

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020874.D
 Acq On : 20 Jan 2025 12:16
 Operator : SY/MD
 Sample : Q1110-02RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:40:10 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)

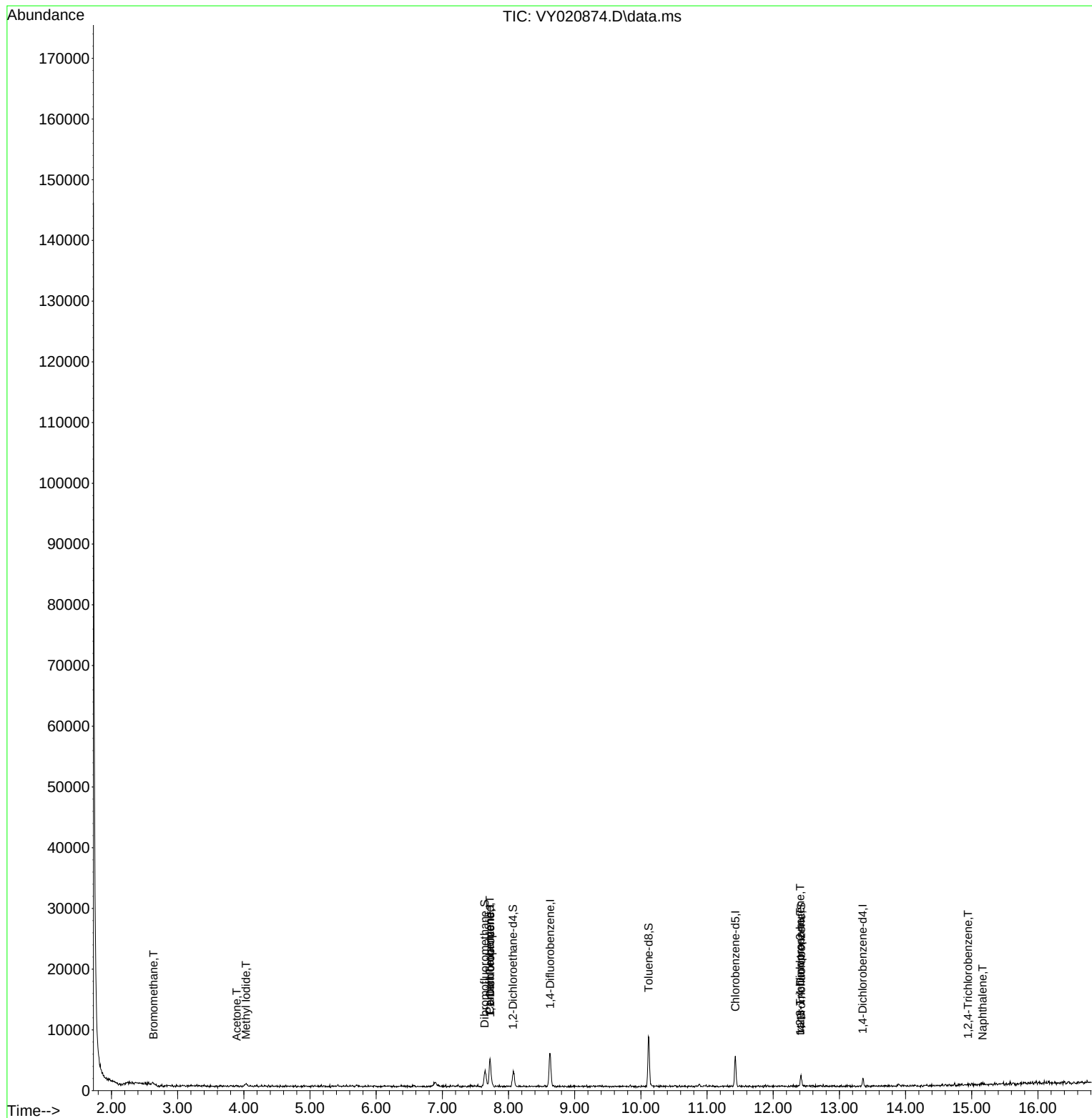
Internal Standards						
1) Pentafluorobenzene	7.719	168	3950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	5835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	3152	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	426	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	2130	63.443	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.880%	
35) Dibromofluoromethane	7.640	113	2206	60.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.700%	
50) Toluene-d8	10.115	98	6170	48.417	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.840%	
62) 4-Bromofluorobenzene	12.420	95	643	13.664	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 27.320%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.635	94	151	12.494	ug/l	83
10) Methyl Iodide	4.031	142	544	14.434	ug/l #	59
16) Acetone	3.891	43	89	18.642	ug/l #	41
36) 1,1-Dichloropropene	7.725	75	257	5.512	ug/l #	40
38) Carbon Tetrachloride	7.719	117	389	5.993	ug/l #	12
76) 1,2,3-Trichloropropane	12.408	75	283	75.924	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	283	160.088	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.944	180	19	2.494	ug/l #	12
95) Naphthalene	15.163	128	299	23.847	ug/l #	69

