

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022316.D
 Acq On : 19 May 2025 14:12
 Operator : SY/MD
 Sample : Q2062-07
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-2-VOC

Quant Time: May 20 01:13:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

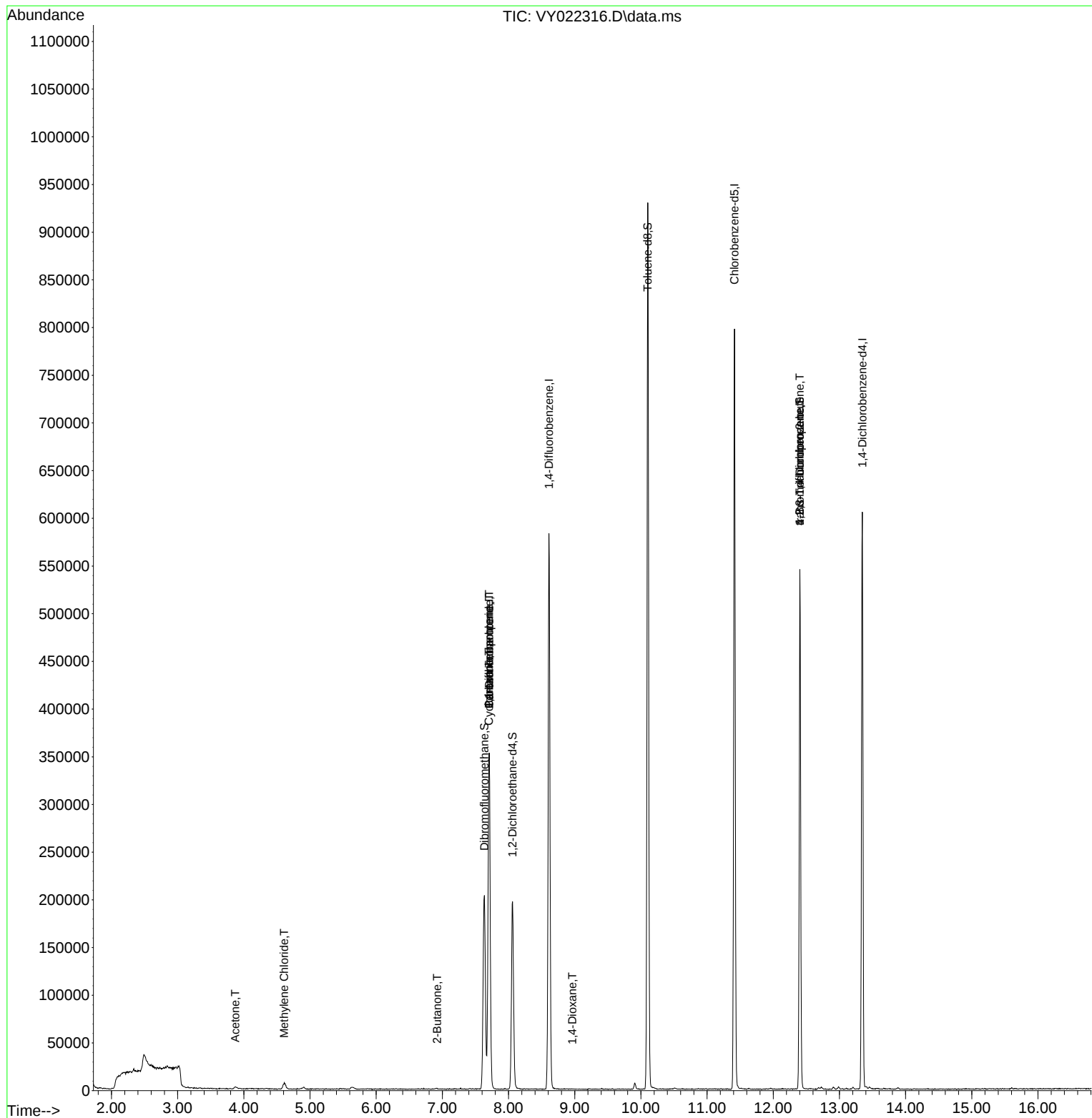
Internal Standards						
1) Pentafluorobenzene	7.707	168	265968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	473236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	382351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145089	49.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.820%
35) Dibromofluoromethane	7.634	113	141637	50.145	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.280%
50) Toluene-d8	10.103	98	570438	49.311	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.402	95	147732	40.290	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.580%
Target Compounds						
16) Acetone	3.873	43	3801	6.974	ug/l	98
20) Methylene Chloride	4.610	84	4397	1.248	ug/l	85
25) 2-Butanone	6.921	43	999	1.096	ug/l #	47
31) Cyclohexane	7.701	56	7294	1.240	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	23073	4.959	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27734	5.759	ug/l #	16
49) 1,4-Dioxane	8.963	88	24	1.185	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	86648	59.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	86648	121.116	ug/l #	12

