

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020940.D
 Acq On : 27 Jan 2025 11:20
 Operator : SY/MD
 Sample : Q1183-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 28 01:11:19 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)

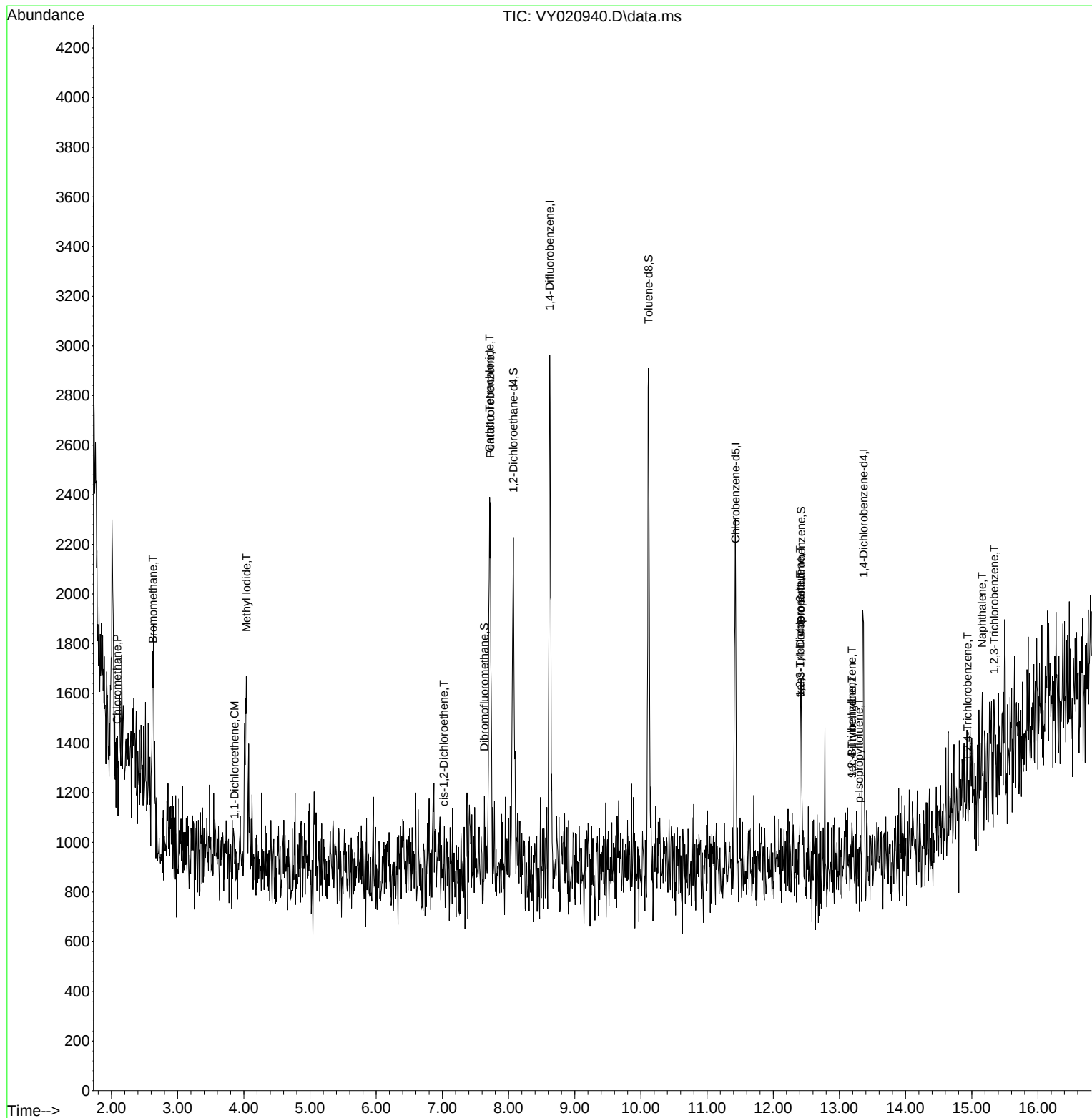
Internal Standards						
1) Pentafluorobenzene	7.726	168	1647	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	2531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	1149	87.499	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 175.000%#	
35) Dibromofluoromethane	7.634	113	40	2.753	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 5.500%#	
50) Toluene-d8	10.115	98	1767	31.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 62.700%	
62) 4-Bromofluorobenzene	12.420	95	341	18.180	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 36.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.086	50	128	13.815	ug/l	# 40
5) Bromomethane	2.629	94	370	54.098	ug/l	89
10) Methyl Iodide	4.037	142	1241	73.558	ug/l	# 92
12) 1,1-Dichloroethene	3.860	96	20	1.496	ug/l	# 1
27) cis-1,2-Dichloroethene	7.024	96	20	1.229	ug/l	# 1
38) Carbon Tetrachloride	7.713	117	54	2.207	ug/l	# 12
76) 1,2,3-Trichloropropane	12.408	75	210	71.742	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	210	138.606	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.188	105	79	3.503	ug/l	# 31
85) sec-Butylbenzene	13.188	105	79	2.622	ug/l	# 55
86) p-Isopropyltoluene	13.298	119	52	2.043	ug/l	# 50
93) 1,2,4-Trichlorobenzene	14.938	180	105	15.741	ug/l	# 13
95) Naphthalene	15.157	128	276	25.802	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.340	180	85	15.167	ug/l	# 34

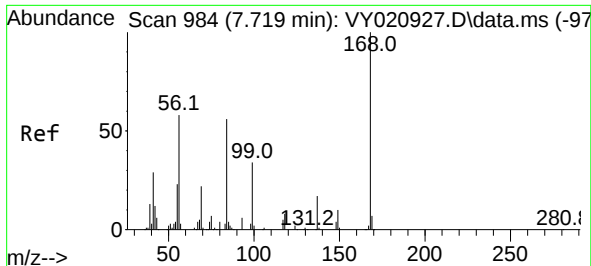
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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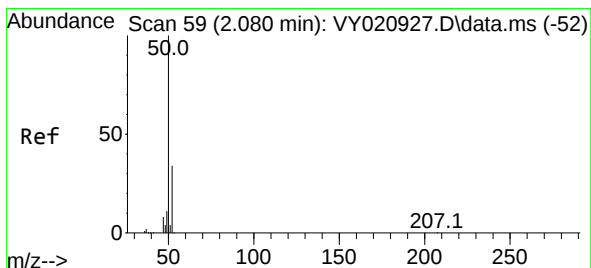
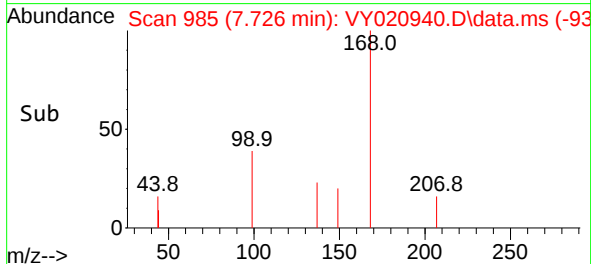
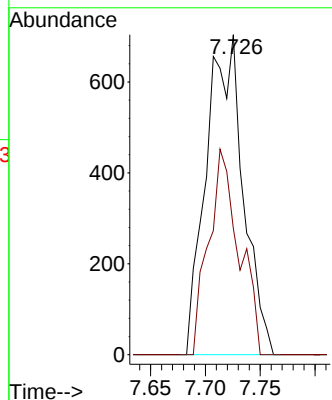
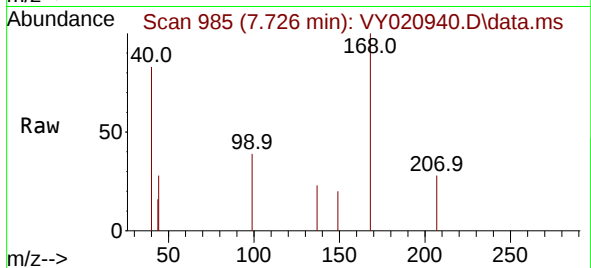




