

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021416.D
 Acq On : 05 Mar 2025 16:31
 Operator : SY/MD
 Sample : Q1481-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-K1311

Quant Time: Mar 06 02:56:52 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)

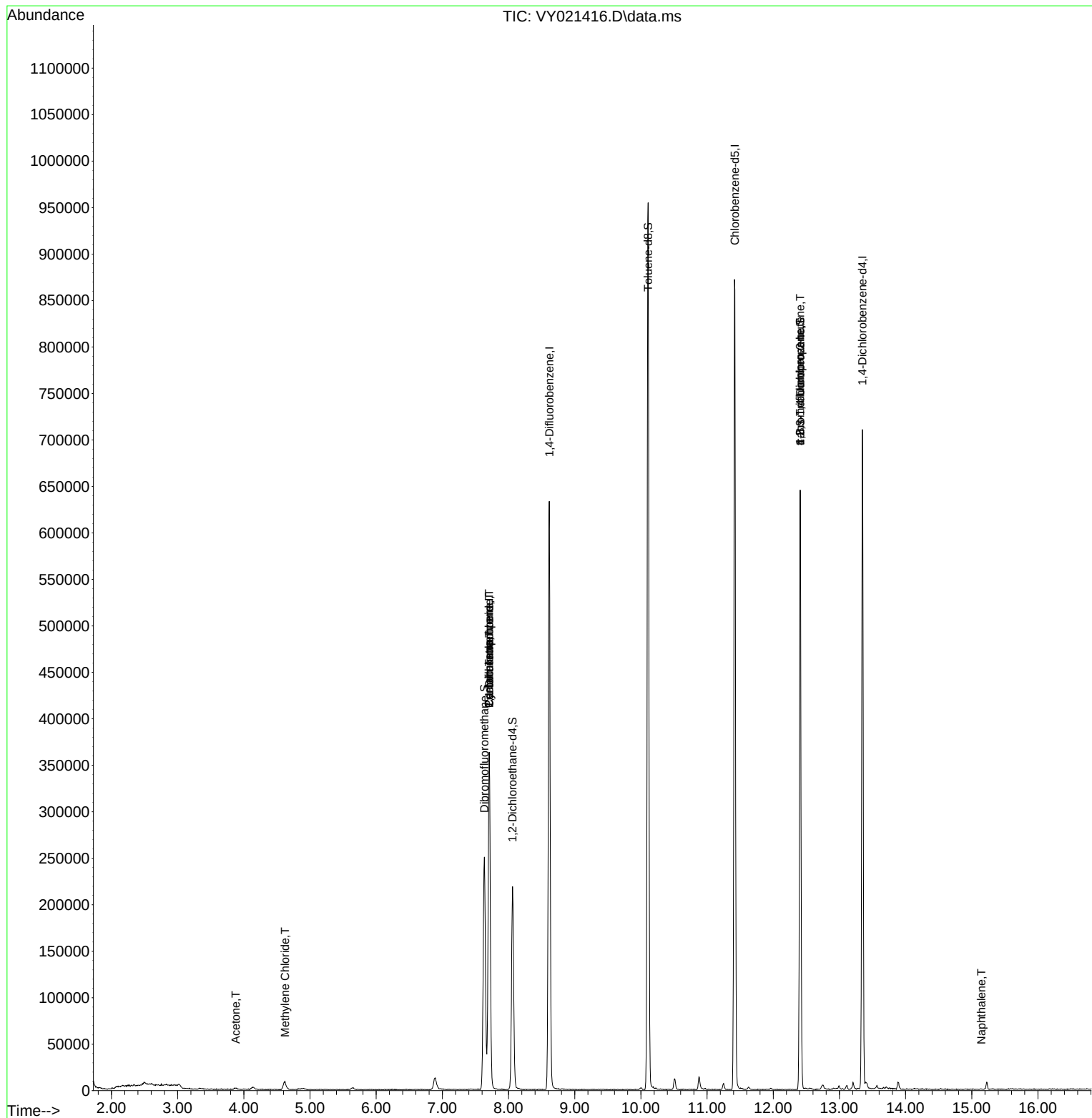
Internal Standards						
1) Pentafluorobenzene	7.707	168	269517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	513337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	454160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171480	60.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.400%	
35) Dibromofluoromethane	7.634	113	174512	51.719	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.440%	
50) Toluene-d8	10.109	98	620663	48.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.408	95	185269	42.631	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	154	Below Cal	#	72
16) Acetone	3.879	43	3196	5.144	ug/l	92
20) Methylene Chloride	4.622	84	5880	1.803	ug/l	92
31) Cyclohexane	7.707	56	6583	1.234	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22795	4.316	ug/l #	50
38) Carbon Tetrachloride	7.707	117	27611	4.545	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	100259	58.846	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	100259	133.775	ug/l #	9
95) Naphthalene	15.145	128	857	1.636	ug/l #	73

