

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020961.D
 Acq On : 29 Jan 2025 11:25
 Operator : SY/MD
 Sample : Q1205-01
 Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 30 00:34:01 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)

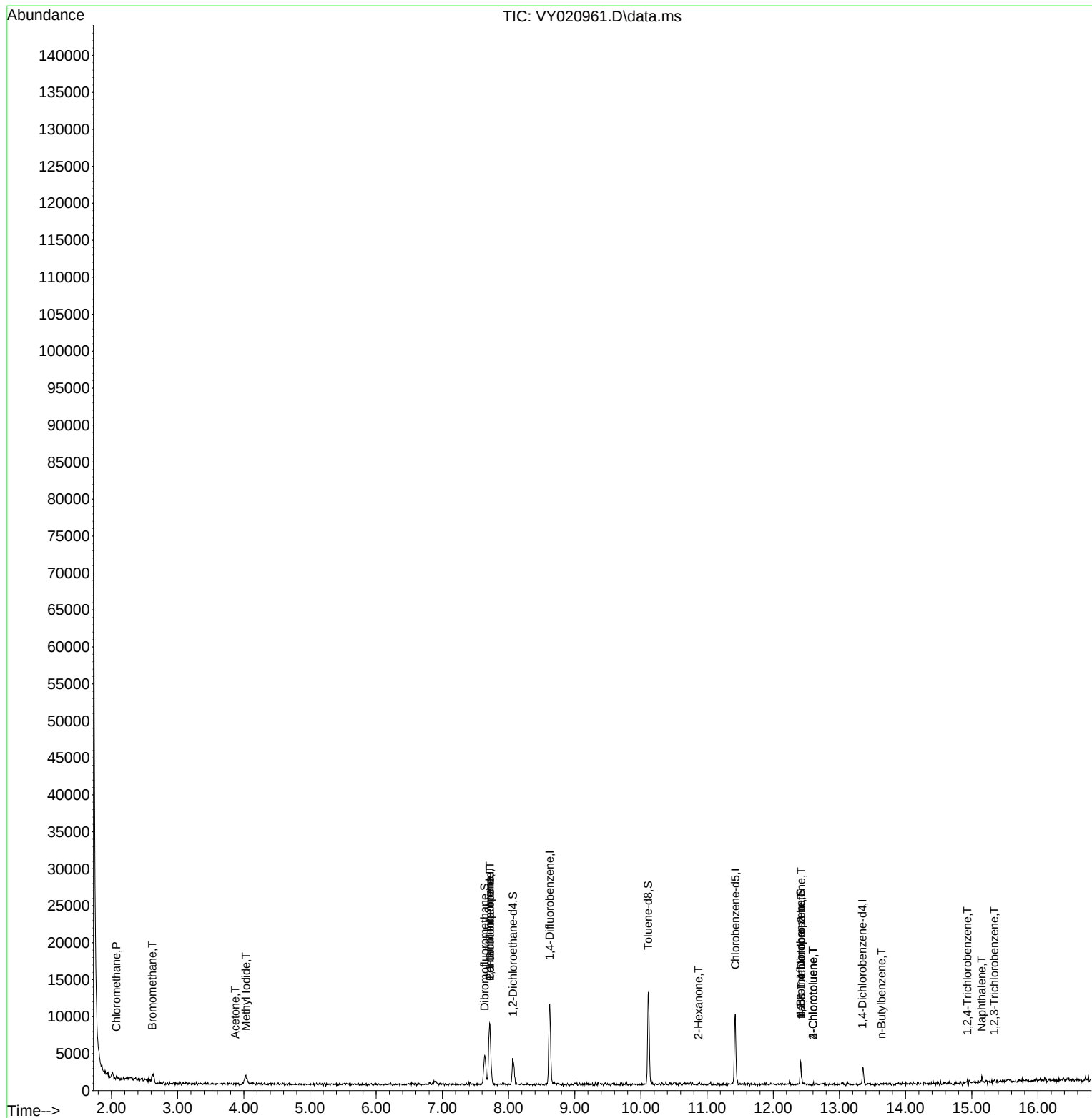
Internal Standards						
1) Pentafluorobenzene	7.719	168	7521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	10036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	5723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	686	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	2996	49.962	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.920%
35) Dibromofluoromethane	7.640	113	3085	53.545	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.100%
50) Toluene-d8	10.109	98	9169	41.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.060%
62) 4-Bromofluorobenzene	12.414	95	988	13.284	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	26.560%#
Target Compounds						Qvalue
3) Chloromethane	2.074	50	263	6.216	ug/l #	56
5) Bromomethane	2.617	94	598	19.147	ug/l	82
10) Methyl Iodide	4.031	142	1967	25.532	ug/l #	93
16) Acetone	3.872	43	51	6.277	ug/l #	43
36) 1,1-Dichloropropene	7.719	75	486	6.042	ug/l #	40
38) Carbon Tetrachloride	7.719	117	800	8.247	ug/l #	12
59) 2-Hexanone	10.871	43	20	1.042	ug/l #	21
76) 1,2,3-Trichloropropane	12.420	75	586	120.818	ug/l #	100
79) 2-Chlorotoluene	12.603	91	44	1.410	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.420	75	586	233.419	ug/l #	15
82) 4-Chlorotoluene	12.603	91	44	1.380	ug/l #	40
89) n-Butylbenzene	13.633	91	73	1.962	ug/l #	33
93) 1,2,4-Trichlorobenzene	14.931	180	113	10.223	ug/l #	71
95) Naphthalene	15.151	128	786	44.345	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.340	180	108	11.630	ug/l #	1

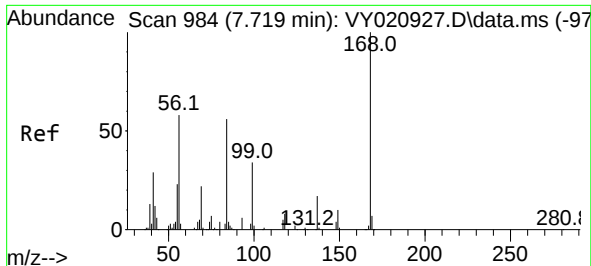
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

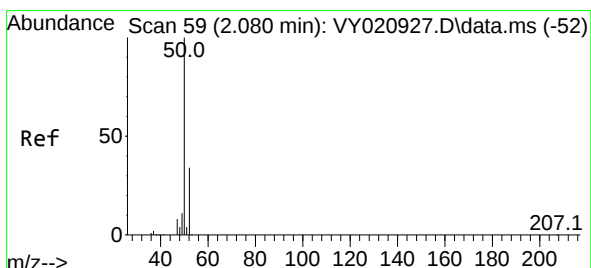
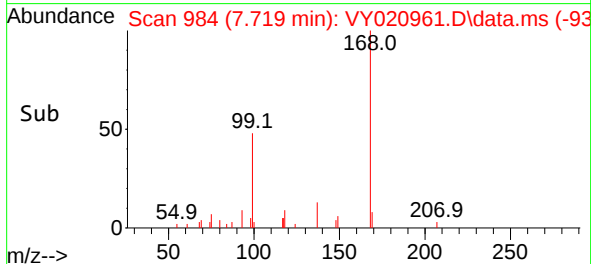
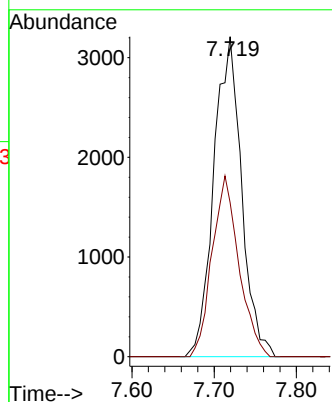
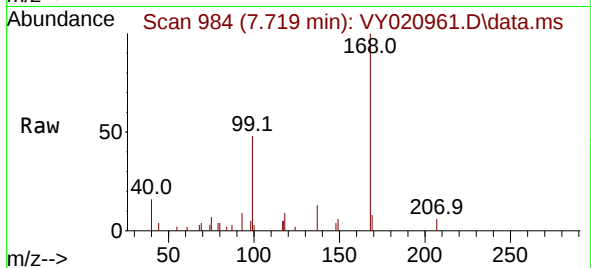




