

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021991.D
 Acq On : 24 Apr 2025 10:38
 Operator : SY/MD
 Sample : Q1855-01
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2001

Quant Time: Apr 25 01:23:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

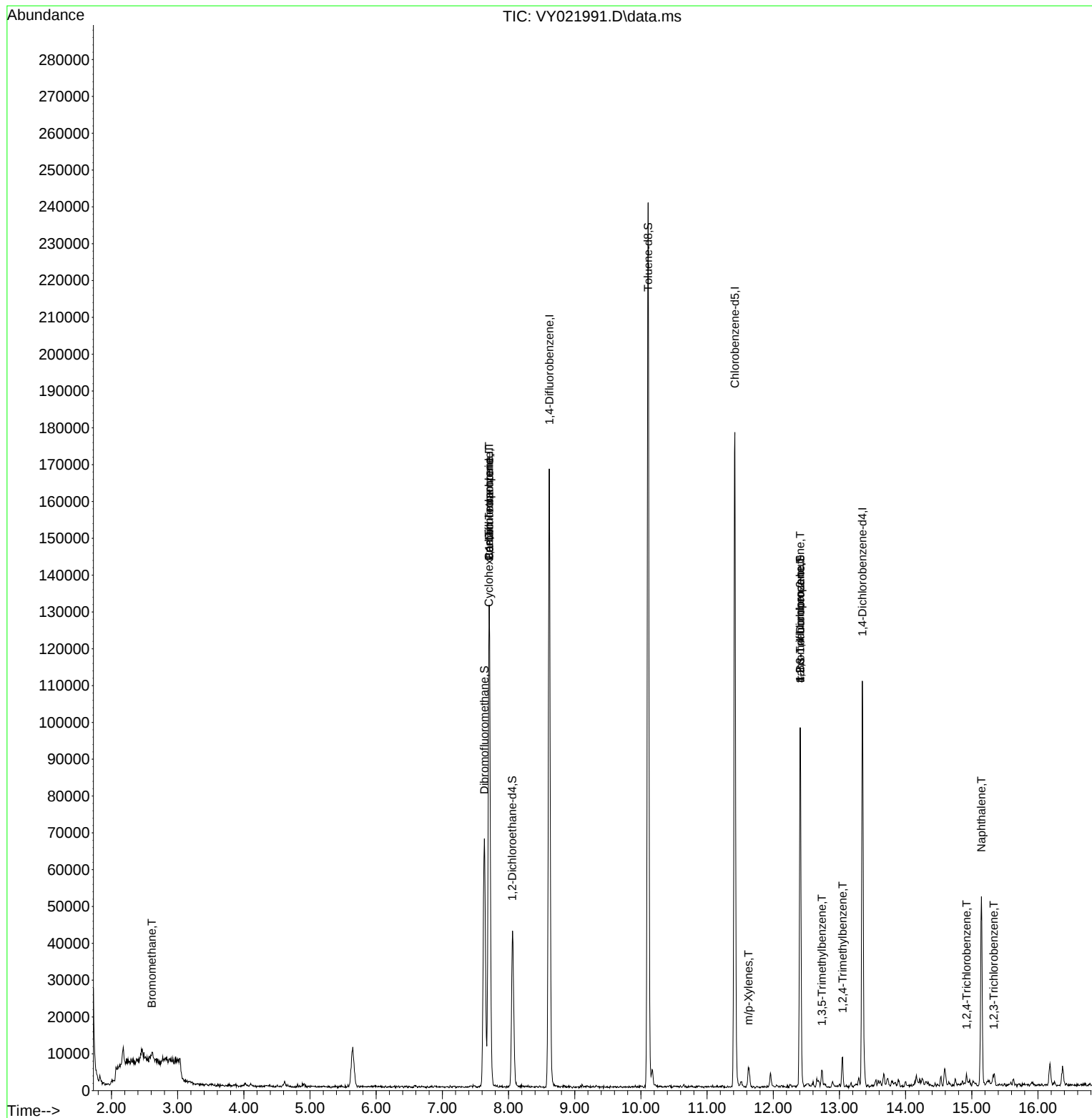
Internal Standards						
1) Pentafluorobenzene	7.707	168	102265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	144413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	102130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	28798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	33815	35.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.600%		
35) Dibromofluoromethane	7.634	113	48252	50.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.140%		
50) Toluene-d8	10.109	98	163005	45.319	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.640%		
62) 4-Bromofluorobenzene	12.408	95	30583	25.258	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	50.520%		
Target Compounds			Qvalue			
5) Bromomethane	2.611	94	1949	1.484	ug/l #	63
16) Acetone	3.866	43	346	Below Cal	#	41
31) Cyclohexane	7.701	56	2037	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	7866	6.138	ug/l #	48
38) Carbon Tetrachloride	7.707	117	10352	6.760	ug/l #	18
68) m/p-Xylenes	11.627	106	1754	1.180	ug/l	95
76) 1,2,3-Trichloropropane	12.408	75	15325	62.128	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	1690	1.066	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.408	75	15325	149.613	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.048	105	3827	2.414	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	807	1.654	ug/l #	81
95) Naphthalene	15.145	128	40952	50.514	ug/l	97
96) 1,2,3-Trichlorobenzene	15.334	180	942	2.236	ug/l	88

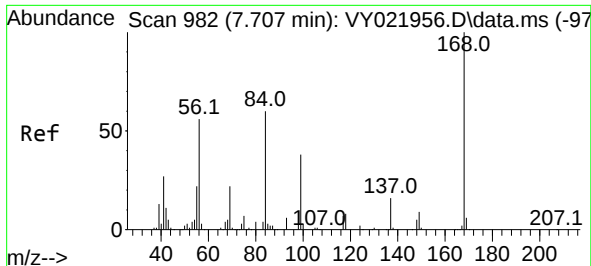
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
Data File : VY021991.D
Acq On : 24 Apr 2025 10:38
Operator : SY/MD
Sample : Q1855-01
Misc : 5.58g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
2001

