

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010725\
 Data File : VY020794.D
 Acq On : 07 Jan 2025 15:56
 Operator : SY/MD
 Sample : Q1029-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 08 00:55:24 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)

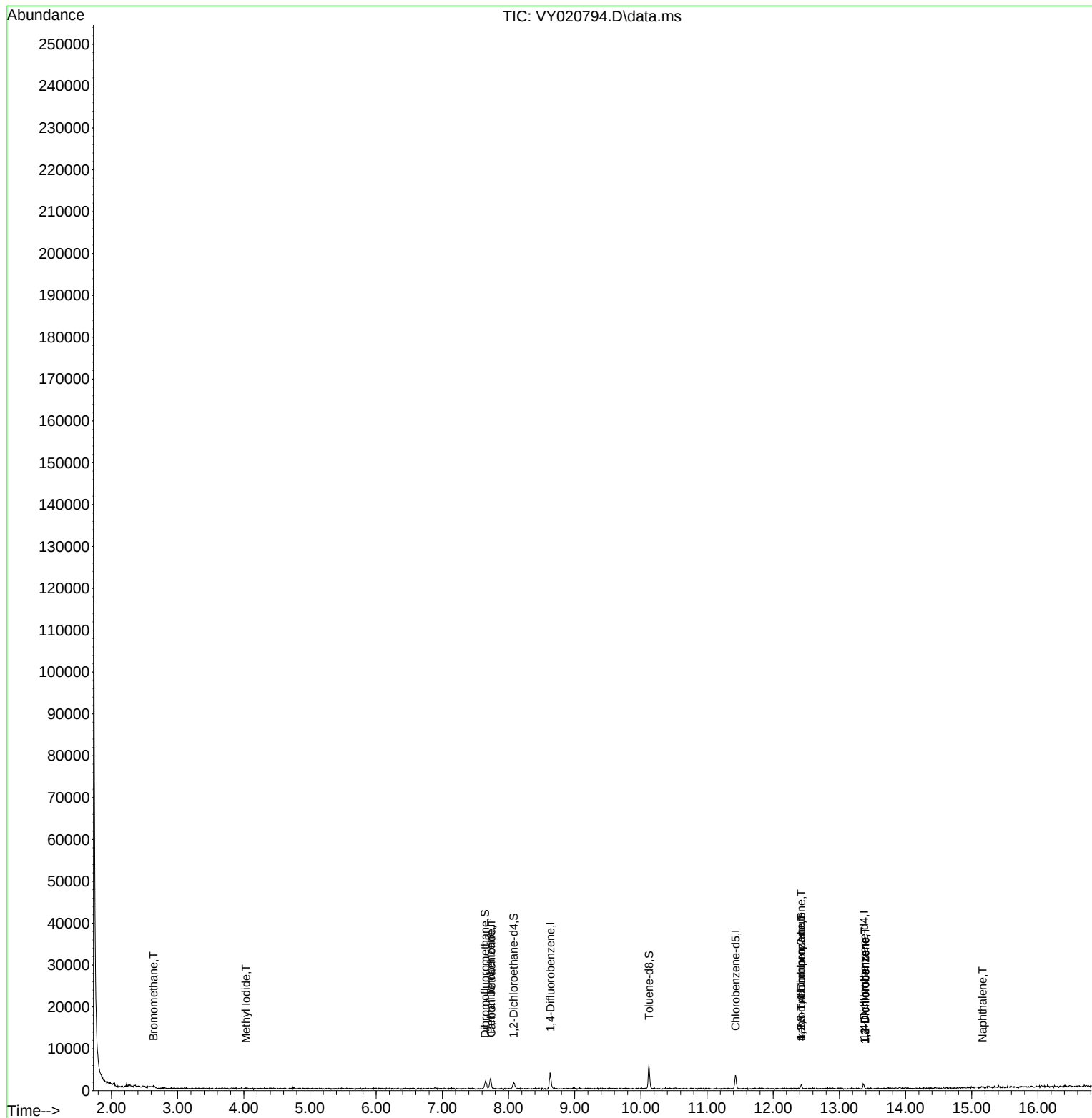
Internal Standards						
1) Pentafluorobenzene	7.732	168	2362	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.634	114	3597	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.432	117	2242	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.371	152	390	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	1461	72.773	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.540%	
35) Dibromofluoromethane	7.646	113	1443	64.034	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.060%	
50) Toluene-d8	10.121	98	4099	52.179	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.360%	
62) 4-Bromofluorobenzene	12.420	95	391	13.478	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 26.960%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.635	94	58	8.026	ug/l #	77
10) Methyl Iodide	4.031	142	227	10.073	ug/l #	56
38) Carbon Tetrachloride	7.738	117	186	4.649	ug/l #	12
76) 1,2,3-Trichloropropane	12.420	75	198	58.023	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	198	122.344	ug/l #	14
87) 1,3-Dichlorobenzene	13.389	146	40	2.886	ug/l #	25
88) 1,4-Dichlorobenzene	13.389	146	40	2.932	ug/l #	25
91) 1,2-Dichlorobenzene	13.389	146	40	3.301	ug/l #	25
95) Naphthalene	15.163	128	234	20.386	ug/l #	69