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

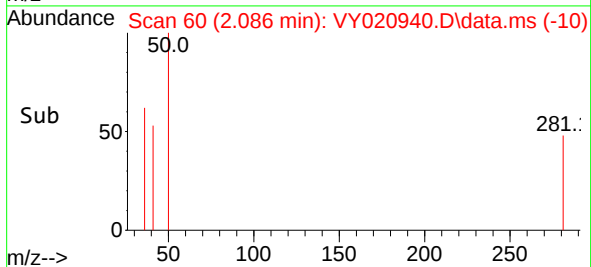
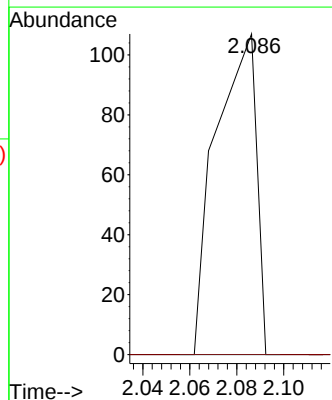
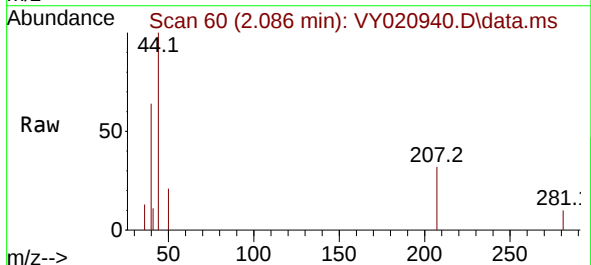
Instrument :
MSVOA_Y
ClientSampleId :

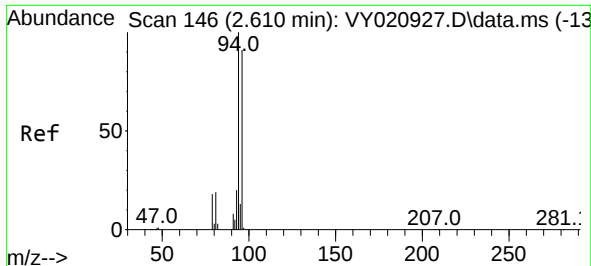
Tgt Ion:168 Resp: 1647
Ion Ratio Lower Upper
168 100
99 39.5 43.0 64.6#



#3
Chloromethane
Concen: 13.815 ug/l
RT: 2.086 min Scan# 60
Delta R.T. 0.006 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

Tgt Ion: 50 Resp: 128
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

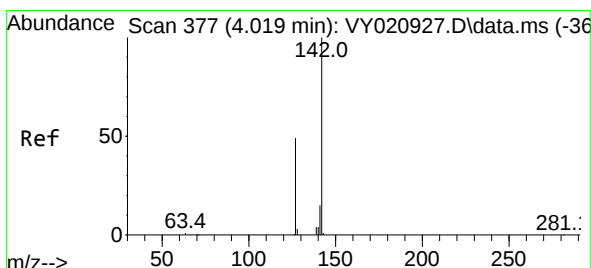
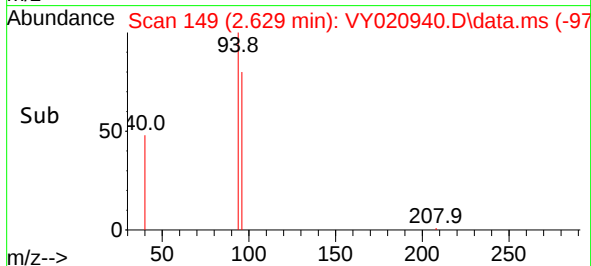
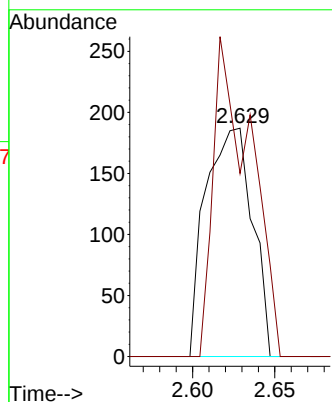
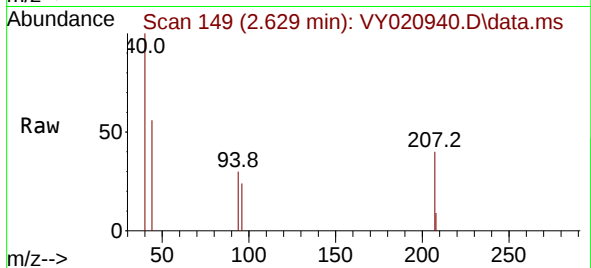




#5
Bromomethane
Concen: 54.098 ug/l
RT: 2.629 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

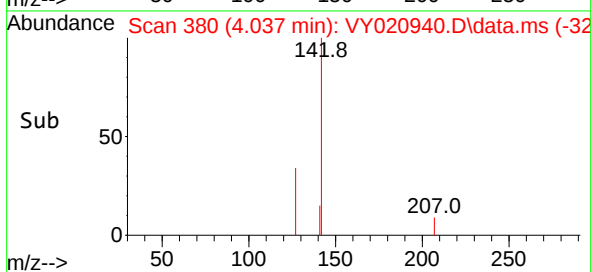
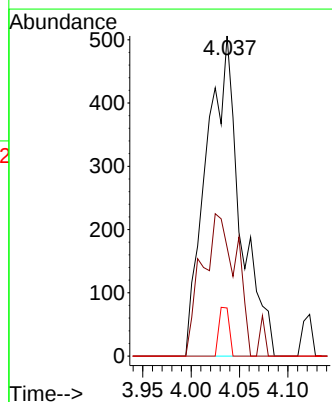
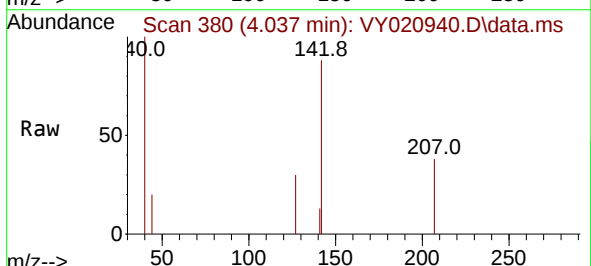
Instrument :
MSVOA_Y
ClientSampleId :