Quant Time: Apr 25 01:23:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

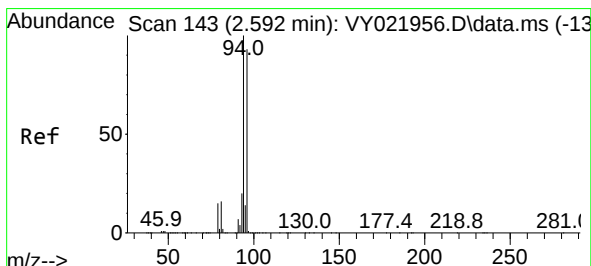
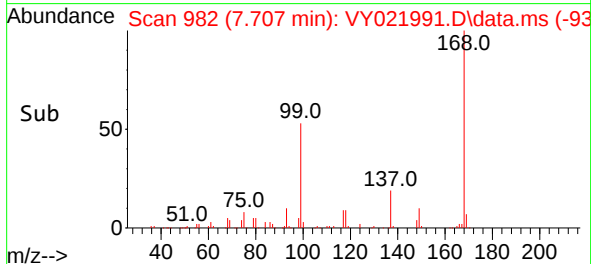
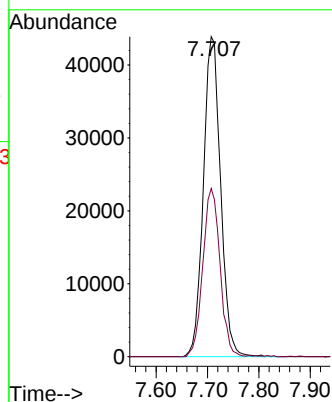
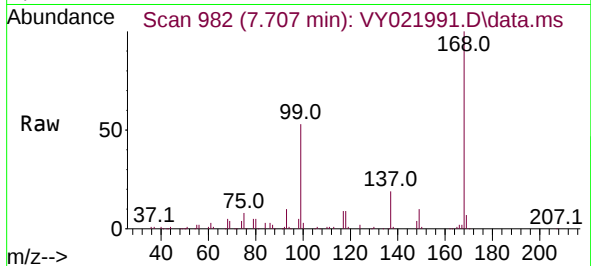




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

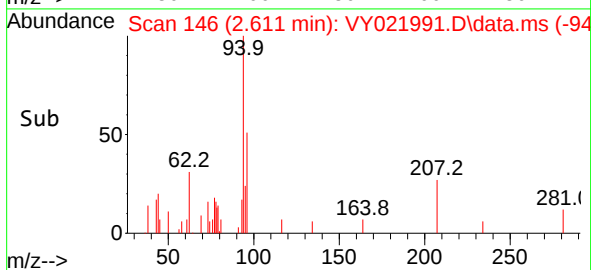
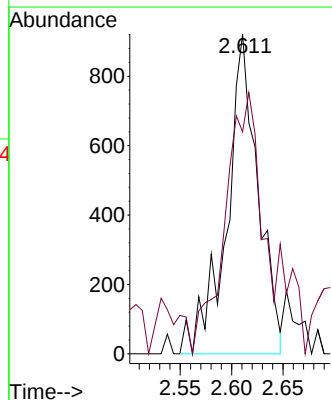
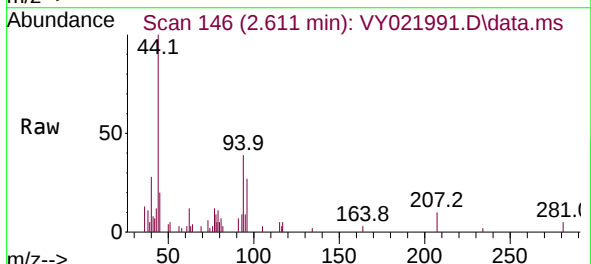
Instrument :
MSVOA_Y
ClientSampleId :
2001

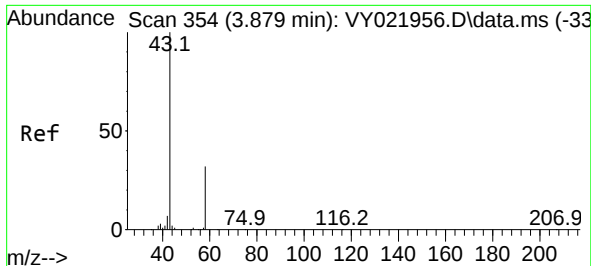
Tgt Ion:168 Resp: 102265
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#5
Bromomethane
Concen: 1.484 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 94 Resp: 1949
Ion Ratio Lower Upper
94 100
96 57.4 74.6 111.8#

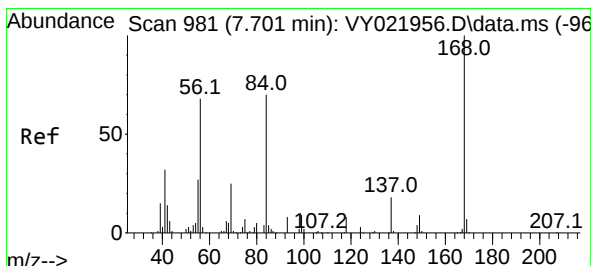
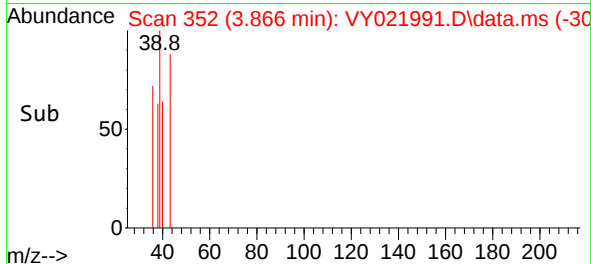
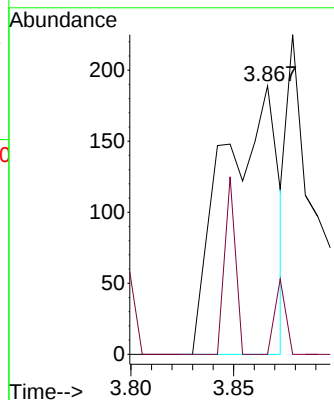
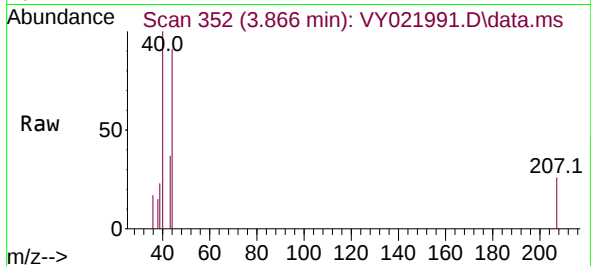