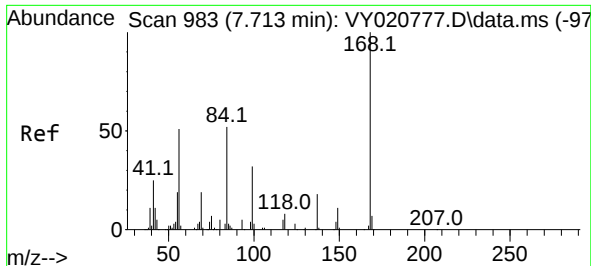
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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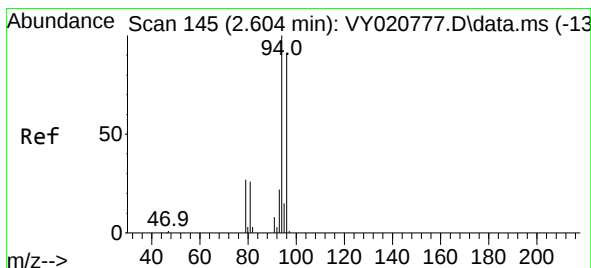
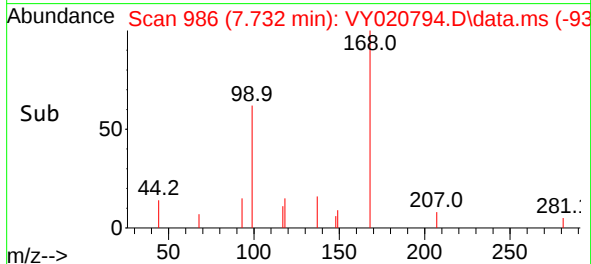
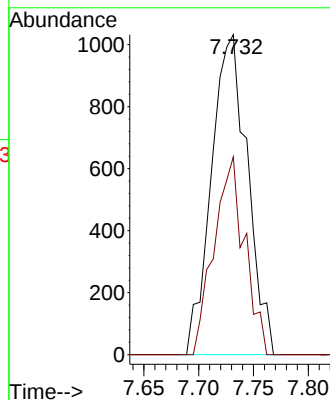
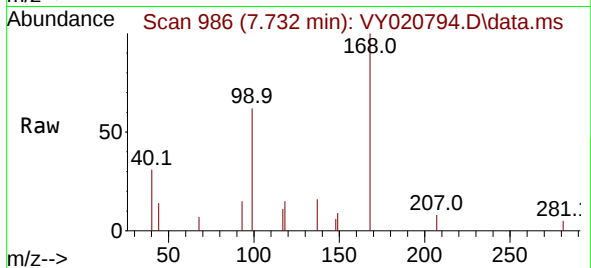




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.732 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY020794.D
Acq: 07 Jan 2025 15:56

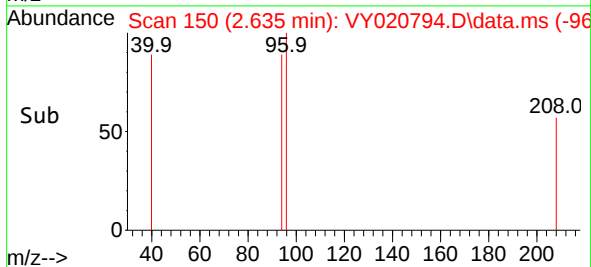
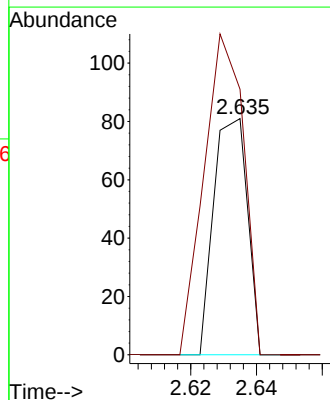
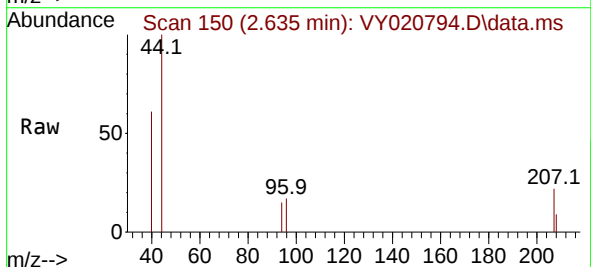
Instrument :
MSVOA_Y
ClientSampleId :

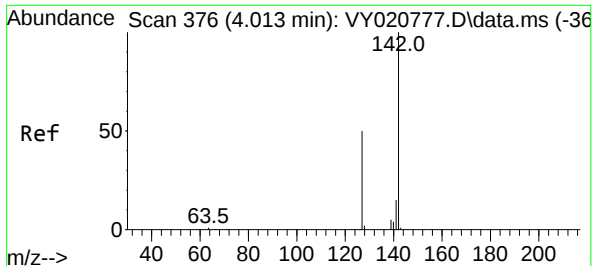
Tgt Ion:168 Resp: 2362
Ion Ratio Lower Upper
168 100
99 61.8 44.3 66.5



#5
Bromomethane
Concen: 8.026 ug/l
RT: 2.635 min Scan# 150
Delta R.T. 0.031 min
Lab File: VY020794.D
Acq: 07 Jan 2025 15:56