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

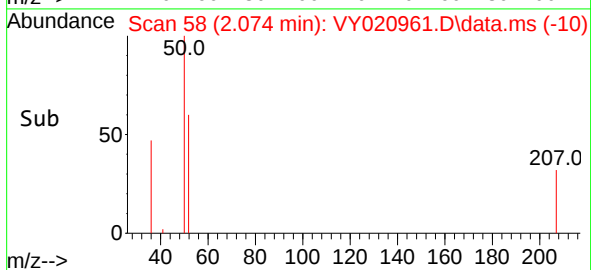
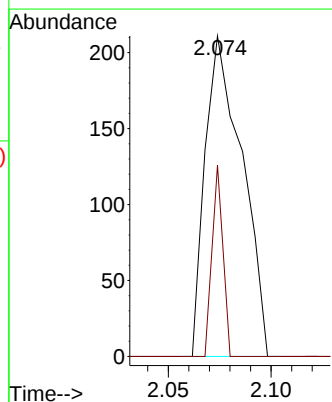
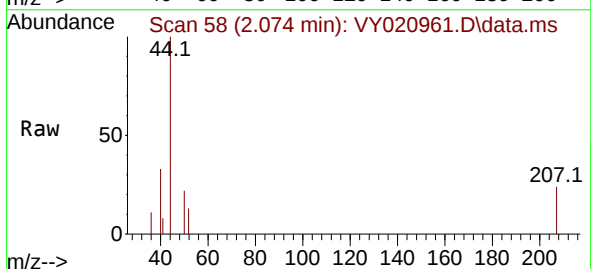
Instrument :
MSVOA_Y
ClientSampleId :

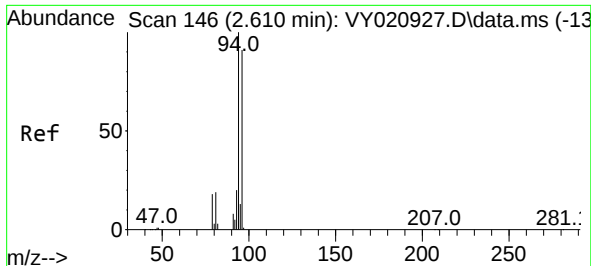
Tgt Ion:168 Resp: 7521
Ion Ratio Lower Upper
168 100
99 48.2 43.0 64.6



#3
Chloromethane
Concen: 6.216 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion: 50 Resp: 263
Ion Ratio Lower Upper
50 100
52 59.7 27.4 41.0#

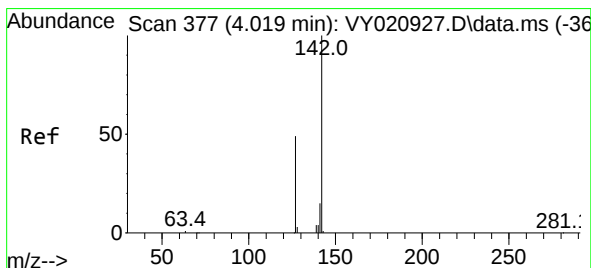
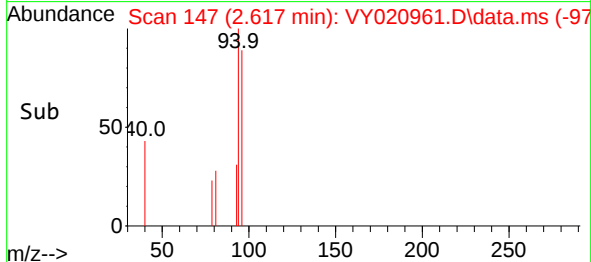
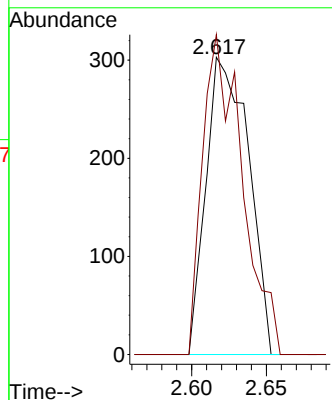
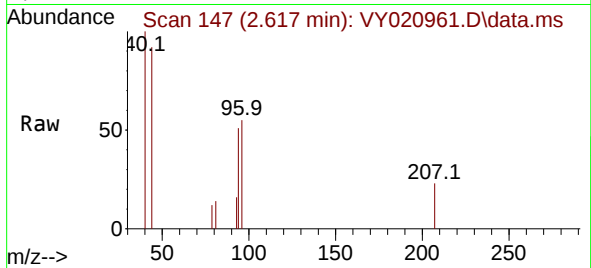




#5
Bromomethane
Concen: 19.147 ug/l
RT: 2.617 min Scan# 146
Delta R.T. 0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

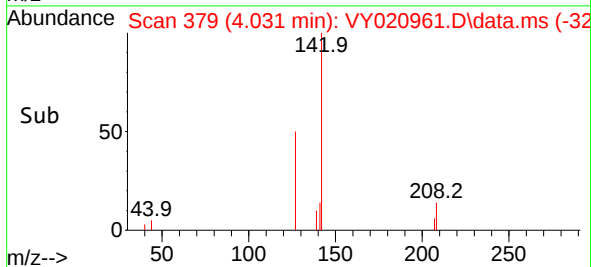
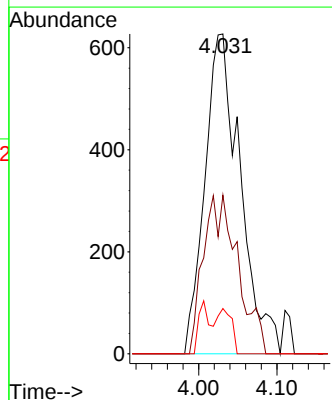
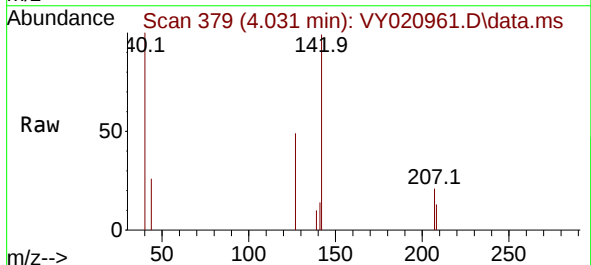
Instrument :
MSVOA_Y
ClientSampleId :