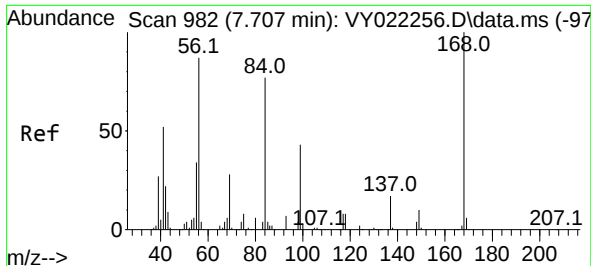
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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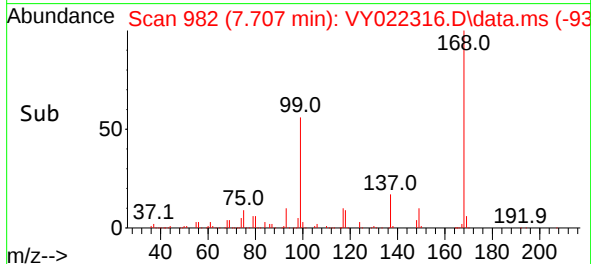
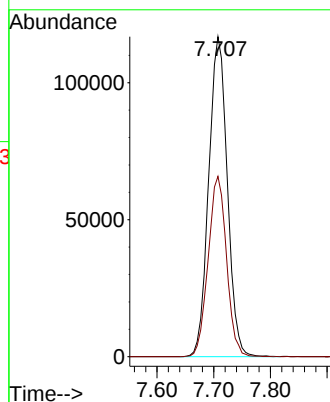
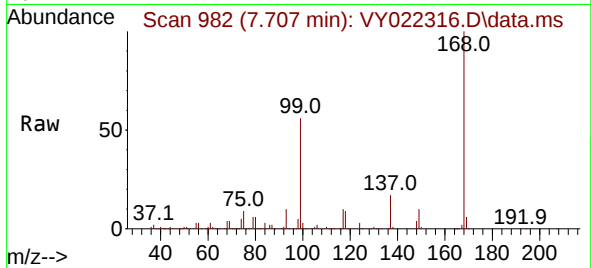




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

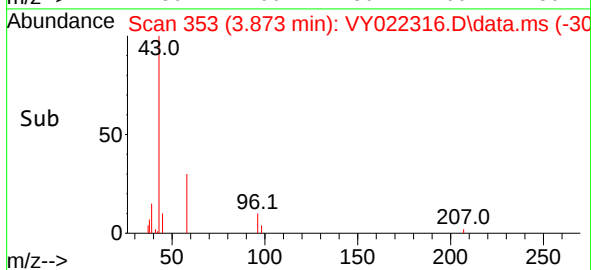
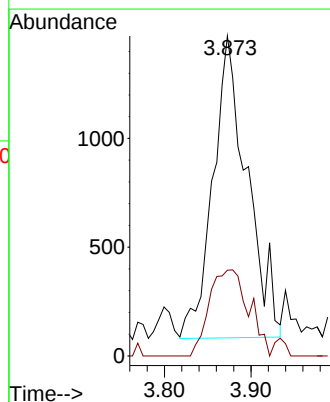
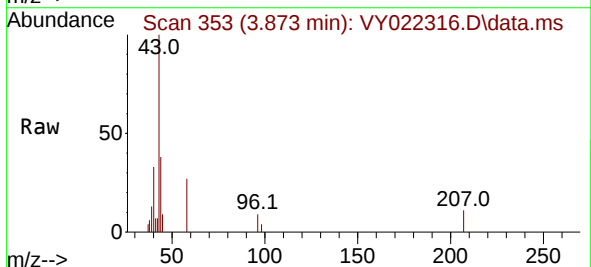
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-2-VOC