Tgt Ion: 94 Resp: 58
Ion Ratio Lower Upper
94 100
96 112.3 72.6 109.0#





#10

Methyl Iodide

Concen: 10.073 ug/l

RT: 4.031 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

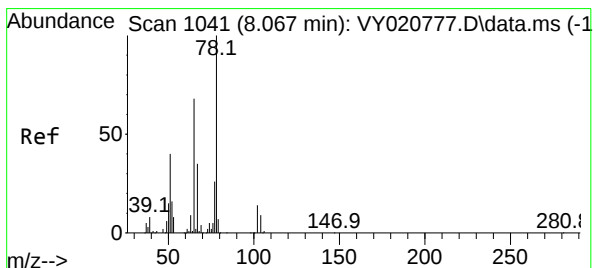
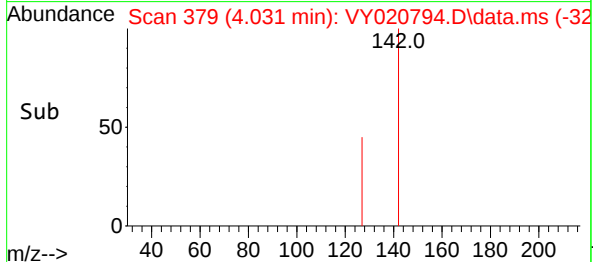
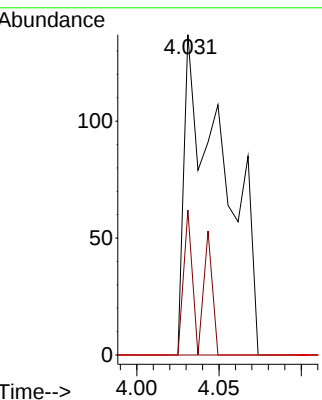
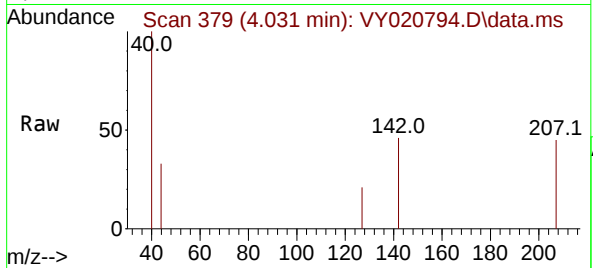
Tgt Ion:142 Resp: 227

Ion Ratio Lower Upper

142 100

127 18.5 41.0 61.6#

141 0.0 11.6 17.4#



#33

1,2-Dichloroethane-d4

Concen: 72.773 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.012 min

Lab File: VY020794.D

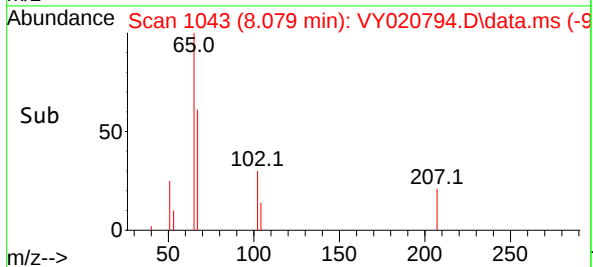
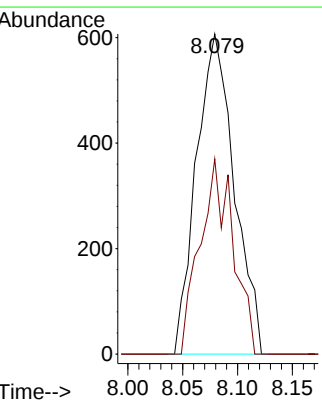
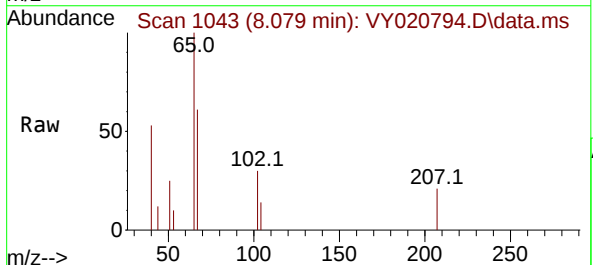
Acq: 07 Jan 2025 15:56

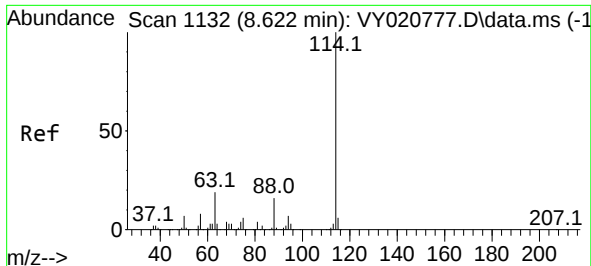
Tgt Ion: 65 Resp: 1461

Ion Ratio Lower Upper

65 100

67 53.3 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.634 min Scan# 1134

Delta R.T. 0.012 min

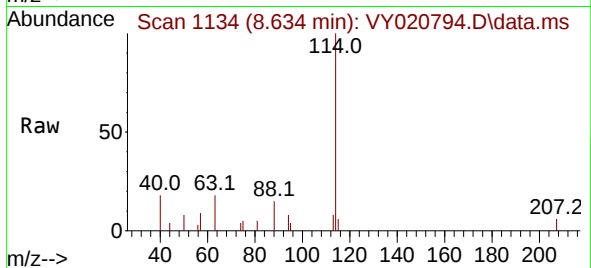
Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :



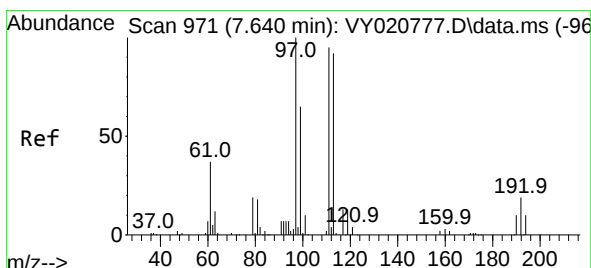
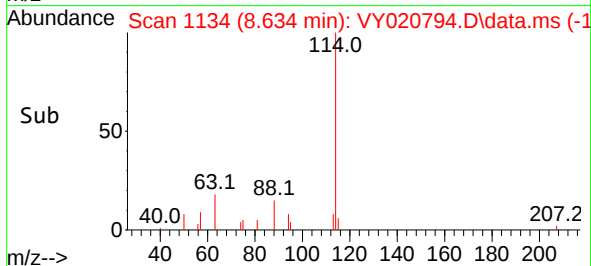
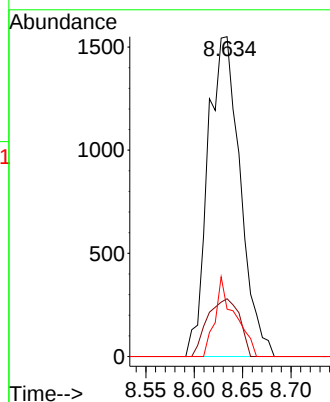
Tgt Ion:114 Resp: 3597