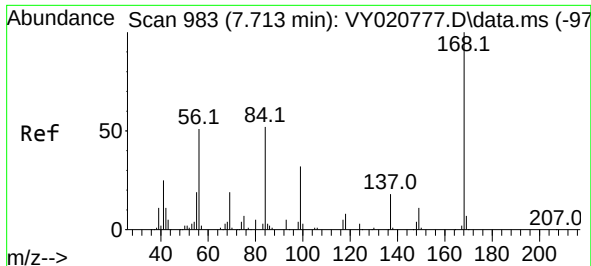
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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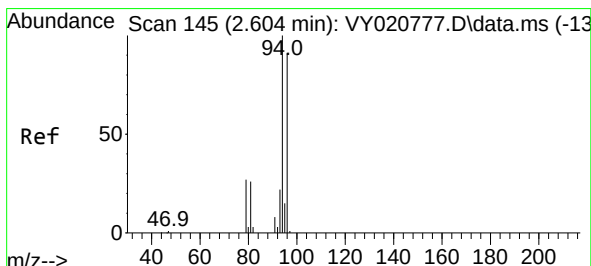
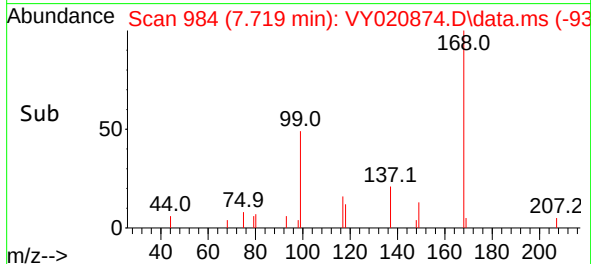
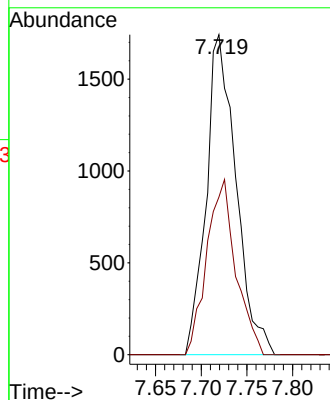
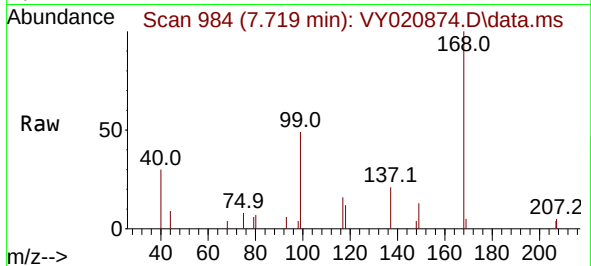




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

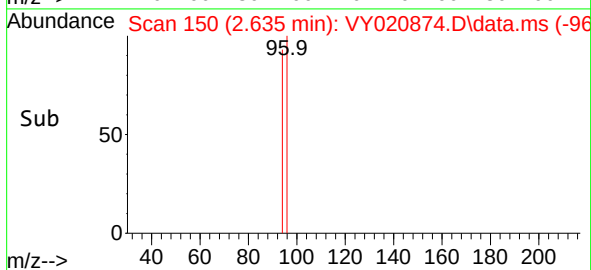
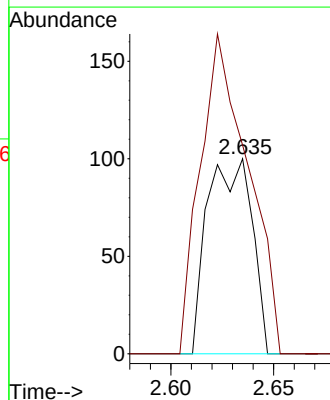
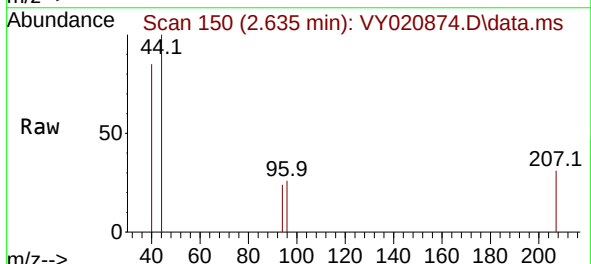
Instrument :
MSVOA_Y
ClientSampleId :

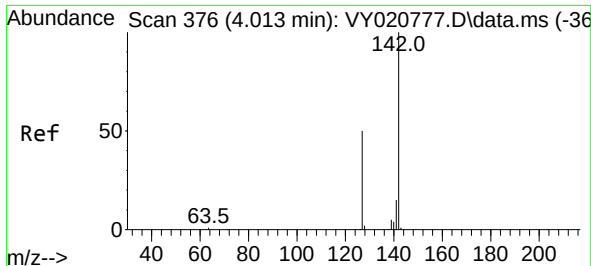
Tgt Ion:168 Resp: 3950
Ion Ratio Lower Upper
168 100
99 49.3 44.3 66.5



#5
Bromomethane
Concen: 12.494 ug/l
RT: 2.635 min Scan# 150
Delta R.T. 0.030 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 107.0 72.6 109.0