#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

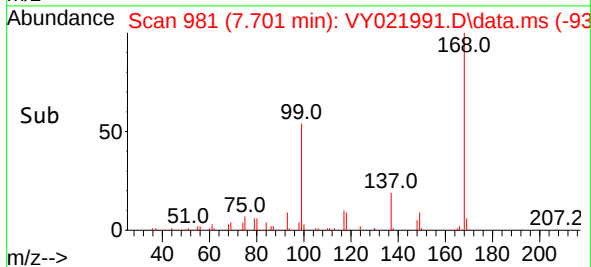
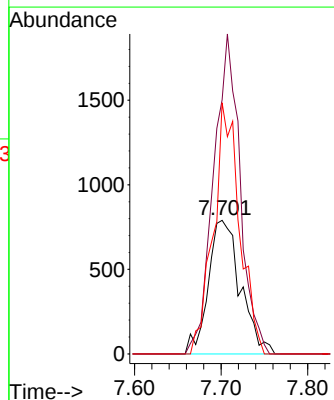
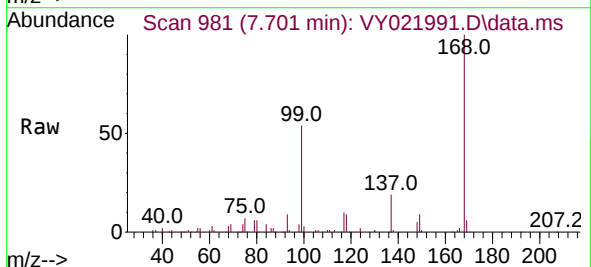
Instrument :
MSVOA_Y
ClientSampleId :
2001

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 56 Resp: 2037
Ion Ratio Lower Upper
56 100
69 190.1 29.4 44.2#
84 188.0 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 35.798 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

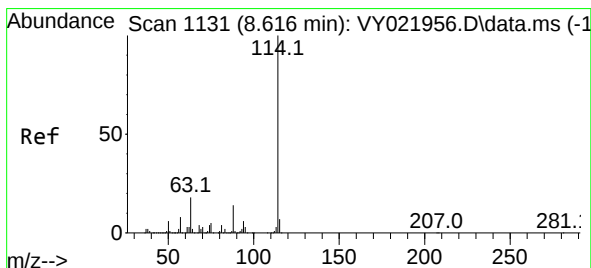
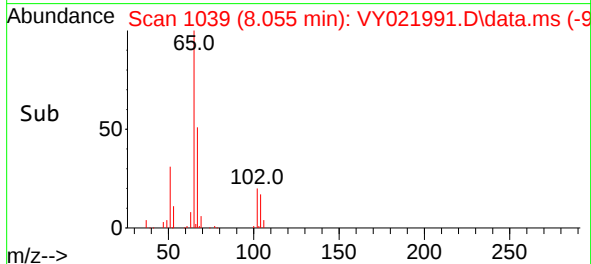
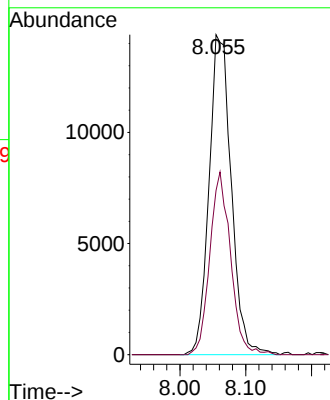
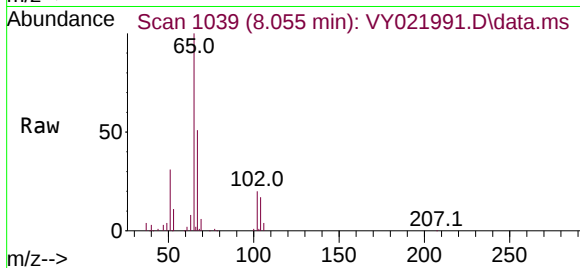
2001

Tgt Ion: 65 Resp: 33815

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

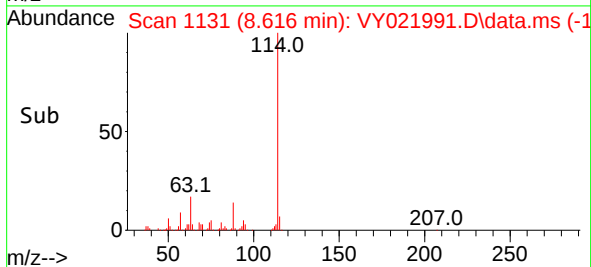
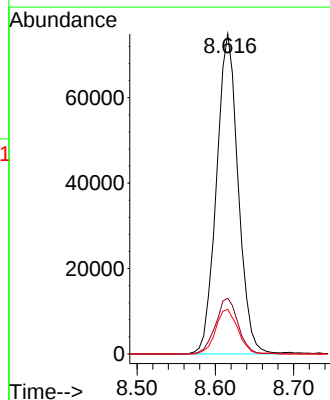
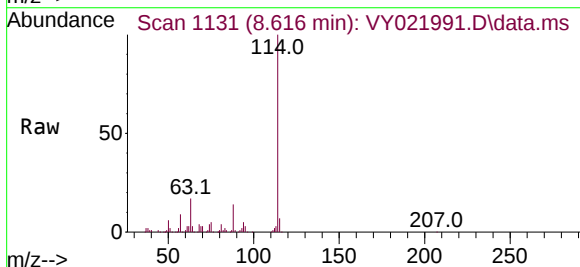
Tgt Ion:114 Resp: 144413

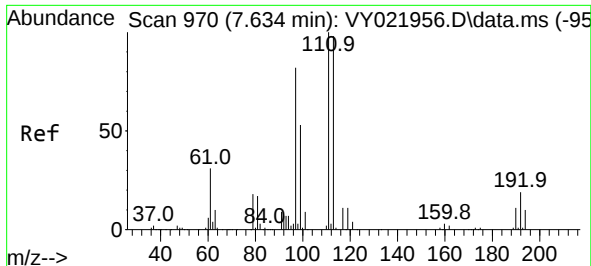
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.0 0.0 28.2