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 64.034 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

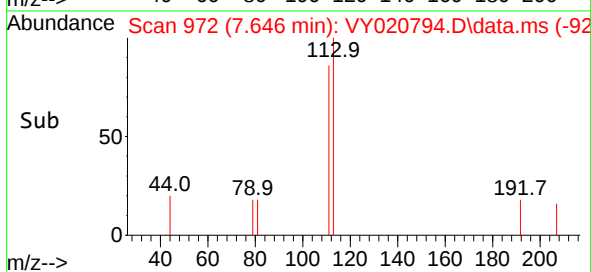
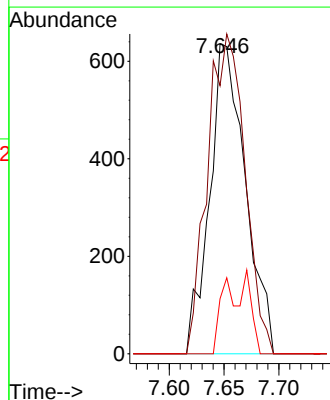
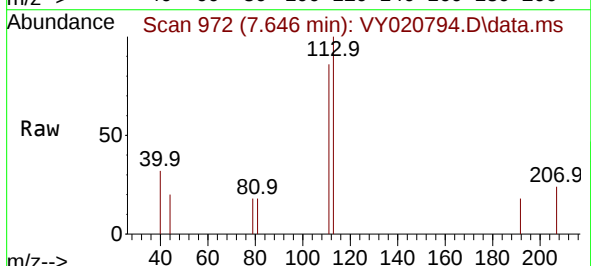
Tgt Ion:113 Resp: 1443

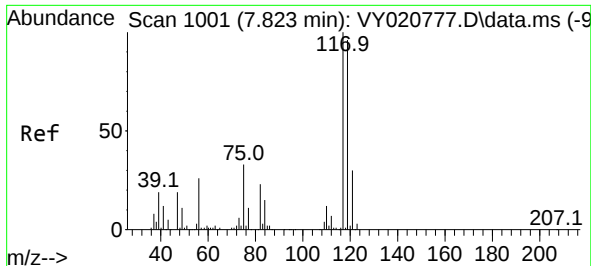
Ion Ratio Lower Upper

113 100

111 107.9 81.7 122.5

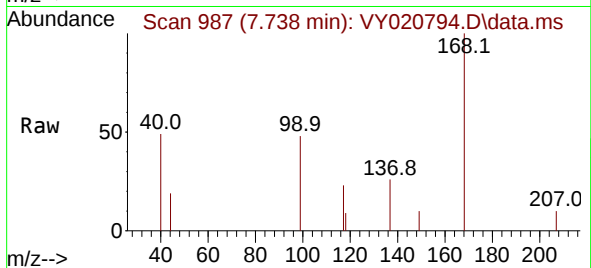
192 0.0 16.7 25.1#



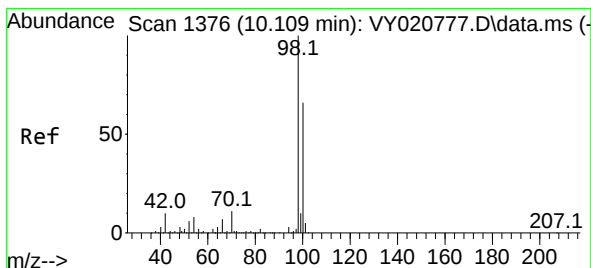
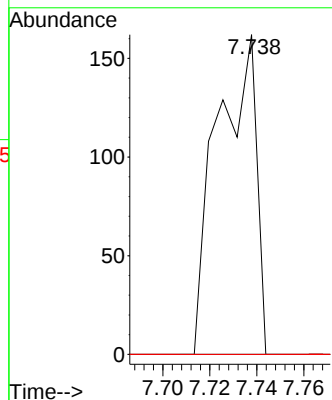
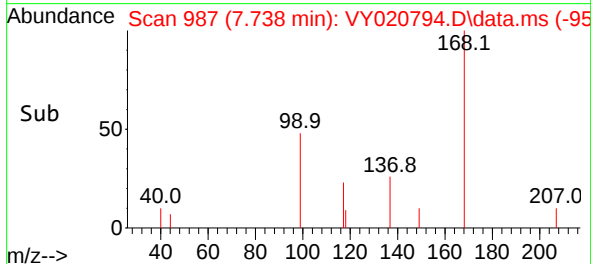


#38
Carbon Tetrachloride
Concen: 4.649 ug/l
RT: 7.738 min Scan# 91
Delta R.T. -0.085 min
Lab File: VY020794.D
Acq: 07 Jan 2025 15:56

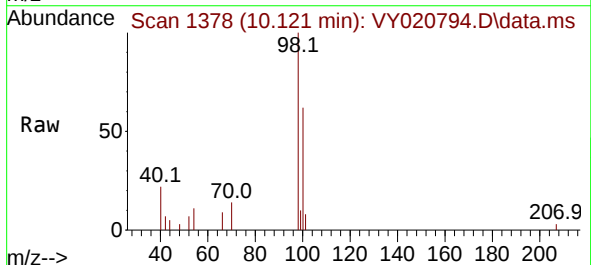
Instrument :
MSVOA_Y
ClientSampleId :



