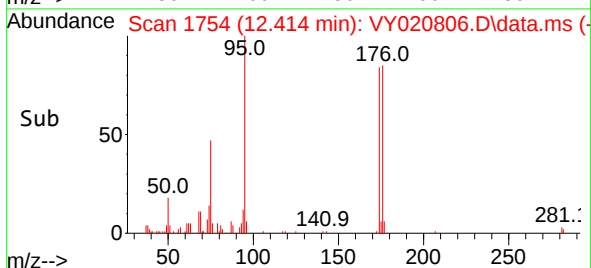
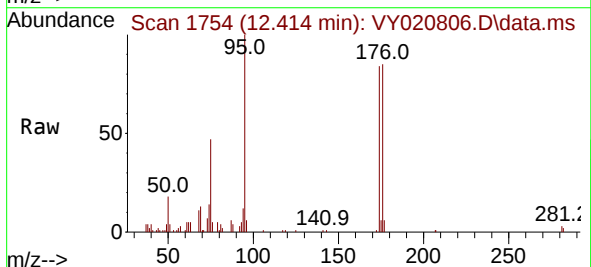


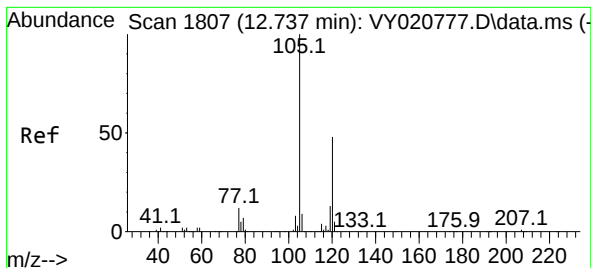
Tgt Ion: 43	Resp: 459
Ion Ratio	Lower Upper
43	100
70	0.0 40.2 60.4#
55	41.8 21.2 31.8#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 59.675 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 75	Resp: 7546
Ion Ratio	Lower Upper
75	100
77	0.9 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 2.535 ug/l

RT: 12.749 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY020806.D

Acq: 08 Jan 2025 13:00

Instrument :

MSVOA_Y

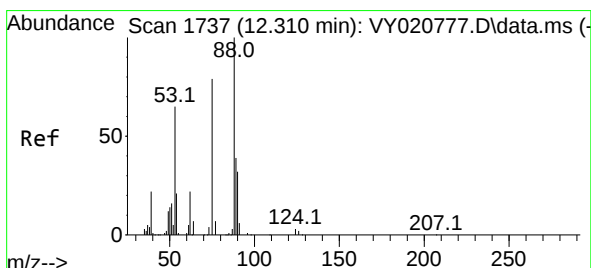
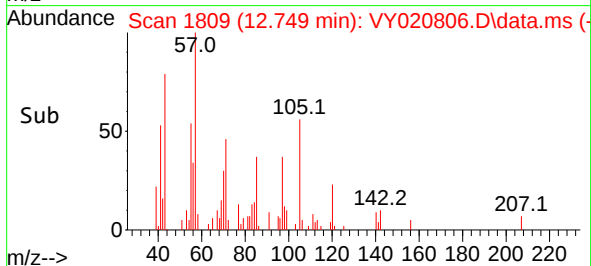
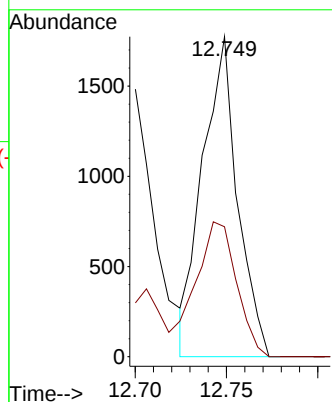
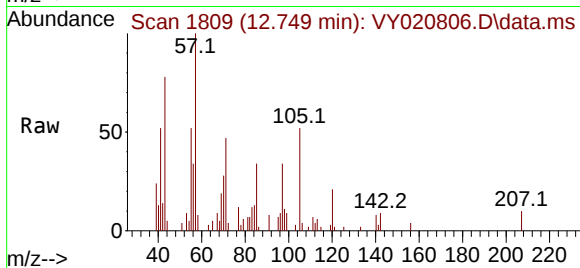
ClientSampleId :