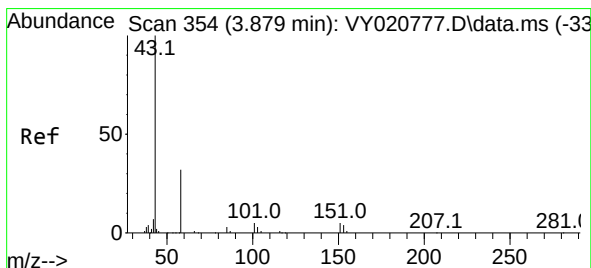
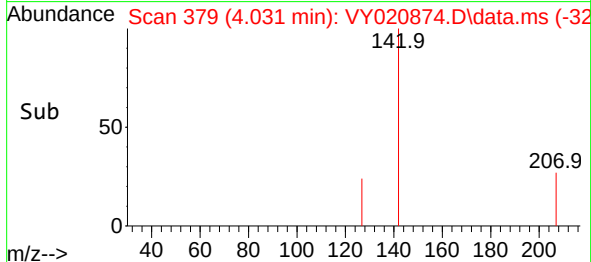
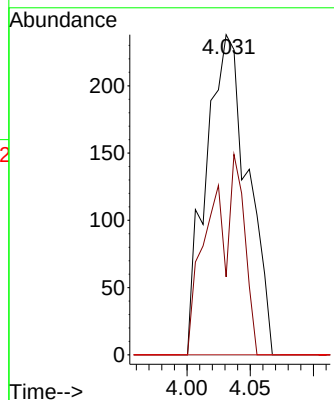
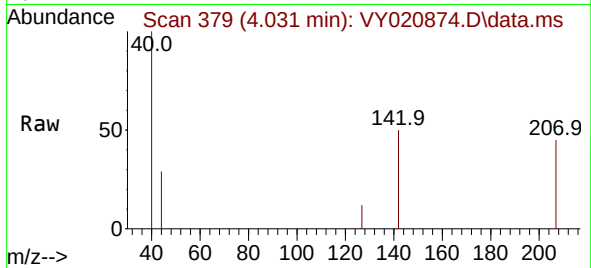




#10
Methyl Iodide
Concen: 14.434 ug/l
RT: 4.031 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

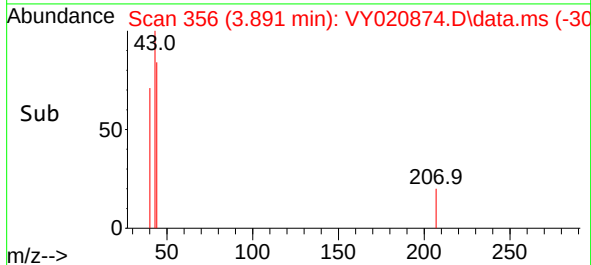
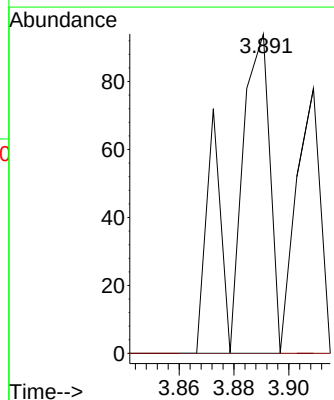
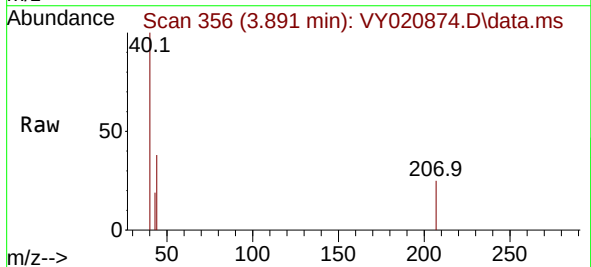
Instrument :
MSVOA_Y
ClientSampleId :

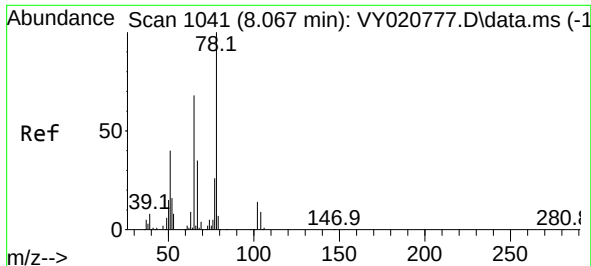
Tgt Ion:142 Resp: 544
Ion Ratio Lower Upper
142 100
127 21.5 41.0 61.6#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 18.642 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#





#33

1,2-Dichloroethane-d4

Concen: 63.443 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY020874.D

Acq: 20 Jan 2025 12:16

Instrument :

MSVOA_Y

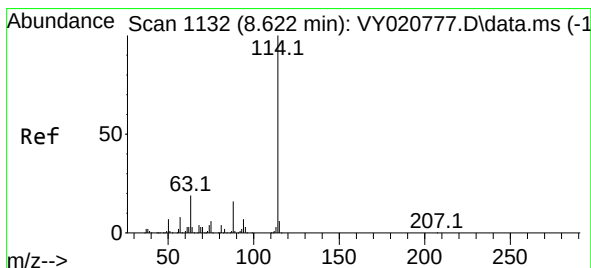
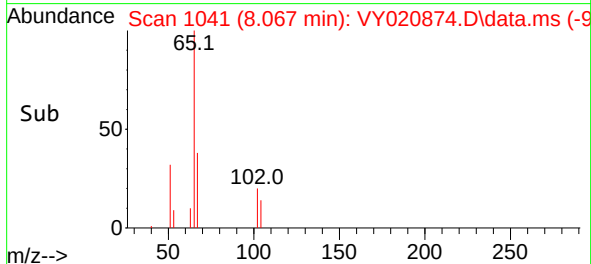
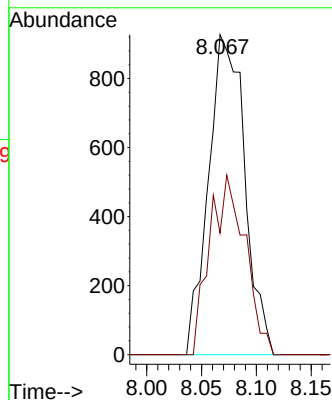
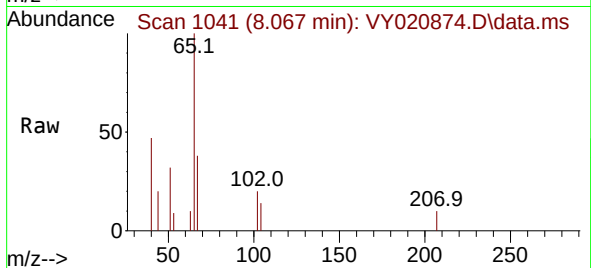
ClientSampleId :