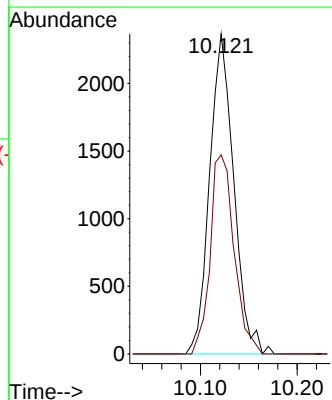
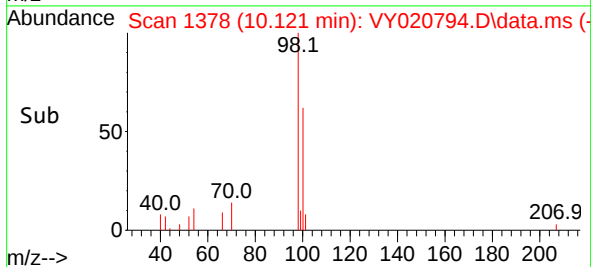
Tgt Ion:117 Resp: 186
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 24.3 36.5#

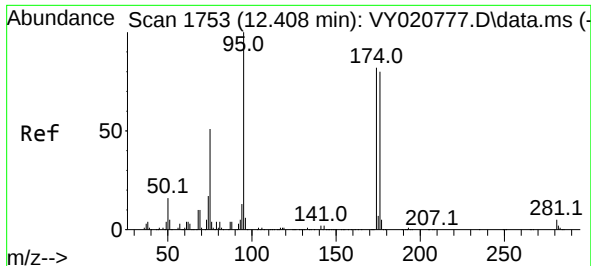


#50
Toluene-d8
Concen: 52.179 ug/l
RT: 10.121 min Scan# 1378
Delta R.T. 0.012 min
Lab File: VY020794.D
Acq: 07 Jan 2025 15:56



Tgt Ion: 98 Resp: 4099
Ion Ratio Lower Upper
98 100
100 61.8 52.5 78.7

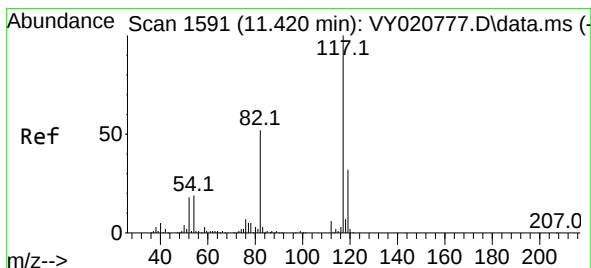
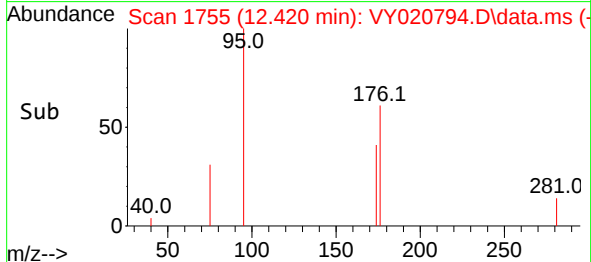
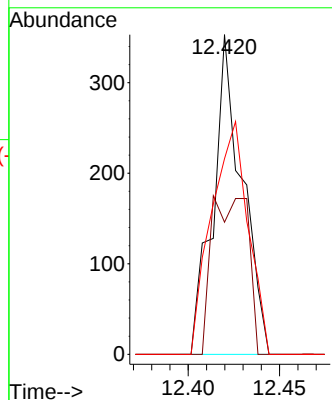
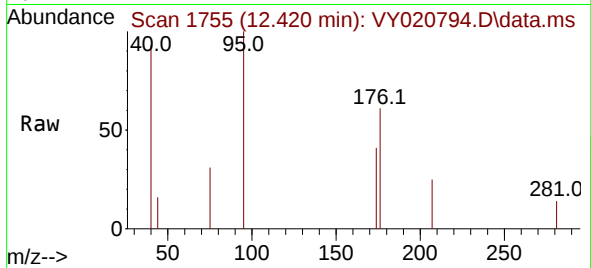




#62
4-Bromofluorobenzene
Concen: 13.478 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.012 min
Lab File: VY020794.D
Acq: 07 Jan 2025 15:56

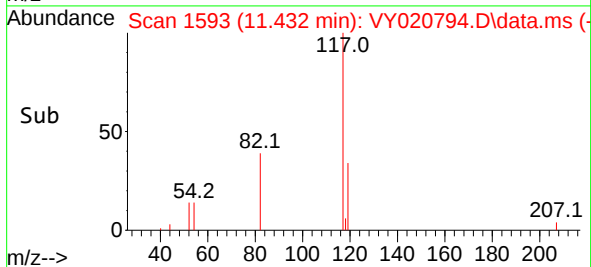
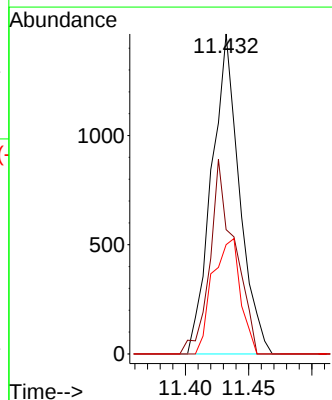
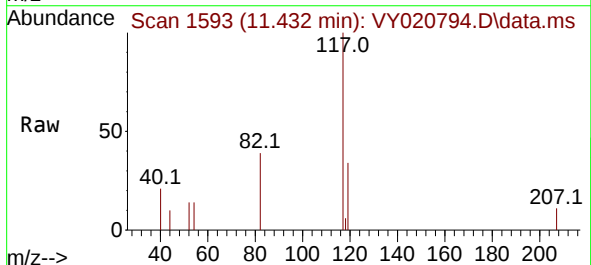
Instrument :
MSVOA_Y
ClientSampleId :