Tgt Ion:105 Resp: 2355

Ion Ratio Lower Upper

105 100

120 49.8 24.5 73.5



#81

trans-1,4-Dichloro-2-butene

Concen: 125.826 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.104 min

Lab File: VY020806.D

Acq: 08 Jan 2025 13:00

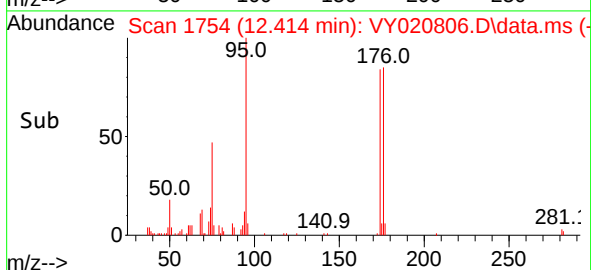
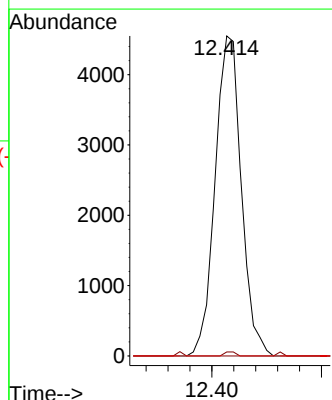
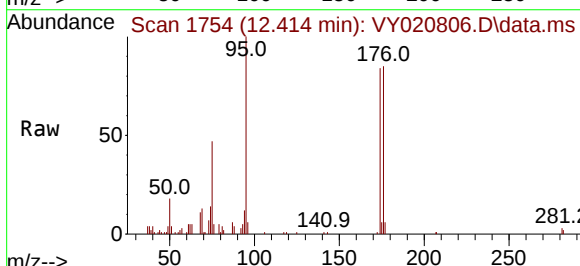
Tgt Ion: 75 Resp: 7546

