

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010725\
 Data File : VY020793.D
 Acq On : 07 Jan 2025 14:59
 Operator : SY/MD
 Sample : Q1027-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 08 00:54:58 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)

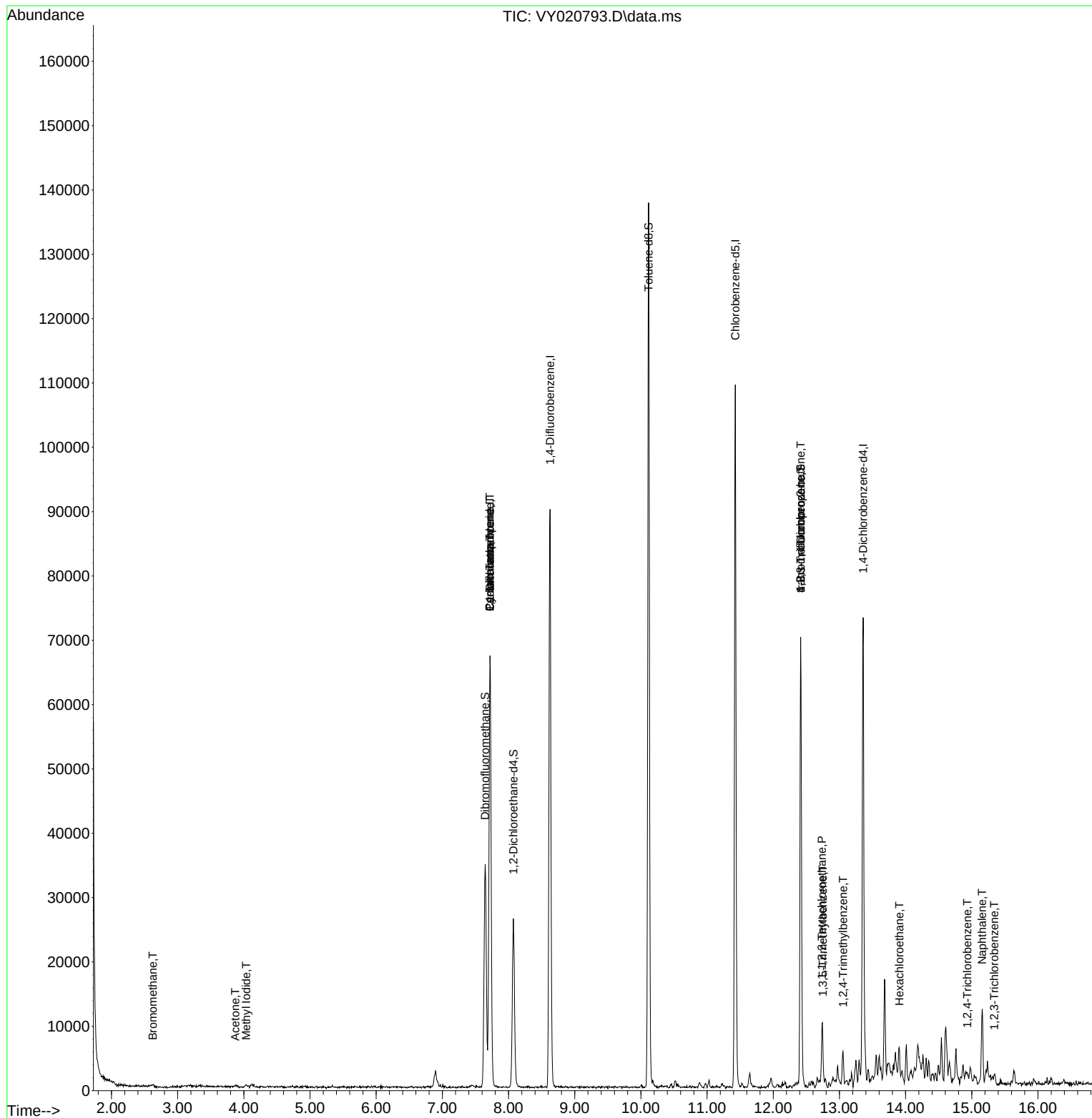
Internal Standards						
1) Pentafluorobenzene	7.719	168	54521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	82030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	61508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	19157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	21984	47.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.880%
35) Dibromofluoromethane	7.646	113	25451	49.524	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.040%
50) Toluene-d8	10.115	98	91583	51.121	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.414	95	23031	34.813	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	69.620%
Target Compounds						
					Qvalue	
5) Bromomethane	2.623	94	250	1.499	ug/l	83
10) Methyl Iodide	4.037	142	536	1.030	ug/l #	59
16) Acetone	3.872	43	183	2.777	ug/l #	41
31) Cyclohexane	7.719	56	819	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	3519	5.368	ug/l #	51
38) Carbon Tetrachloride	7.719	117	5395	5.913	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.737	83	303	1.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	11123	66.359	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.749	105	1582	1.284	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.414	75	11123	139.919	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.054	105	3310	2.752	ug/l	92
90) Hexachloroethane	13.907	117	302	1.096	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.931	180	609	1.778	ug/l #	60
95) Naphthalene	15.157	128	9754	17.299	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	558	1.944	ug/l #	77

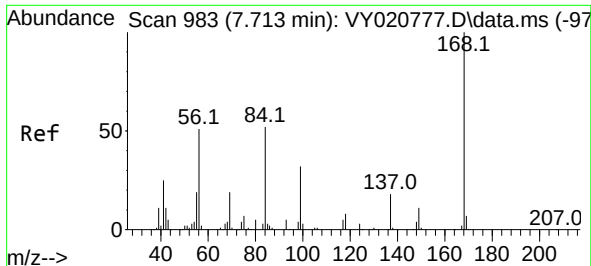
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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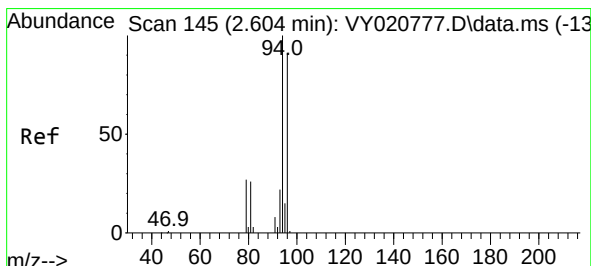
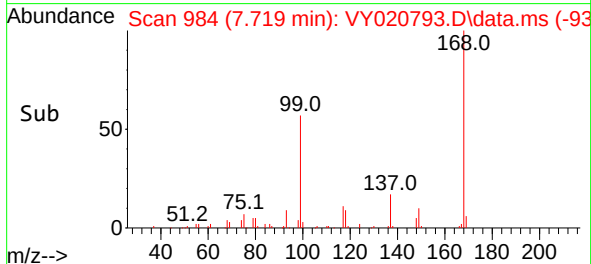
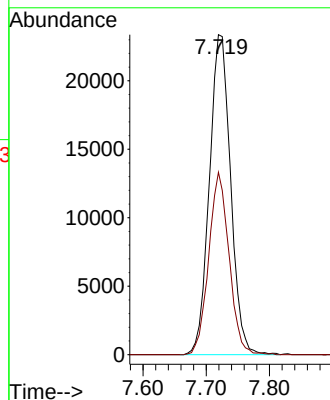
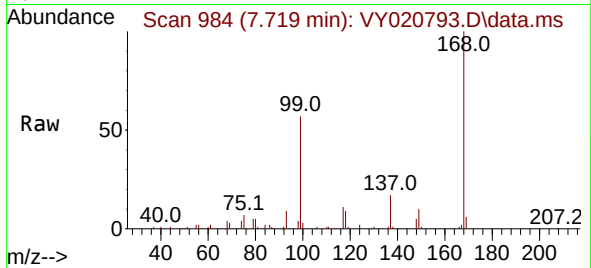