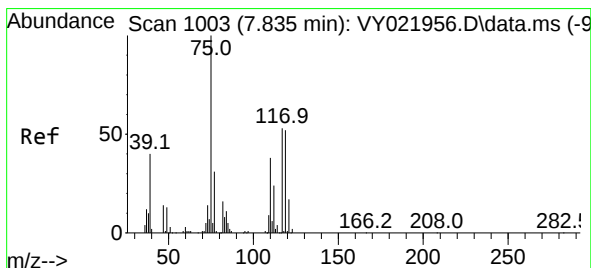
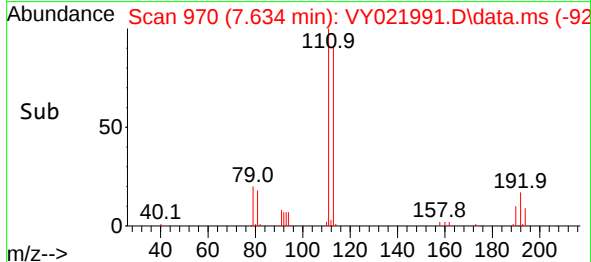
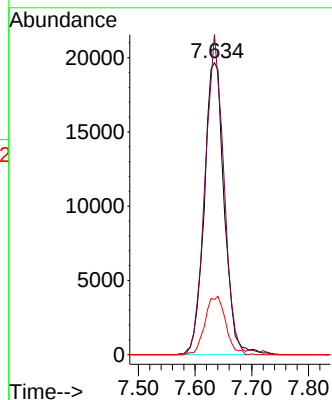
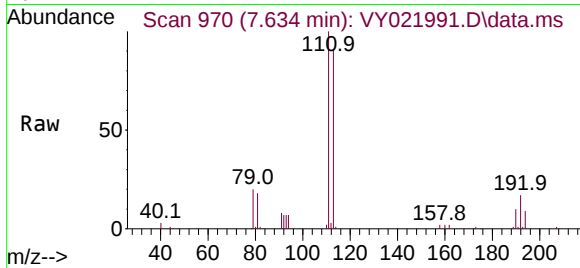




#35
Dibromofluoromethane
Concen: 50.575 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

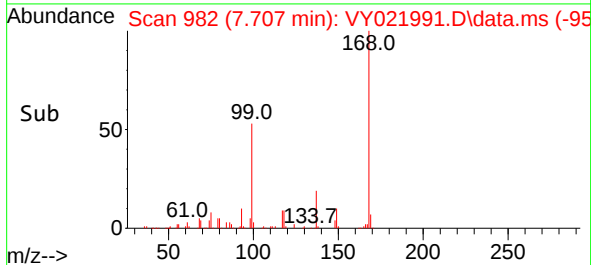
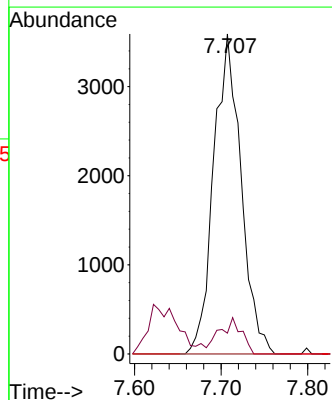
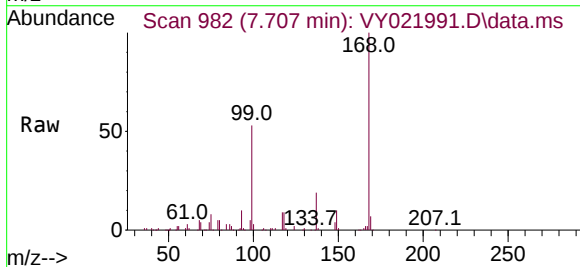
Instrument :
MSVOA_Y
ClientSampleId :
2001

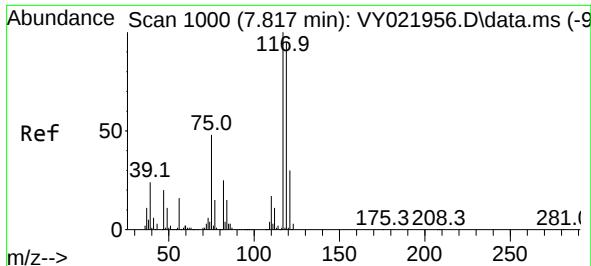
Tgt Ion:113 Resp: 48252
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 20.5 15.6 23.4



#36
1,1-Dichloropropene
Concen: 6.138 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 75 Resp: 7866
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.5 38.3#

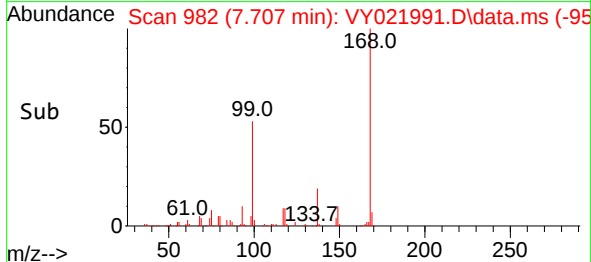
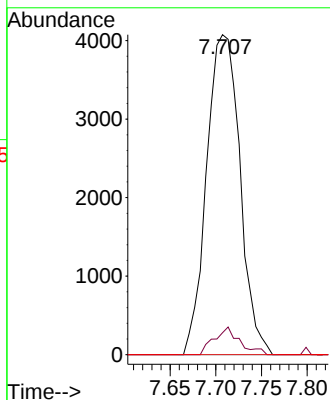
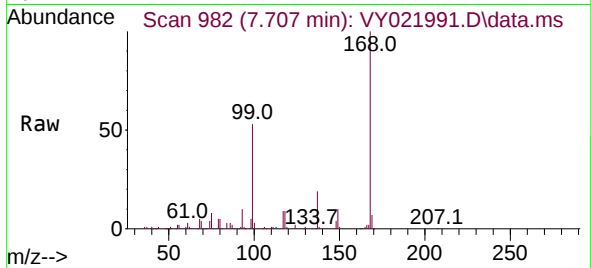




#38
Carbon Tetrachloride
Concen: 6.760 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