Tgt Ion: 65 Resp: 2130

Ion Ratio Lower Upper

65 100

67 54.8 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY020874.D

Acq: 20 Jan 2025 12:16

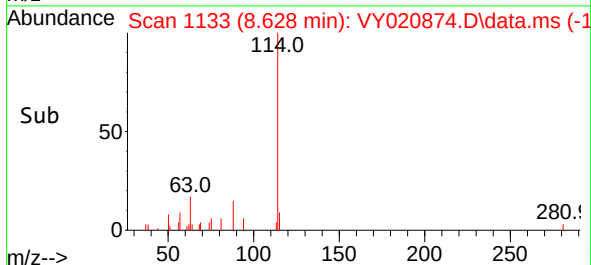
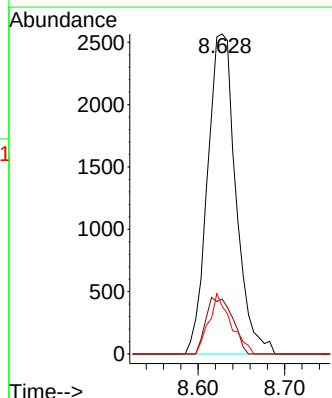
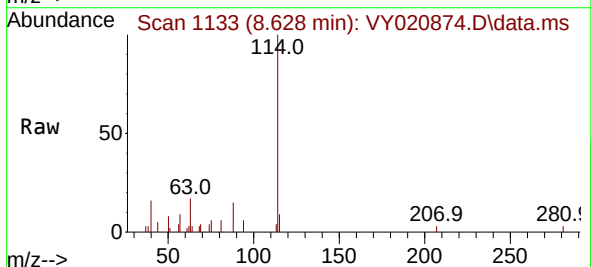
Tgt Ion:114 Resp: 5835

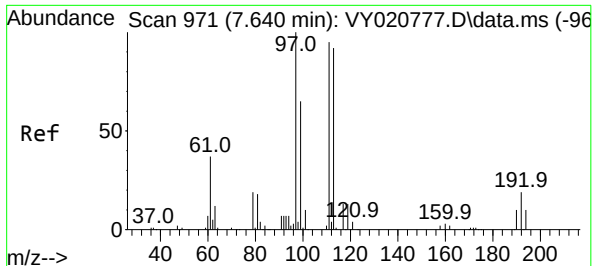
Ion Ratio Lower Upper

114 100

63 17.1 0.0 38.4

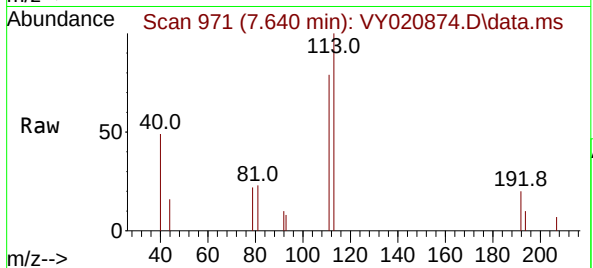
88 14.9 0.0 31.2



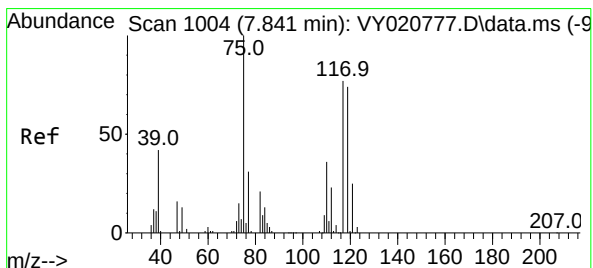
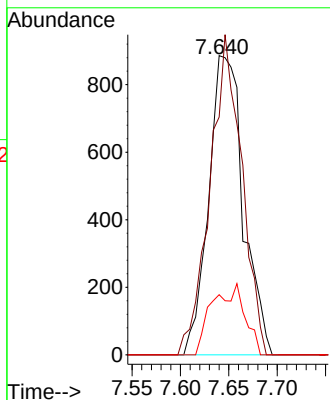
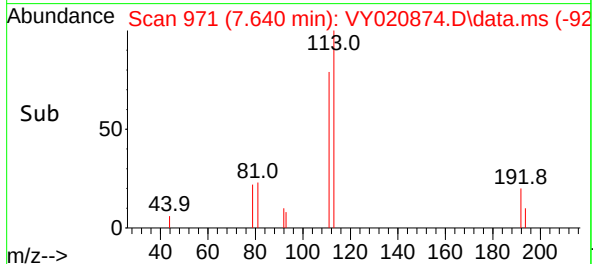


#35
Dibromofluoromethane
Concen: 60.346 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