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

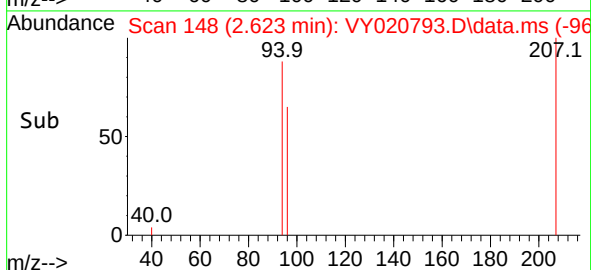
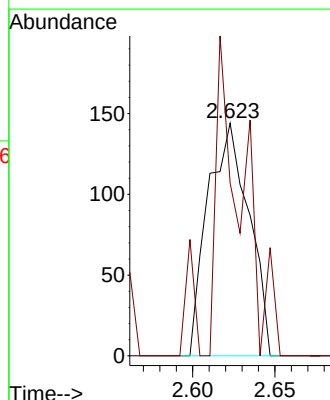
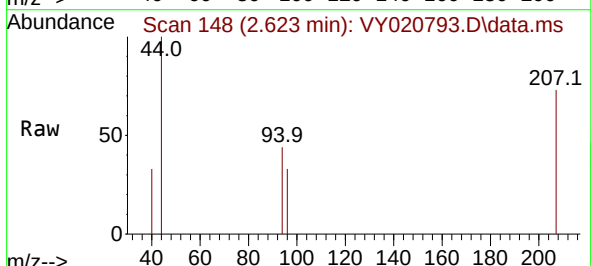
Instrument :
MSVOA_Y
ClientSampleId :

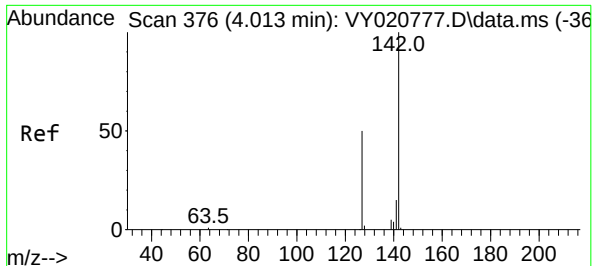
Tgt Ion:168 Resp: 54521
Ion Ratio Lower Upper
168 100
99 57.0 44.3 66.5



#5
Bromomethane
Concen: 1.499 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.018 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

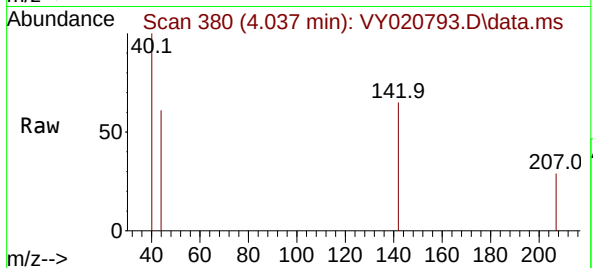
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 74.3 72.6 109.0



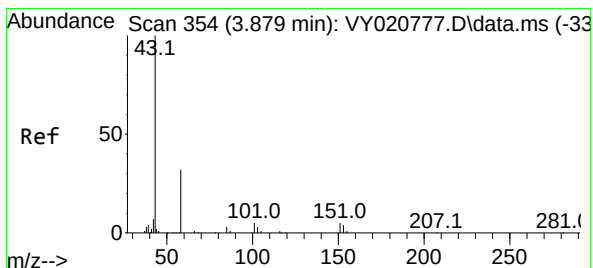
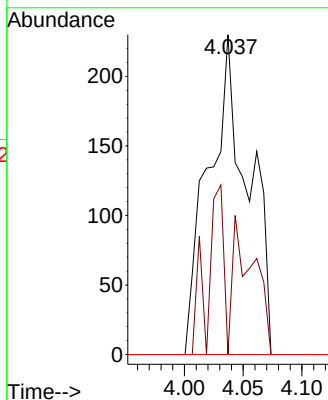
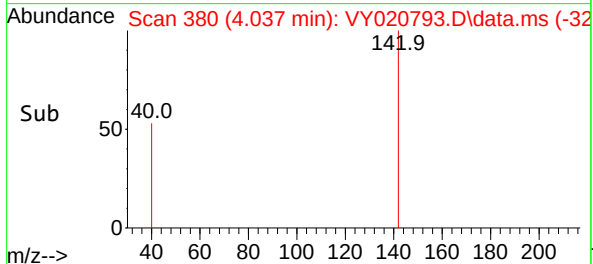


#10
Methyl Iodide
Concen: 1.030 ug/l
RT: 4.037 min Scan# 310
Delta R.T. 0.024 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

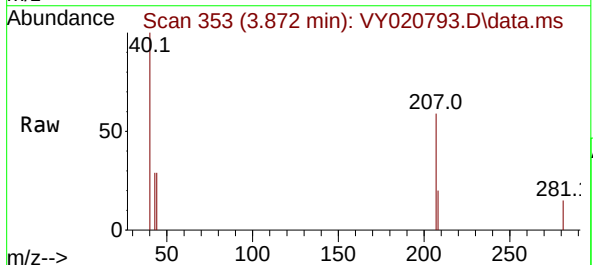
Instrument :
MSVOA_Y
ClientSampleId :



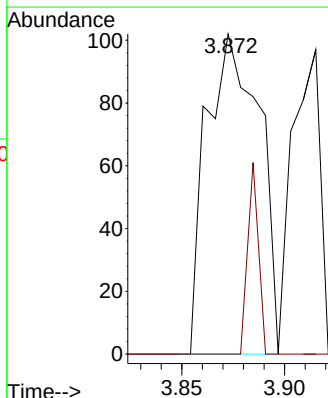
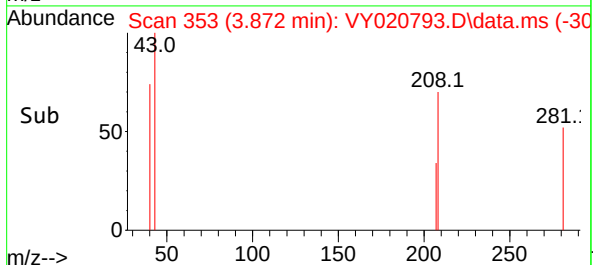
Tgt Ion:142 Resp: 536
Ion Ratio Lower Upper
142 100
127 21.8 41.0 61.6#
141 0.0 11.6 17.4#