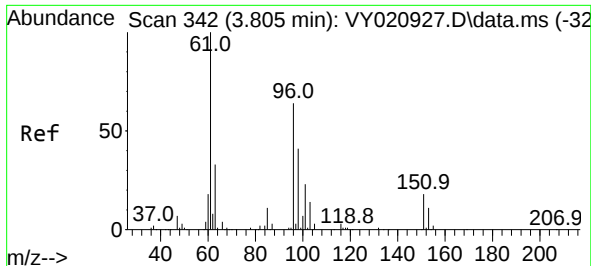
Tgt Ion: 94 Resp: 370
Ion Ratio Lower Upper
94 100
96 80.2 72.6 109.0



#10
Methyl Iodide
Concen: 73.558 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.018 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

Tgt Ion:142 Resp: 1241
Ion Ratio Lower Upper
142 100
127 44.2 37.3 55.9
141 4.5 11.4 17.2#





#12

1,1-Dichloroethene

Concen: 1.496 ug/l

RT: 3.860 min Scan# 3

Delta R.T. 0.055 min

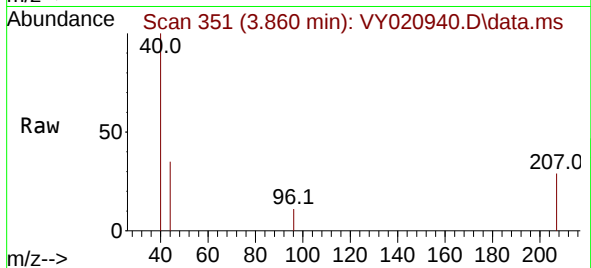
Lab File: VY020940.D

Acq: 27 Jan 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :



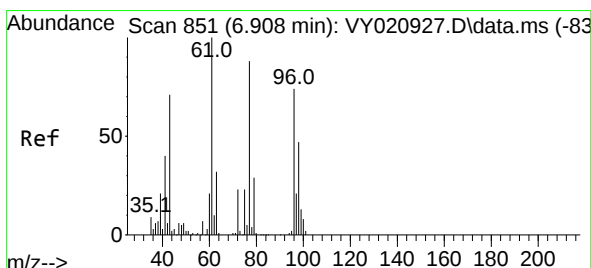
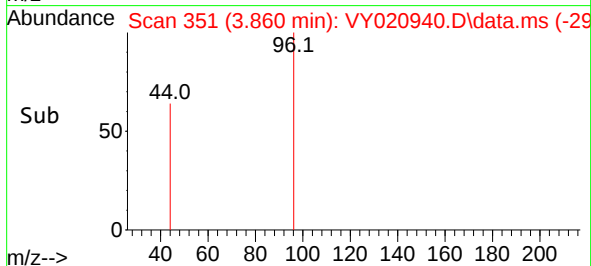
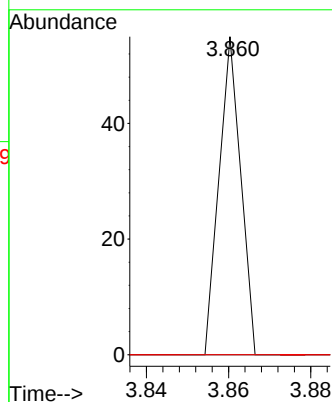
Tgt Ion: 96 Resp: 20

Ion Ratio Lower Upper

96 100

61 0.0 124.5 186.7#

98 0.0 50.5 75.7#



#27

cis-1,2-Dichloroethene

Concen: 1.229 ug/l

RT: 7.024 min Scan# 870

Delta R.T. 0.116 min

Lab File: VY020940.D

Acq: 27 Jan 2025 11:20

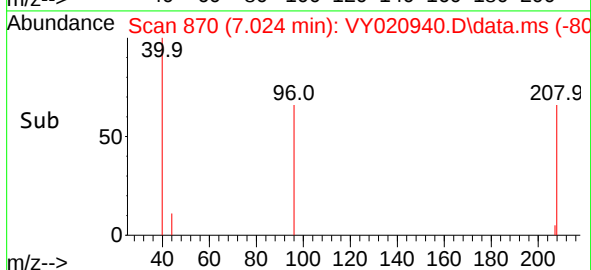
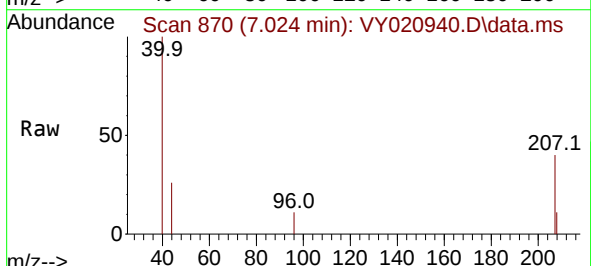
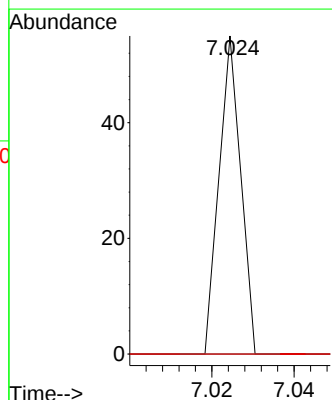
Tgt Ion: 96 Resp: 20

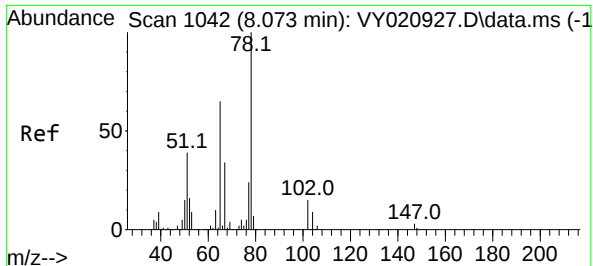
Ion Ratio Lower Upper

96 100

61 0.0 0.0 275.2

98 0.0 0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 87.499 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY020940.D

Acq: 27 Jan 2025 11:20

Instrument :