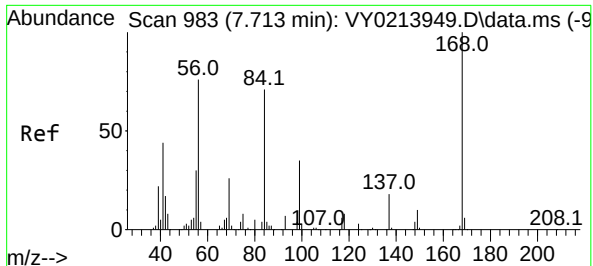
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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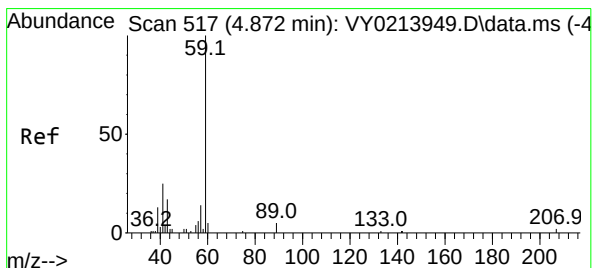
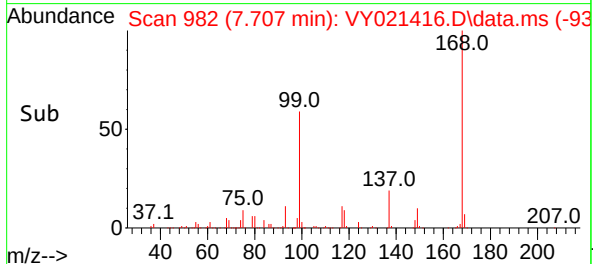
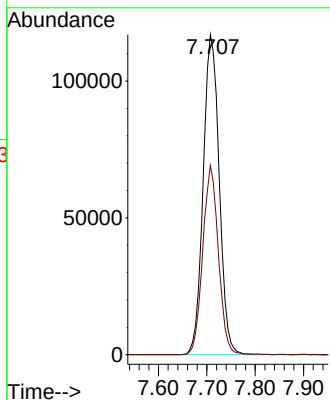
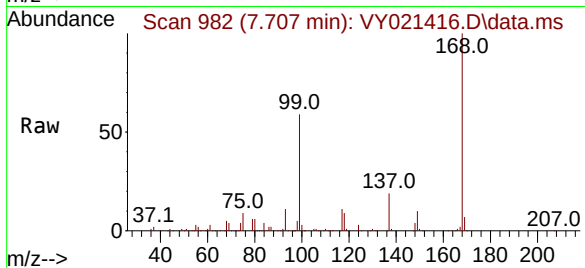




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

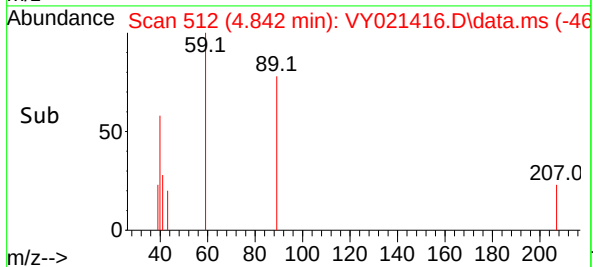
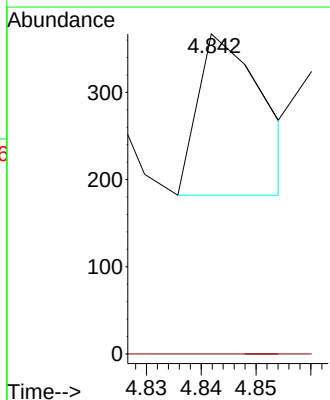
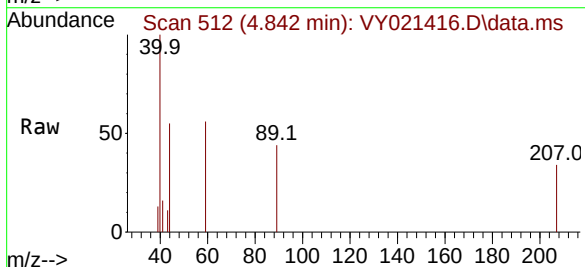
Instrument :
MSVOA_Y
ClientSampleId :
WC-K1311

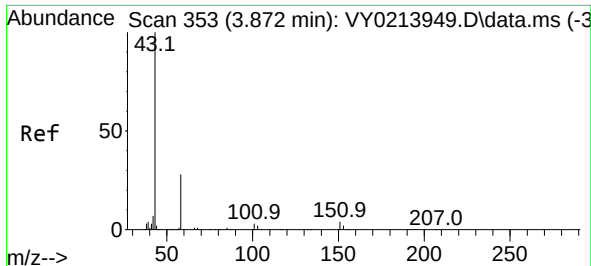
Tgt Ion:168 Resp: 269517
Ion Ratio Lower Upper
168 100
99 59.2 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 5.144 ug/l

RT: 3.879 min Scan# 316

Delta R.T. 0.007 min

Lab File: VY021416.D

Acq: 05 Mar 2025 16:31

Instrument :

MSVOA_Y

ClientSampleId :