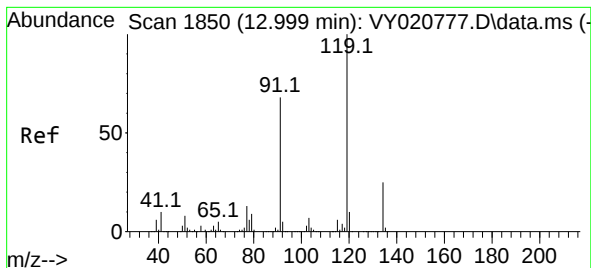
Ion Ratio Lower Upper

75 100

53 0.6 69.4 104.0#

89 0.0 39.6 59.4#





#83

tert-Butylbenzene

Concen: 1.224 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.049 min

Lab File: VY020806.D

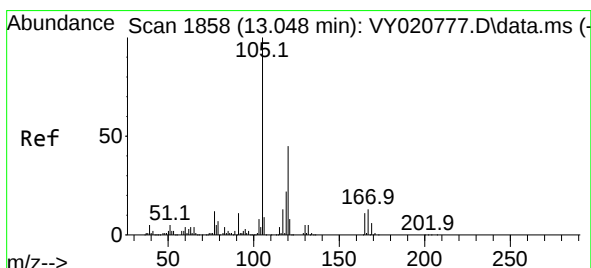
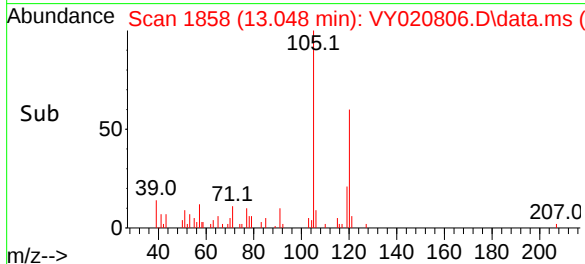
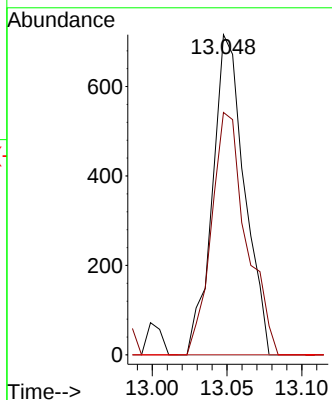
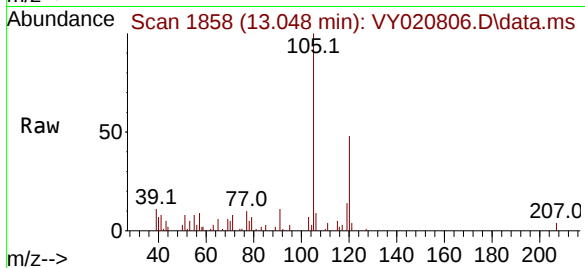
Acq: 08 Jan 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	1064
Ion Ratio	Lower	Upper
119	100	
91	82.3	33.0 98.9
134	0.0	13.7 41.1#



#84

1,2,4-Trimethylbenzene

Concen: 9.135 ug/l

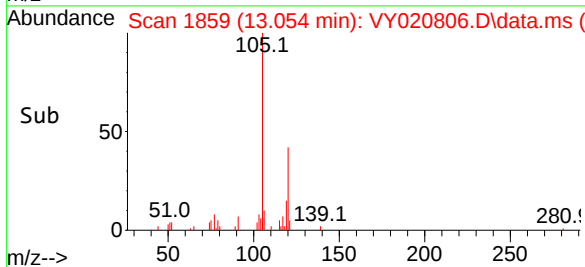
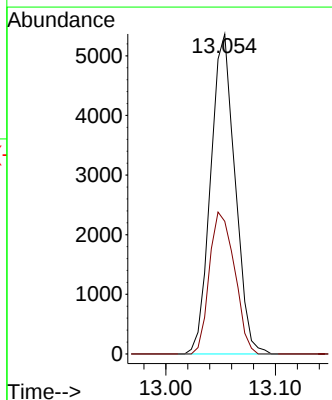
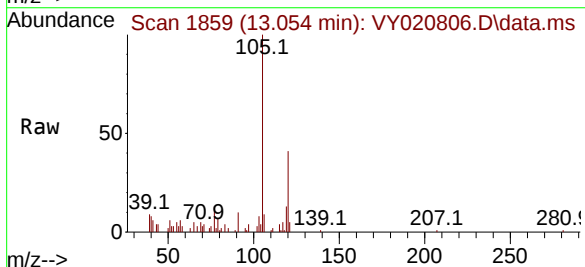
RT: 13.054 min Scan# 1859