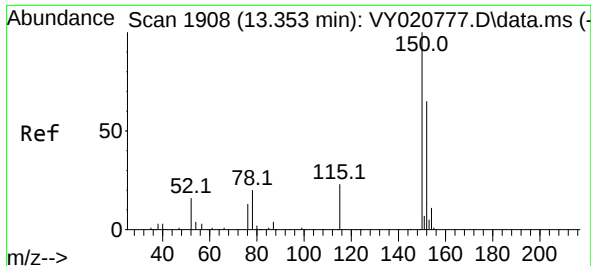
Tgt Ion: 95 Resp: 391
Ion Ratio Lower Upper
95 100
174 62.1 0.0 178.0
176 91.3 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.432 min Scan# 1593
Delta R.T. 0.012 min
Lab File: VY020794.D
Acq: 07 Jan 2025 15:56

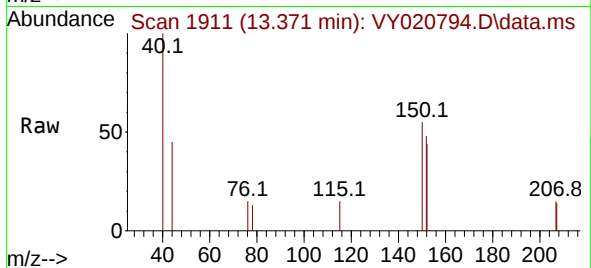
Tgt Ion: 117 Resp: 2242
Ion Ratio Lower Upper
117 100
82 38.8 41.8 62.6#
119 34.1 25.8 38.8



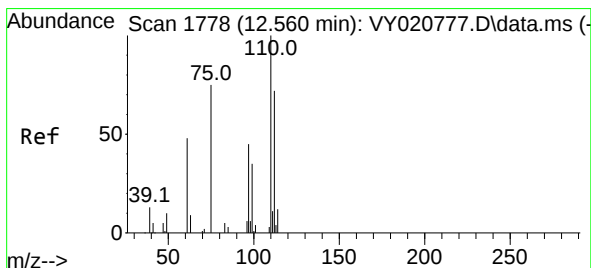
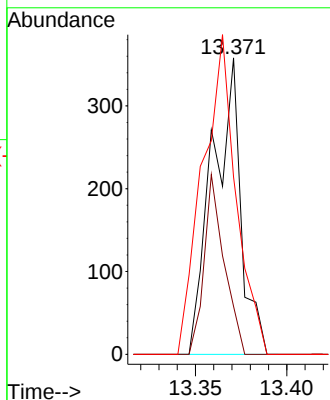
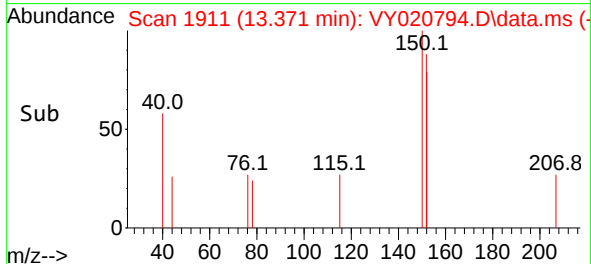


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.371 min Scan# 1908
 Delta R.T. 0.018 min
 Lab File: VY020794.D
 Acq: 07 Jan 2025 15:56

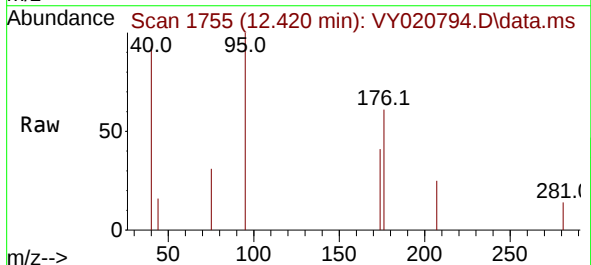
Instrument :
 MSVOA_Y
 ClientSampleId :



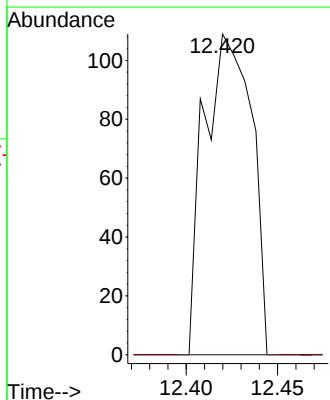
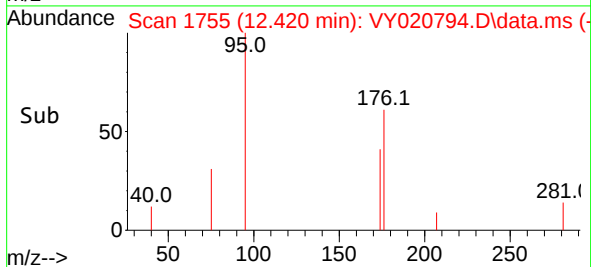
Tgt Ion:152 Resp: 390
 Ion Ratio Lower Upper
 152 100
 115 42.3 29.0 87.0
 150 125.9 0.0 347.4