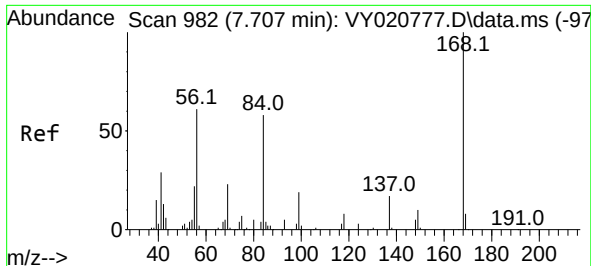


#16
Acetone
Concen: 2.777 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59



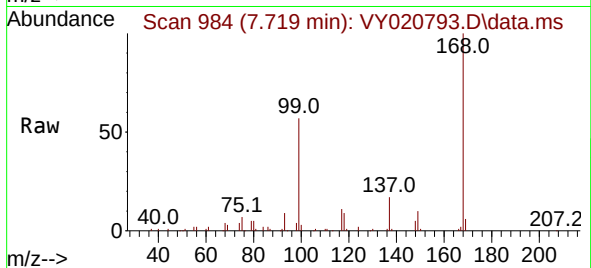
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



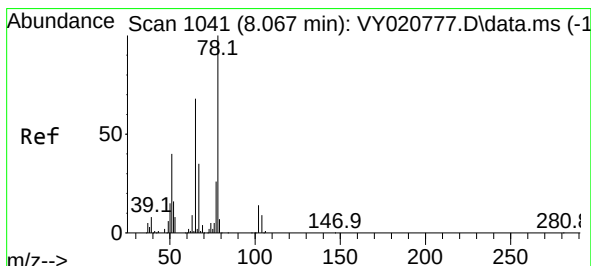
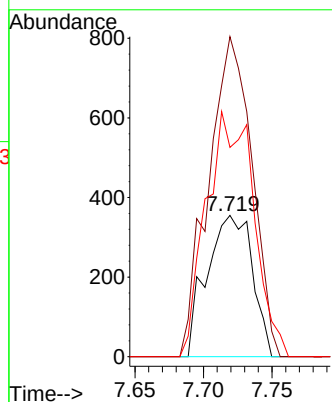
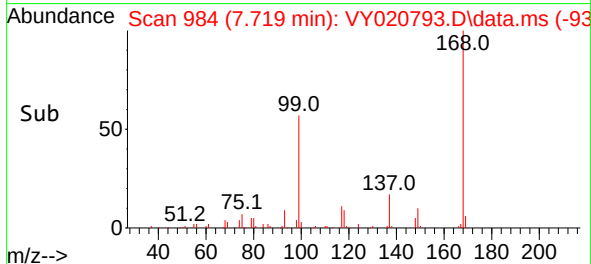


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

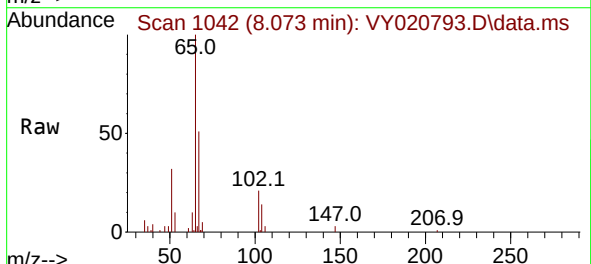
Instrument :
MSVOA_Y
ClientSampleId :



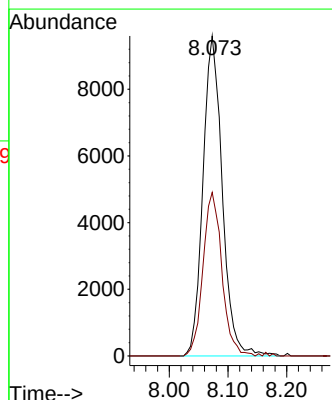
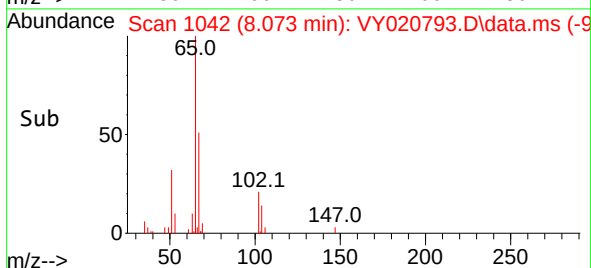
Tgt Ion: 56 Resp: 819
Ion Ratio Lower Upper
56 100
69 226.5 30.5 45.7#
84 148.2 76.6 115.0#

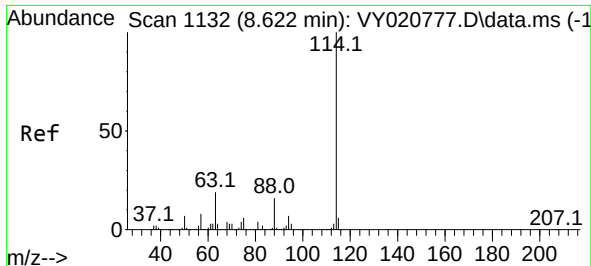


#33
1,2-Dichloroethane-d4
Concen: 47.440 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59



Tgt Ion: 65 Resp: 21984
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY020793.D

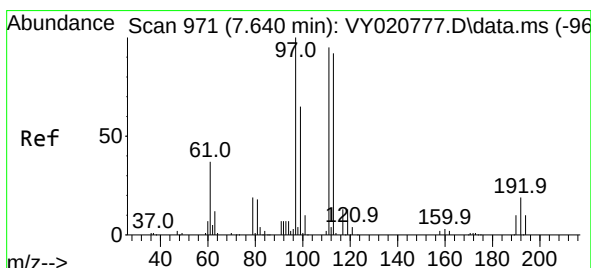
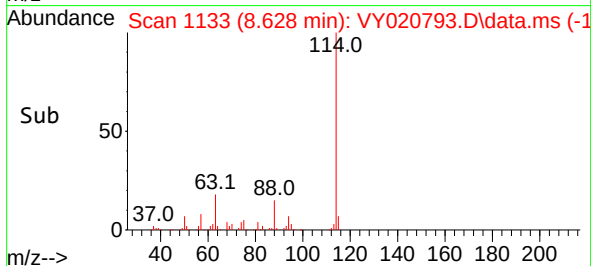
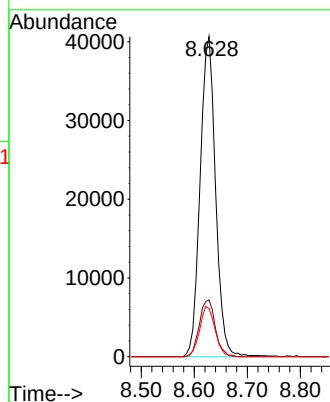
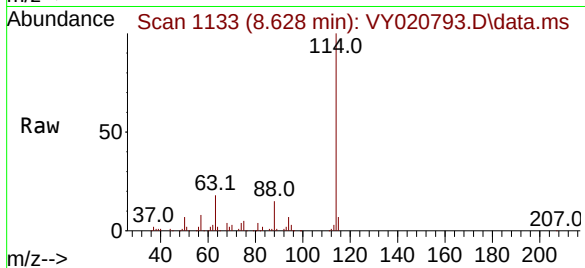
Acq: 07 Jan 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	82030
Ion Ratio	Lower	Upper
114	100	
63	17.8	0.0 38.4
88	15.1	0.0 31.2