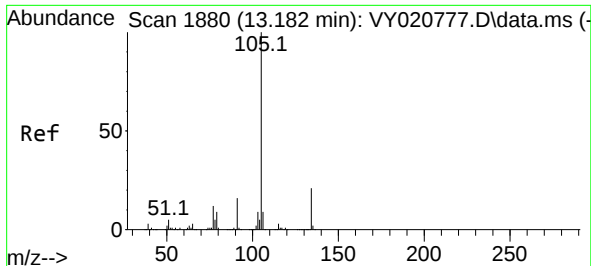
Delta R.T. 0.006 min

Lab File: VY020806.D

Acq: 08 Jan 2025 13:00

Tgt Ion:105	Resp:	8289
Ion Ratio	Lower	Upper
105	100	
120	45.8	22.4 67.2

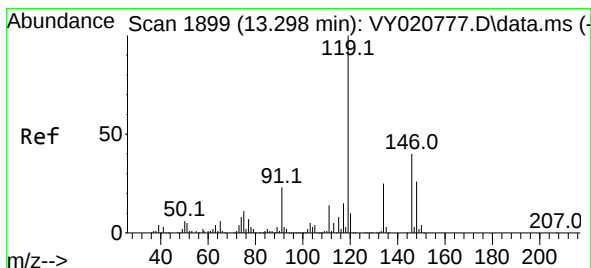
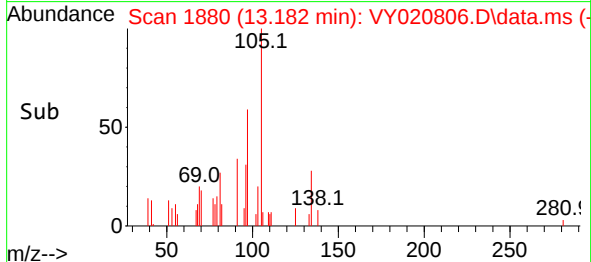
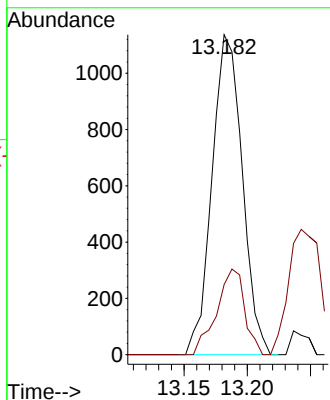
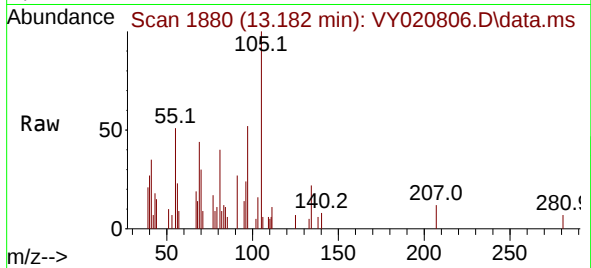




#85
 sec-Butylbenzene
 Concen: 1.558 ug/l
 RT: 13.182 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY020806.D
 Acq: 08 Jan 2025 13:00

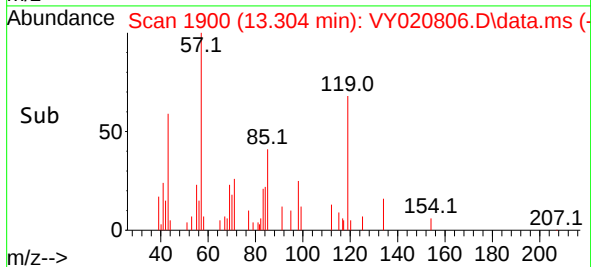
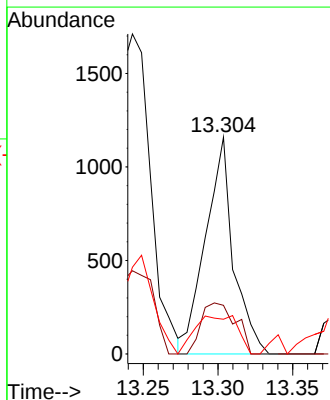
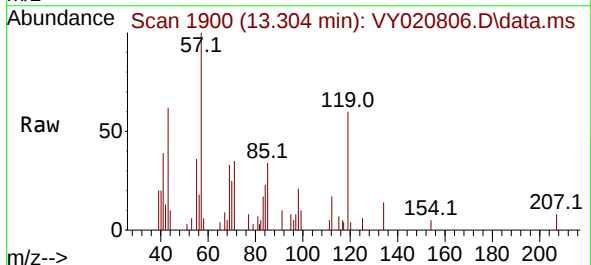
Instrument :
 MSVOA_Y
 ClientSampleId :