MSVOA_Y

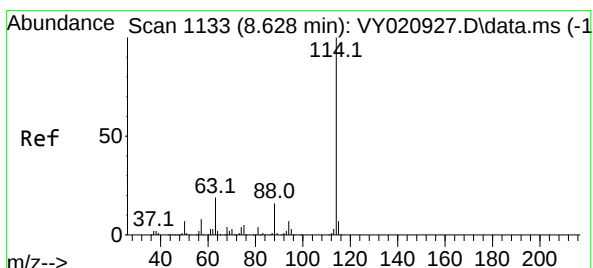
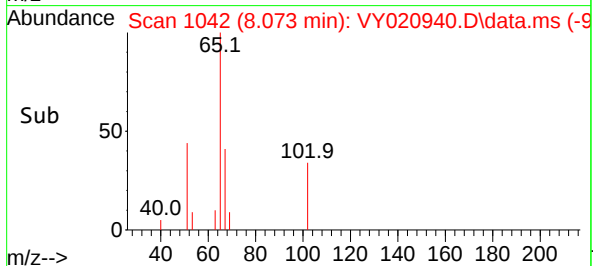
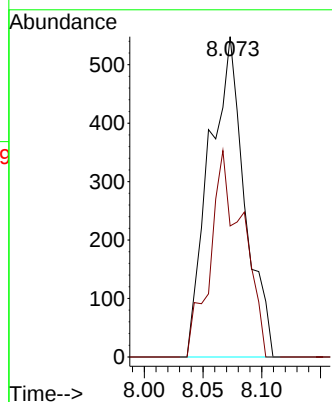
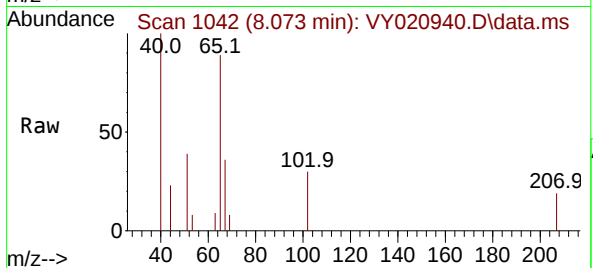
ClientSampleId :

Tgt Ion: 65 Resp: 1149

Ion Ratio Lower Upper

65 100

67 59.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020940.D

Acq: 27 Jan 2025 11:20

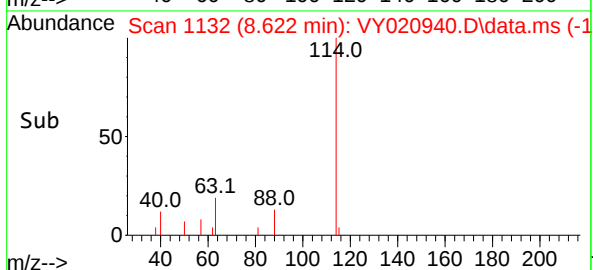
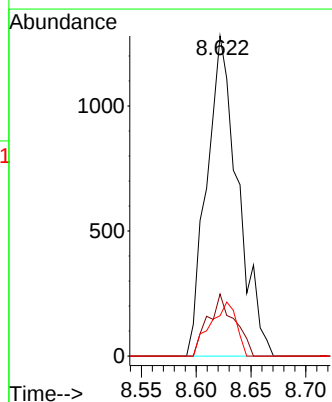
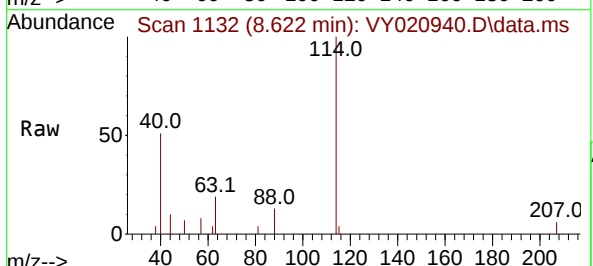
Tgt Ion: 114 Resp: 2531

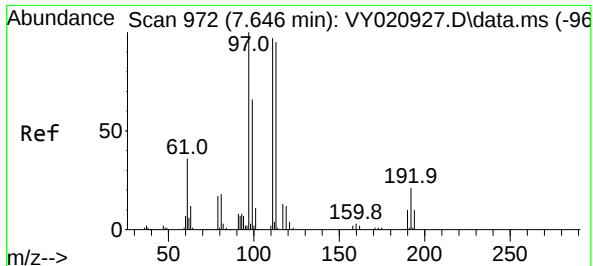
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

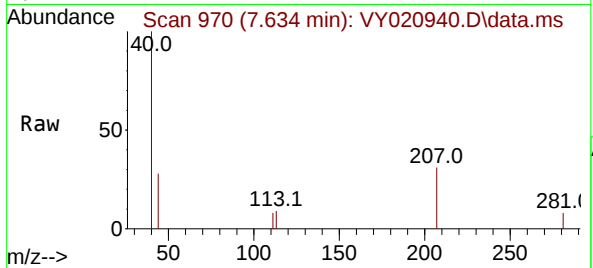
88 12.6 0.0 31.6



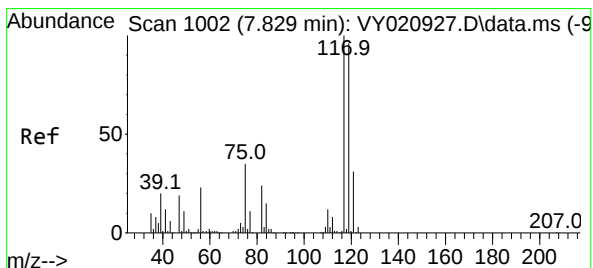
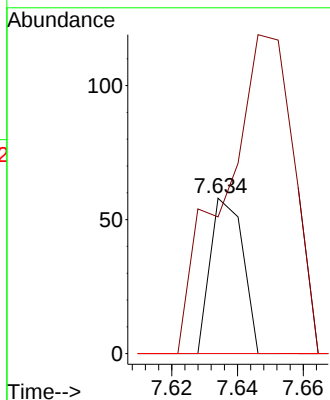
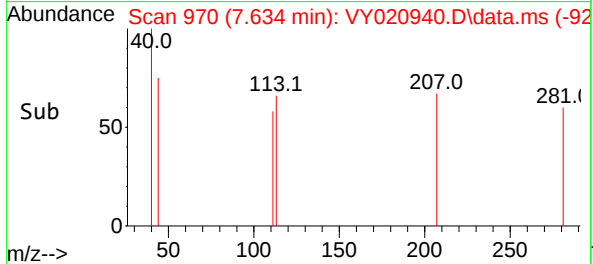


#35
Dibromofluoromethane
Concen: 2.753 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

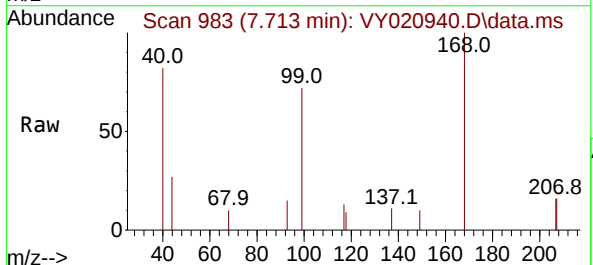
Instrument :
MSVOA_Y
ClientSampleId :