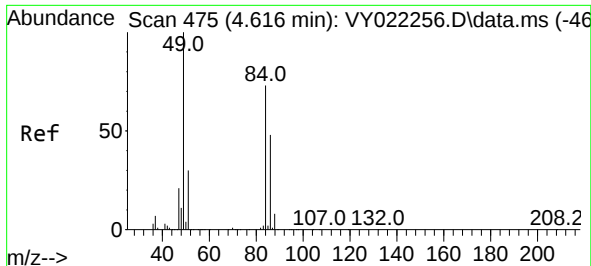
Tgt Ion:168 Resp: 265968
Ion Ratio Lower Upper
168 100
99 56.4 44.2 66.4



#16
Acetone
Concen: 6.974 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

Tgt Ion: 43 Resp: 3801
Ion Ratio Lower Upper
43 100
58 28.5 23.6 35.4

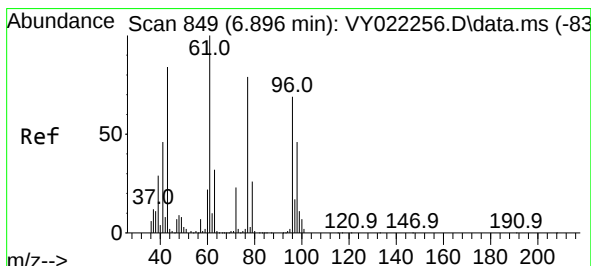
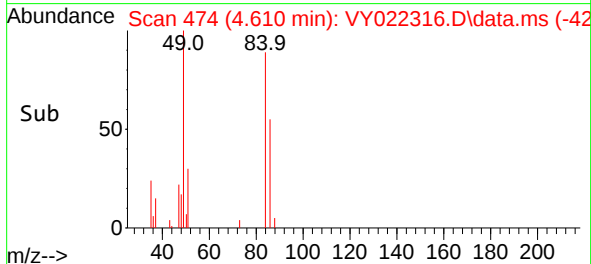
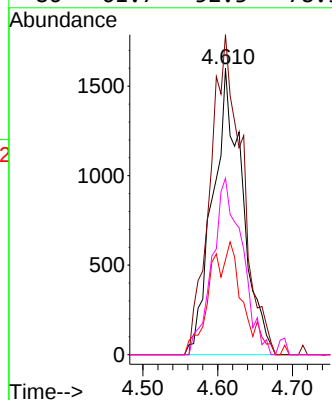
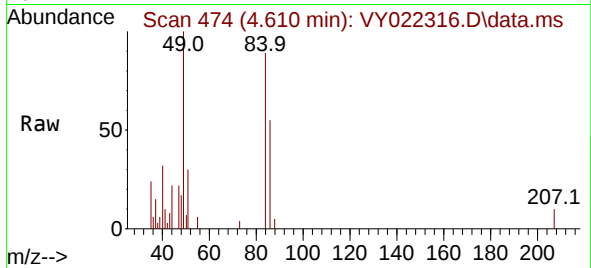




#20
Methylene Chloride
Concen: 1.248 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

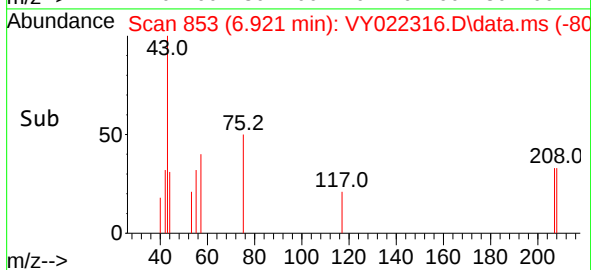
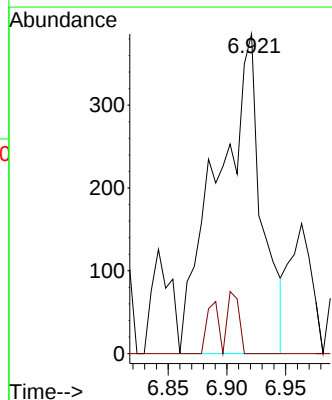
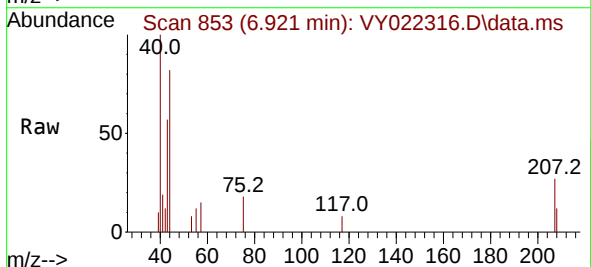
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-2-VOC

