

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021494.D
 Acq On : 11 Mar 2025 18:16
 Operator : SY/MD
 Sample : Q1534-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 12 01:26:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

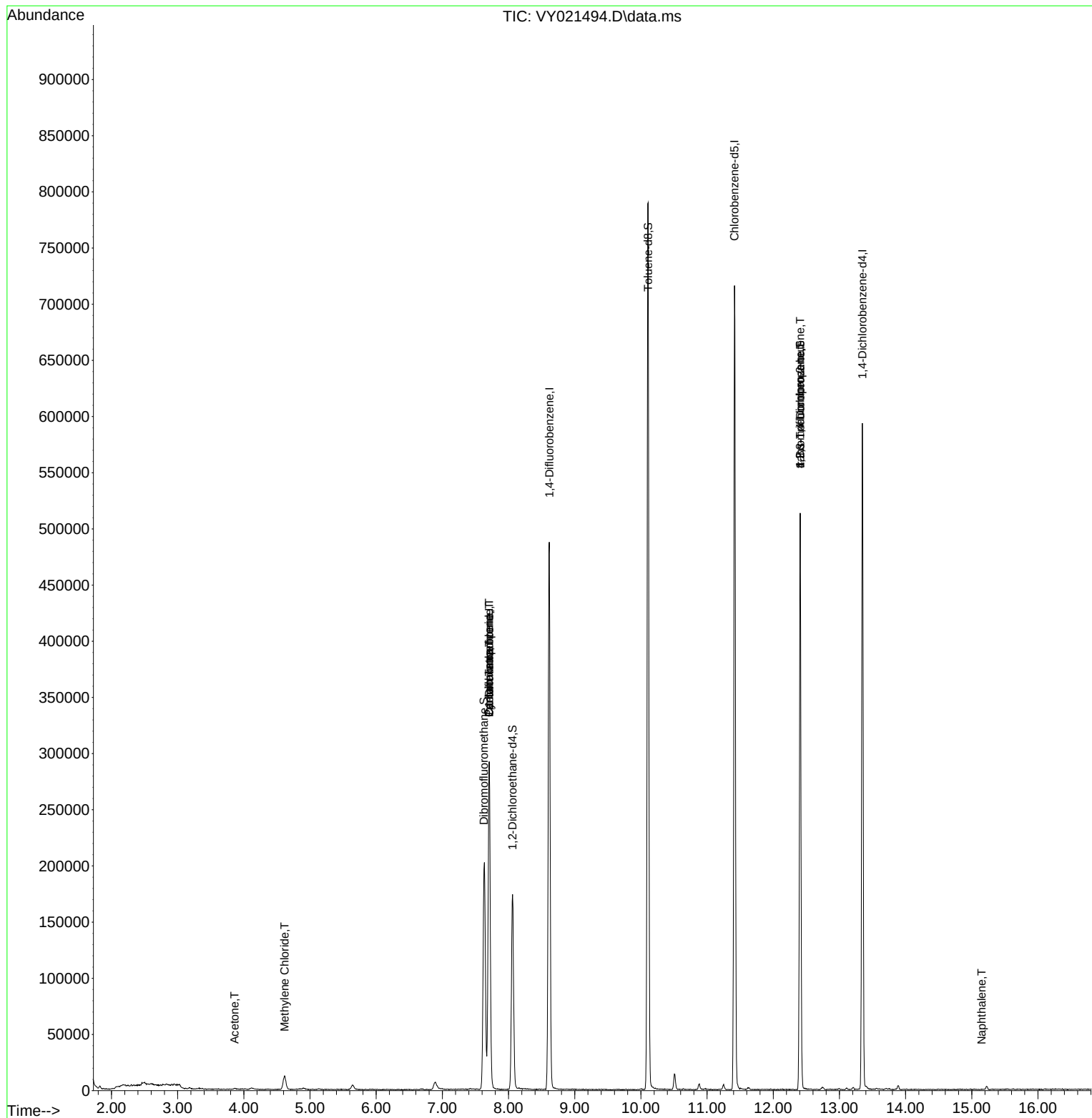
Internal Standards						
1) Pentafluorobenzene	7.707	168	214062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139756	61.770	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.540%	
35) Dibromofluoromethane	7.628	113	143166	53.767	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.540%	
50) Toluene-d8	10.109	98	505842	50.174	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.408	95	149589	43.619	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	316	Below Cal	#	72
16) Acetone	3.860	43	1574	3.190	ug/l	98
20) Methylene Chloride	4.616	84	8153	3.147	ug/l	91
31) Cyclohexane	7.707	56	5383	1.270	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	18633	4.471	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22489	4.692	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	82102	57.645	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	82102	131.045	ug/l #	9
95) Naphthalene	15.151	128	129	1.482	ug/l #	69