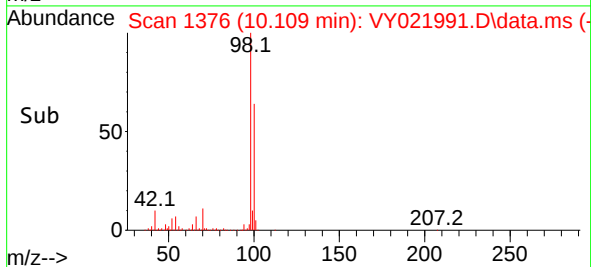
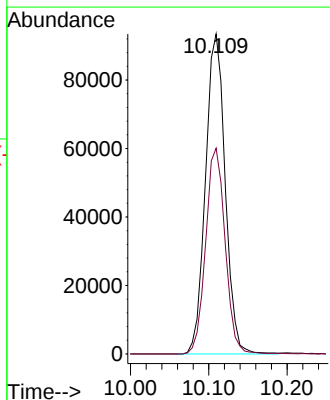
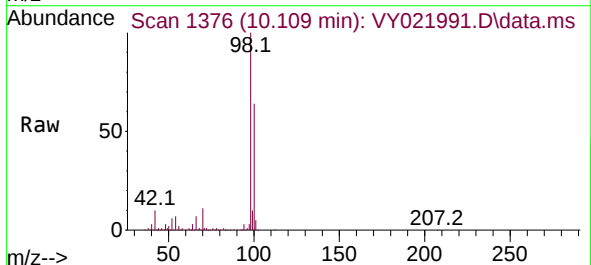
Instrument :
MSVOA_Y
ClientSampleId :
2001

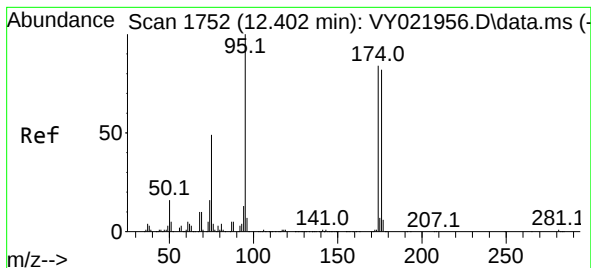
Tgt Ion:117 Resp: 10352
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.319 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 98 Resp: 163005
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

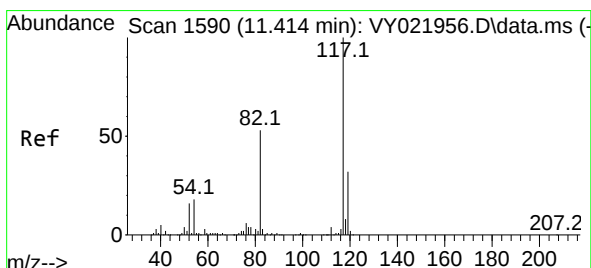
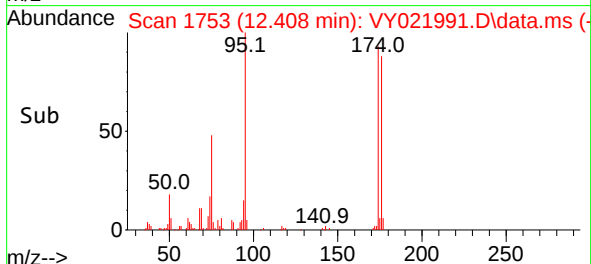
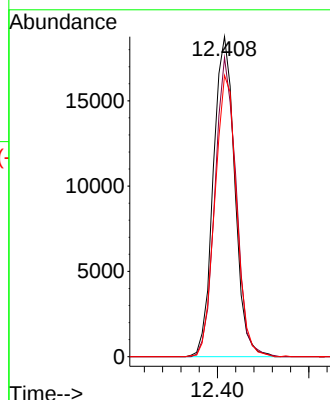
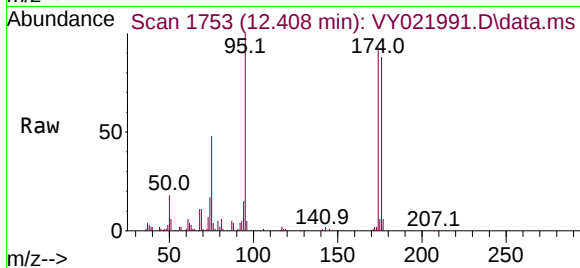




#62
4-Bromofluorobenzene
Concen: 25.258 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

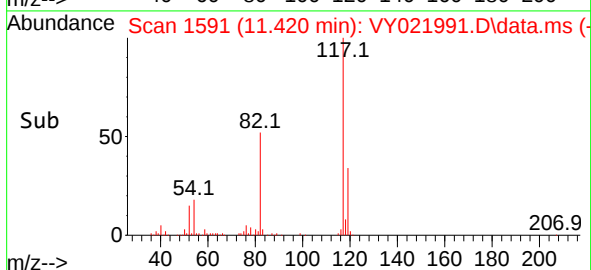
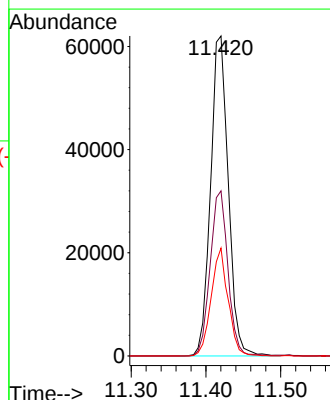
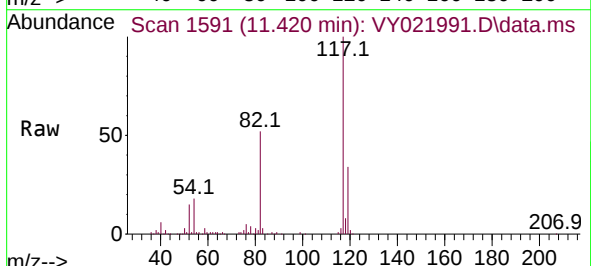
Instrument :
MSVOA_Y
ClientSampleId :
2001

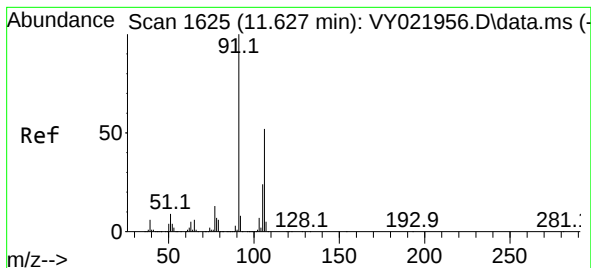
Tgt Ion: 95 Resp: 30583
Ion Ratio Lower Upper
95 100
174 91.9 0.0 179.0
176 89.0 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 117 Resp: 102130
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 33.7 25.7 38.5