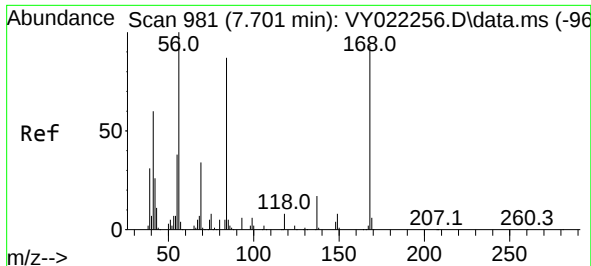
Tgt Ion:	84	Resp:	4397
Ion	Ratio	Lower	Upper
84	100		
49	111.8	109.6	164.4
51	33.1	32.4	48.6
86	61.7	52.3	78.5



#25
2-Butanone
Concen: 1.096 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.025 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

Tgt Ion:	43	Resp:	999
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

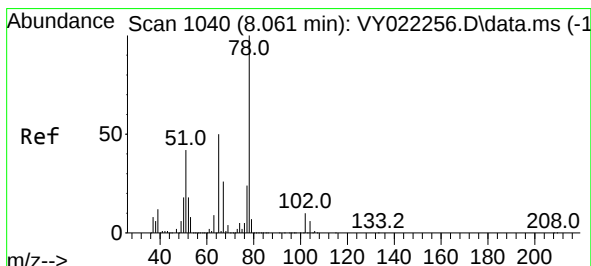
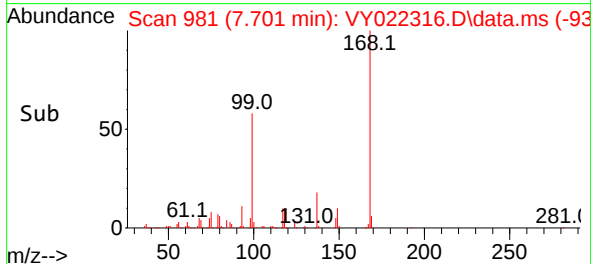
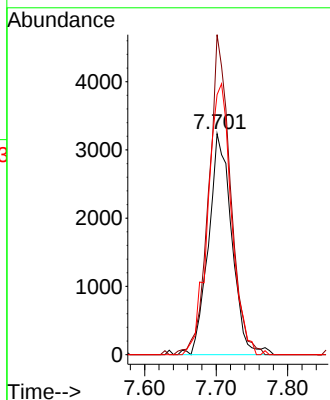
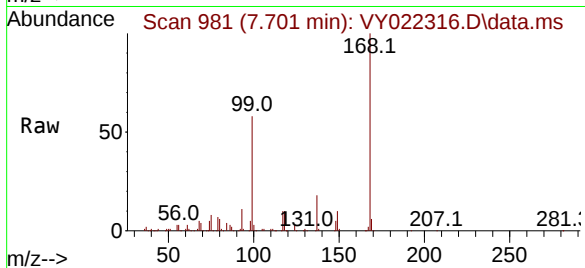




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

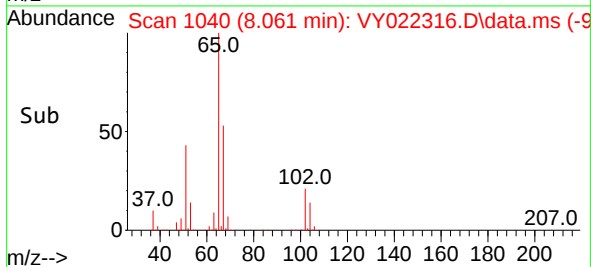
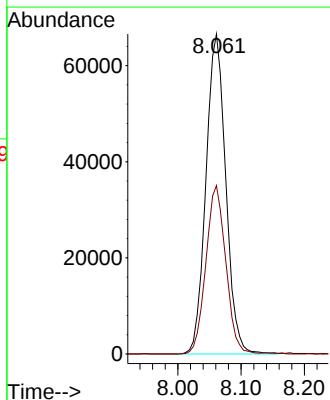
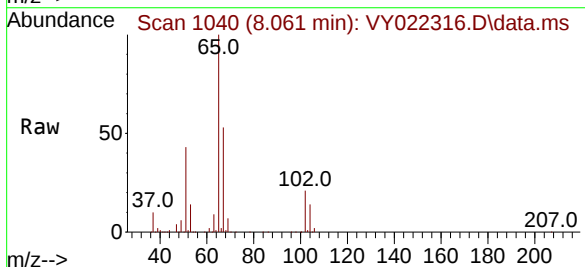
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-2-VOC