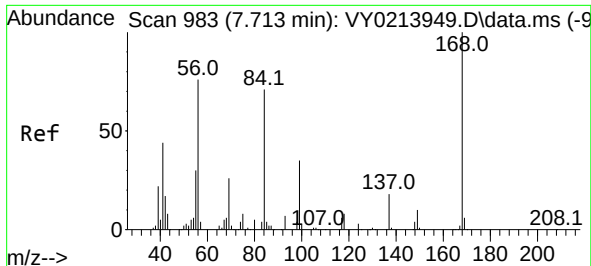
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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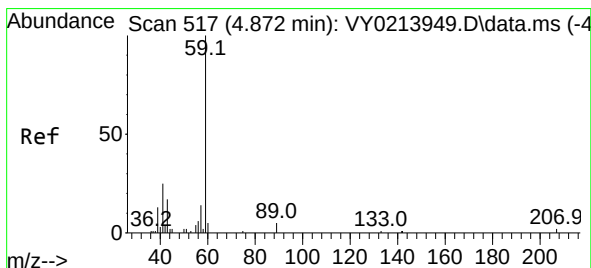
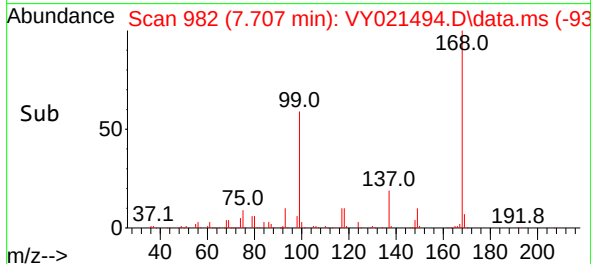
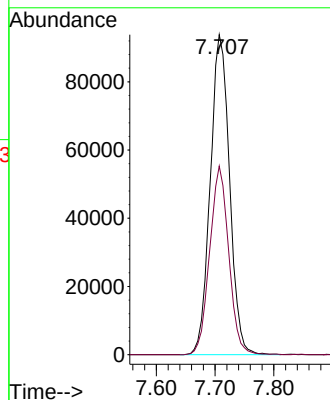
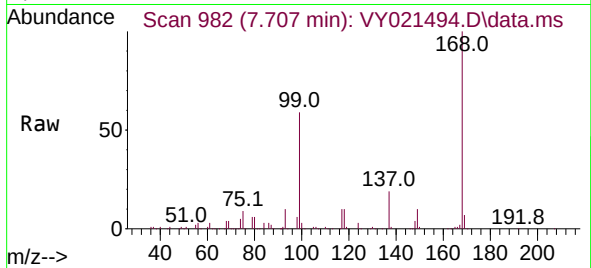




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

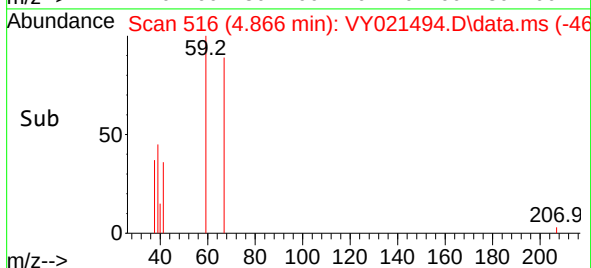
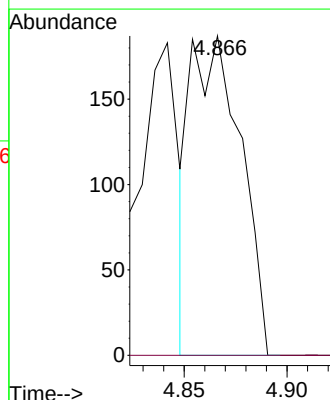
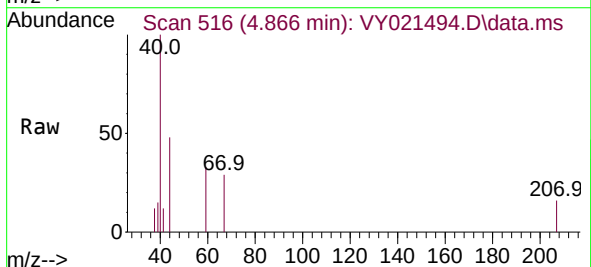
Instrument :
MSVOA_Y
ClientSampleId :

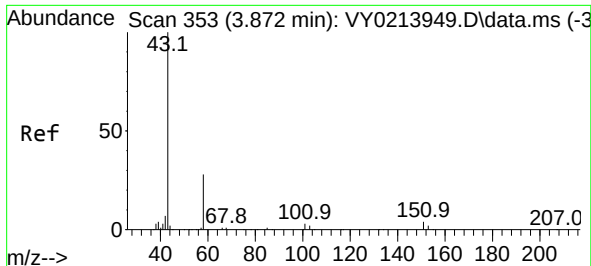
Tgt Ion:168 Resp: 214062
Ion Ratio Lower Upper
168 100
99 59.0 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