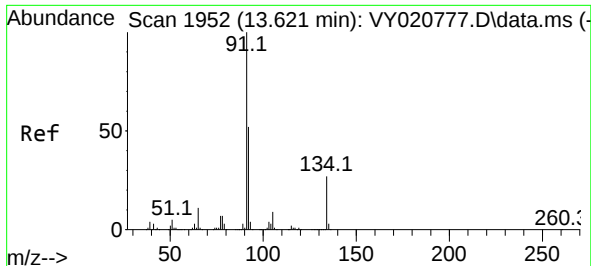
Tgt Ion:105 Resp: 1891
 Ion Ratio Lower Upper
 105 100
 134 24.7 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 1.452 ug/l
 RT: 13.304 min Scan# 1900
 Delta R.T. 0.006 min
 Lab File: VY020806.D
 Acq: 08 Jan 2025 13:00

Tgt Ion:119 Resp: 1504
 Ion Ratio Lower Upper
 119 100
 134 29.4 13.0 38.9
 91 26.9 11.8 35.3

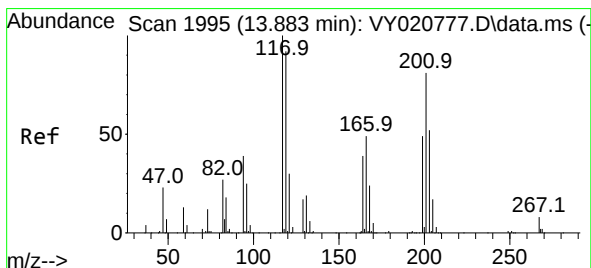
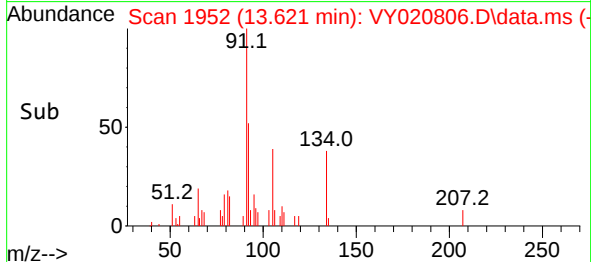
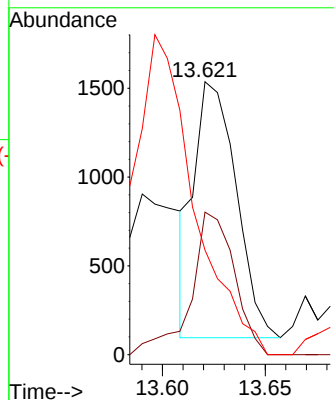
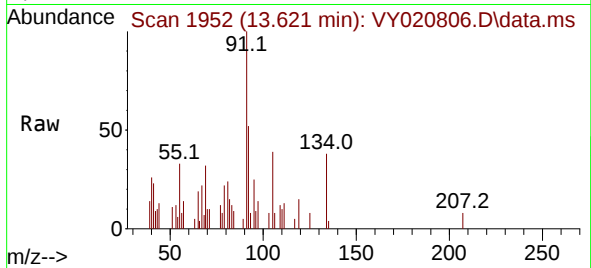




#89
n-Butylbenzene
Concen: 2.269 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

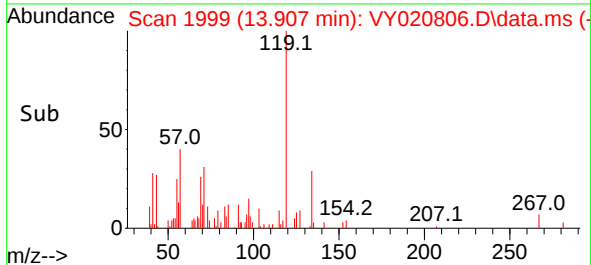
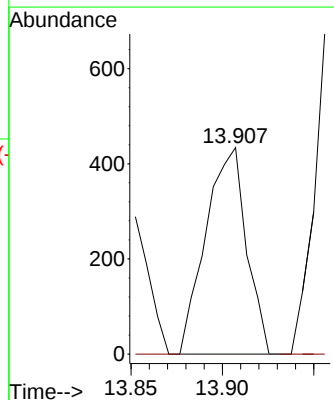
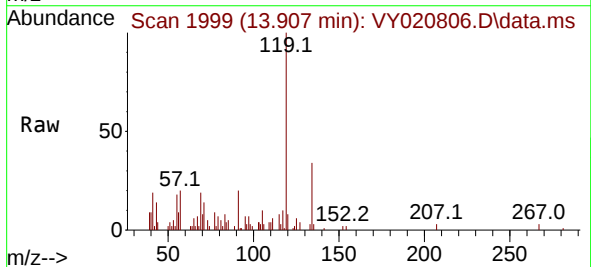
Instrument :
MSVOA_Y
ClientSampleId :