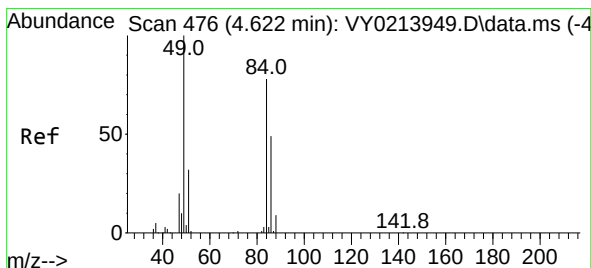
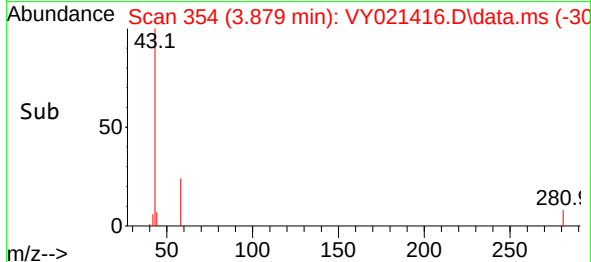
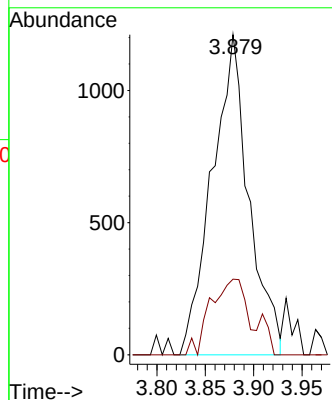
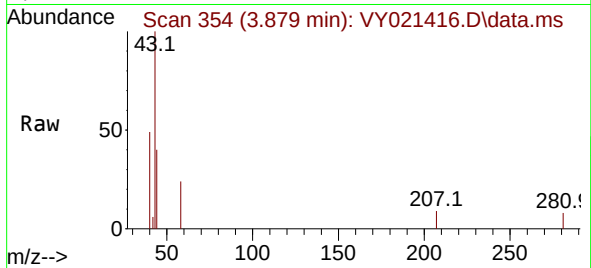
WC-K1311

Tgt Ion: 43 Resp: 3196

Ion Ratio Lower Upper

43 100

58 23.6 22.1 33.1



#20

Methylene Chloride

Concen: 1.803 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY021416.D

Acq: 05 Mar 2025 16:31

Tgt Ion: 84 Resp: 5880

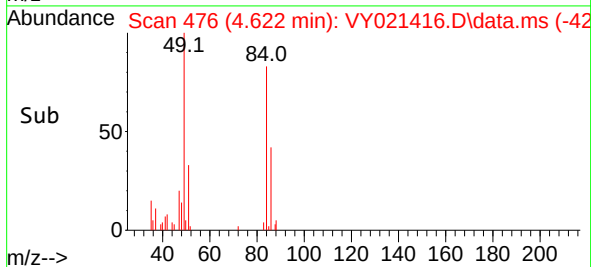
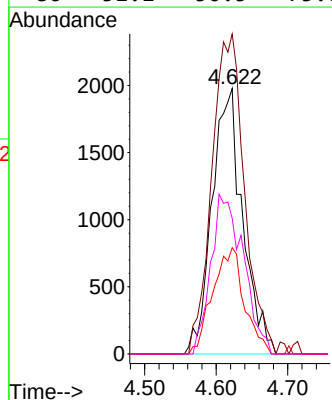
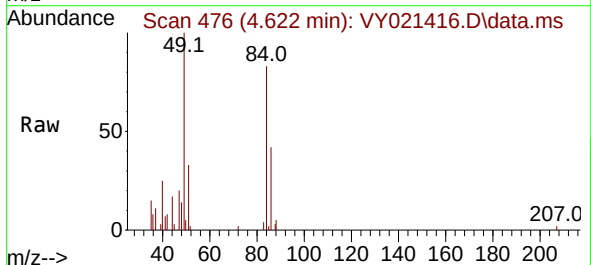
Ion Ratio Lower Upper

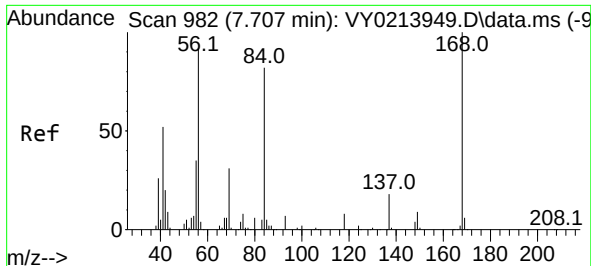
84 100

49 120.6 102.0 153.0

51 40.0 33.0 49.6

86 51.1 50.5 75.7

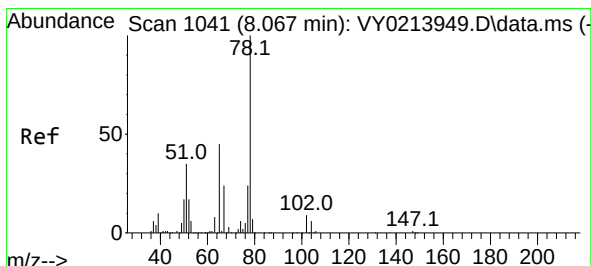
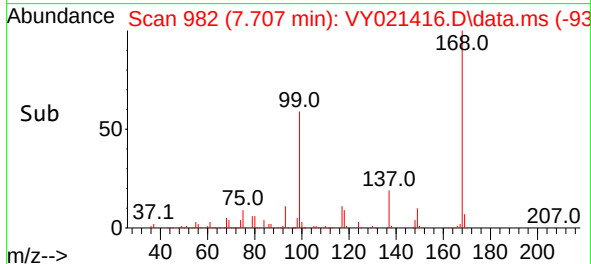
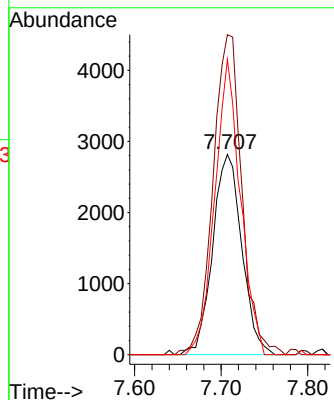
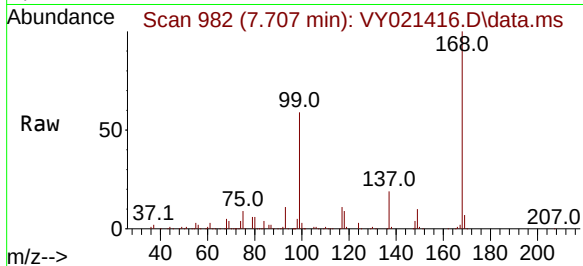