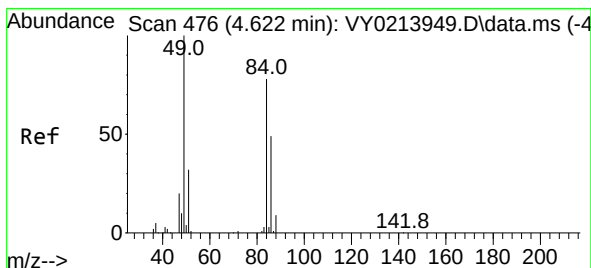
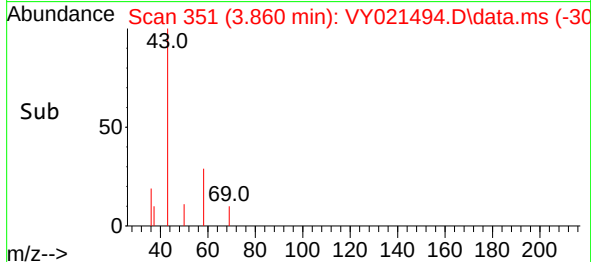
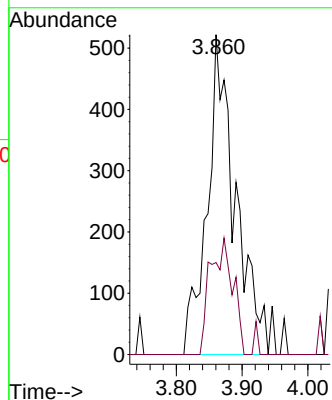
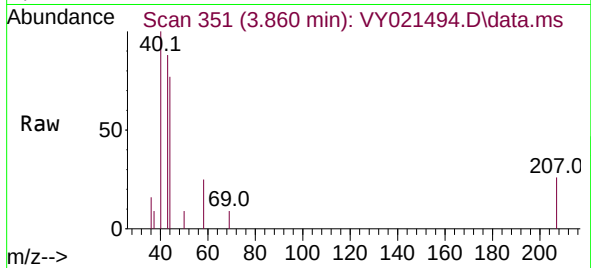




#16
Acetone
Concen: 3.190 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

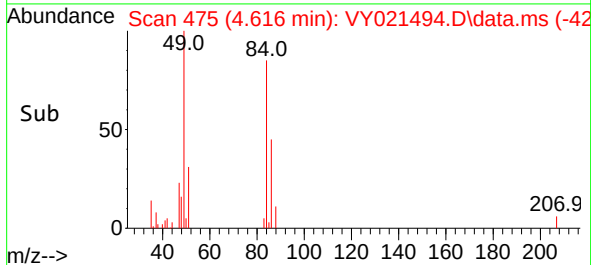
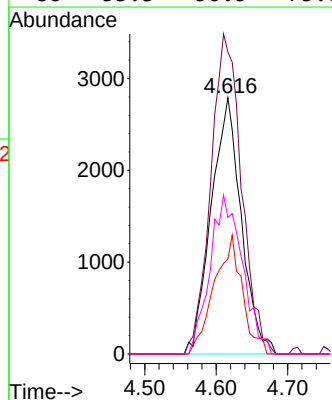
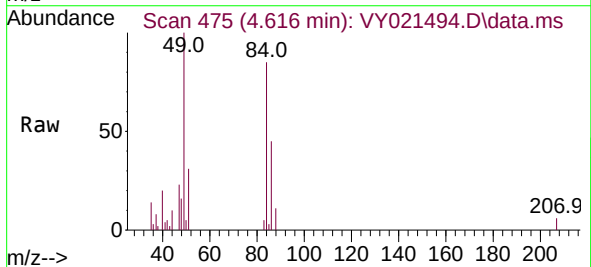
Instrument :
MSVOA_Y
ClientSampleId :

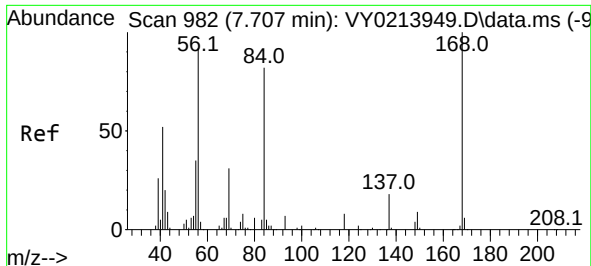
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 28.7 22.1 33.1



#20
Methylene Chloride
Concen: 3.147 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

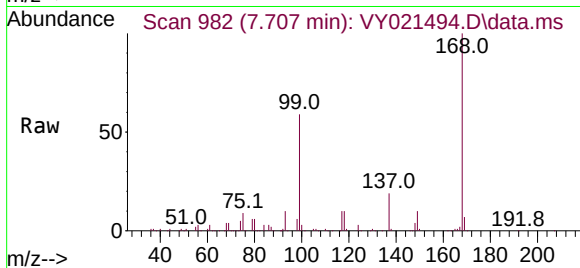
Tgt Ion: 84 Resp: 8153
Ion Ratio Lower Upper
84 100
49 117.9 102.0 153.0
51 37.1 33.0 49.6
86 53.3 50.5 75.7