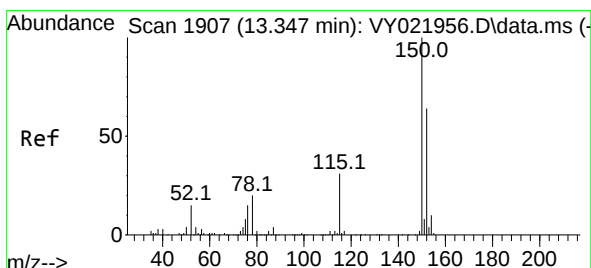
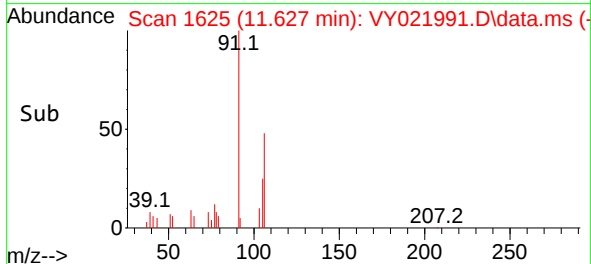
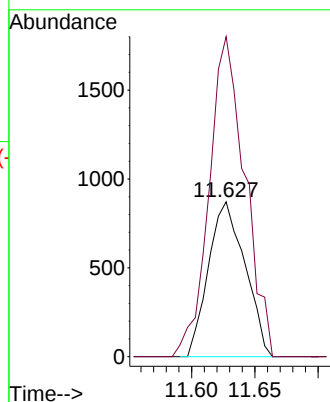
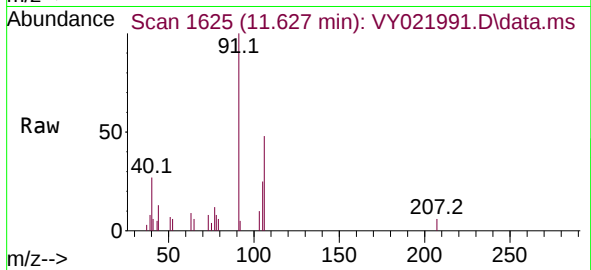




#68
m/p-Xylenes
Concen: 1.180 ug/l
RT: 11.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

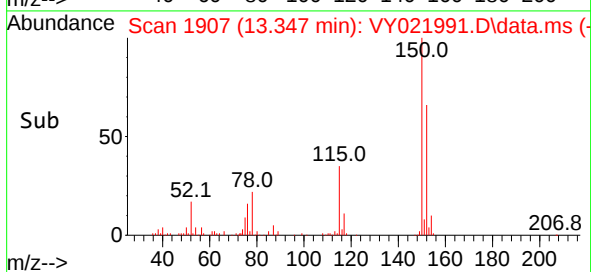
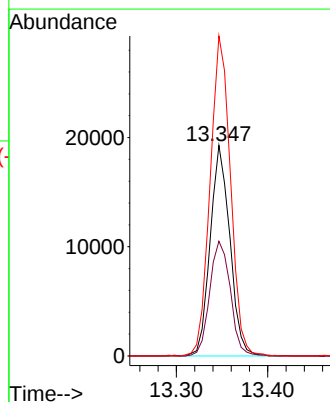
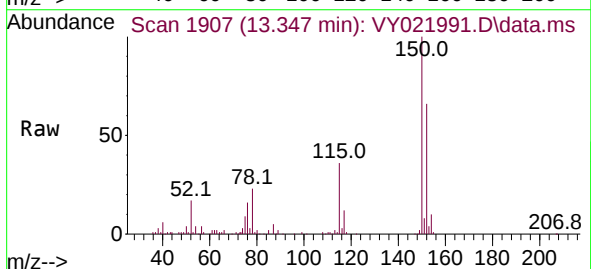
Instrument :
MSVOA_Y
ClientSampleId :
2001

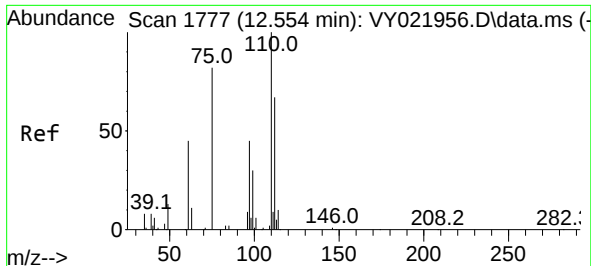
Tgt Ion:106 Resp: 1754
Ion Ratio Lower Upper
106 100
91 202.3 156.2 234.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion:152 Resp: 28798
Ion Ratio Lower Upper
152 100
115 57.0 28.0 84.0
150 157.1 0.0 345.6

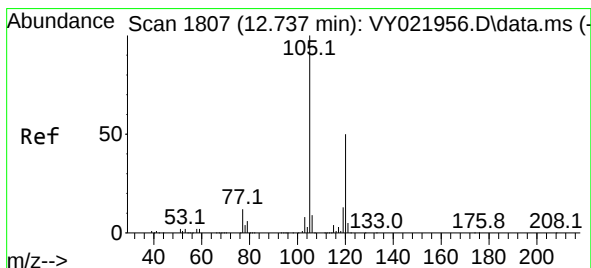
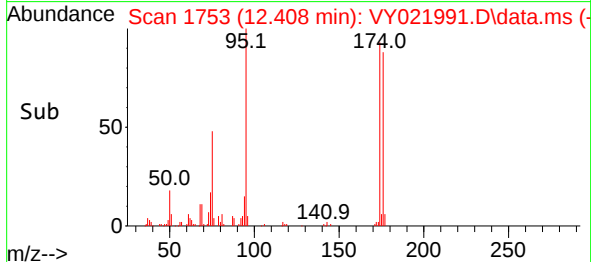
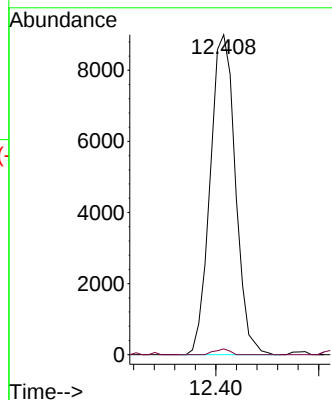
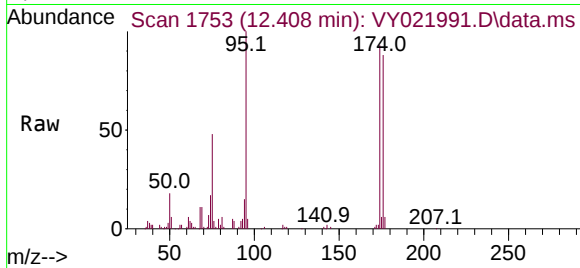