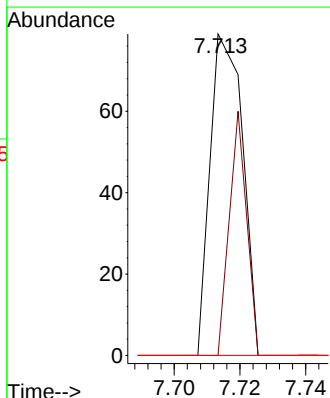
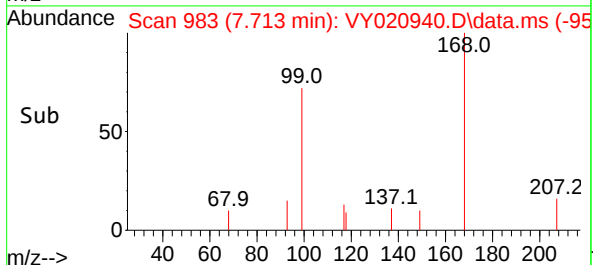
Tgt Ion:113 Resp: 40
Ion Ratio Lower Upper
113 100
111 432.5 82.3 123.5#
192 0.0 17.4 26.2#

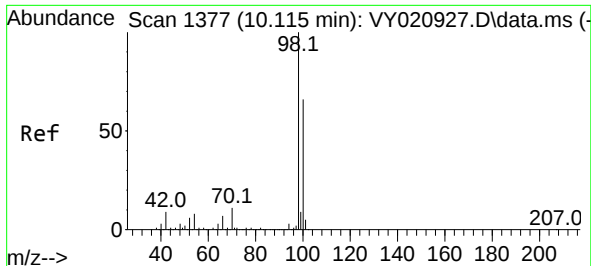


#38
Carbon Tetrachloride
Concen: 2.207 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20



Tgt Ion:117 Resp: 54
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 25.0 37.4#

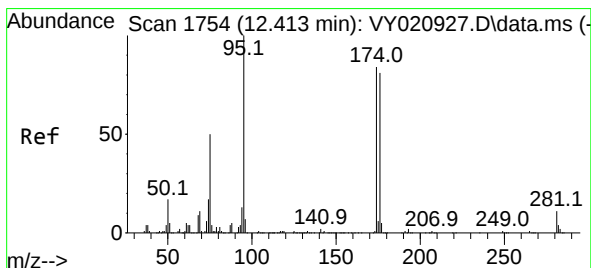
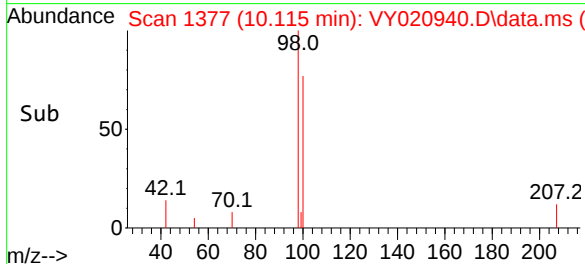
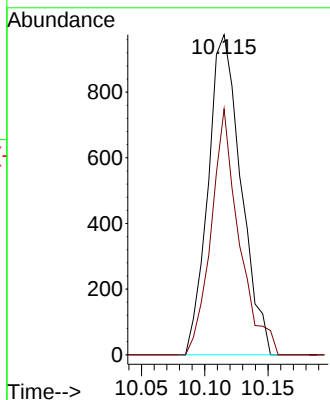
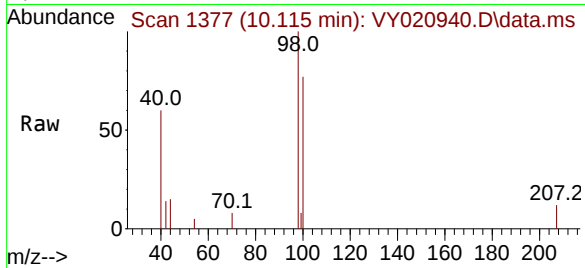




#50
Toluene-d8
Concen: 31.352 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

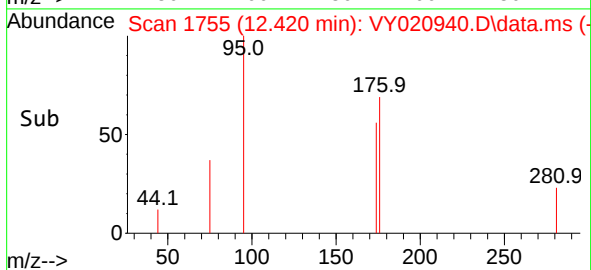
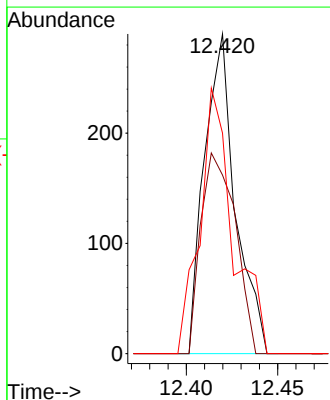
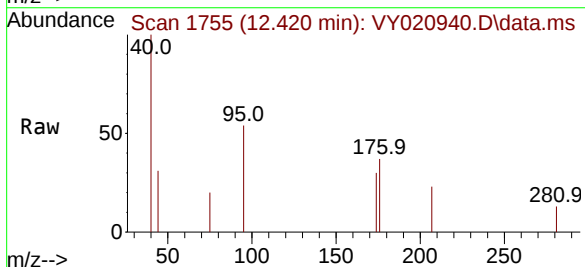
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ClientSampleId :

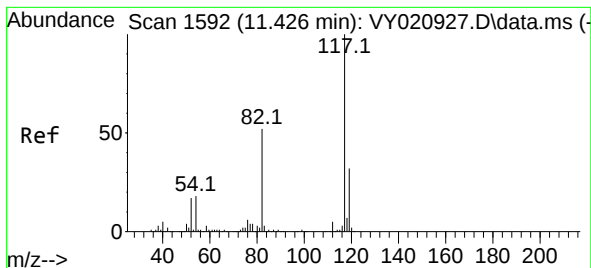
Tgt Ion: 98 Resp: 1767
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 18.180 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

Tgt Ion: 95 Resp: 341
Ion Ratio Lower Upper
95 100
174 70.1 0.0 177.4
176 89.4 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 11