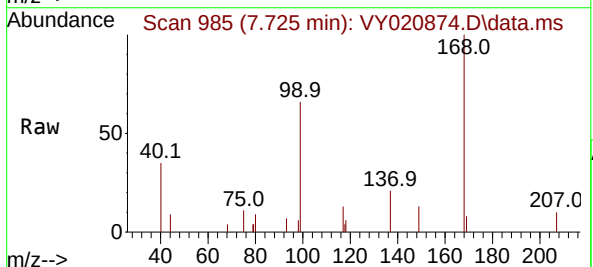
Instrument :
MSVOA_Y
ClientSampleId :



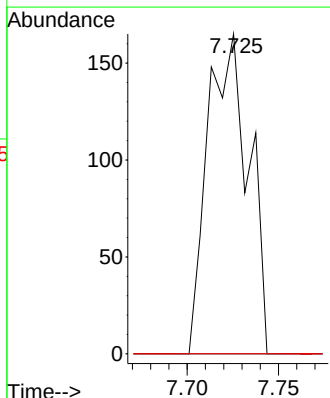
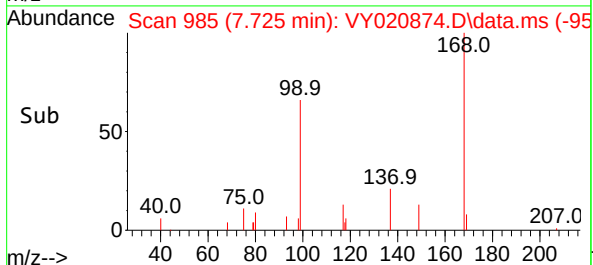
Tgt Ion:113 Resp: 2206
Ion Ratio Lower Upper
113 100
111 98.1 81.7 122.5
192 22.4 16.7 25.1

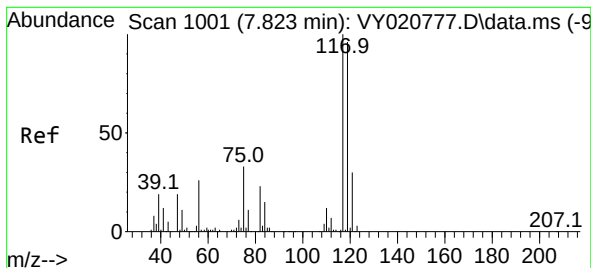


#36
1,1-Dichloropropene
Concen: 5.512 ug/l
RT: 7.725 min Scan# 985
Delta R.T. -0.116 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16



Tgt Ion: 75 Resp: 257
Ion Ratio Lower Upper
75 100
110 0.0 18.5 55.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.993 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

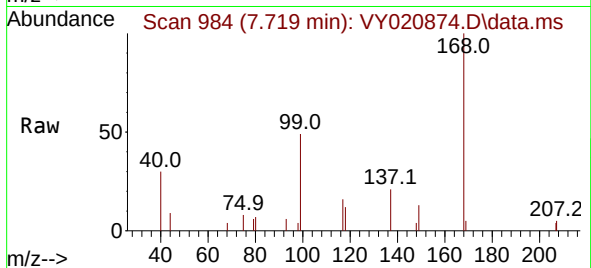
Lab File: VY020874.D

Acq: 20 Jan 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :



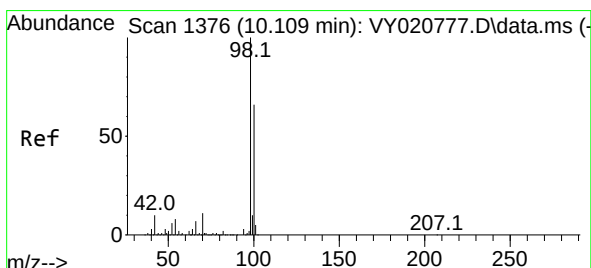
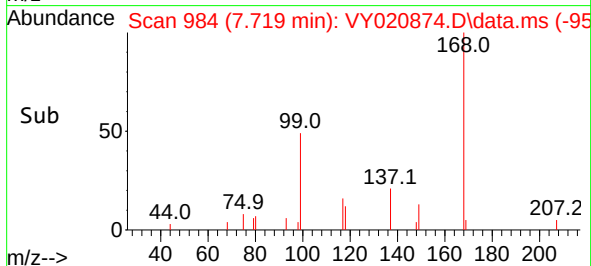
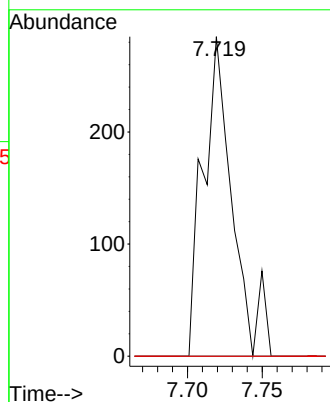
Tgt Ion:117 Resp: 389

Ion Ratio Lower Upper

117 100

119 0.0 76.5 114.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 48.417 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020874.D