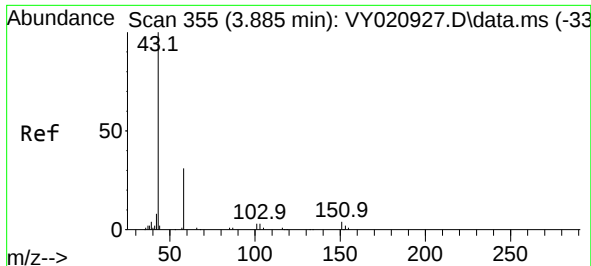
Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 107.6 72.6 109.0



#10
Methyl Iodide
Concen: 25.532 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.012 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion:142 Resp: 1967
Ion Ratio Lower Upper
142 100
127 48.5 37.3 55.9
141 5.7 11.4 17.2#

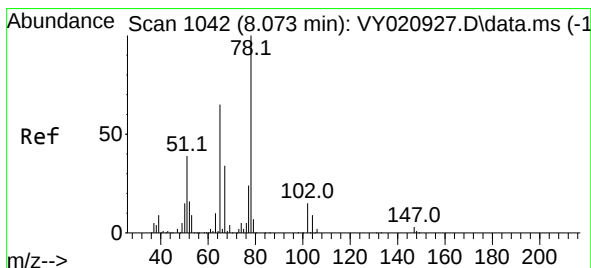
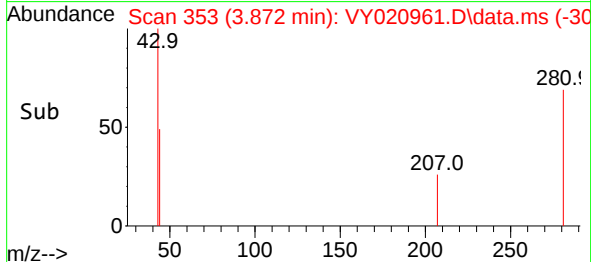
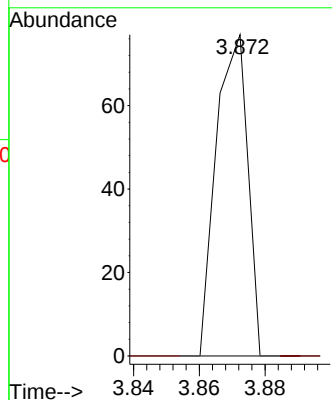
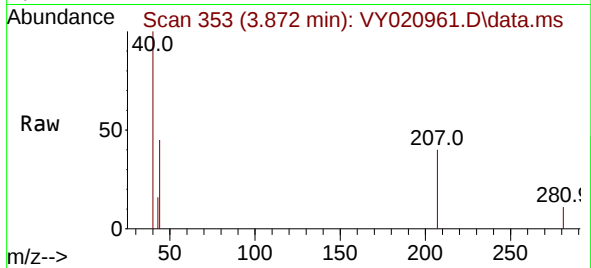




#16
Acetone
Concen: 6.277 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

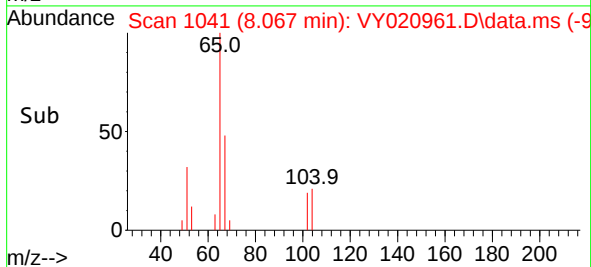
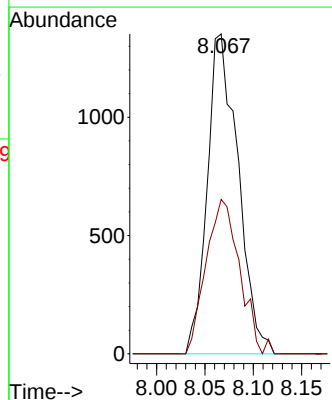
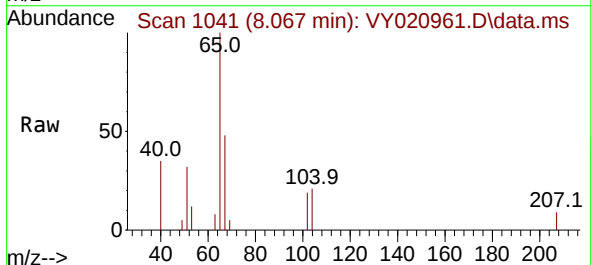
Instrument :
MSVOA_Y
ClientSampleId :

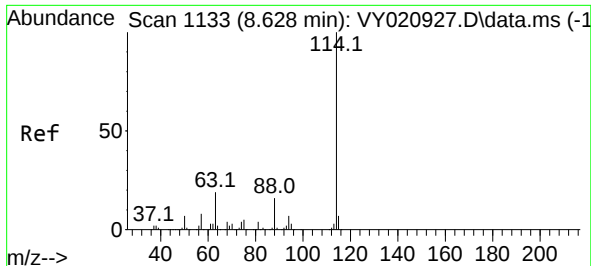
Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
58 0.0 25.6 38.4#



#33
1,2-Dichloroethane-d4
Concen: 49.962 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion: 65 Resp: 2996
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8

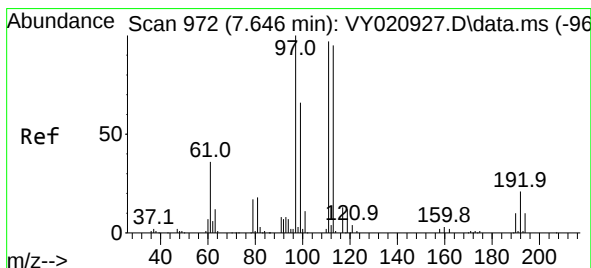
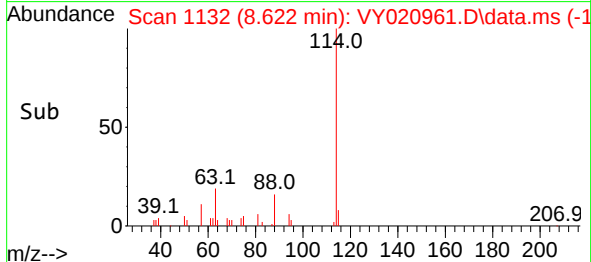
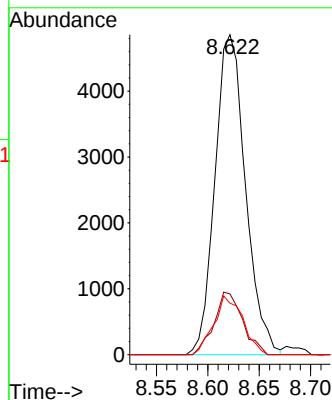
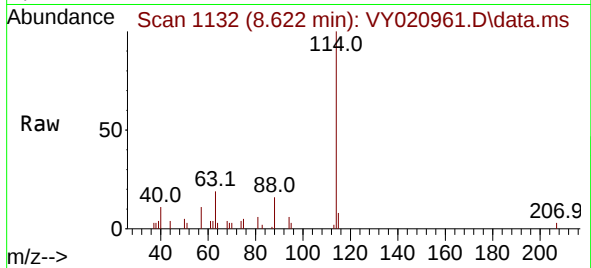