#35

Dibromofluoromethane

Concen: 49.524 ug/l

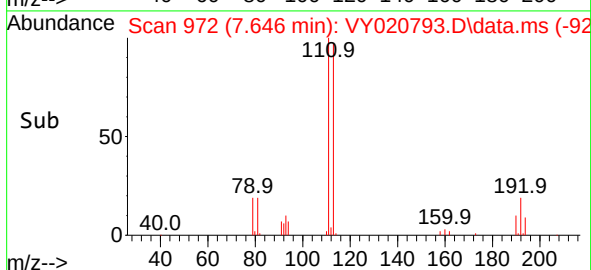
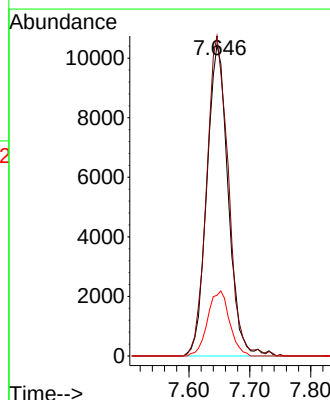
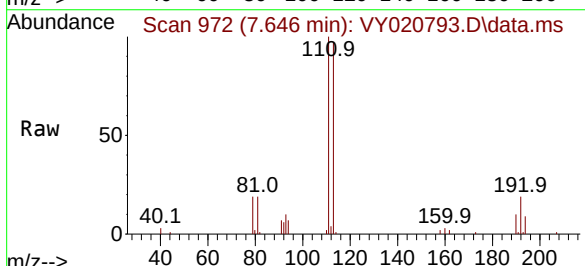
RT: 7.646 min Scan# 972

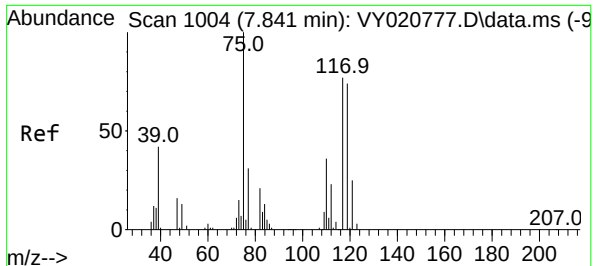
Delta R.T. 0.006 min

Lab File: VY020793.D

Acq: 07 Jan 2025 14:59

Tgt Ion:113	Resp:	25451
Ion Ratio	Lower	Upper
113	100	
111	104.1	81.7 122.5
192	21.4	16.7 25.1

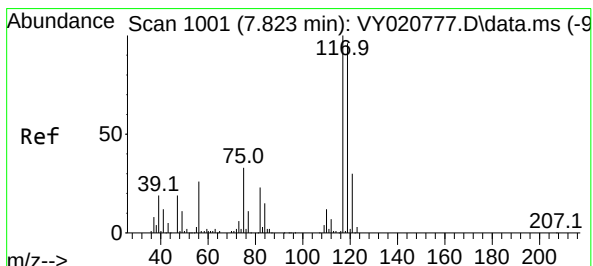
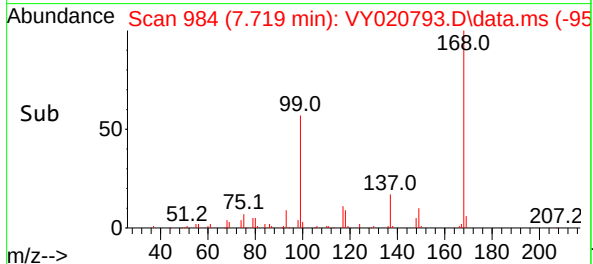
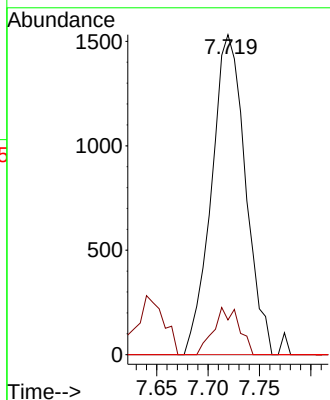
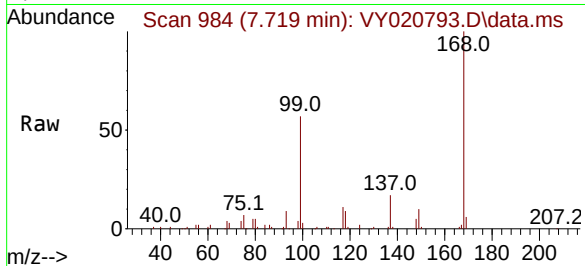




#36
1,1-Dichloropropene
Concen: 5.368 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

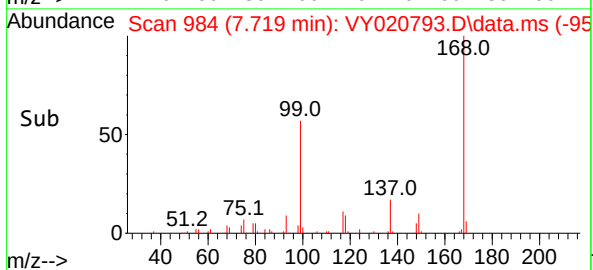
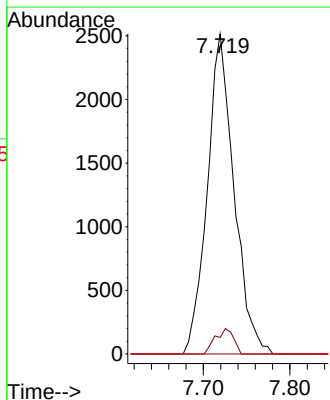
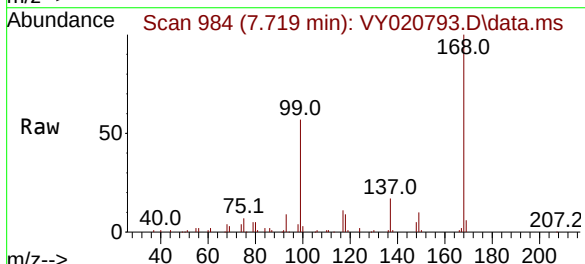
Instrument :
MSVOA_Y
ClientSampleId :

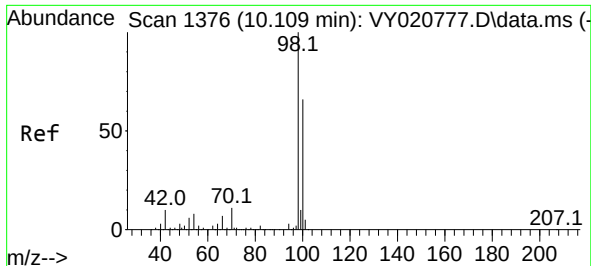
Tgt Ion: 75 Resp: 3519
Ion Ratio Lower Upper
75 100
110 11.1 18.5 55.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.913 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.104 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

Tgt Ion: 117 Resp: 5395
Ion Ratio Lower Upper
117 100
119 5.2 76.5 114.7#
121 0.0 24.3 36.5#