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

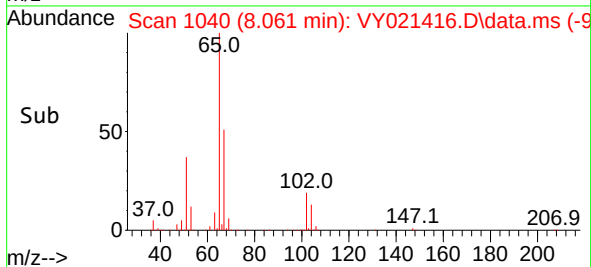
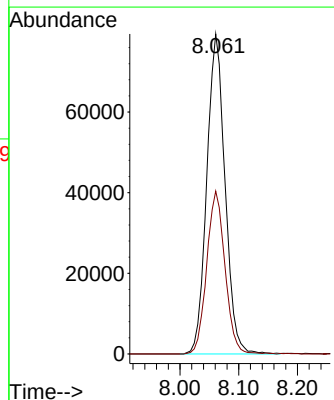
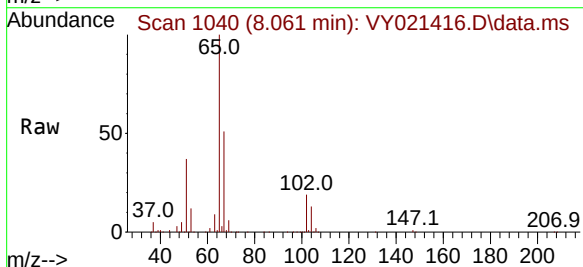
Instrument :
MSVOA_Y
ClientSampleId :
WC-K1311

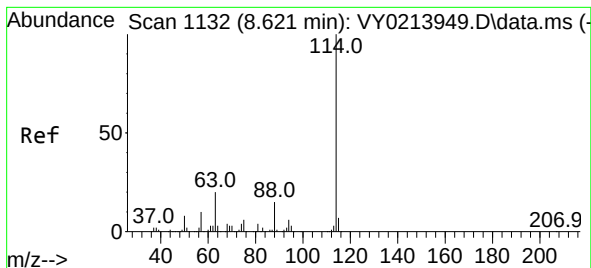
Tgt Ion: 56 Resp: 6583
Ion Ratio Lower Upper
56 100
69 157.5 27.0 40.4#
84 147.4 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 60.197 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

Tgt Ion: 65 Resp: 171480
Ion Ratio Lower Upper
65 100
67 50.8 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: VY021416.D

Acq: 05 Mar 2025 16:31

Instrument :

MSVOA_Y

ClientSampleId :

WC-K1311

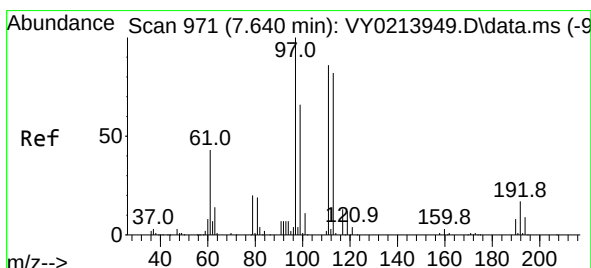
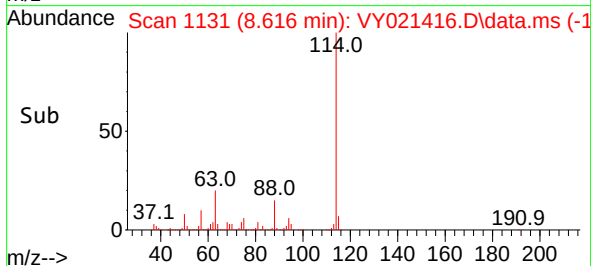
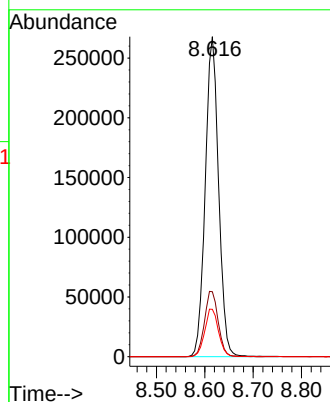
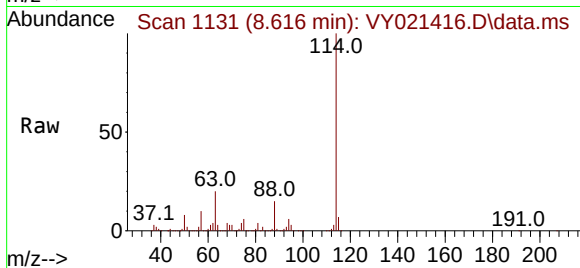
Tgt Ion:114 Resp: 513337