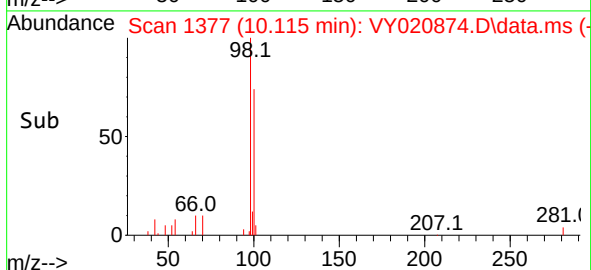
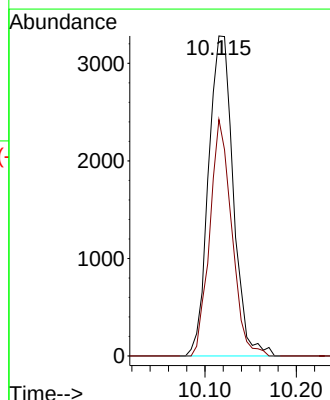
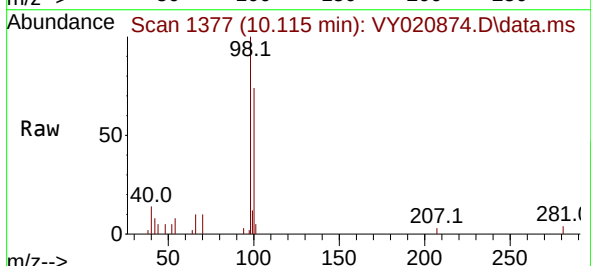
Acq: 20 Jan 2025 12:16

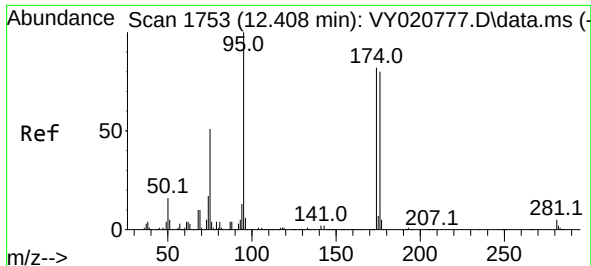
Tgt Ion: 98 Resp: 6170

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7

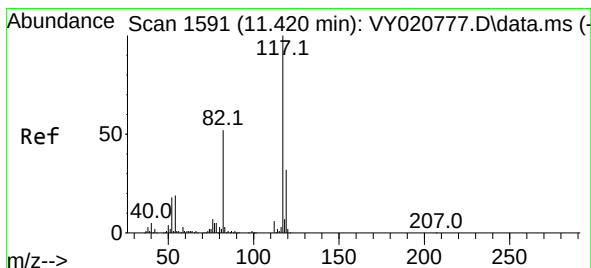
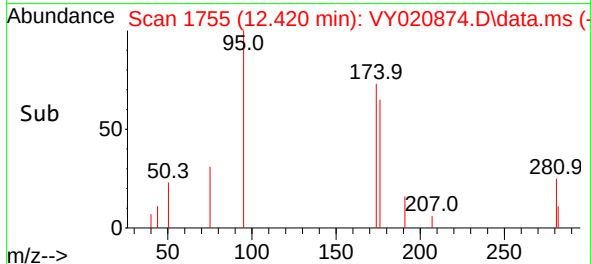
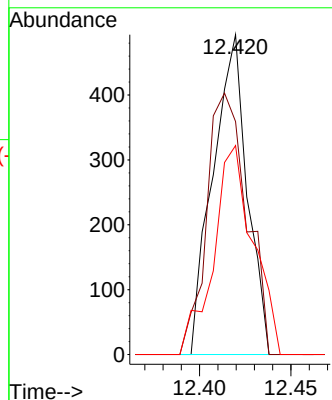
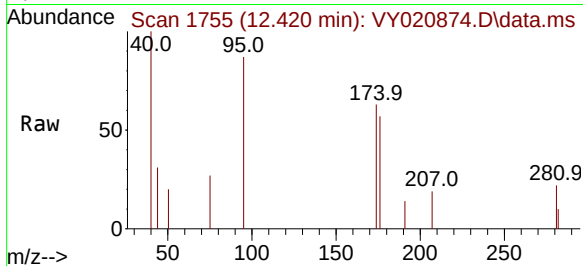




#62
4-Bromofluorobenzene
Concen: 13.664 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.012 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

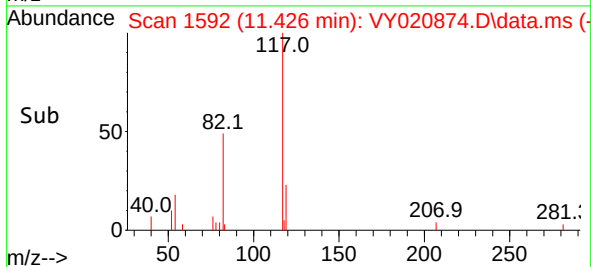
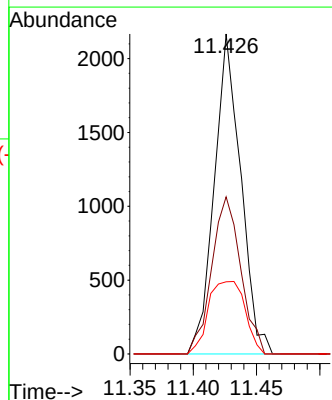
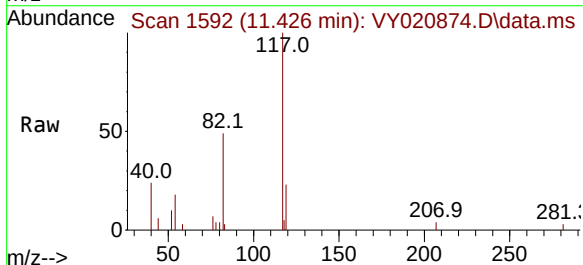
Instrument :
MSVOA_Y
ClientSampleId :