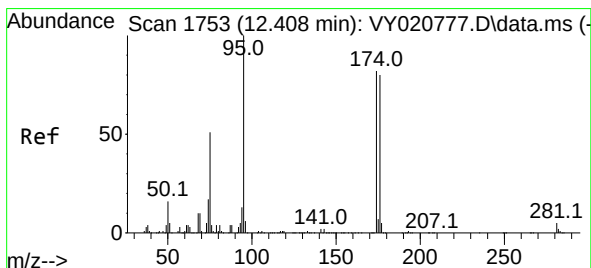
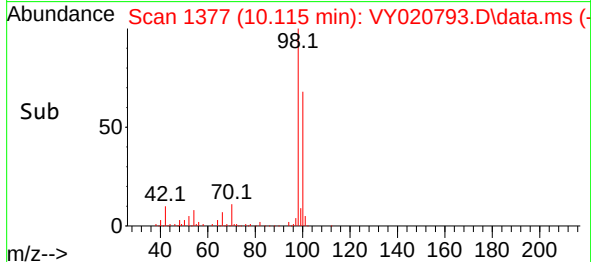
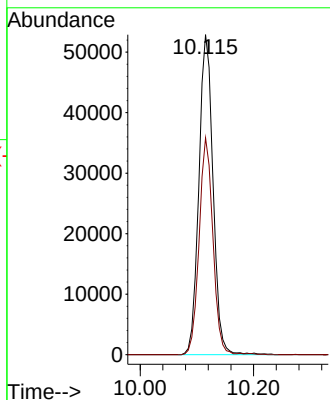
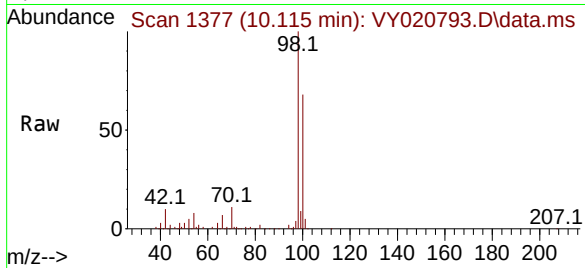




#50
Toluene-d8
Concen: 51.121 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

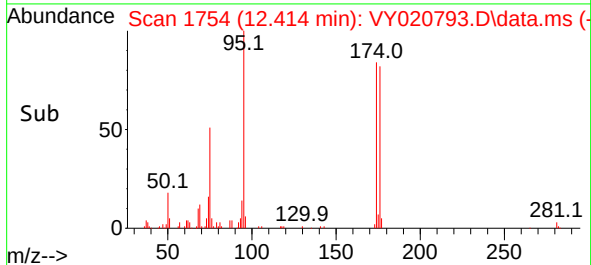
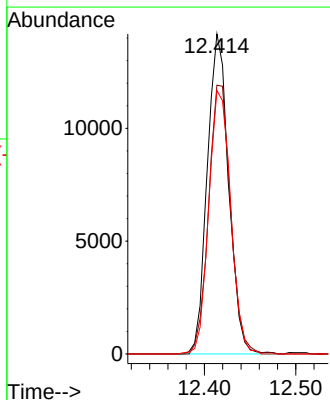
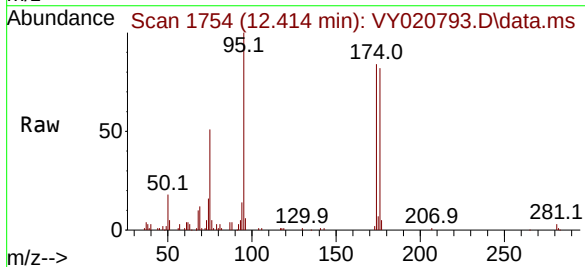
Instrument :
MSVOA_Y
ClientSampleId :

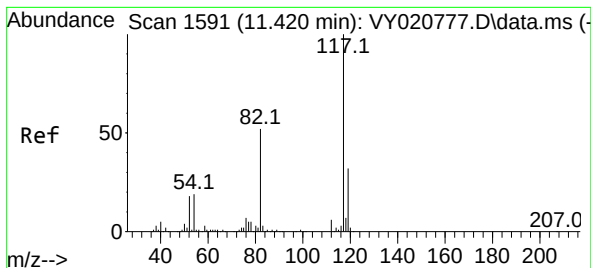
Tgt Ion: 98 Resp: 91583
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 34.813 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

Tgt Ion: 95 Resp: 23031
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.0
176 84.3 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: VY020793.D

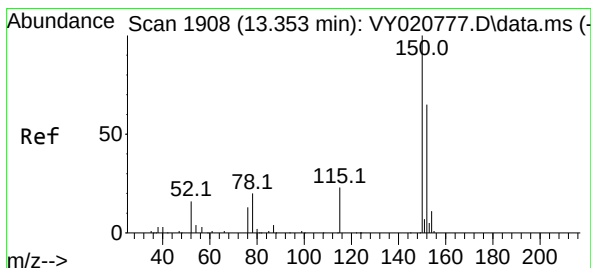
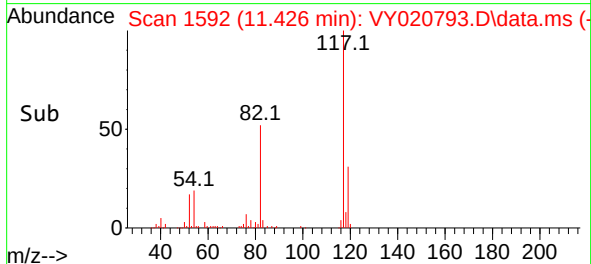
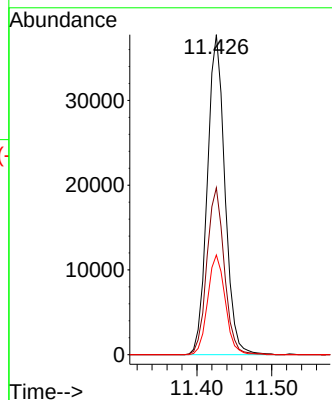
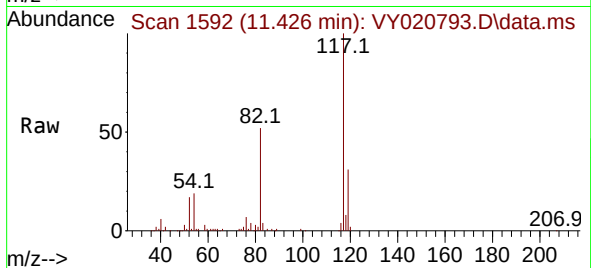
Acq: 07 Jan 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	61508
Ion Ratio	Lower	Upper
117	100	
82	52.1	41.8 62.6
119	31.1	25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