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

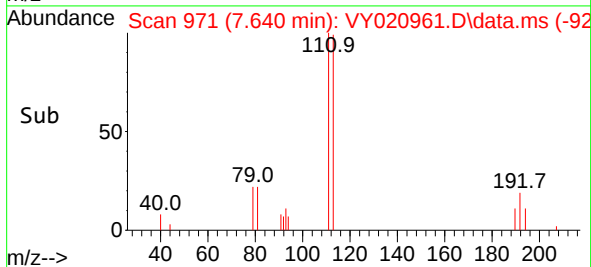
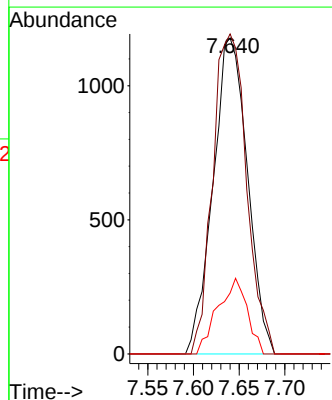
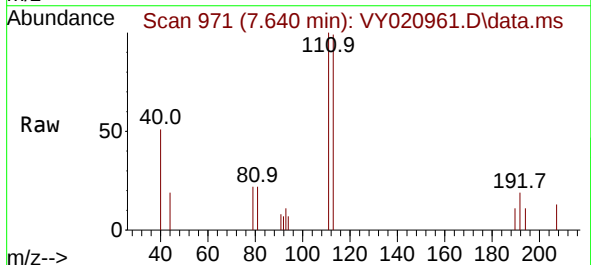
Instrument :
MSVOA_Y
ClientSampleId :

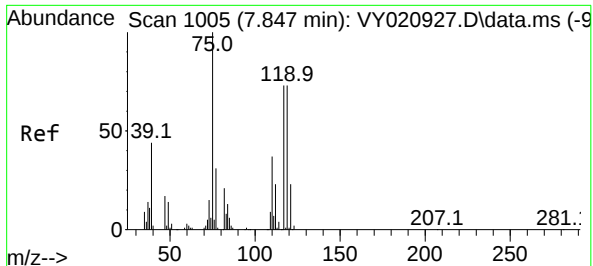
Tgt Ion:	114	Resp:	10036
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	16.1	0.0	31.6



#35
Dibromofluoromethane
Concen: 53.545 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion:	113	Resp:	3085
Ion	Ratio	Lower	Upper
113	100		
111	99.6	82.3	123.5
192	20.4	17.4	26.2





#36

1,1-Dichloropropene

Concen: 6.042 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.128 min

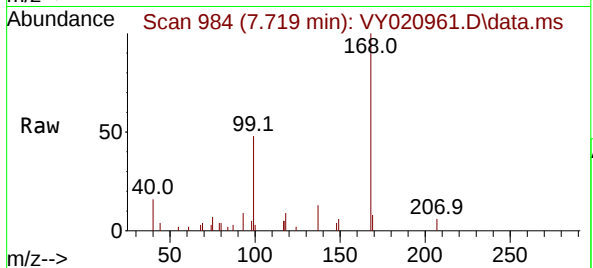
Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

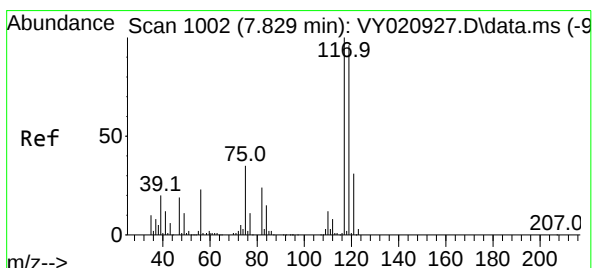
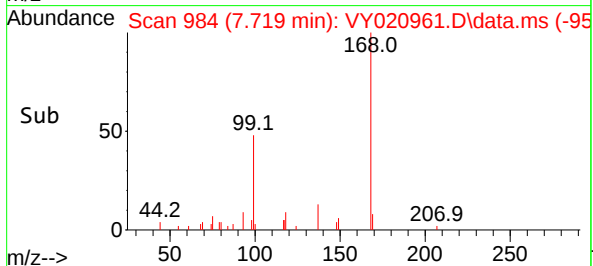
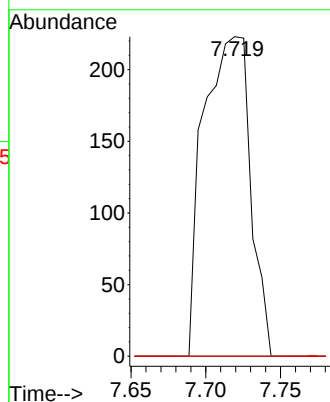
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 486
Ion Ratio	Lower Upper
75	100
110	0.0 18.5 55.5#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 8.247 ug/l

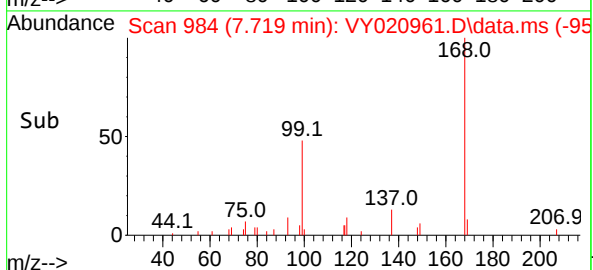
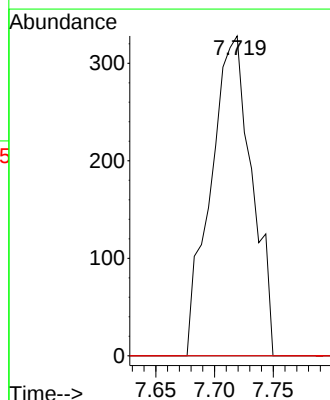
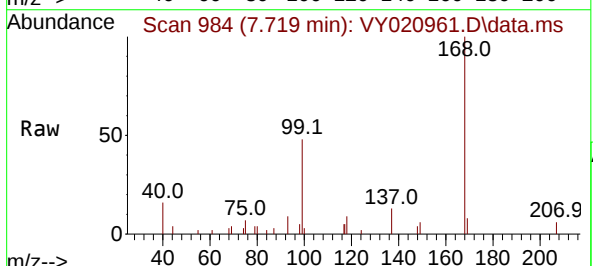
RT: 7.719 min Scan# 984

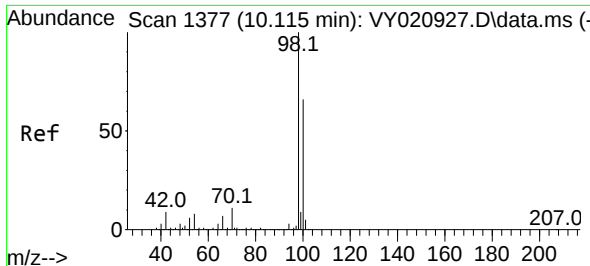
Delta R.T. -0.110 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