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 14.8 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.719 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021416.D

Acq: 05 Mar 2025 16:31

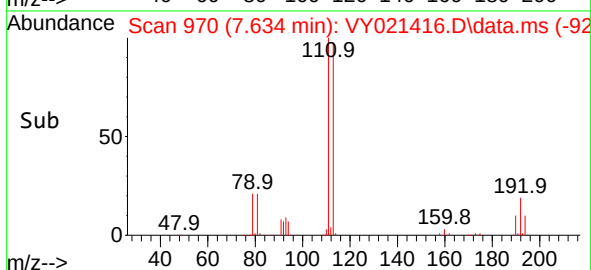
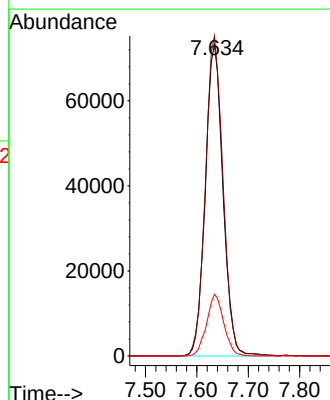
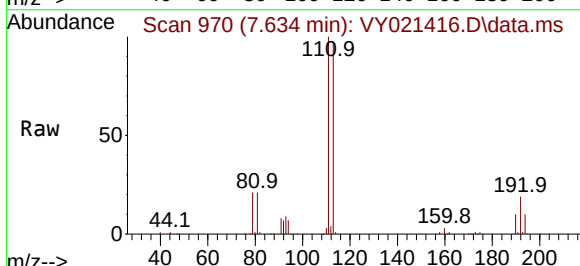
Tgt Ion:113 Resp: 174512

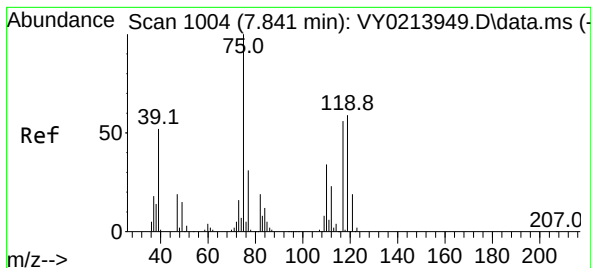
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.316 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021416.D

Acq: 05 Mar 2025 16:31

Instrument :

MSVOA_Y

ClientSampleId :

WC-K1311

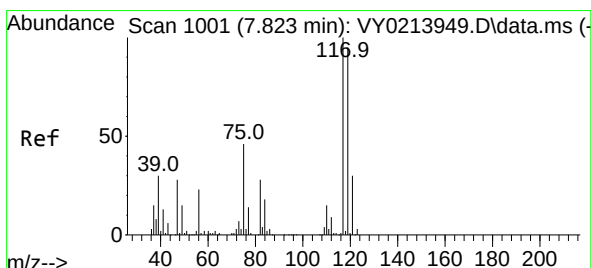
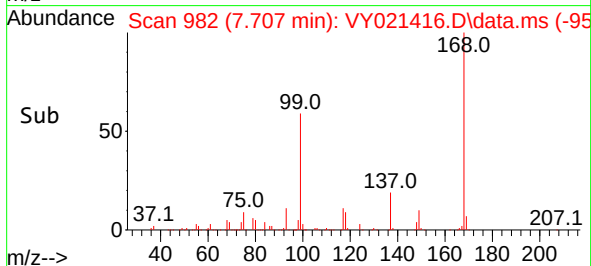
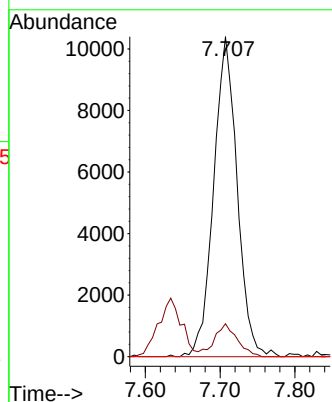
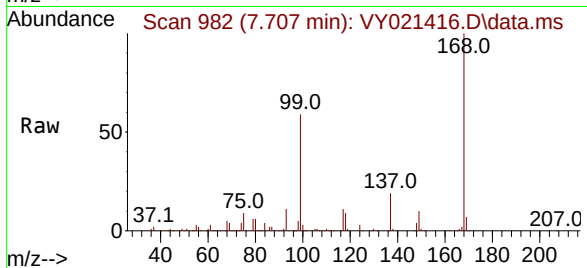
Tgt Ion: 75 Resp: 22795

Ion Ratio Lower Upper

75 100

110 10.0 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.545 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021416.D