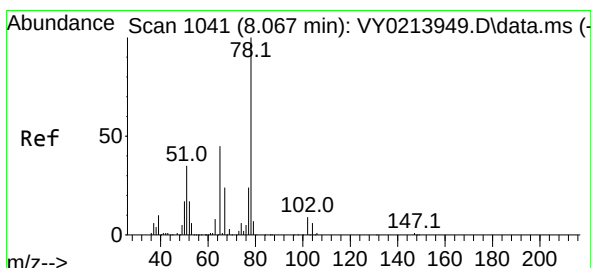
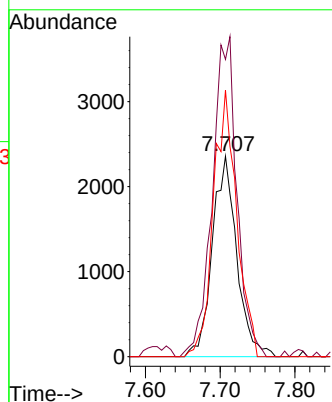
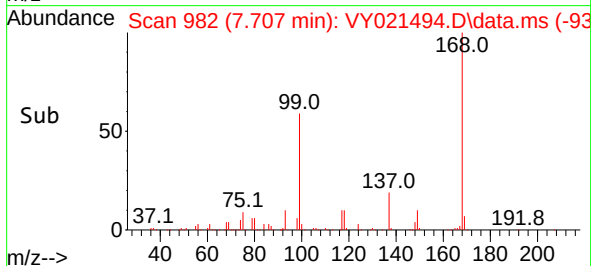


#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

Instrument :
MSVOA_Y
ClientSampleId :

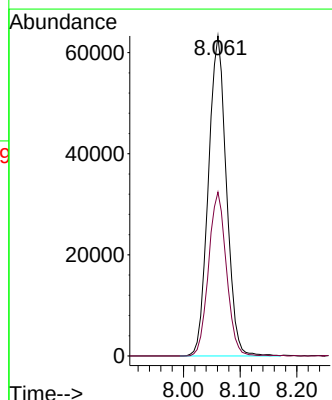
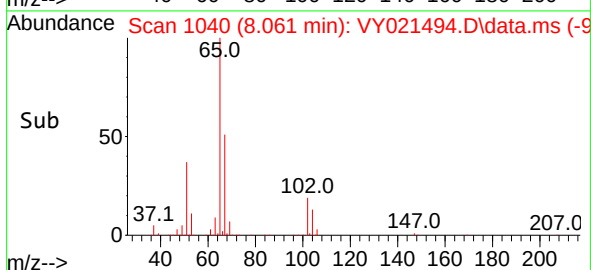
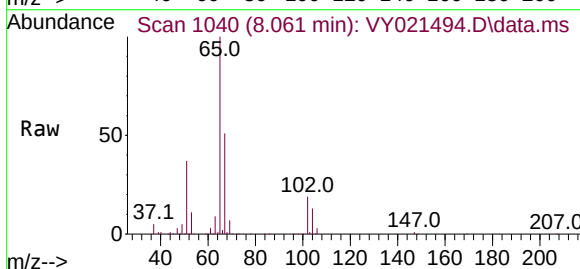


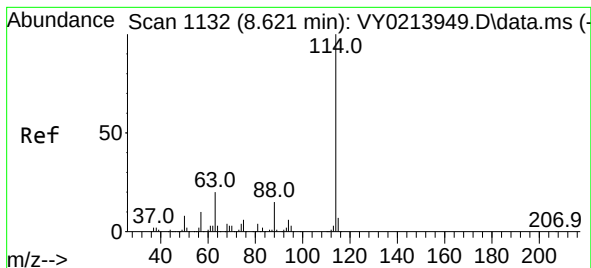
Tgt Ion: 56 Resp: 5383
Ion Ratio Lower Upper
56 100
69 148.2 27.0 40.4#
84 132.9 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 61.770 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 65 Resp: 139756
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021494.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

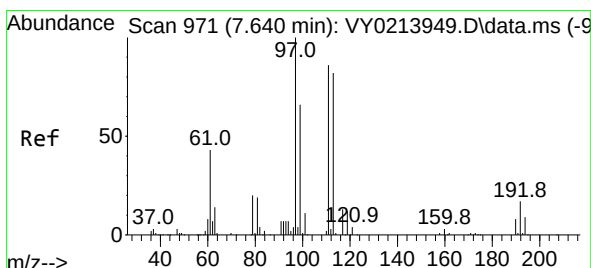
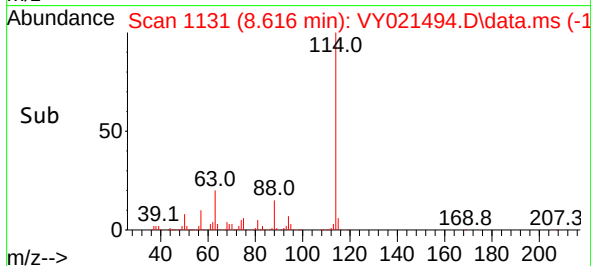
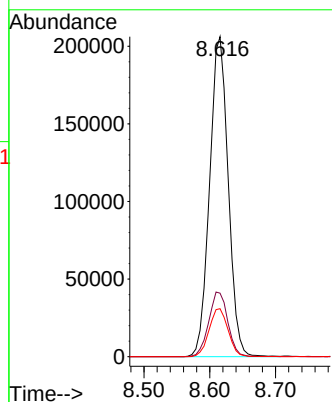
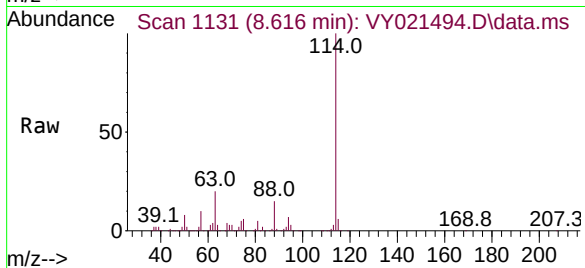
Tgt Ion:114 Resp: 405088