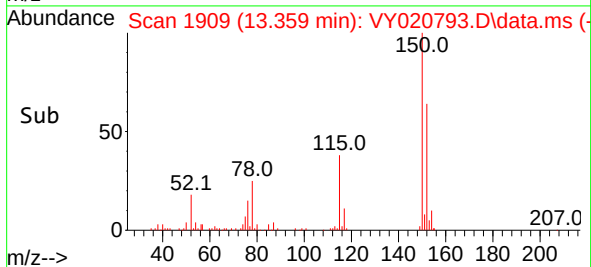
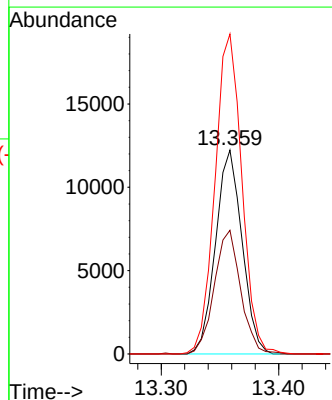
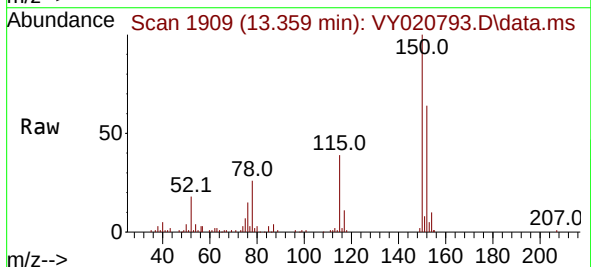
RT: 13.359 min Scan# 1909

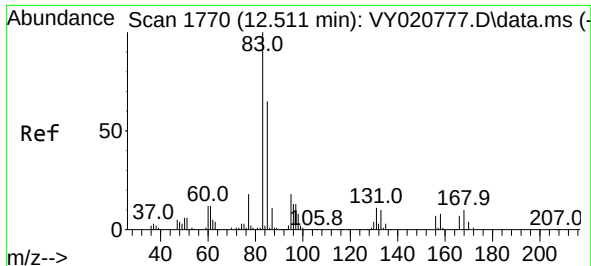
Delta R.T. 0.006 min

Lab File: VY020793.D

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Tgt Ion:152	Resp:	19157
Ion Ratio	Lower	Upper
152	100	
115	60.5	29.0 87.0
150	159.3	0.0 347.4

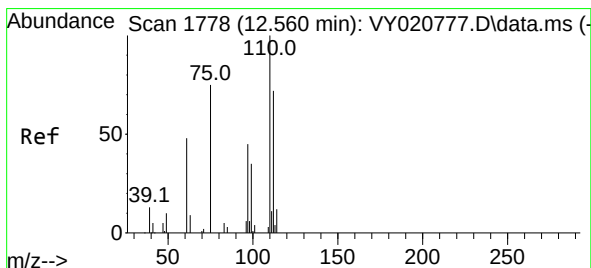
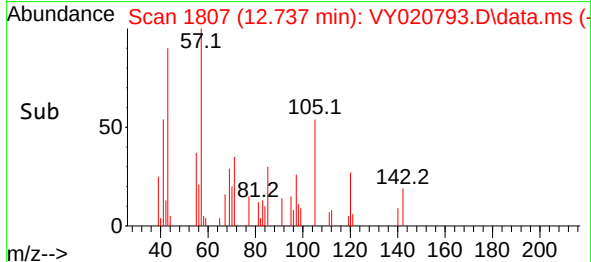
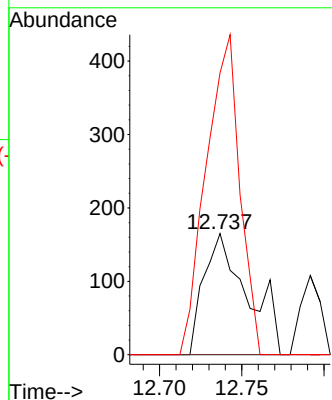
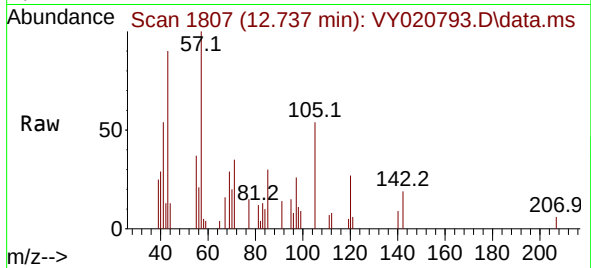




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.315 ug/l
 RT: 12.737 min Scan# 1754
 Delta R.T. 0.226 min
 Lab File: VY020793.D
 Acq: 07 Jan 2025 14:59

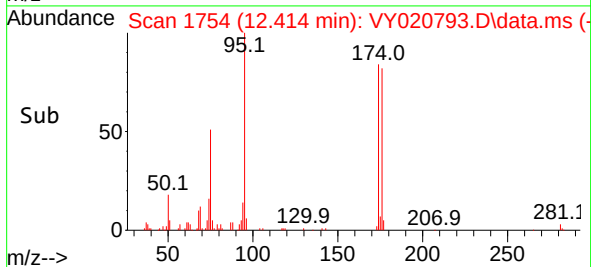
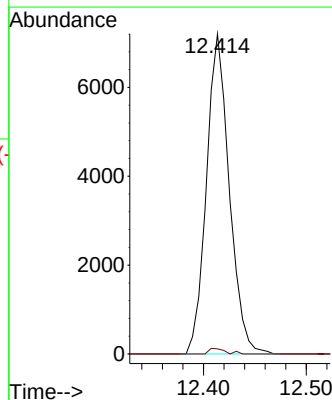
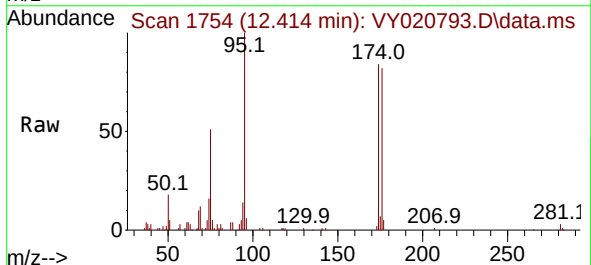
Instrument :
 MSVOA_Y
 ClientSampleId :

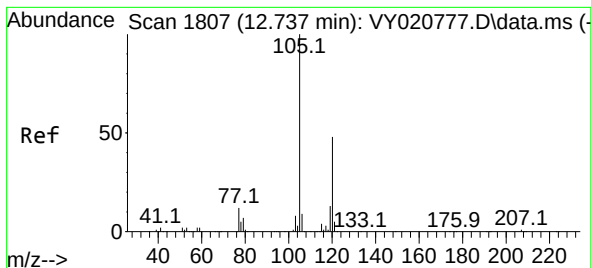
Tgt Ion: 83 Resp: 303
 Ion Ratio Lower Upper
 83 100
 131 0.0 6.0 18.0#
 85 205.0 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 66.359 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY020793.D
 Acq: 07 Jan 2025 14:59

Tgt Ion: 75 Resp: 11123
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.284 ug/l

RT: 12.749 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY020793.D

Acq: 07 Jan 2025 14:59

Instrument :