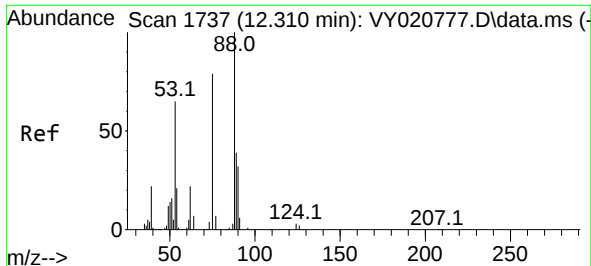


#76
 1,2,3-Trichloropropane
 Concen: 58.023 ug/l
 RT: 12.420 min Scan# 1755
 Delta R.T. -0.140 min
 Lab File: VY020794.D
 Acq: 07 Jan 2025 15:56



Tgt Ion: 75 Resp: 198
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

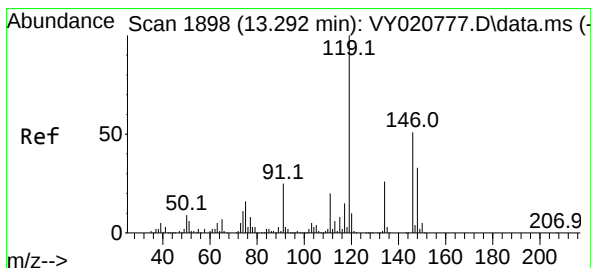
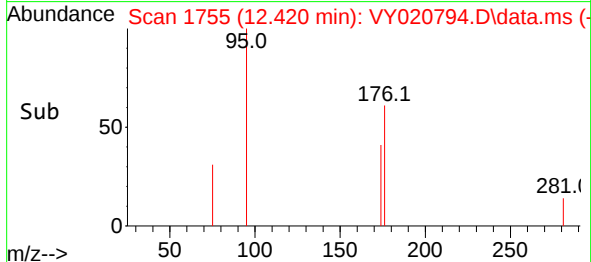
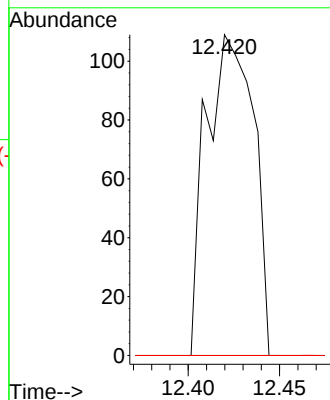
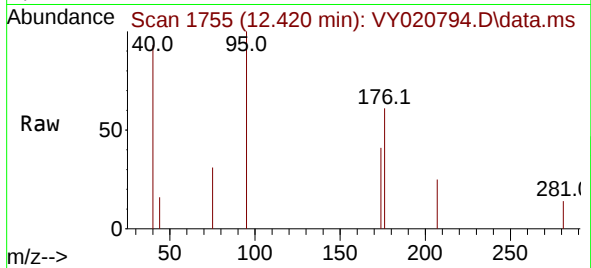




#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.344 ug/l
 RT: 12.420 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY020794.D
 Acq: 07 Jan 2025 15:56

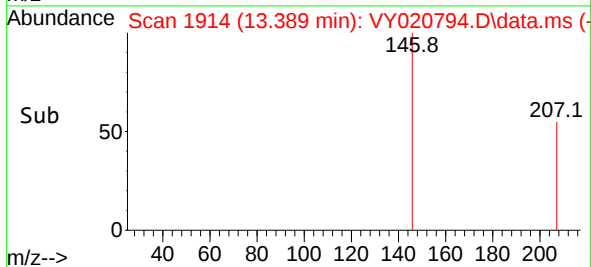
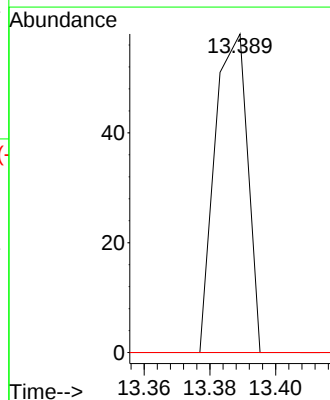
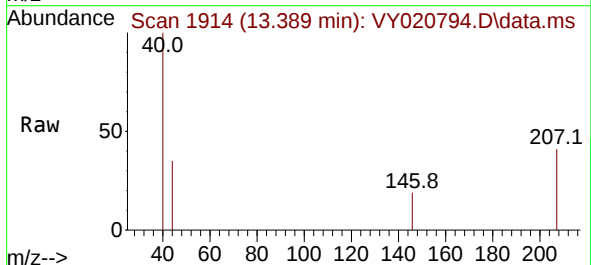
Instrument :
 MSVOA_Y
 ClientSampleId :

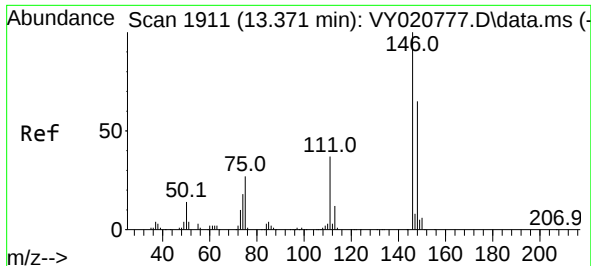
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.4	104.0#
89	0.0	39.6	59.4#



#87
 1,3-Dichlorobenzene
 Concen: 2.886 ug/l
 RT: 13.389 min Scan# 1914
 Delta R.T. 0.098 min
 Lab File: VY020794.D
 Acq: 07 Jan 2025 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.5	58.5#
148	0.0	31.8	95.4#