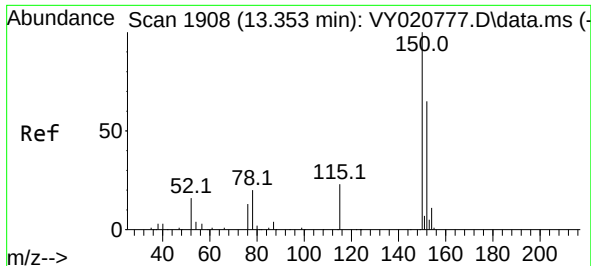
Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	178.0
176	75.6	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

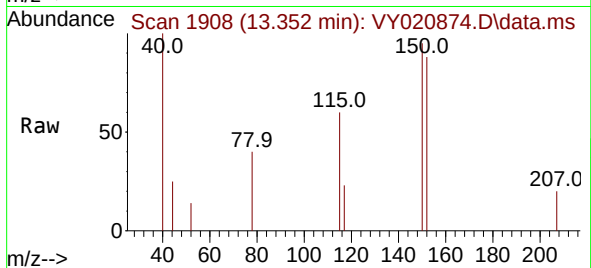
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.1	41.8	62.6
119	22.6	25.8	38.8



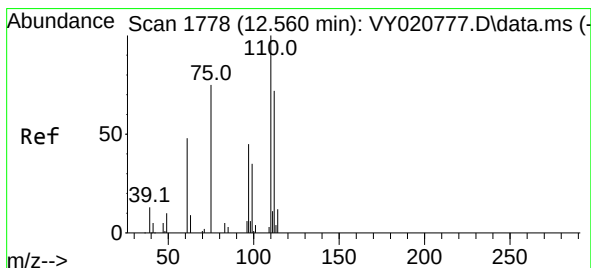
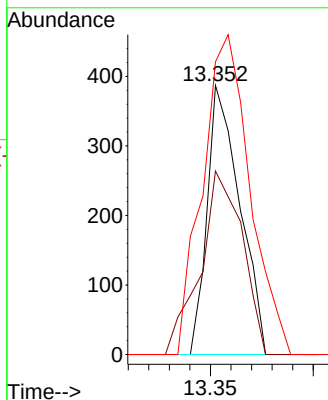
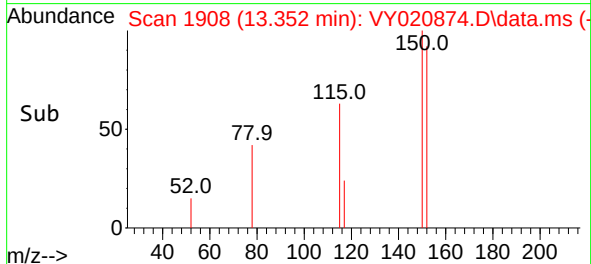


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY020874.D
 Acq: 20 Jan 2025 12:16

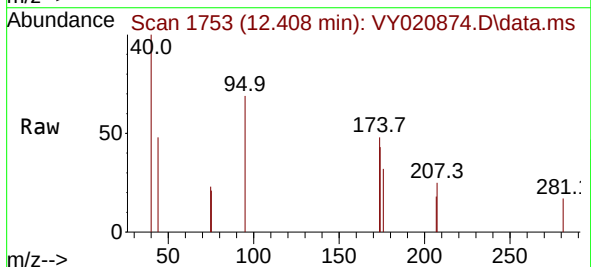
Instrument :
 MSVOA_Y
 ClientSampleId :



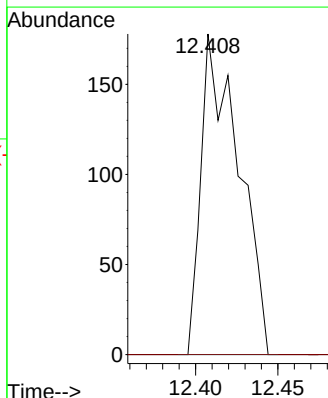
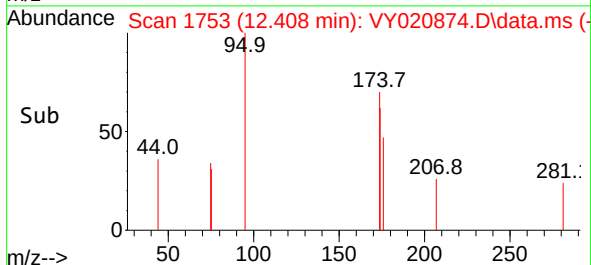
Tgt Ion:152 Resp: 426
 Ion Ratio Lower Upper
 152 100
 115 88.0 29.0 87.0#
 150 172.8 0.0 347.4

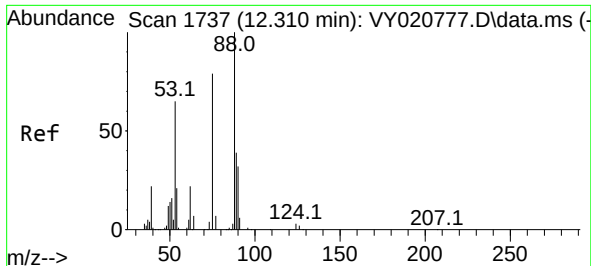


#76
 1,2,3-Trichloropropane
 Concen: 75.924 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY020874.D
 Acq: 20 Jan 2025 12:16