Delta R.T. 0.006 min

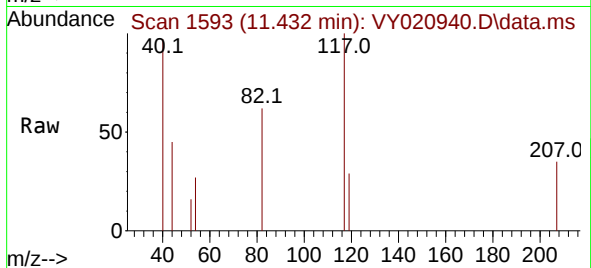
Lab File: VY020940.D

Acq: 27 Jan 2025 11:20

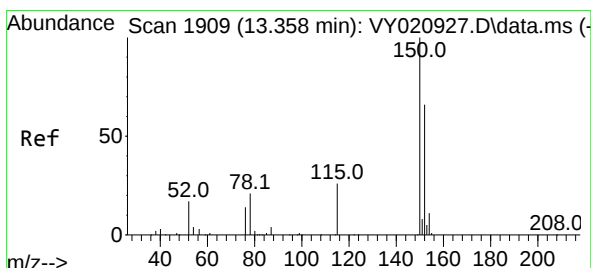
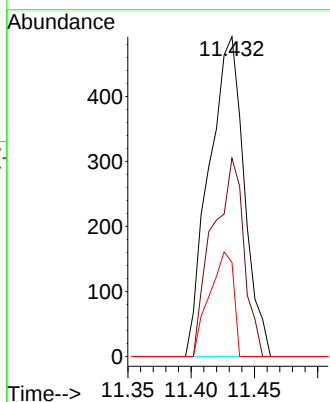
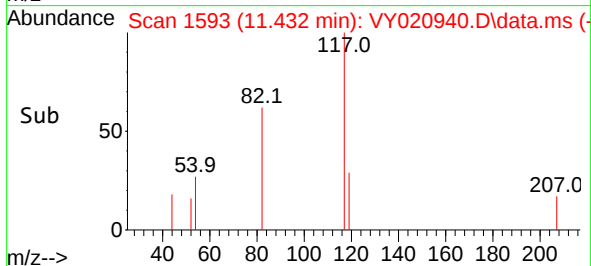
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117	Resp:	950
Ion	Ratio	Lower Upper
117	100	
82	62.0	41.8 62.8
119	29.5	26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

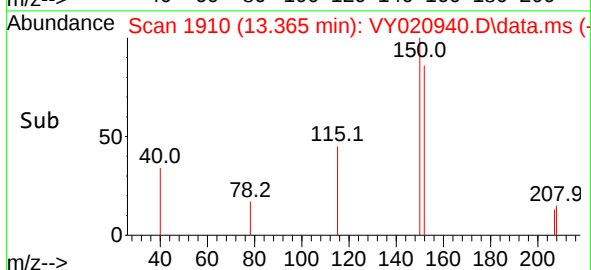
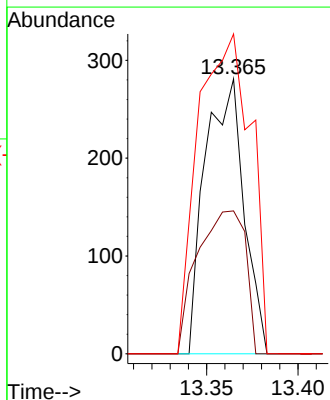
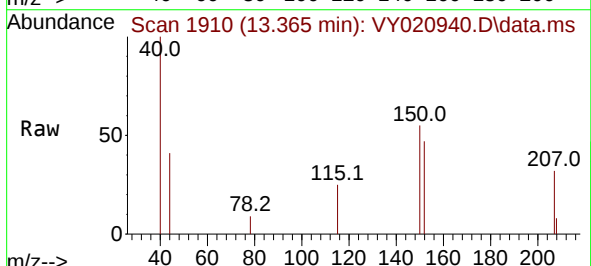
RT: 13.365 min Scan# 1910

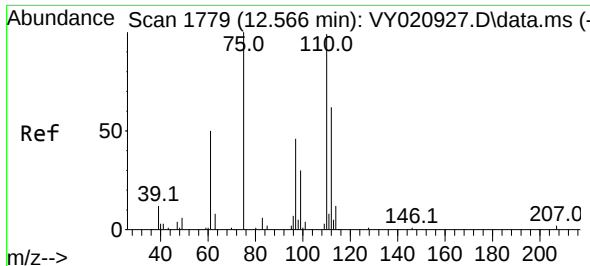
Delta R.T. 0.006 min

Lab File: VY020940.D

Acq: 27 Jan 2025 11:20

Tgt Ion:152	Resp:	414
Ion	Ratio	Lower Upper
152	100	
115	64.7	29.0 87.0
150	157.7	0.0 347.6

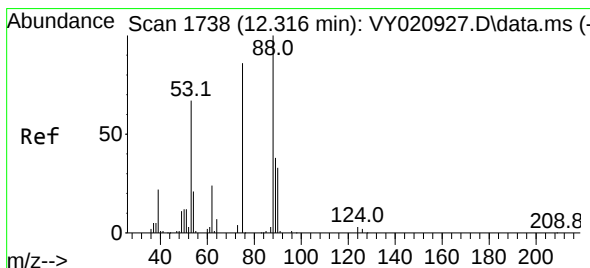
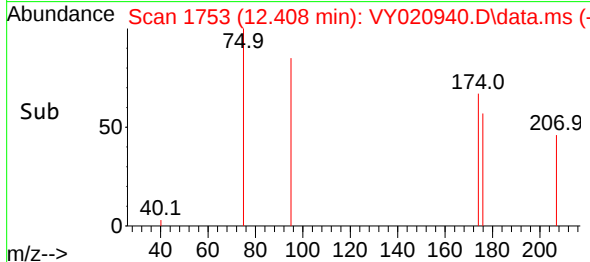
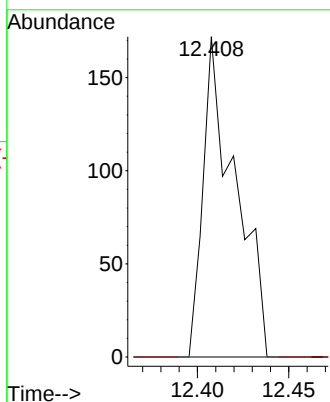
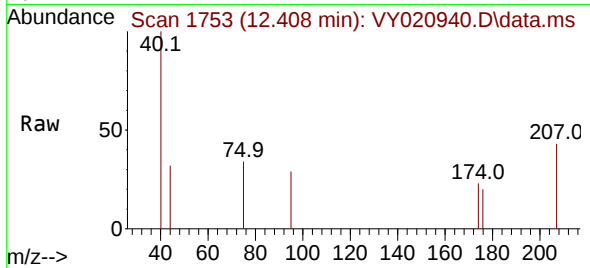




#76
 1,2,3-Trichloropropane
 Concen: 71.742 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.158 min
 Lab File: VY020940.D
 Acq: 27 Jan 2025 11:20