#76
 1,2,3-Trichloropropane
 Concen: 62.128 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. -0.146 min
 Lab File: VY021991.D
 Acq: 24 Apr 2025 10:38

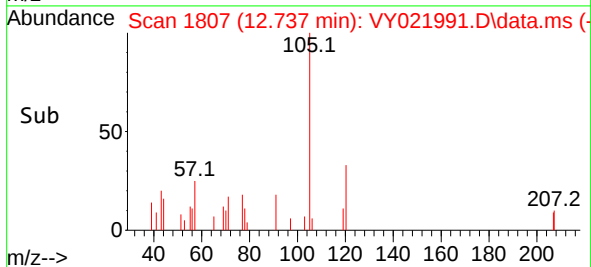
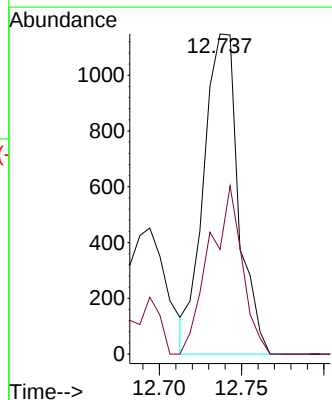
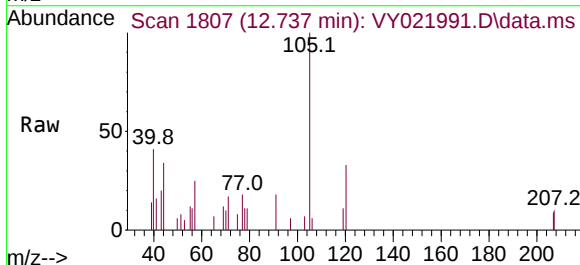
Instrument :
 MSVOA_Y
 ClientSampleId :
 2001

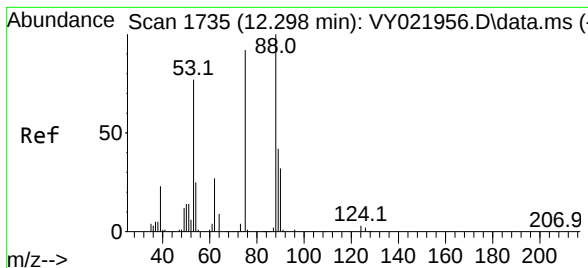
Tgt Ion: 75 Resp: 15325
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.066 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY021991.D
 Acq: 24 Apr 2025 10:38

Tgt Ion: 105 Resp: 1690
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.0 75.0

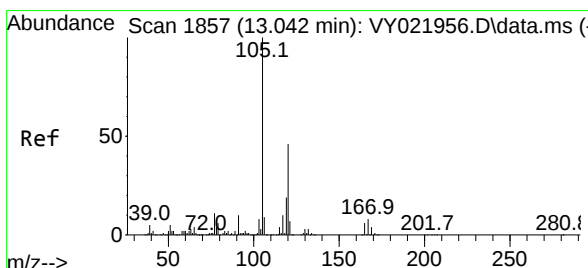
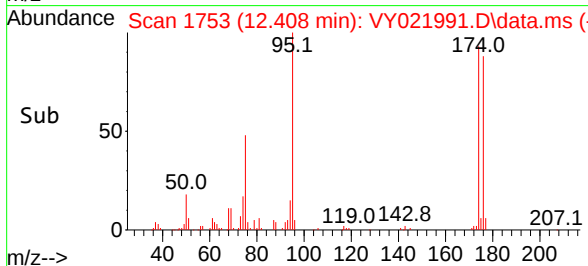
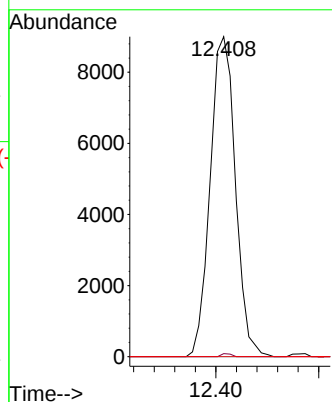
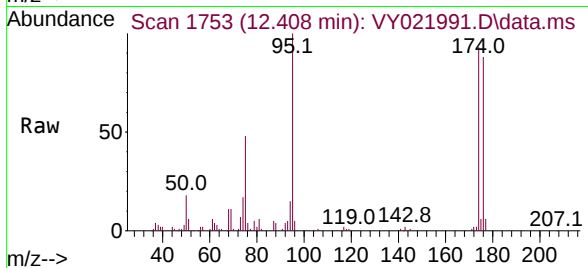




#81
trans-1,4-Dichloro-2-butene
Concen: 149.613 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

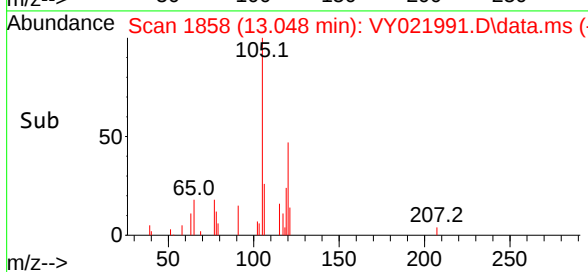
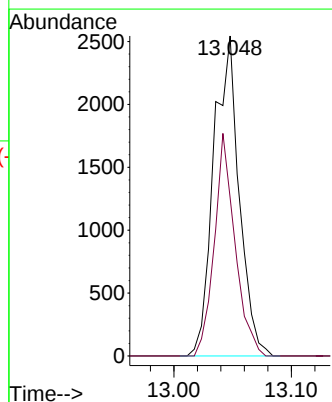
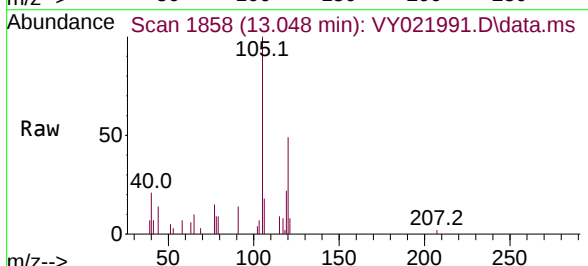
Instrument :
MSVOA_Y
ClientSampleId :
2001