Acq: 05 Mar 2025 16:31

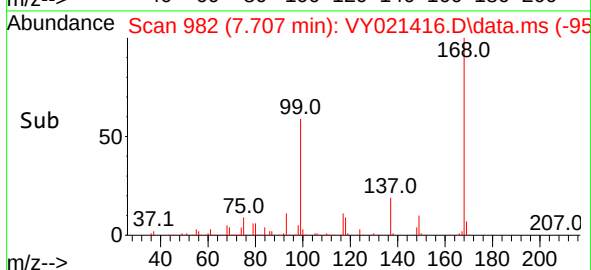
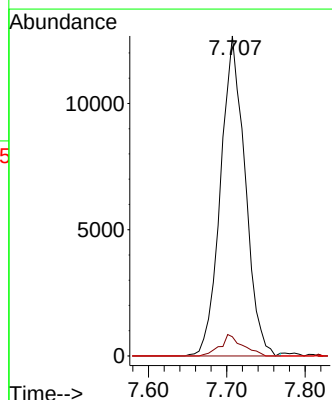
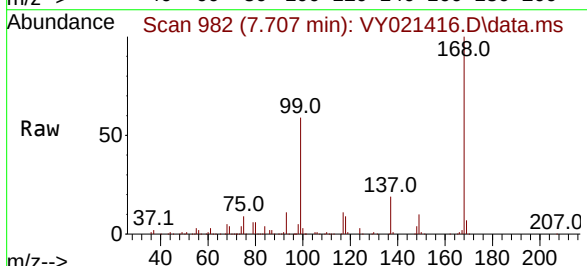
Tgt Ion: 117 Resp: 27611

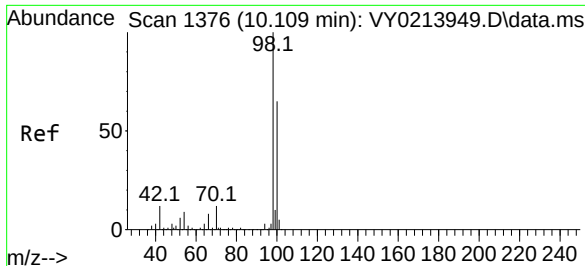
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

121 0.0 23.9 35.9#

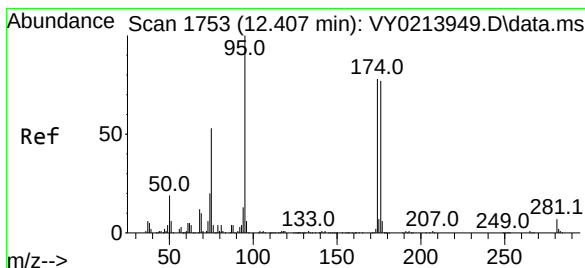
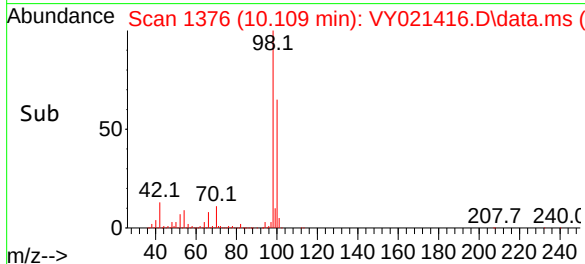
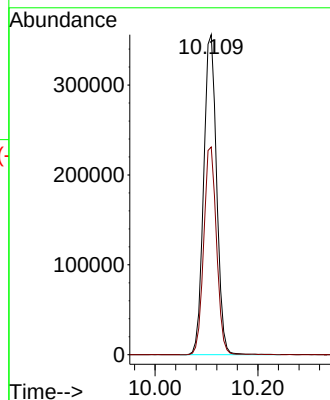
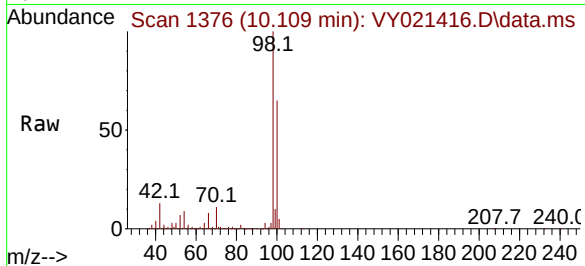




#50
Toluene-d8
Concen: 48.581 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

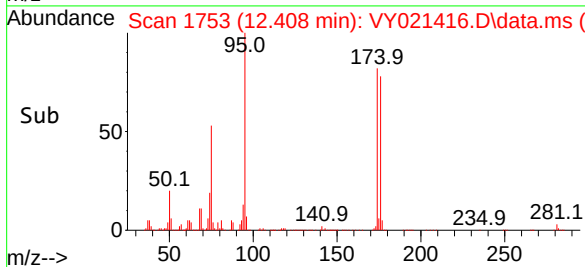
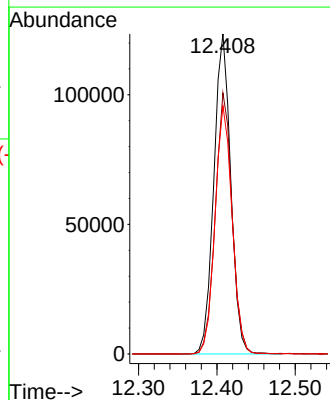
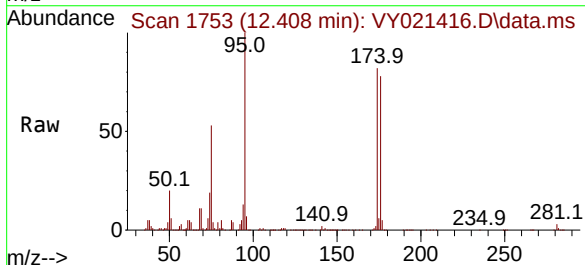
Instrument :
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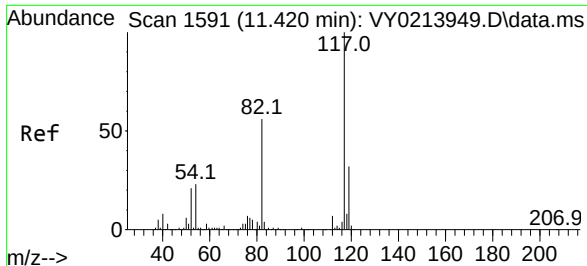
Tgt Ion: 98 Resp: 620663
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.631 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