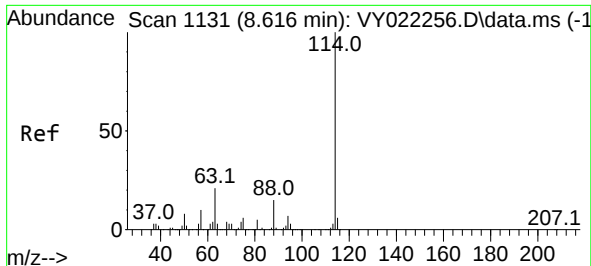
Tgt Ion: 56 Resp: 7294
Ion Ratio Lower Upper
56 100
69 144.9 27.4 41.2#
84 117.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

Tgt Ion: 65 Resp: 145089
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.6

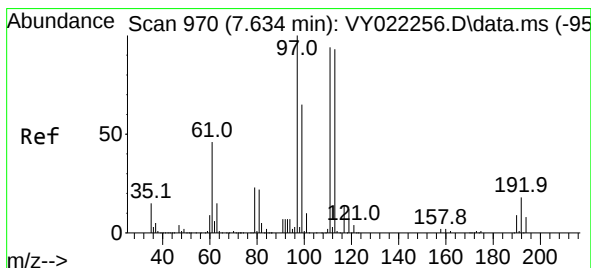
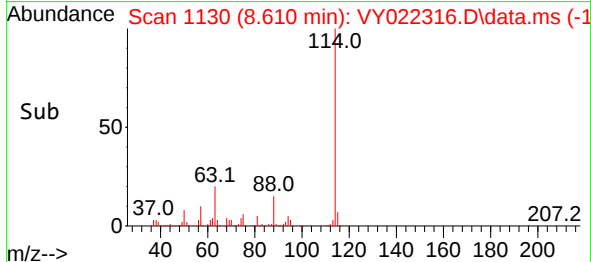
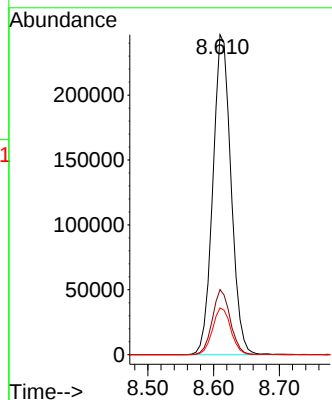
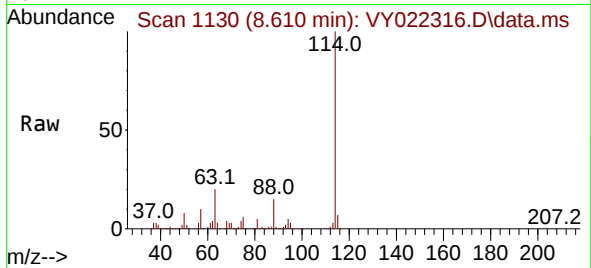




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

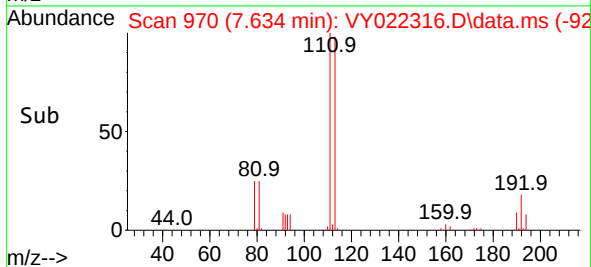
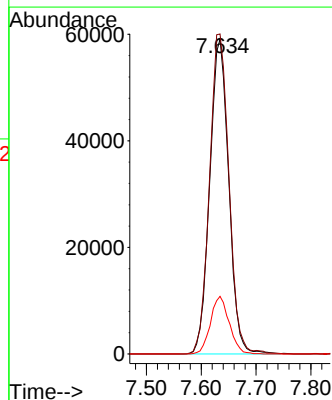
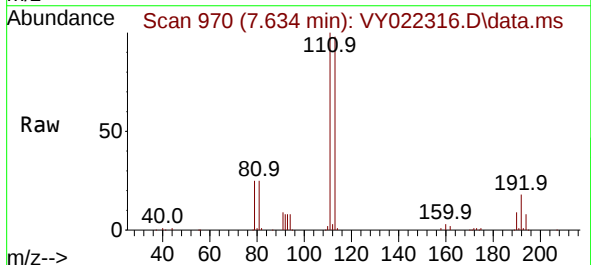
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-2-VOC