Tgt Ion: 117	Resp: 800
Ion Ratio	Lower Upper
117	100
119	0.0 76.5 114.7#
121	0.0 25.0 37.4#

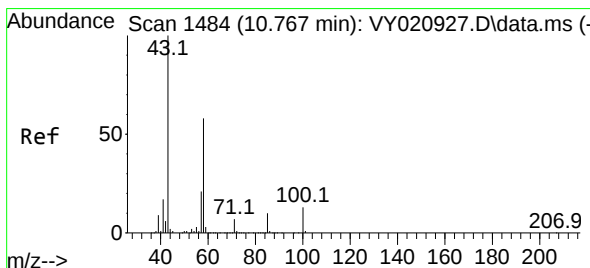
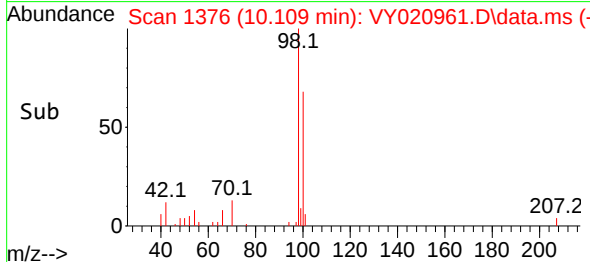
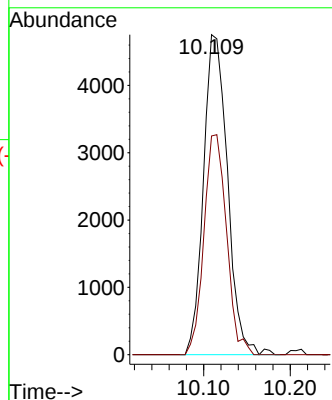
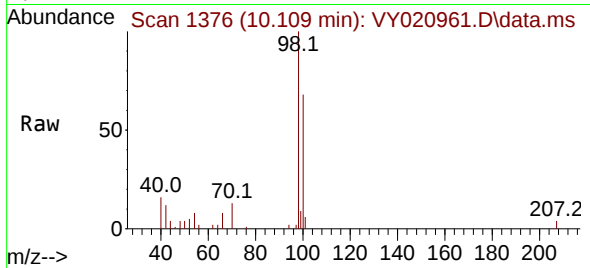




#50
Toluene-d8
Concen: 41.029 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

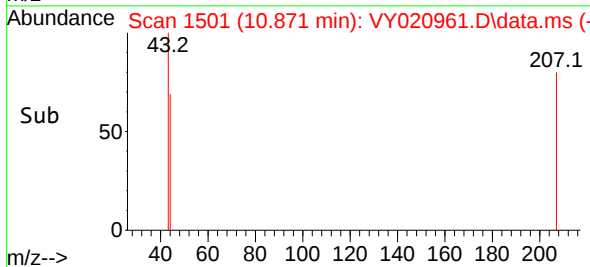
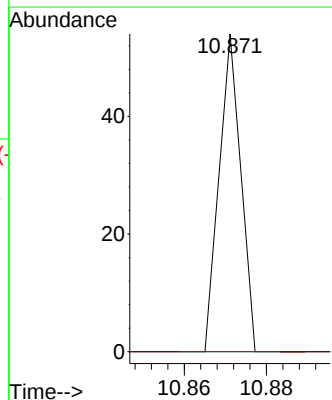
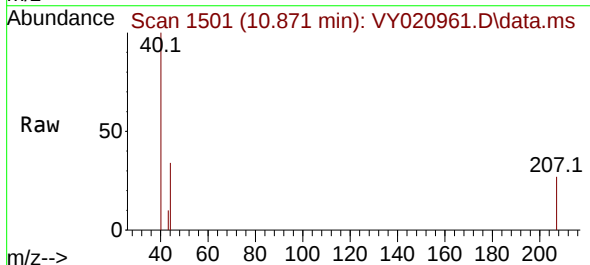
Instrument :
MSVOA_Y
ClientSampleId :

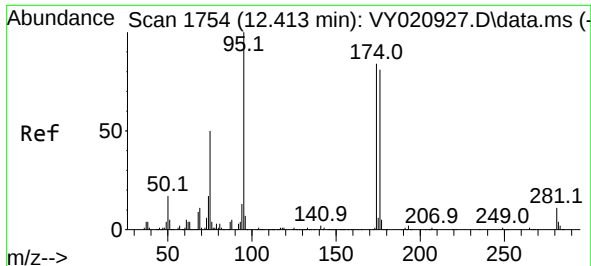
Tgt Ion: 98 Resp: 9169
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#59
2-Hexanone
Concen: 1.042 ug/l
RT: 10.871 min Scan# 1501
Delta R.T. 0.104 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 29.9 89.8#

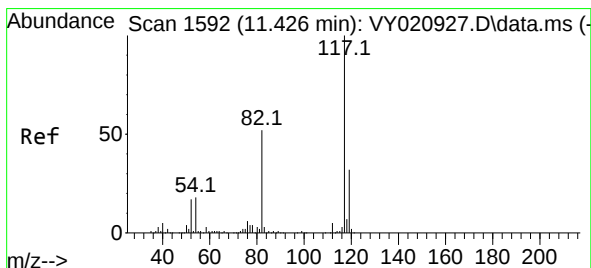
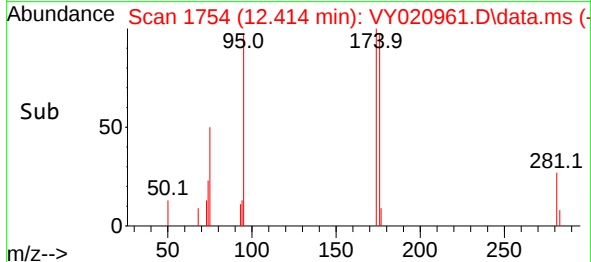
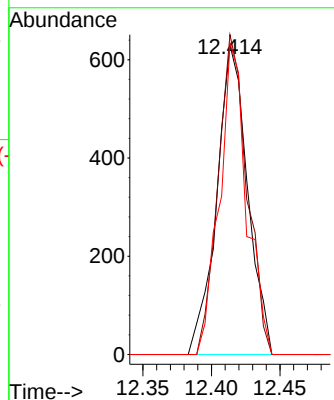
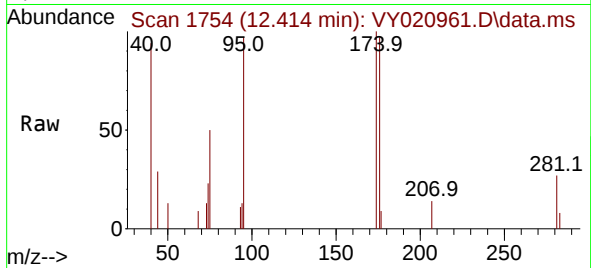




#62
4-Bromofluorobenzene
Concen: 13.284 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