Tgt Ion: 95 Resp: 185269
Ion Ratio Lower Upper
95 100
174 81.3 0.0 165.0
176 78.7 0.0 160.0

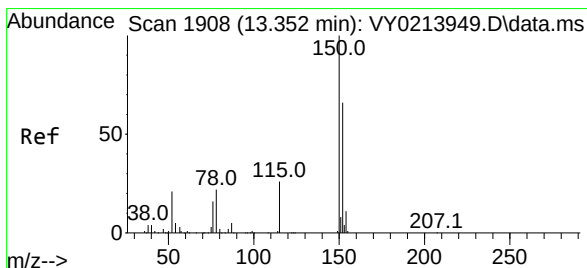
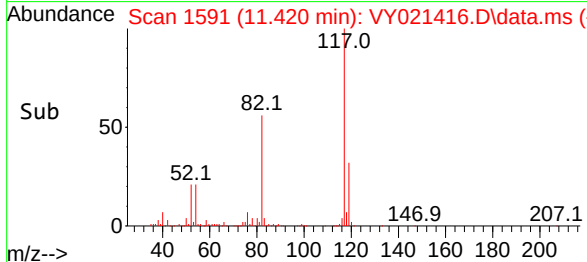
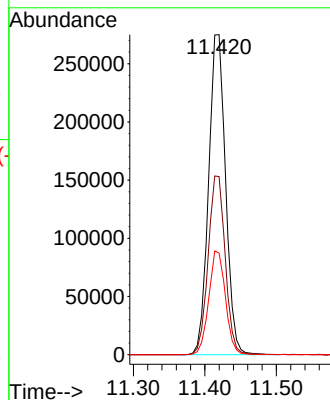
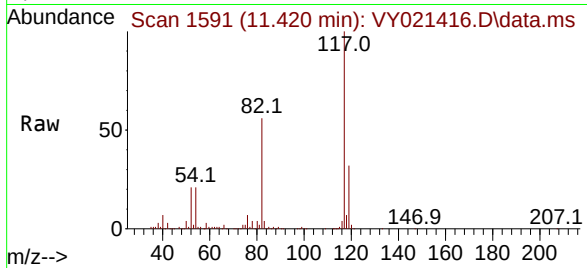




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

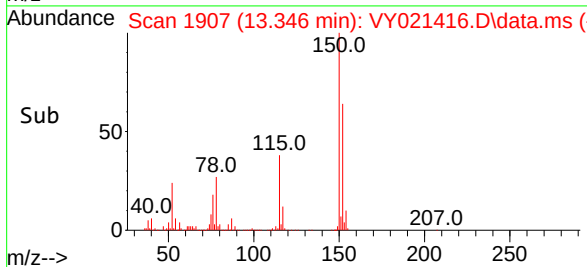
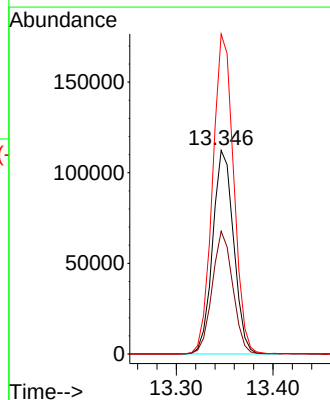
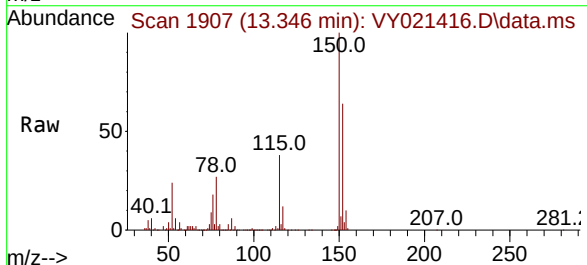
Instrument :
MSVOA_Y
ClientSampleId :
WC-K1311

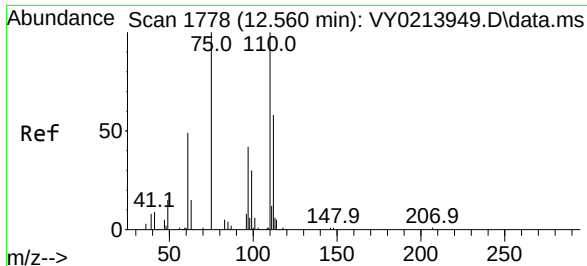
Tgt Ion:117 Resp: 454160
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021416.D
Acq: 05 Mar 2025 16:31

Tgt Ion:152 Resp: 169077
Ion Ratio Lower Upper
152 100
115 59.3 29.0 87.0
150 157.8 0.0 347.2