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.767 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY021494.D

Acq: 11 Mar 2025 18:16

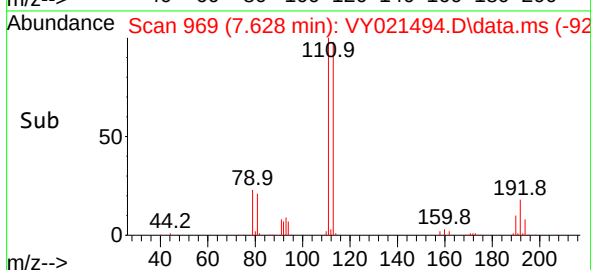
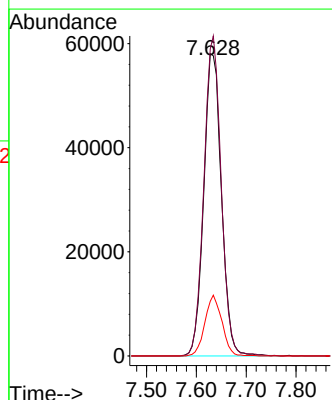
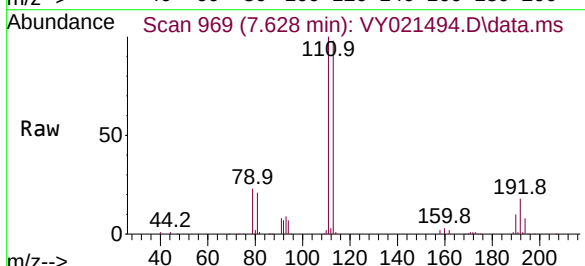
Tgt Ion:113 Resp: 143166

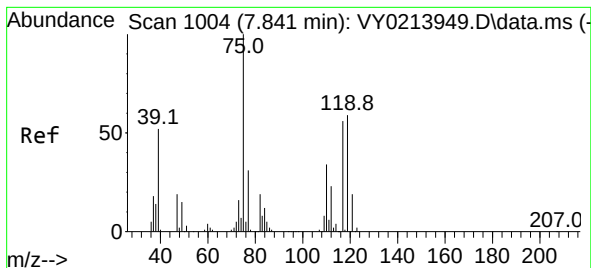
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.471 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

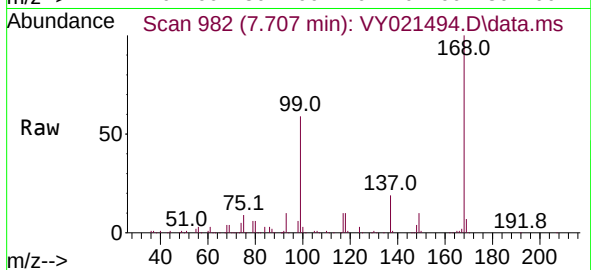
Lab File: VY021494.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :



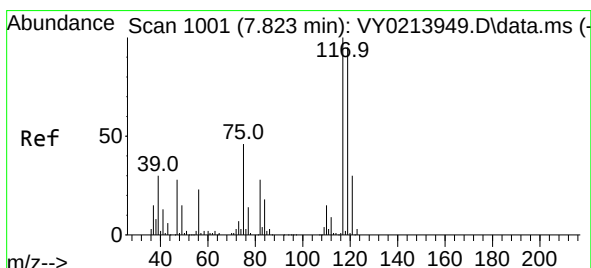
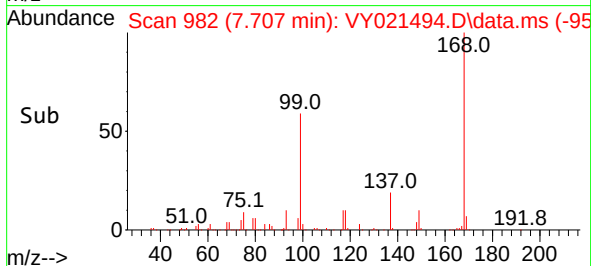
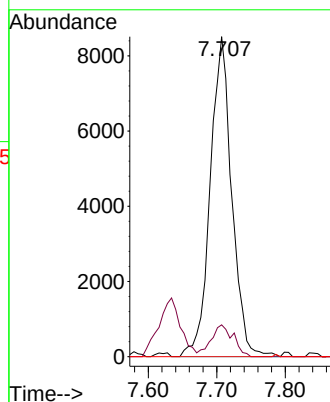
Tgt Ion: 75 Resp: 18633

Ion Ratio Lower Upper

75 100

110 10.3 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.692 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021494.D