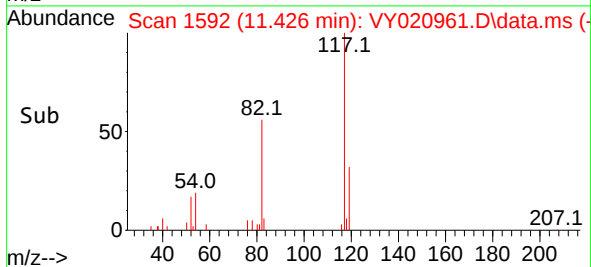
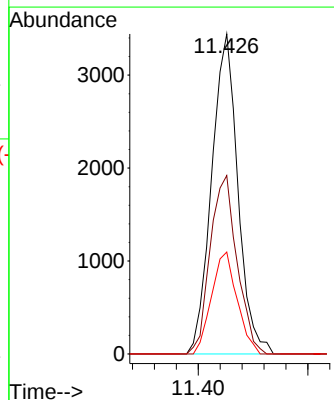
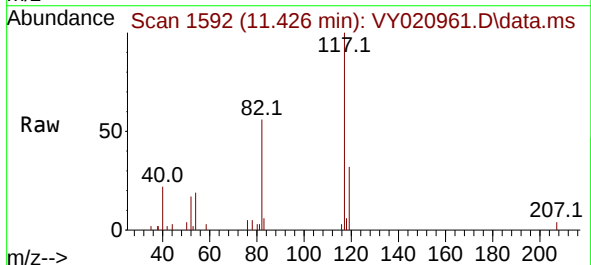
Instrument :
MSVOA_Y
ClientSampleId :

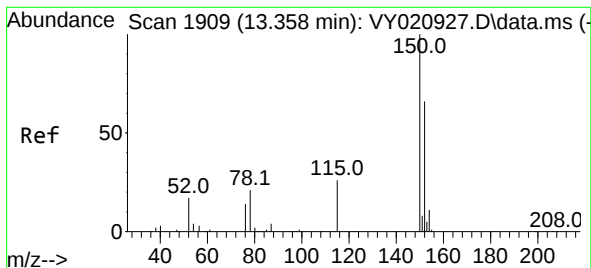
Tgt Ion: 95	Resp: 988
Ion Ratio	Lower Upper
95	100
174	96.5 0.0 177.4
176	88.6 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.000 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion: 117	Resp: 5723
Ion Ratio	Lower Upper
117	100
82	55.8 41.8 62.8
119	31.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1909

Delta R.T. -0.012 min

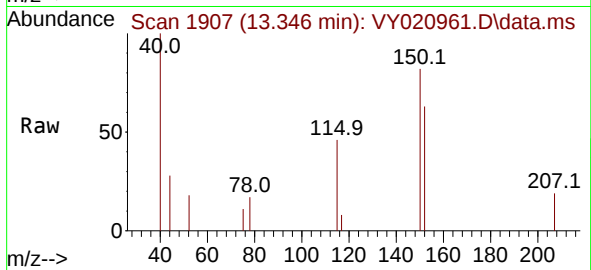
Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :



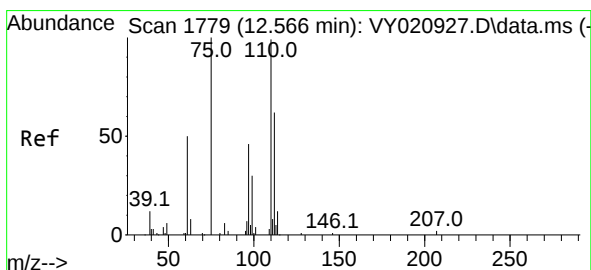
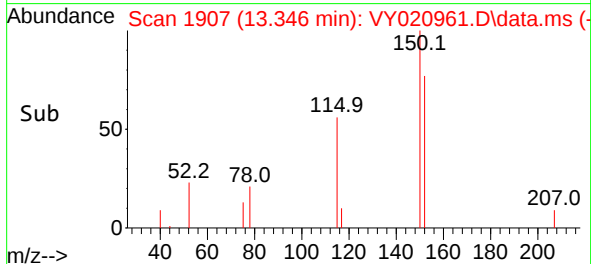
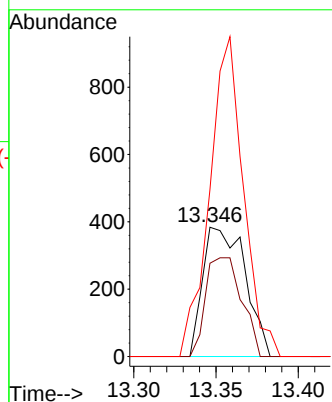
Tgt Ion:152 Resp: 686

Ion Ratio Lower Upper

152 100

115 65.2 29.0 87.0

150 198.5 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 120.818 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.146 min

Lab File: VY020961.D

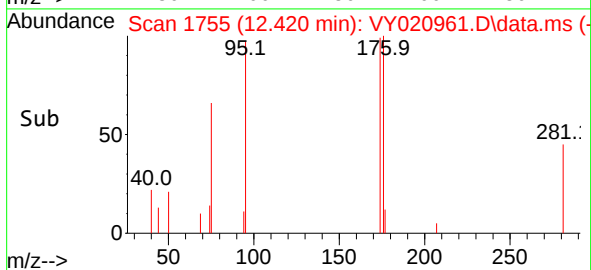
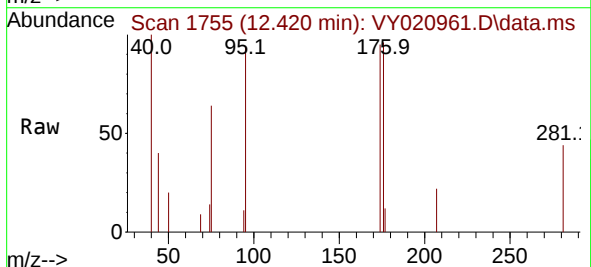
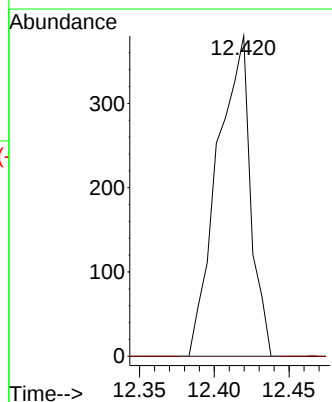
Acq: 29 Jan 2025 11:25

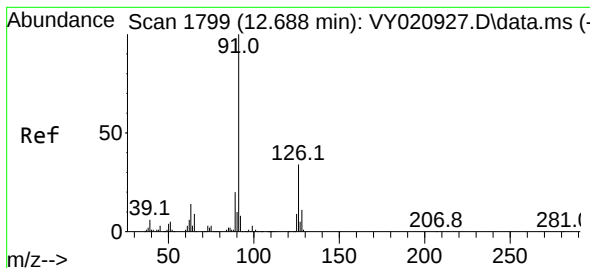
Tgt Ion: 75 Resp: 586

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#79

2-Chlorotoluene

Concen: 1.410 ug/l

RT: 12.603 min Scan# 11

Delta R.T. -0.085 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

Instrument :