MSVOA_Y

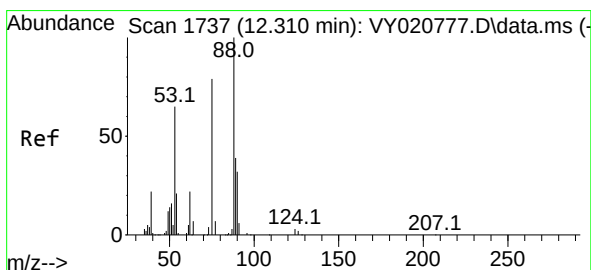
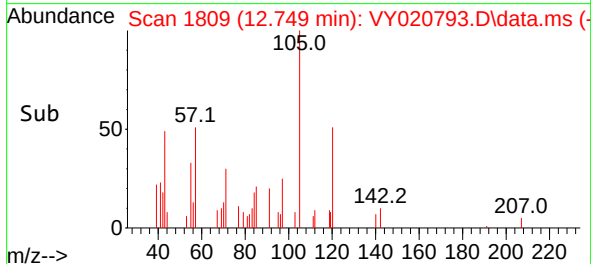
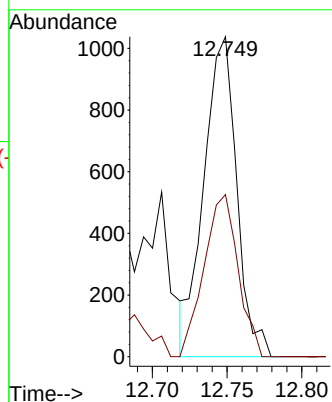
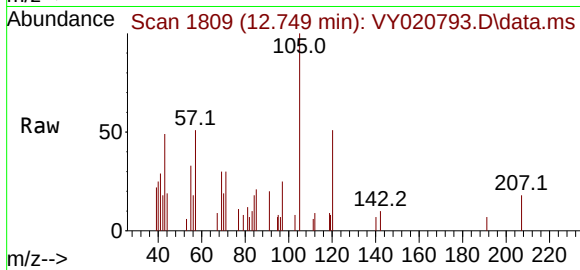
ClientSampleId :

Tgt Ion:105 Resp: 1582

Ion Ratio Lower Upper

105 100

120 52.7 24.5 73.5



#81

trans-1,4-Dichloro-2-butene

Concen: 139.919 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.104 min

Lab File: VY020793.D

Acq: 07 Jan 2025 14:59

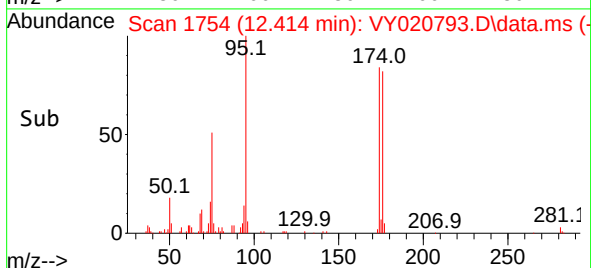
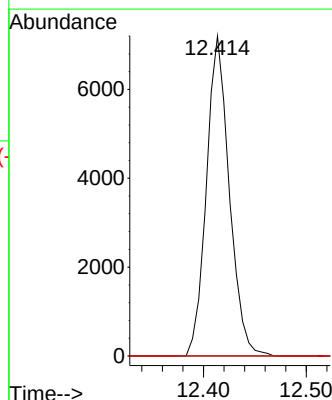
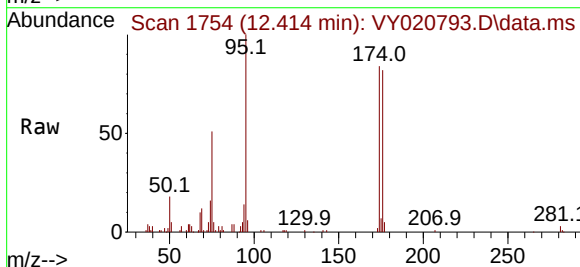
Tgt Ion: 75 Resp: 11123

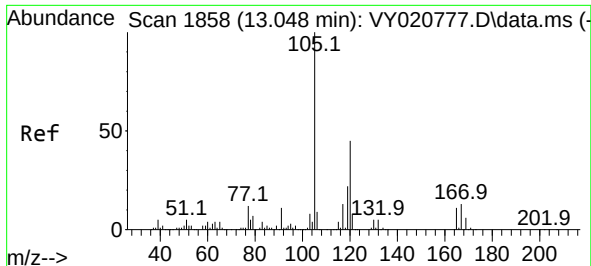
Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.0#

89 0.0 39.6 59.4#

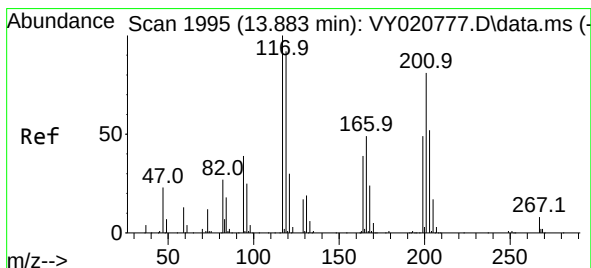
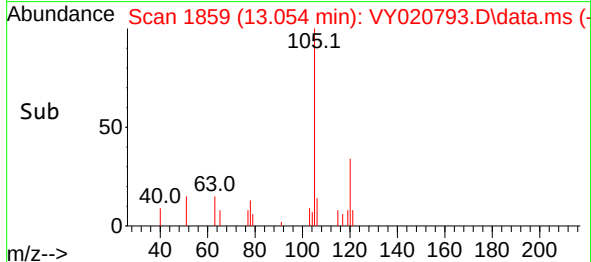
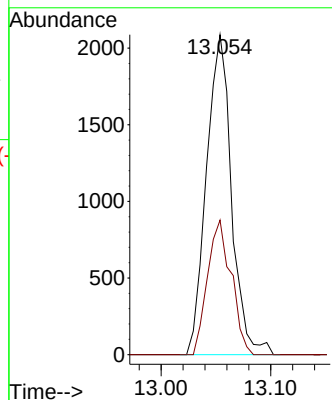
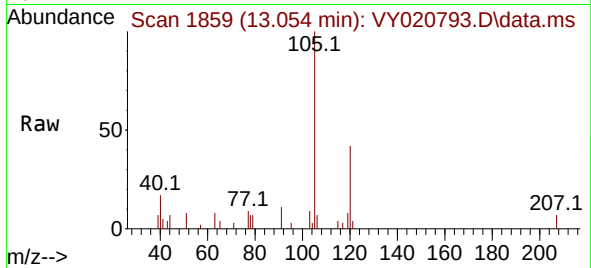




#84
1,2,4-Trimethylbenzene
Concen: 2.752 ug/l
RT: 13.054 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

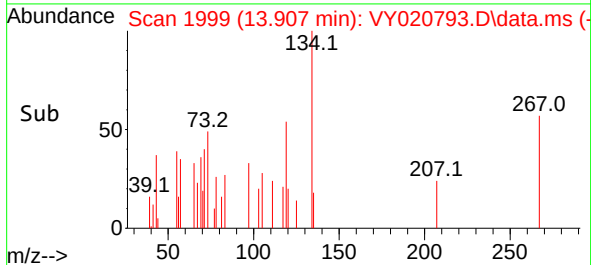
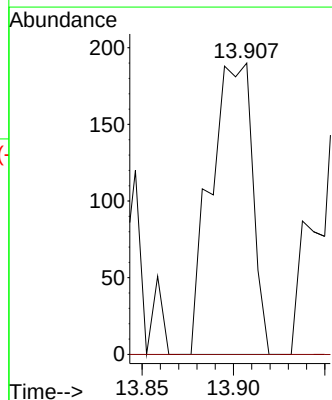
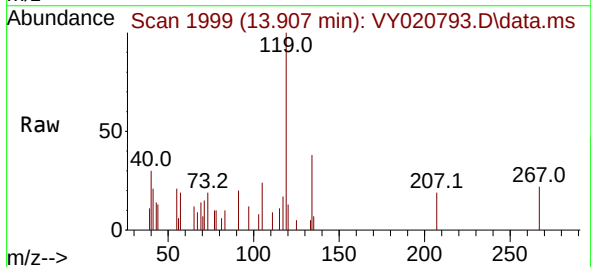
Instrument :
MSVOA_Y
ClientSampleId :