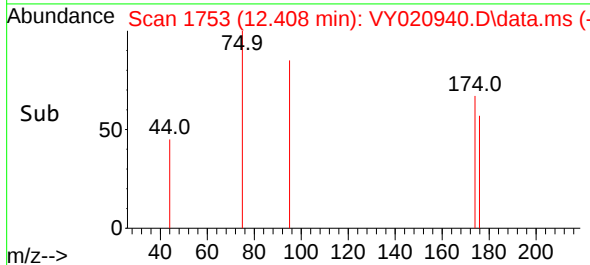
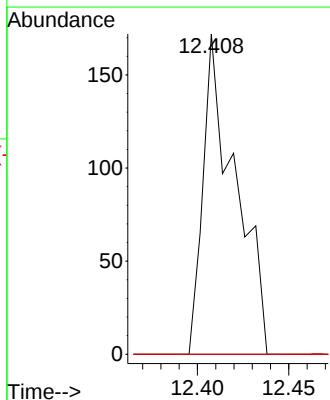
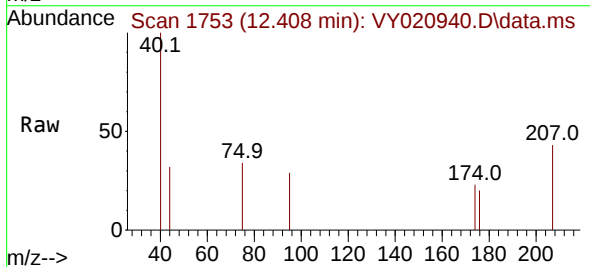
Instrument :
 MSVOA_Y
 ClientSampleId :

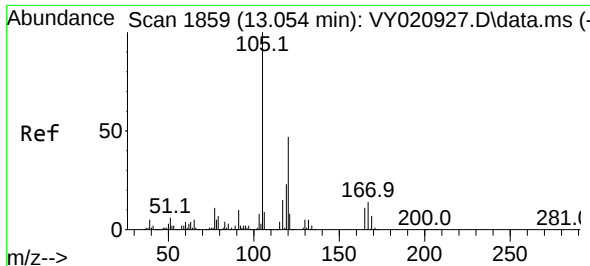
Tgt Ion: 75 Resp: 210
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.606 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.092 min
 Lab File: VY020940.D
 Acq: 27 Jan 2025 11:20

Tgt Ion: 75 Resp: 210
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.0 38.4 57.6#

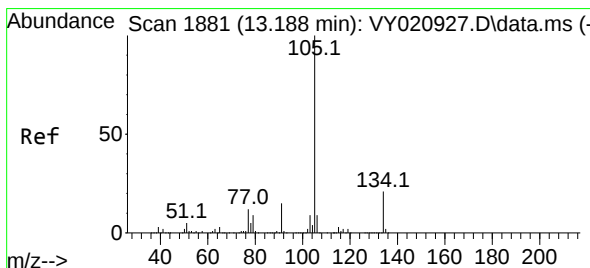
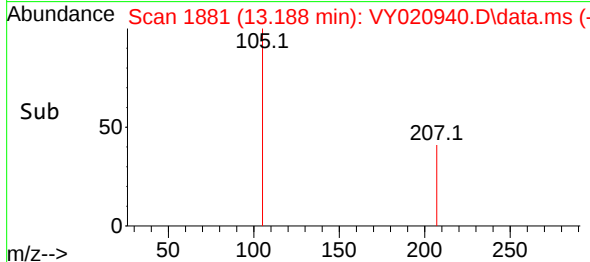
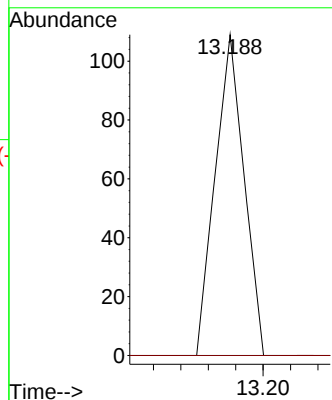
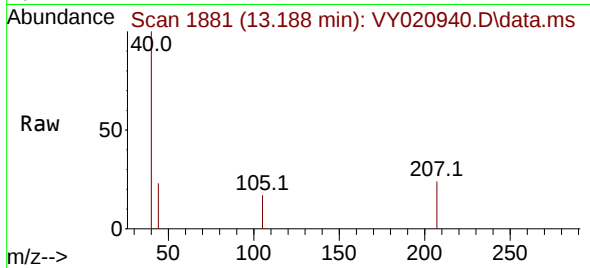




#84
1,2,4-Trimethylbenzene
Concen: 3.503 ug/l
RT: 13.188 min Scan# 1881
Delta R.T. 0.134 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

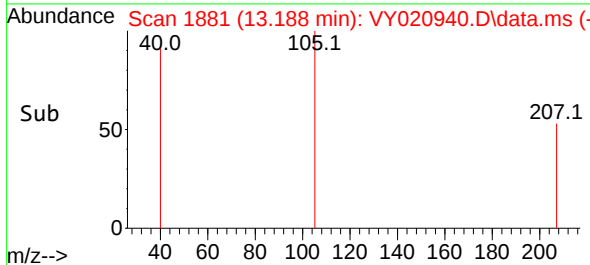
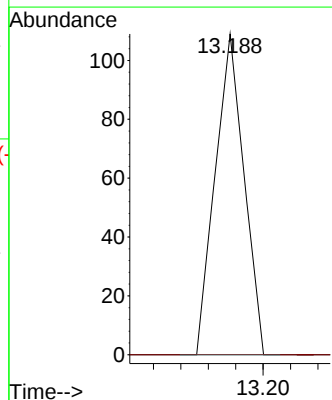
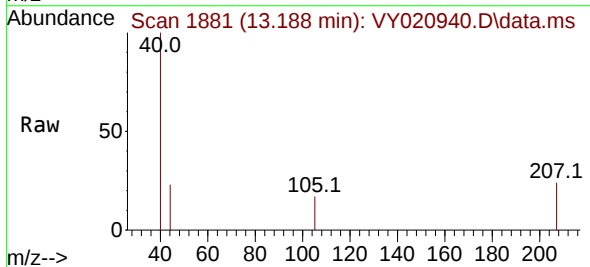
Instrument :
MSVOA_Y
ClientSampleId :

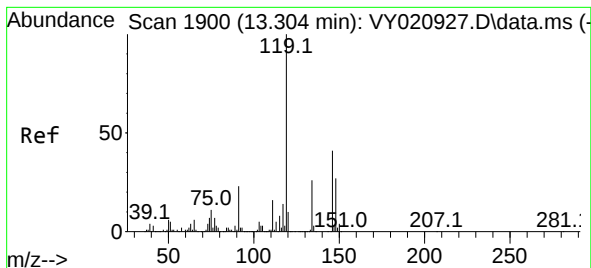
Tgt Ion:105 Resp: 79
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#85
sec-Butylbenzene
Concen: 2.622 ug/l
RT: 13.188 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