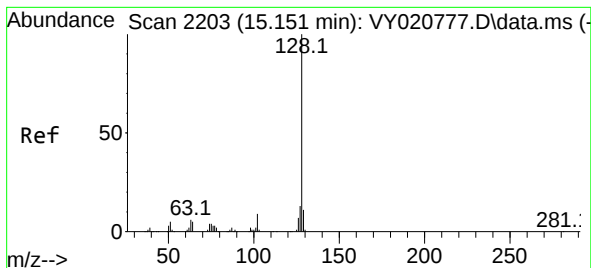
Tgt Ion: 91 Resp: 2038
Ion Ratio Lower Upper
91 100
92 57.7 26.5 79.4
134 0.0 13.8 41.4#



#90
Hexachloroethane
Concen: 3.232 ug/l
RT: 13.907 min Scan# 1999
Delta R.T. 0.024 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 117 Resp: 672
Ion Ratio Lower Upper
117 100
201 0.0 42.9 128.7#





#95

Naphthalene

Concen: 4.328 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY020806.D

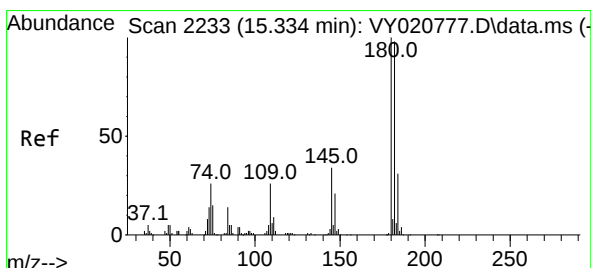
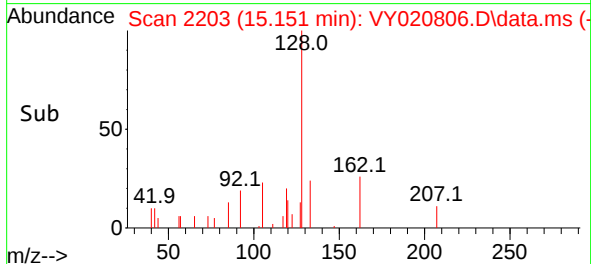
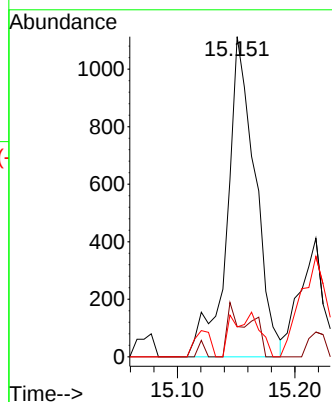
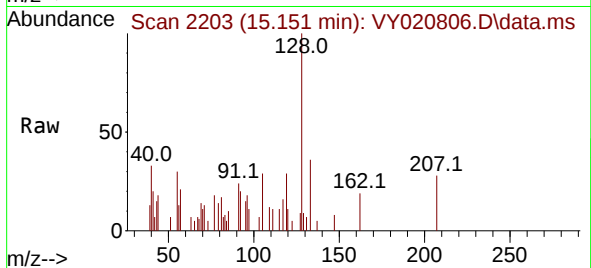
Acq: 08 Jan 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	1841
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.5 15.7
129	13.5	8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.076 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY020806.D

Acq: 08 Jan 2025 13:00

Tgt Ion:180	Resp:	233
Ion Ratio	Lower	Upper
180	100	
182	39.1	48.1 144.3#
145	231.3	16.1 48.2#