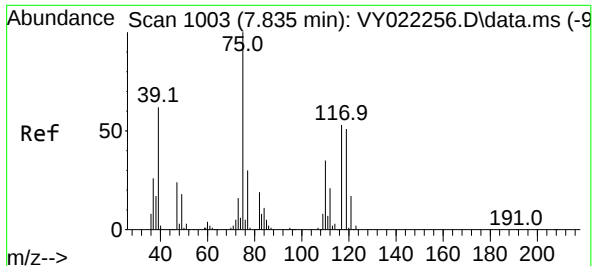
Tgt Ion:114 Resp: 473236
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.0
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.145 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

Tgt Ion:113 Resp: 141637
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022316.D

Acq: 19 May 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-2-VOC

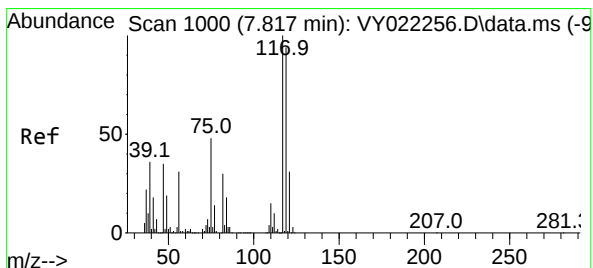
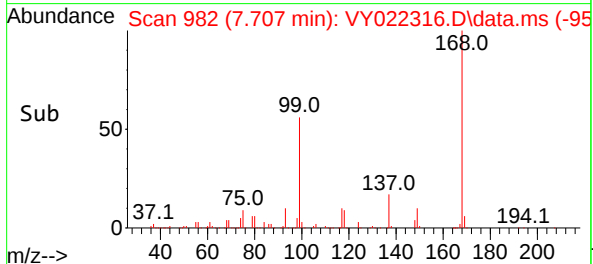
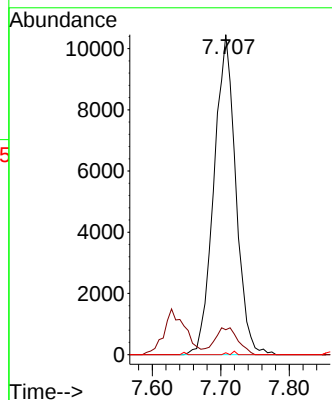
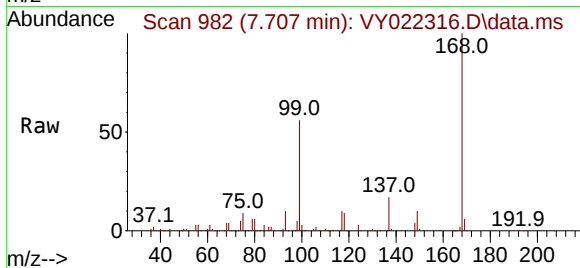
Tgt Ion: 75 Resp: 23073

Ion Ratio Lower Upper

75 100

110 9.1 16.6 49.8#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.759 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022316.D

Acq: 19 May 2025 14:12

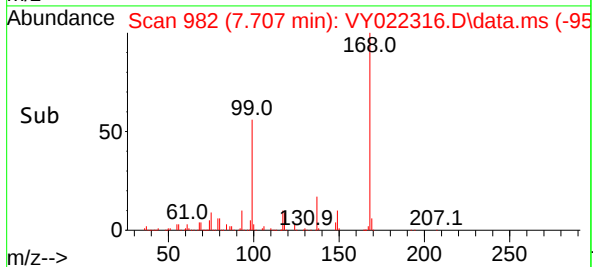
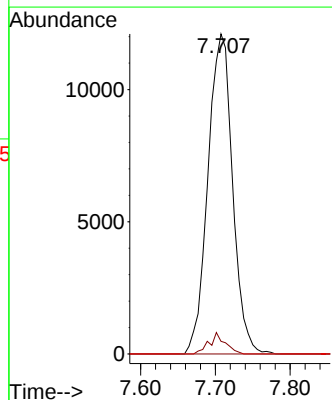
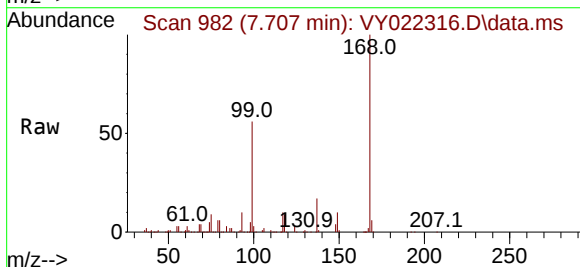
Tgt Ion: 117 Resp: 27734