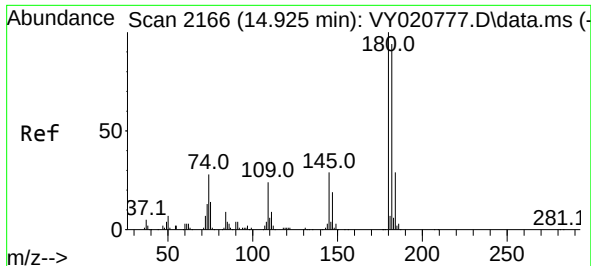
Tgt Ion:105 Resp: 3310
Ion Ratio Lower Upper
105 100
120 39.8 22.4 67.2



#90
Hexachloroethane
Concen: 1.096 ug/l
RT: 13.907 min Scan# 1999
Delta R.T. 0.024 min
Lab File: VY020793.D
Acq: 07 Jan 2025 14:59

Tgt Ion:117 Resp: 302
Ion Ratio Lower Upper
117 100
201 0.0 42.9 128.7#

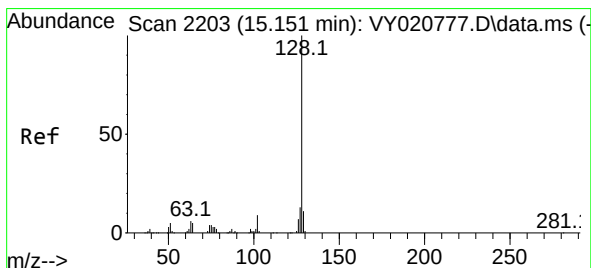
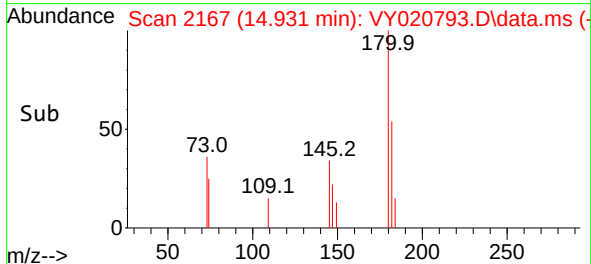
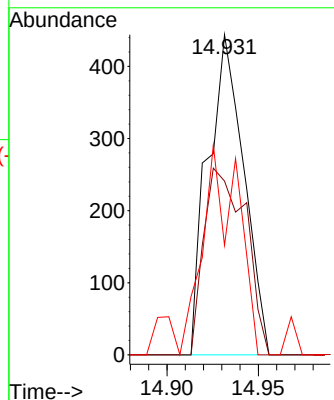
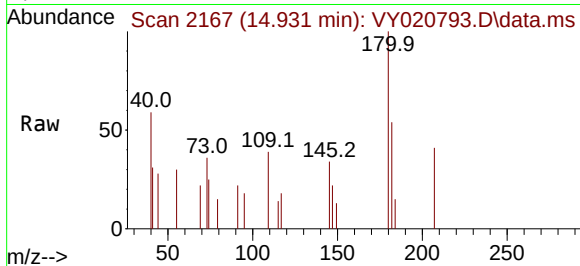




#93
 1,2,4-Trichlorobenzene
 Concen: 1.778 ug/l
 RT: 14.931 min Scan# 2166
 Delta R.T. 0.006 min
 Lab File: VY020793.D
 Acq: 07 Jan 2025 14:59

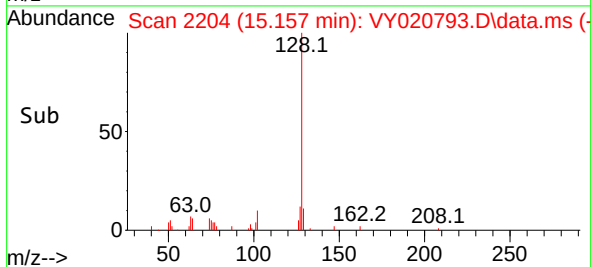
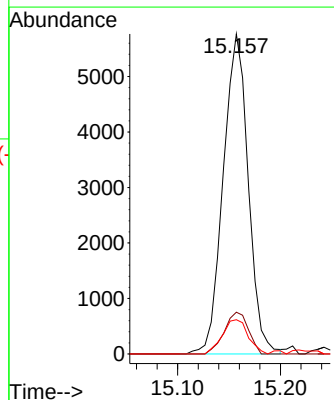
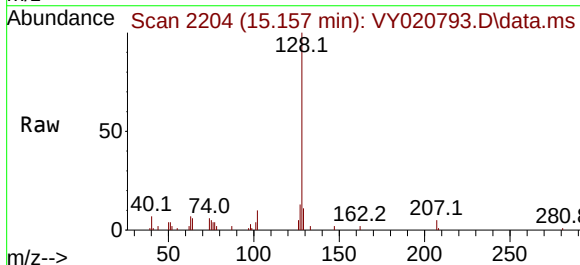
Instrument :
 MSVOA_Y
 ClientSampleId :

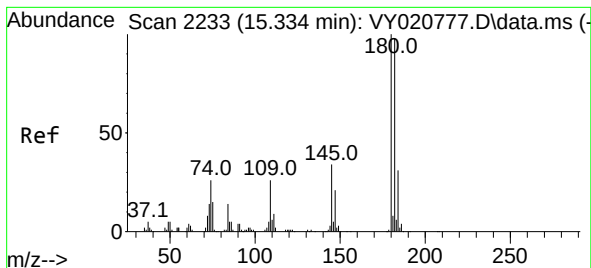
Tgt Ion:180 Resp: 609
 Ion Ratio Lower Upper
 180 100
 182 67.5 47.6 142.9
 145 70.4 15.0 45.1#



#95
 Naphthalene
 Concen: 17.299 ug/l
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.006 min
 Lab File: VY020793.D
 Acq: 07 Jan 2025 14:59

Tgt Ion:128 Resp: 9754
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.5 15.7
 129 11.0 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 1.944 ug/l

RT: 15.340 min Scan# 21

Delta R.T. 0.006 min

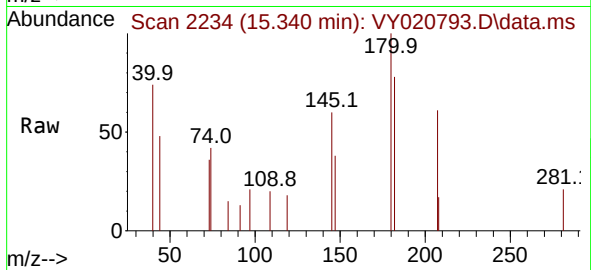
Lab File: VY020793.D

Acq: 07 Jan 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 558

Ion Ratio Lower Upper

180 100

182 87.5 48.1 144.3

145 67.4 16.1 48.2#