Acq: 11 Mar 2025 18:16

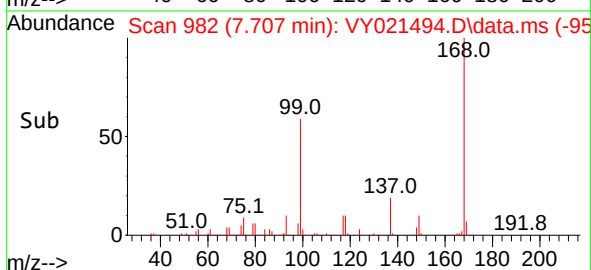
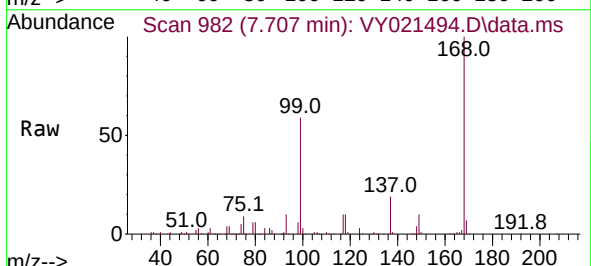
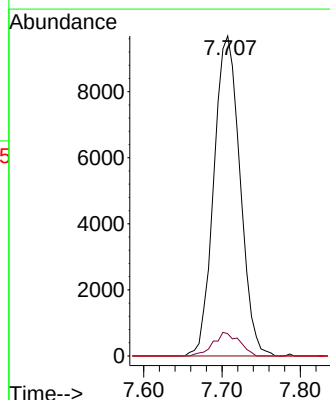
Tgt Ion: 117 Resp: 22489

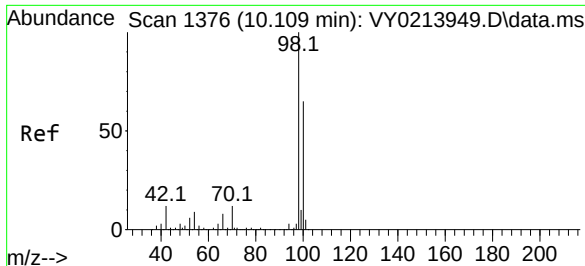
Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.8#

121 0.0 23.9 35.9#

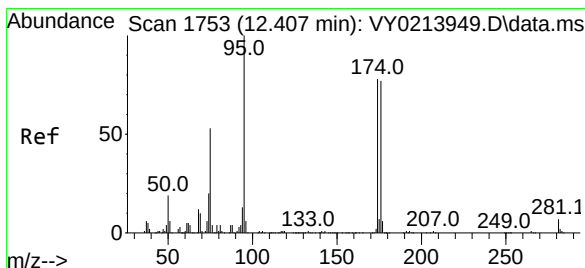
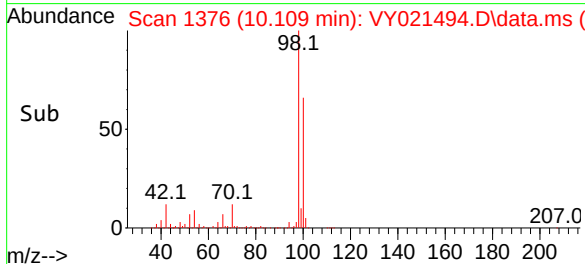
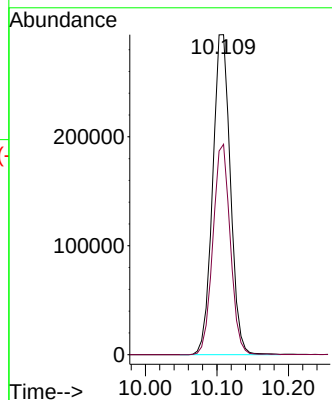
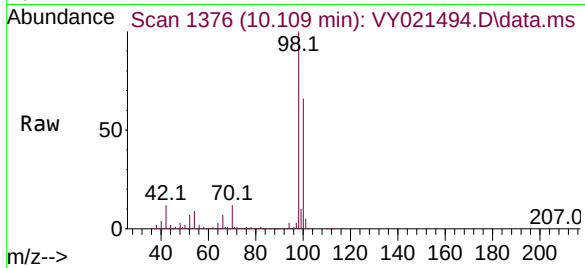




#50
Toluene-d8
Concen: 50.174 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

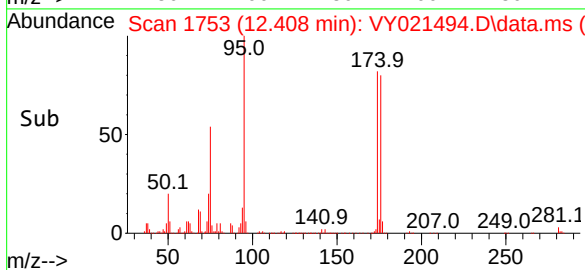
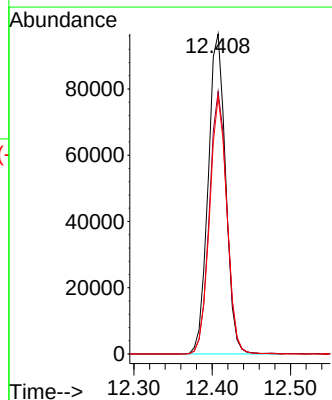
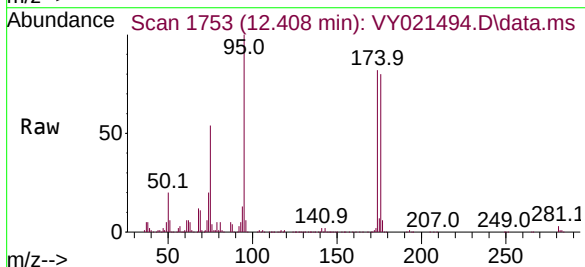
Instrument :
MSVOA_Y
ClientSampleId :