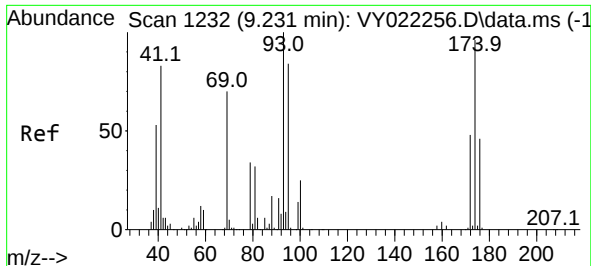
Ion Ratio Lower Upper

117 100

119 3.9 75.3 112.9#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.185 ug/l

RT: 8.963 min Scan# 1188

Delta R.T. -0.268 min

Lab File: VY022316.D

Acq: 19 May 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-2-VOC

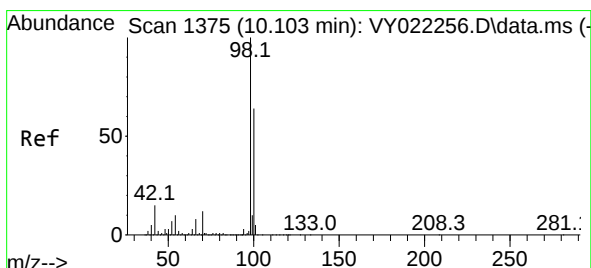
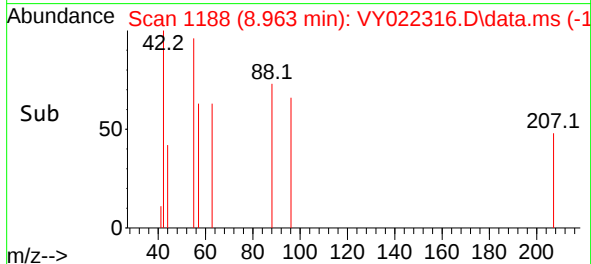
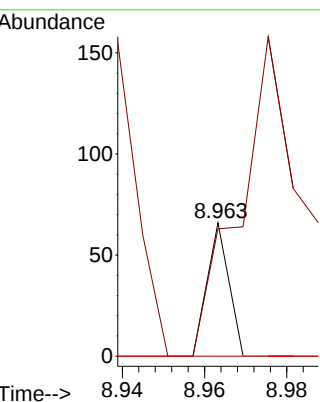
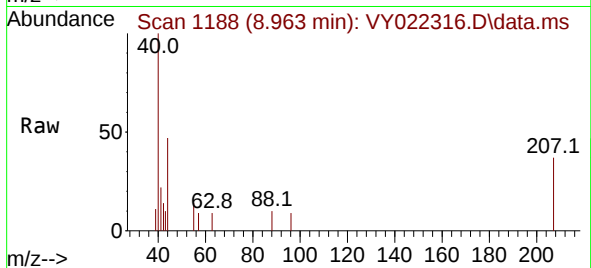
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 662.5 28.5 42.7#

58 0.0 61.4 92.2#



#50

Toluene-d8

Concen: 49.311 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022316.D

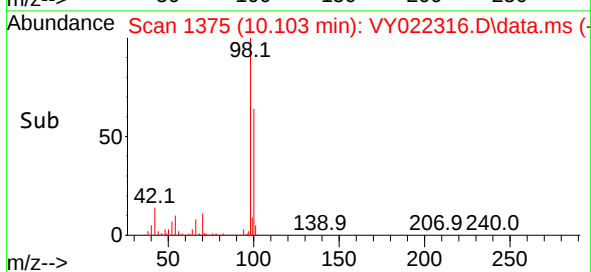
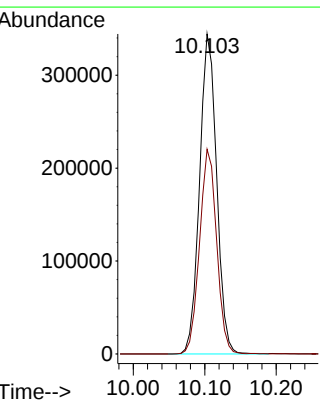
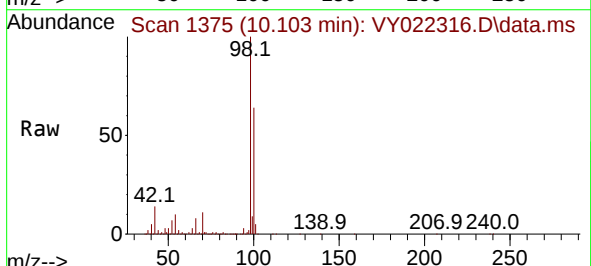
Acq: 19 May 2025 14:12