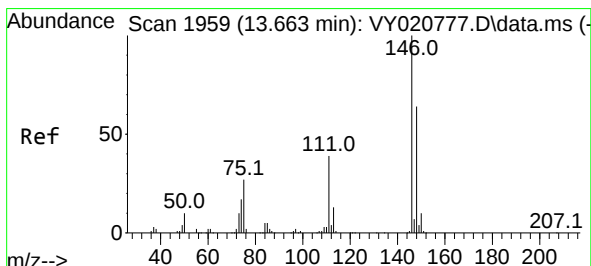
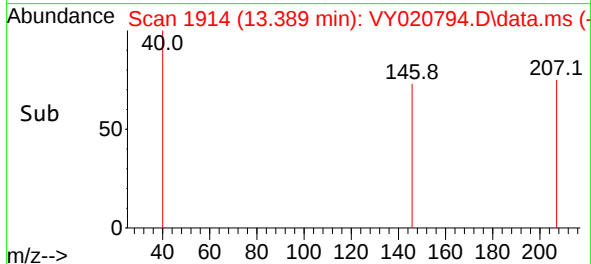
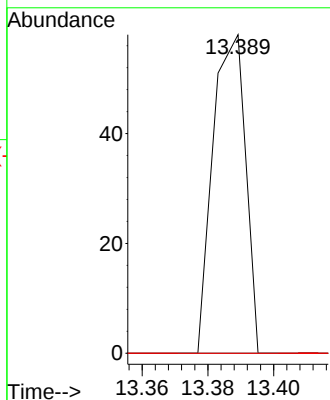
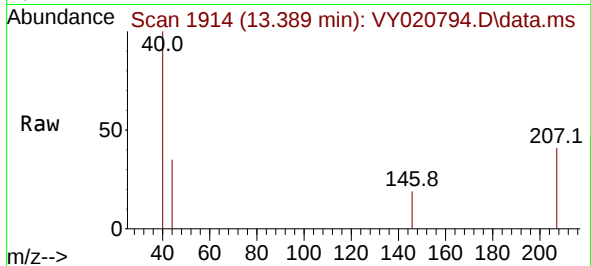




#88
 1,4-Dichlorobenzene
 Concen: 2.932 ug/l
 RT: 13.389 min Scan# 1914
 Delta R.T. 0.018 min
 Lab File: VY020794.D
 Acq: 07 Jan 2025 15:56

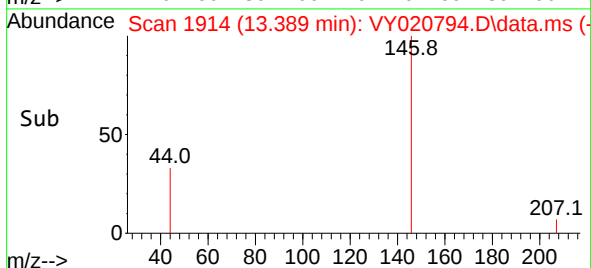
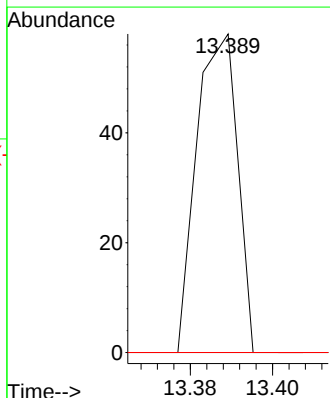
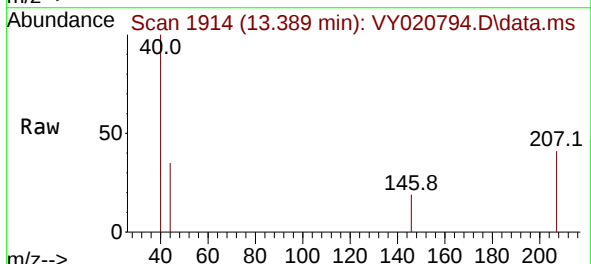
Instrument :
 MSVOA_Y
 ClientSampleId :

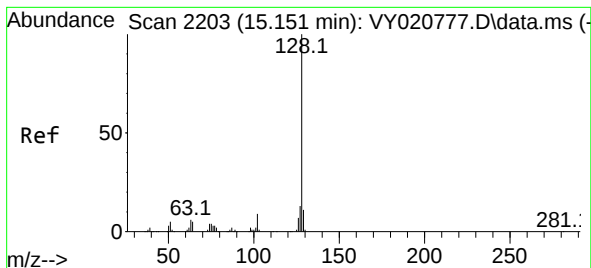
Tgt Ion:146 Resp: 40
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.3#
 148 0.0 32.1 96.5#



#91
 1,2-Dichlorobenzene
 Concen: 3.301 ug/l
 RT: 13.389 min Scan# 1914
 Delta R.T. -0.274 min
 Lab File: VY020794.D
 Acq: 07 Jan 2025 15:56

Tgt Ion:146 Resp: 40
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 0.0 32.0 96.2#





#95

Naphthalene

Concen: 20.386 ug/l

RT: 15.163 min Scan# 21

Delta R.T. 0.012 min

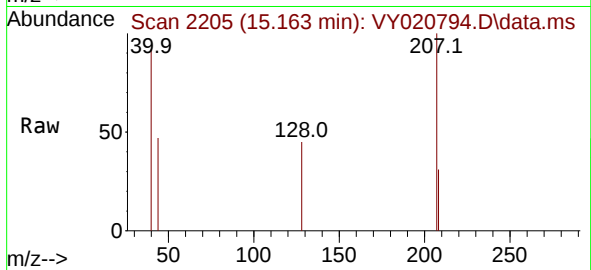
Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 234

Ion	Ratio	Lower	Upper
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128	100		
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127	0.0	10.5	15.7#
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129	0.0	8.6	12.8#
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