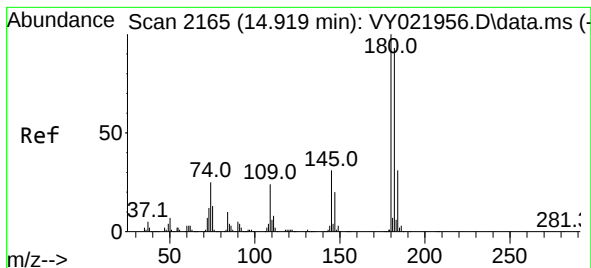
Tgt Ion: 75 Resp: 15325
Ion Ratio Lower Upper
75 100
53 0.4 66.0 99.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 2.414 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 105 Resp: 3827
Ion Ratio Lower Upper
105 100
120 56.4 23.4 70.0





#93

1,2,4-Trichlorobenzene

Concen: 1.654 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

2001

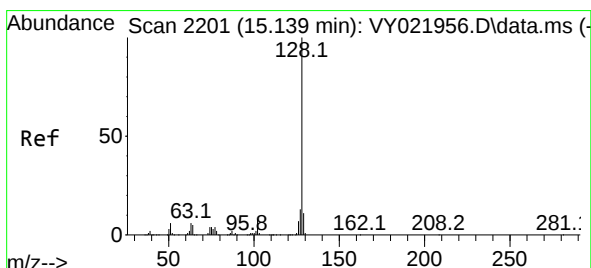
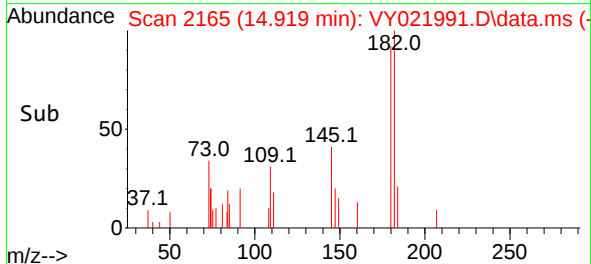
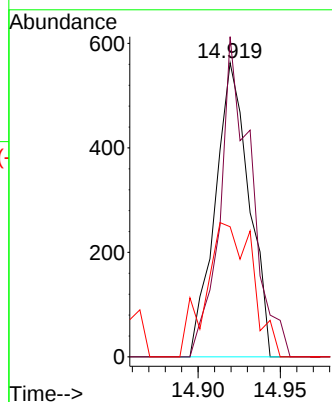
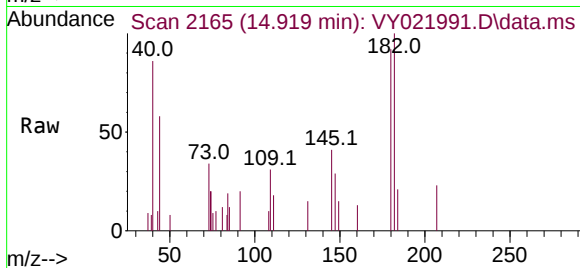
Tgt Ion:180 Resp: 807

Ion Ratio Lower Upper

180 100

182 100.2 47.1 141.4

145 62.3 15.0 45.0#



#95

Naphthalene

Concen: 50.514 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

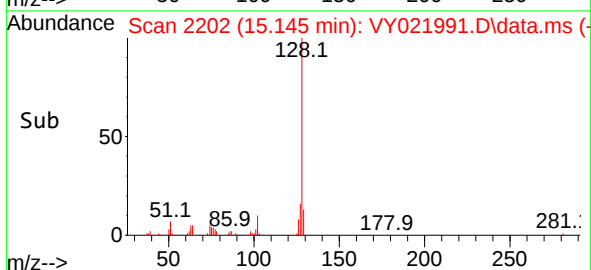
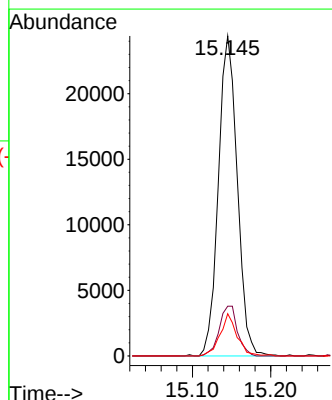
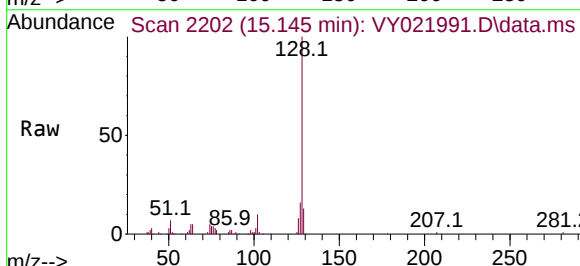
Tgt Ion:128 Resp: 40952

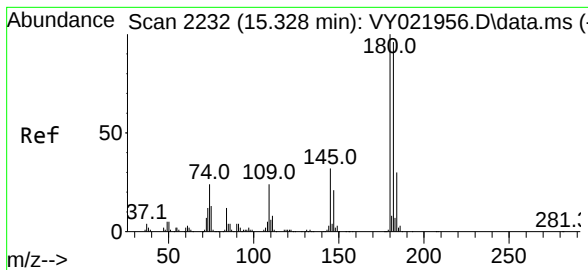
Ion Ratio Lower Upper

128 100

127 15.1 10.6 16.0

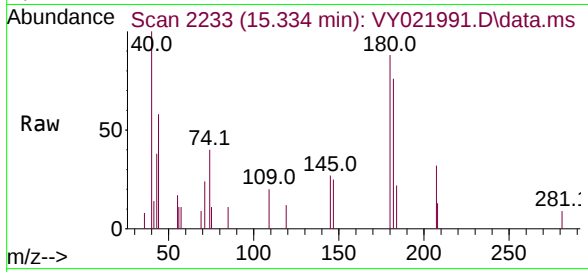
129 11.9 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.236 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY021991.D
 Acq: 24 Apr 2025 10:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 2001



Tgt Ion:	180	Resp:	942
Ion	Ratio	Lower	Upper
180	100		
182	106.4	48.1	144.4
145	41.6	16.0	48.0