Tgt Ion: 75 Resp: 283
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

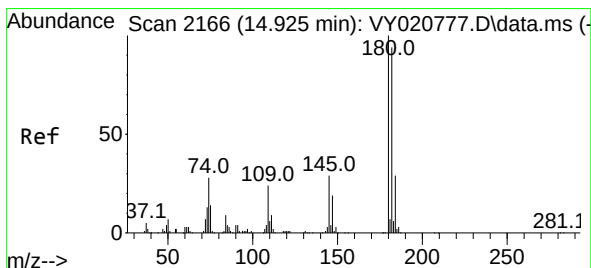
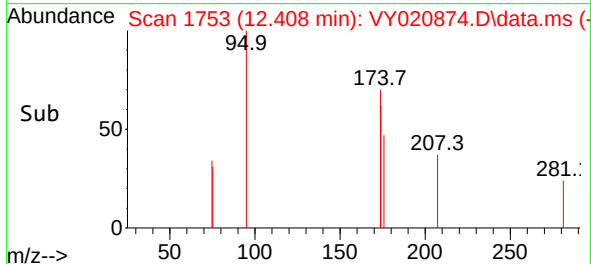
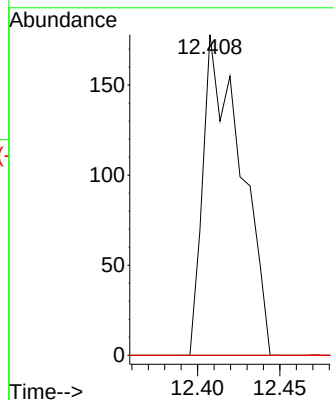
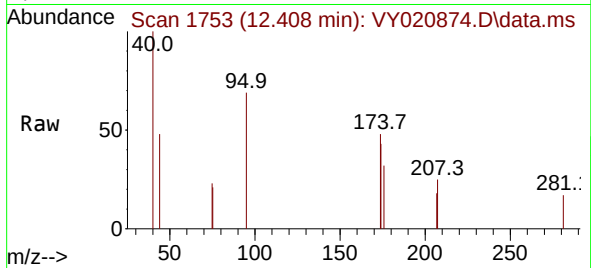




#81
trans-1,4-Dichloro-2-butene
Concen: 160.088 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

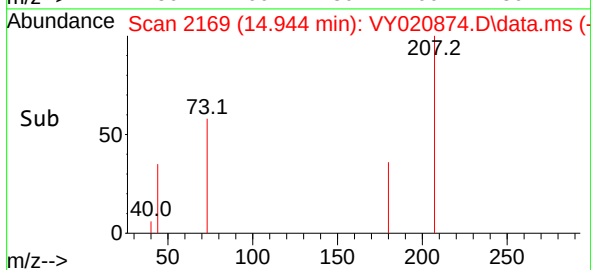
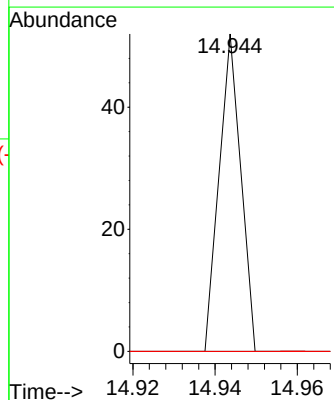
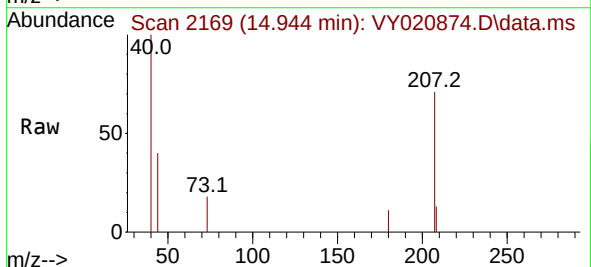
Instrument :
MSVOA_Y
ClientSampleId :

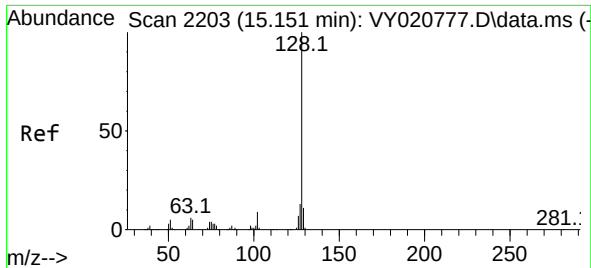
Tgt Ion: 75 Resp: 283
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.494 ug/l
RT: 14.944 min Scan# 2169
Delta R.T. 0.018 min
Lab File: VY020874.D
Acq: 20 Jan 2025 12:16

Tgt Ion:180 Resp: 19
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 0.0 15.0 45.1#





#95

Naphthalene

Concen: 23.847 ug/l

RT: 15.163 min Scan# 21

Delta R.T. 0.012 min

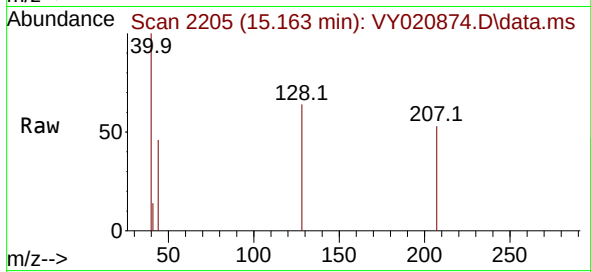
Lab File: VY020874.D

Acq: 20 Jan 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 299

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