MSVOA_Y

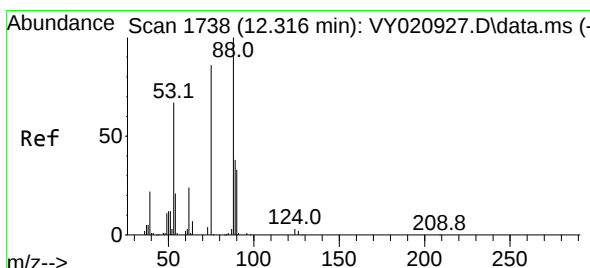
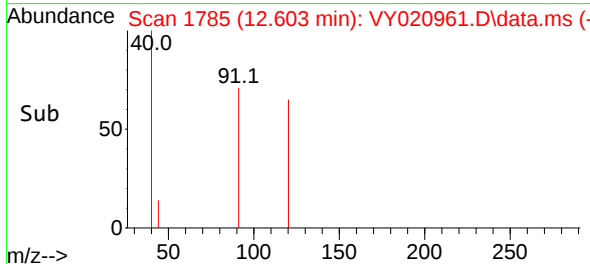
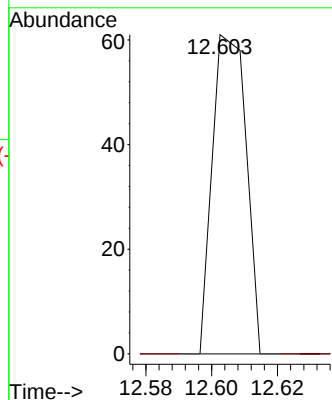
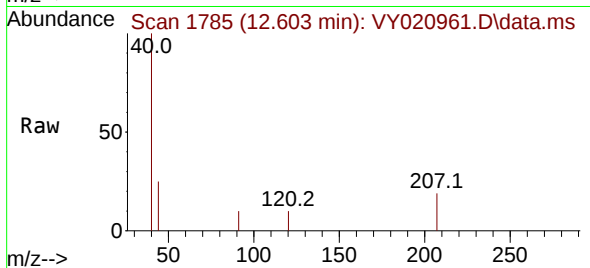
ClientSampleId :

Tgt Ion: 91 Resp: 44

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 233.419 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.104 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

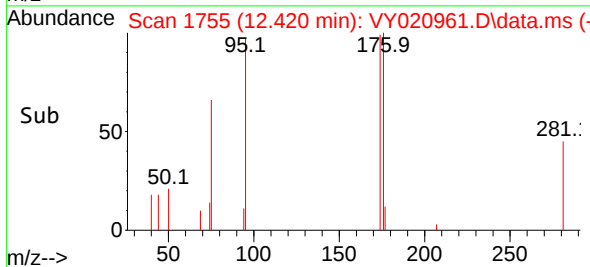
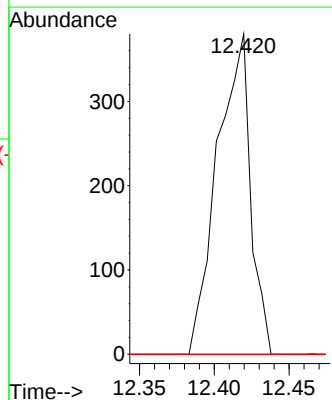
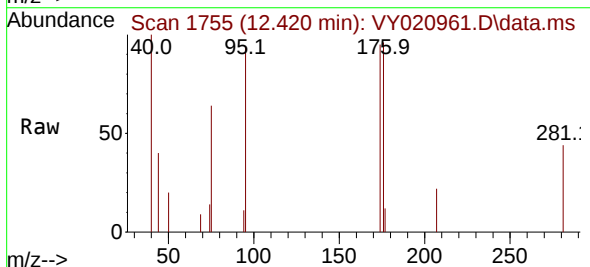
Tgt Ion: 75 Resp: 586

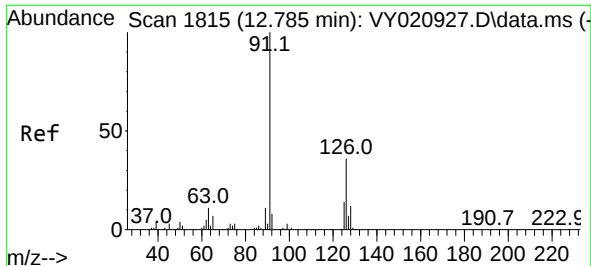
Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 38.4 57.6#

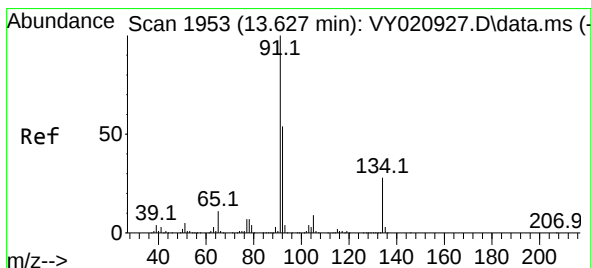
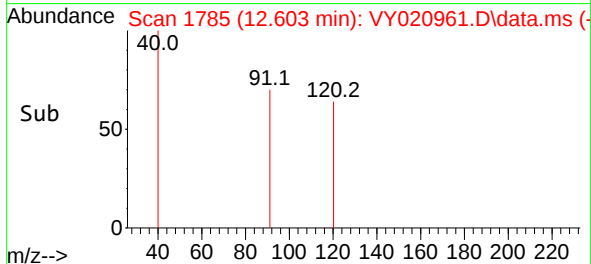
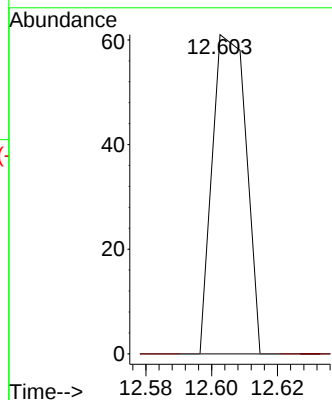
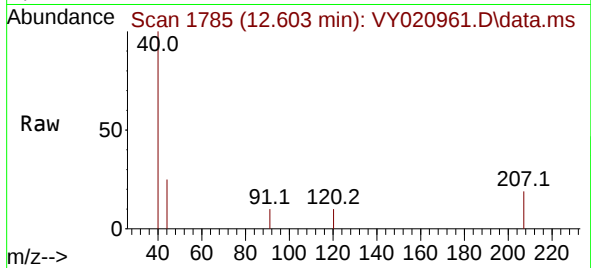




#82
4-Chlorotoluene
Concen: 1.380 ug/l
RT: 12.603 min Scan# 11
Delta R.T. -0.183 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

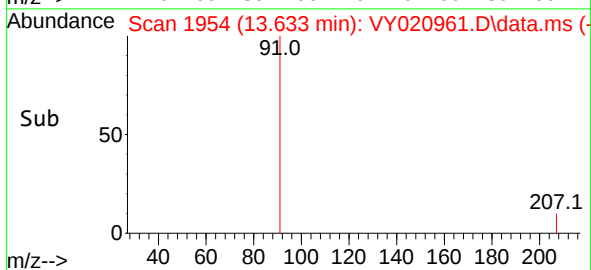
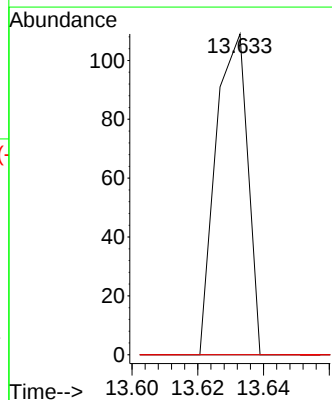
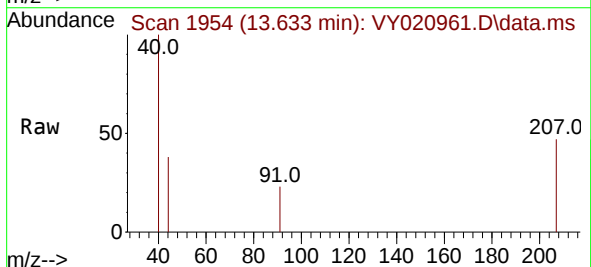
Instrument :
MSVOA_Y
ClientSampleId :