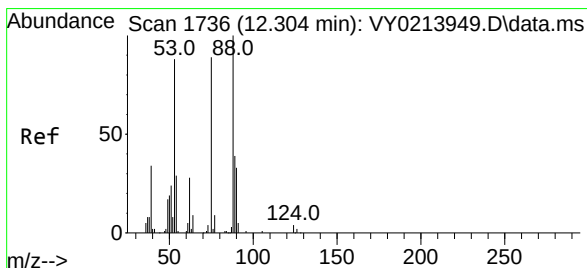
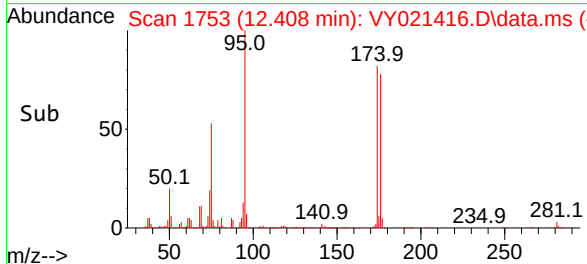
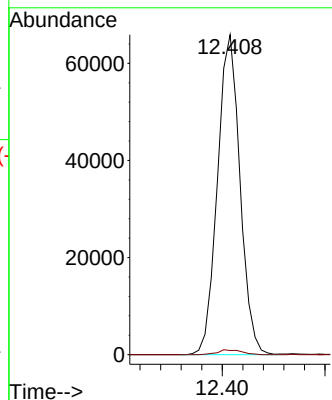
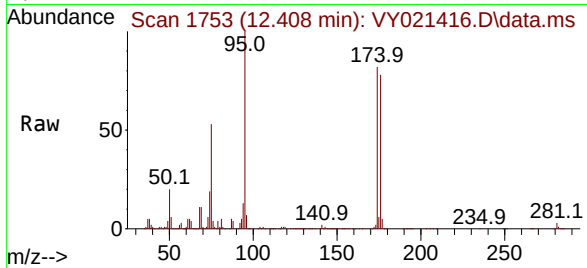




#76
 1,2,3-Trichloropropane
 Concen: 58.846 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021416.D
 Acq: 05 Mar 2025 16:31

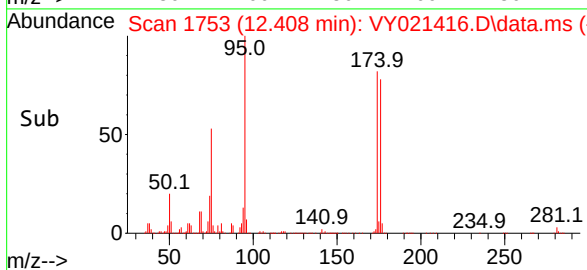
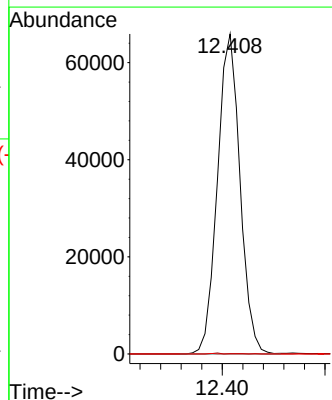
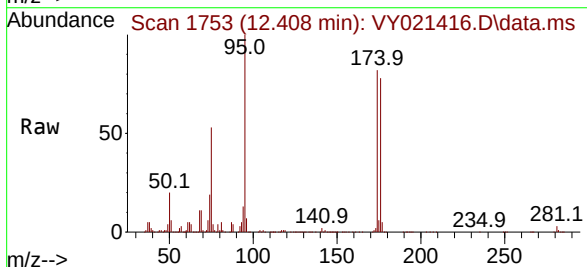
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-K1311

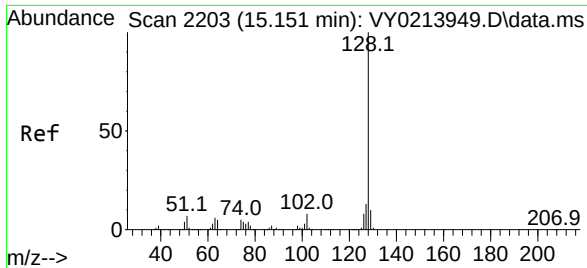
Tgt Ion: 75 Resp: 100259
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.775 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021416.D
 Acq: 05 Mar 2025 16:31

Tgt Ion: 75 Resp: 100259
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.4#
 89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.636 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021416.D

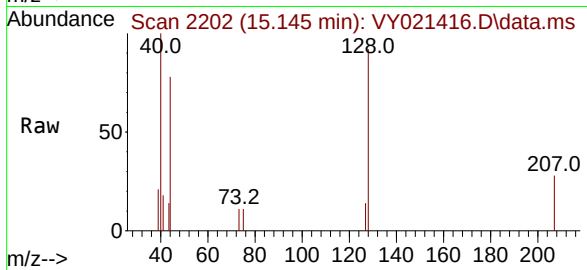
Acq: 05 Mar 2025 16:31

Instrument :

MSVOA_Y

ClientSampleId :

WC-K1311



Tgt Ion:128 Resp: 857

Ion Ratio Lower Upper

128 100

127 2.9 10.6 15.8#

129 0.0 8.6 13.0#