Tgt Ion:105 Resp: 79
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.4#

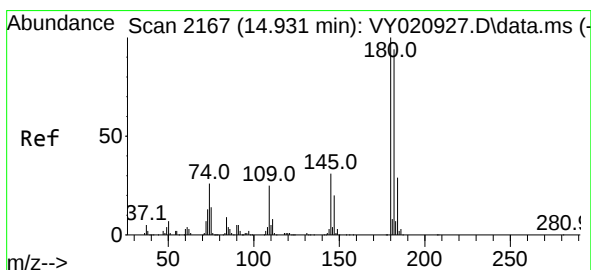
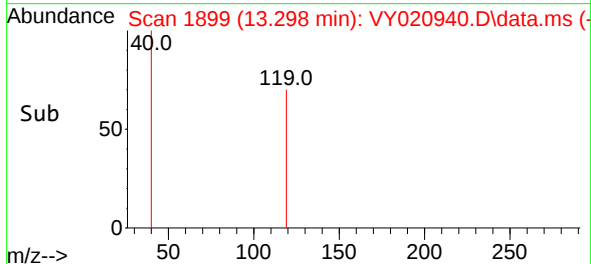
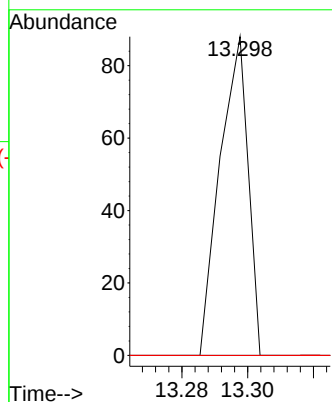
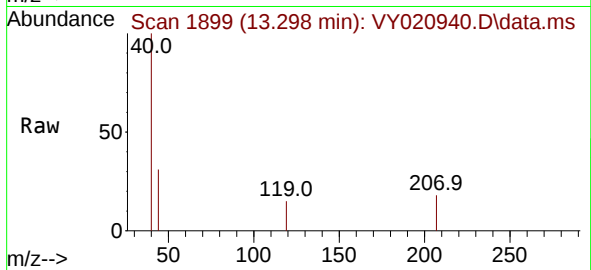




#86
p-Isopropyltoluene
Concen: 2.043 ug/l
RT: 13.298 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

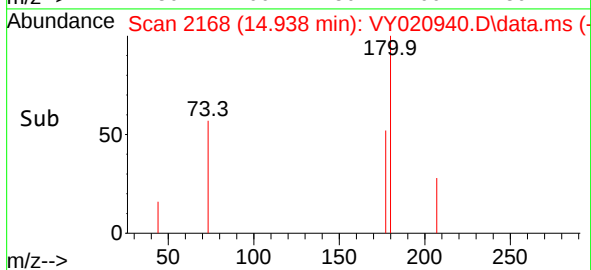
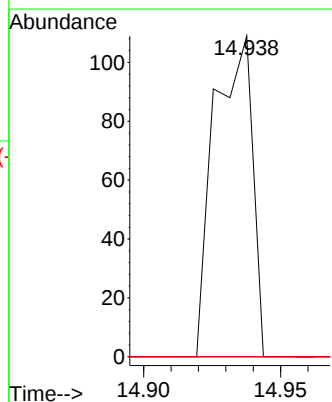
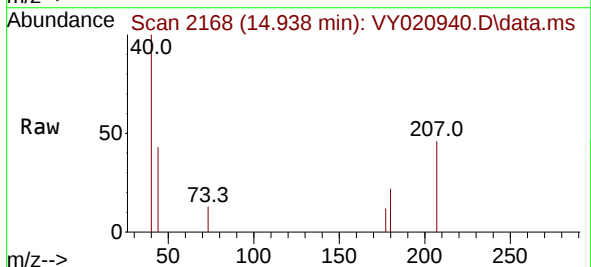
Instrument :
MSVOA_Y
ClientSampleId :

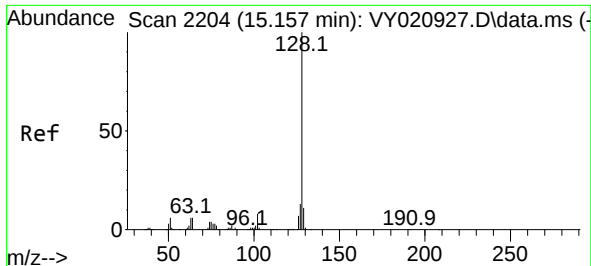
Tgt Ion:119 Resp: 52
Ion Ratio Lower Upper
119 100
134 0.0 13.3 39.8#
91 0.0 11.6 34.7#



#93
1,2,4-Trichlorobenzene
Concen: 15.741 ug/l
RT: 14.938 min Scan# 2168
Delta R.T. 0.006 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

Tgt Ion:180 Resp: 105
Ion Ratio Lower Upper
180 100
182 0.0 47.0 141.2#
145 0.0 14.9 44.5#

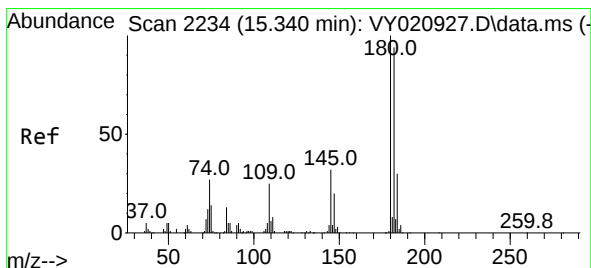
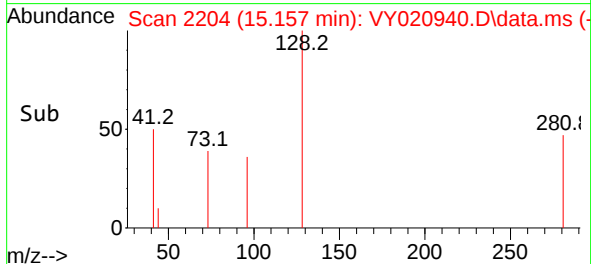
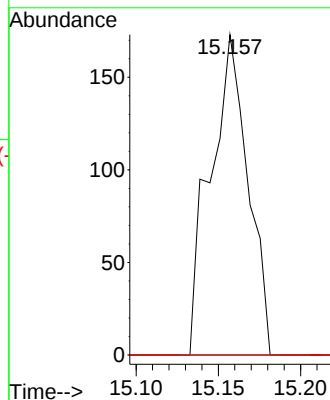
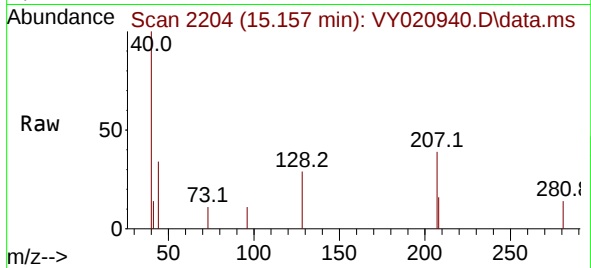




#95
Naphthalene
Concen: 25.802 ug/l
RT: 15.157 min Scan# 211
Delta R.T. 0.000 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 276
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 15.167 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020940.D
Acq: 27 Jan 2025 11:20

Tgt Ion:180 Resp: 85
Ion Ratio Lower Upper
180 100
182 28.2 47.5 142.6#
145 0.0 15.7 47.0#