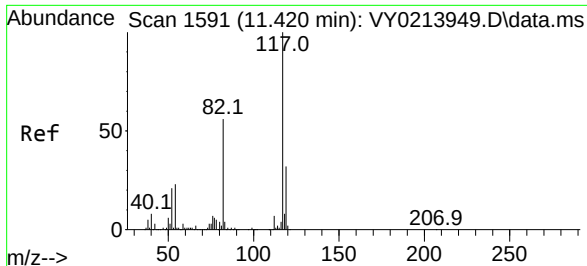
Tgt Ion: 98 Resp: 505842
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.619 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 95 Resp: 149589
Ion Ratio Lower Upper
95 100
174 81.8 0.0 165.0
176 80.1 0.0 160.0

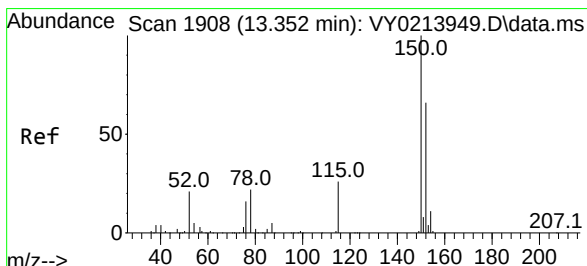
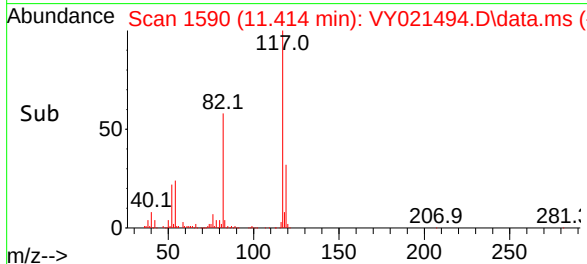
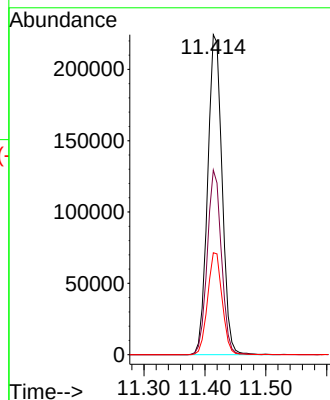
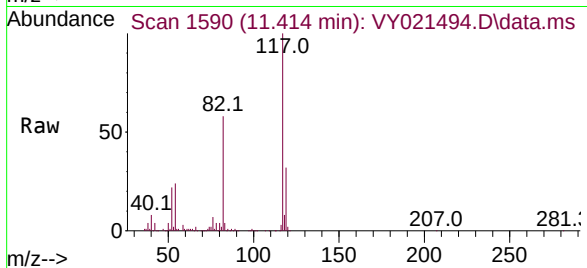




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

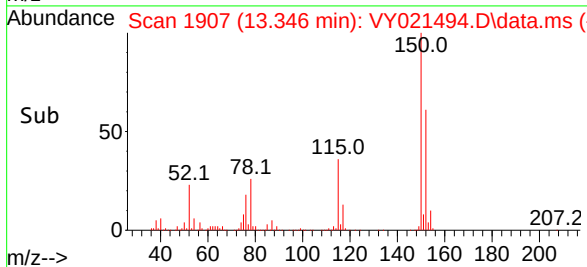
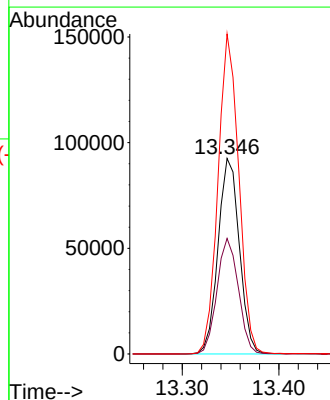
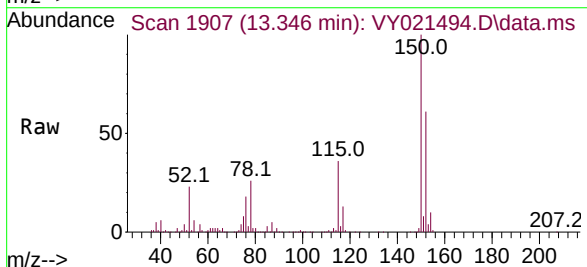
Instrument :
MSVOA_Y
ClientSampleId :

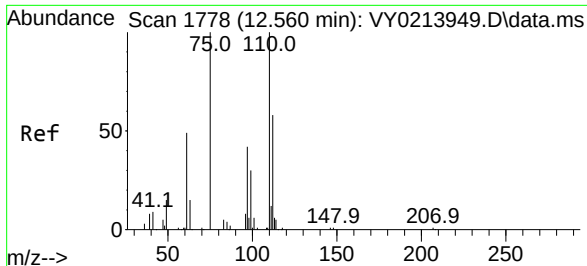
Tgt Ion:117 Resp: 369106
Ion Ratio Lower Upper
117 100
82 57.7 44.6 67.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