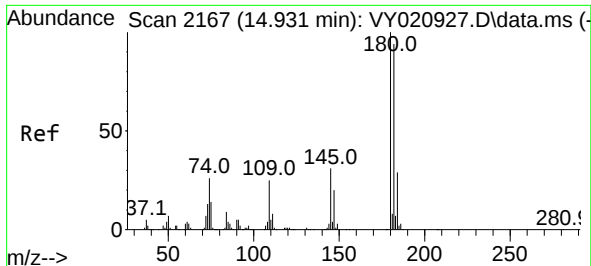
Tgt Ion: 91 Resp: 44
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#89
n-Butylbenzene
Concen: 1.962 ug/l
RT: 13.633 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion: 91 Resp: 73
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.3#
134 0.0 13.8 41.4#





#93

1,2,4-Trichlorobenzene

Concen: 10.223 ug/l

RT: 14.931 min Scan# 2167

Delta R.T. 0.000 min

Lab File: VY020961.D

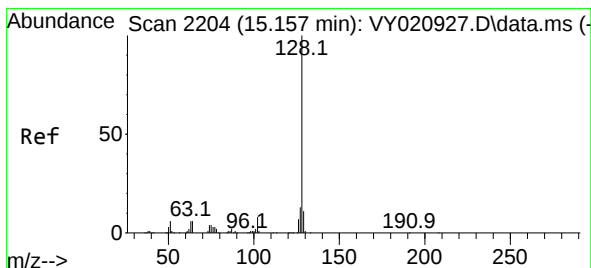
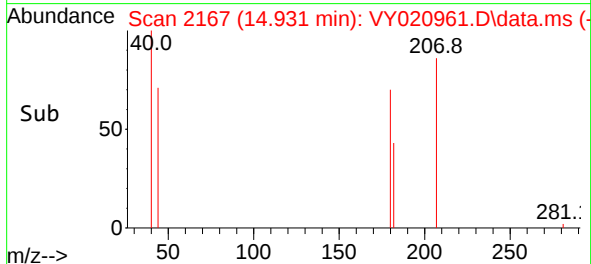
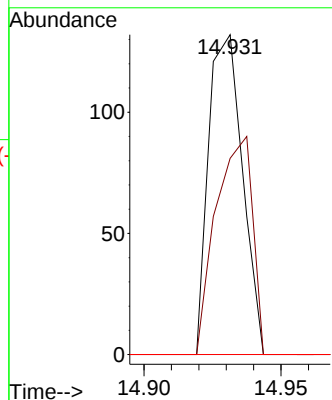
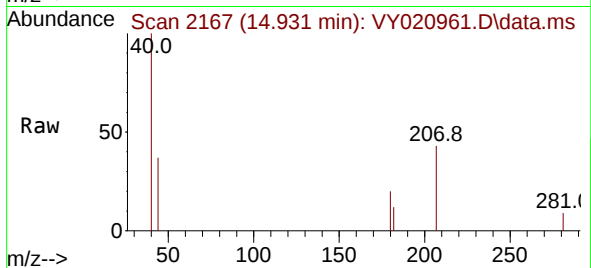
Acq: 29 Jan 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180	Resp:	113
Ion Ratio	Lower	Upper
180	100	
182	73.5	47.0 141.2
145	0.0	14.9 44.5#



#95

Naphthalene

Concen: 44.345 ug/l

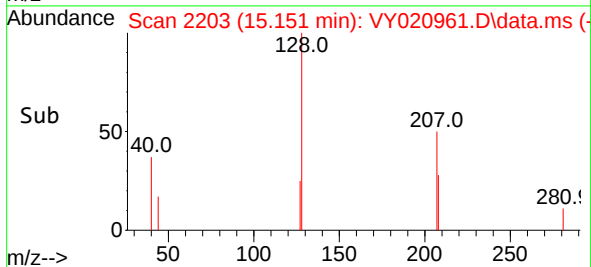
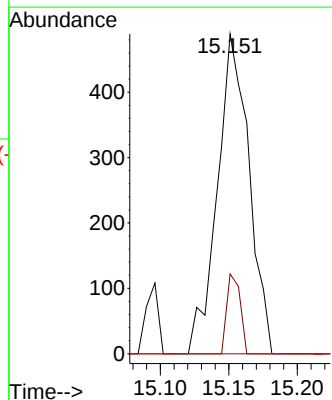
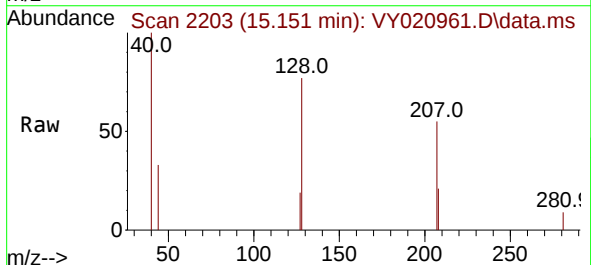
RT: 15.151 min Scan# 2203

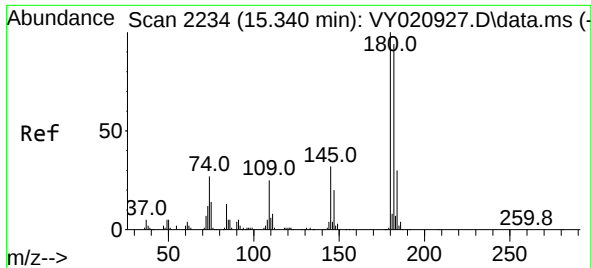
Delta R.T. -0.006 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

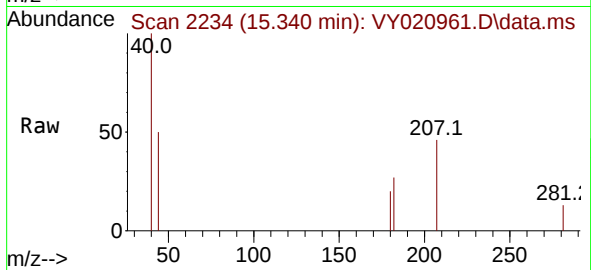
Tgt Ion:128	Resp:	786
Ion Ratio	Lower	Upper
128	100	
127	10.4	10.3 15.5
129	0.0	8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 11.630 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY020961.D
 Acq: 29 Jan 2025 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 108
 Ion Ratio Lower Upper
 180 100
 182 216.7 47.5 142.6#
 145 0.0 15.7 47.0#