Tgt Ion:152 Resp: 141341
Ion Ratio Lower Upper
152 100
115 59.3 29.0 87.0
150 159.3 0.0 347.2

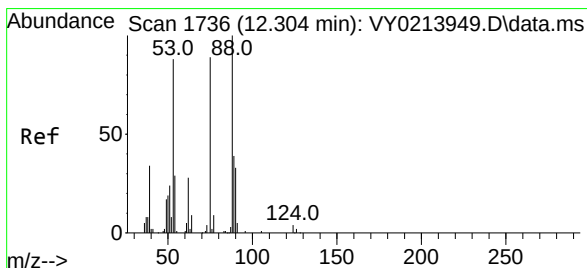
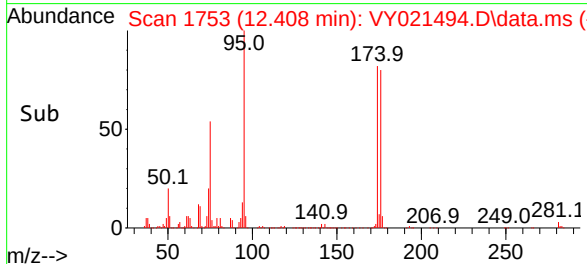
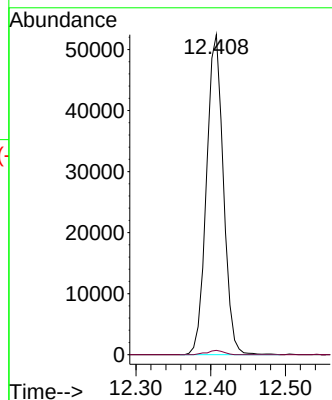
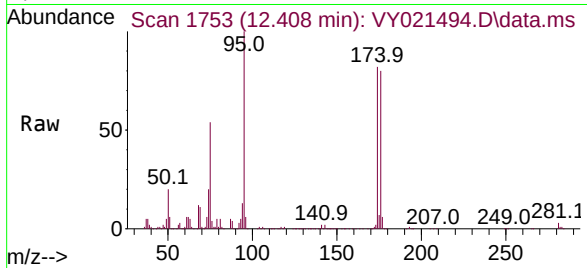




#76
1,2,3-Trichloropropane
Concen: 57.645 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

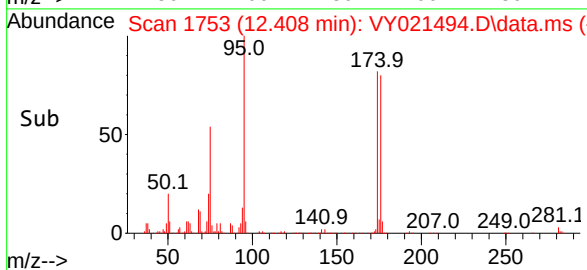
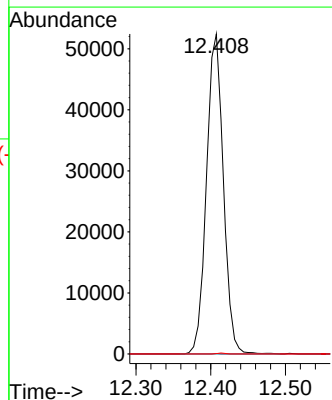
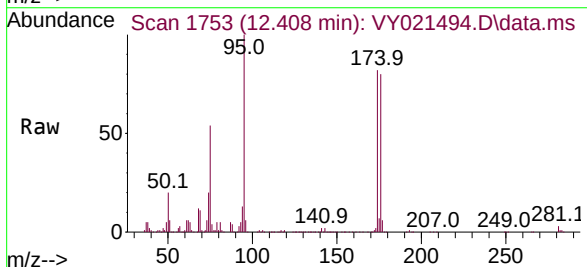
Instrument :
MSVOA_Y
ClientSampleId :

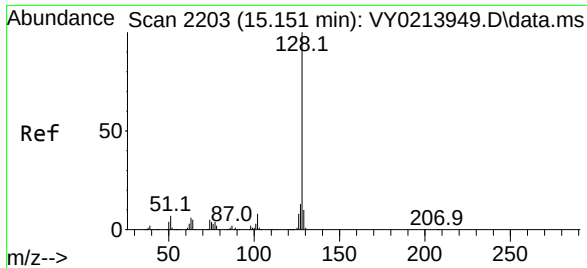
Tgt Ion: 75 Resp: 82102
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.045 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021494.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 75 Resp: 82102
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.1 36.9 55.3#





#95

Naphthalene

Concen: 1.482 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.000 min

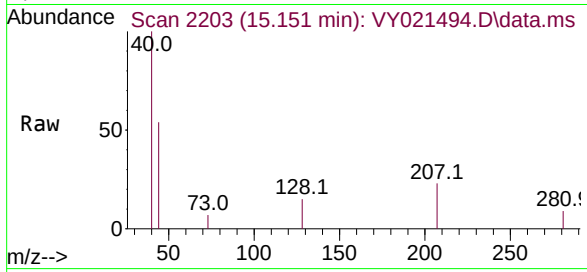
Lab File: VY021494.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 129

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