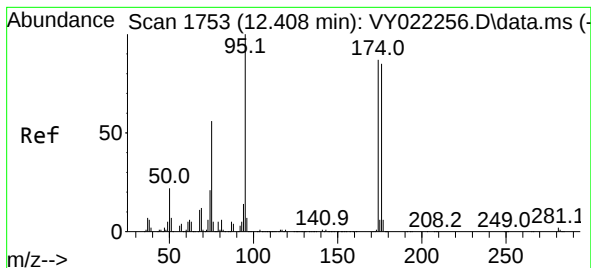
Tgt Ion: 98 Resp: 570438

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.8

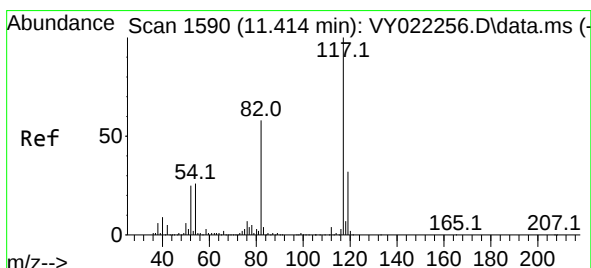
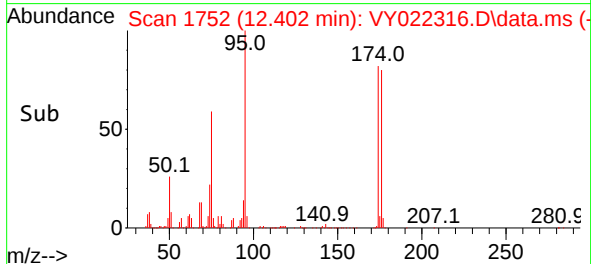
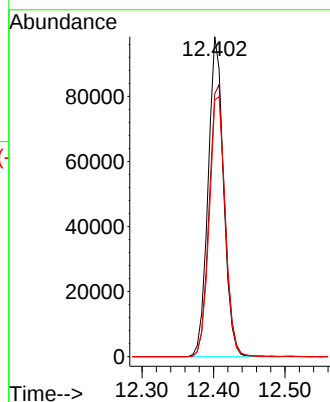
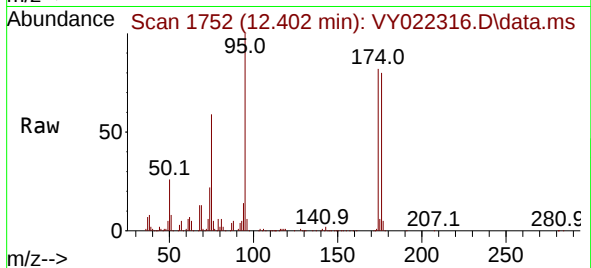




#62
4-Bromofluorobenzene
Concen: 40.290 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

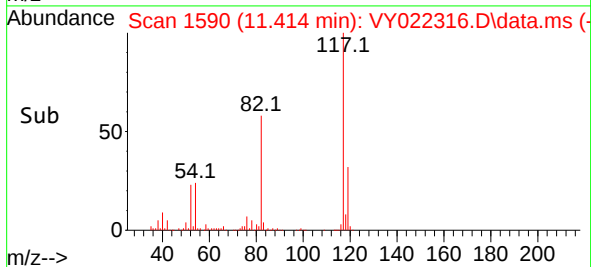
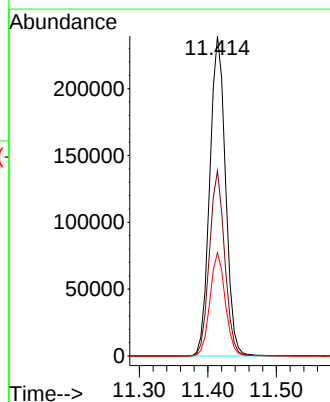
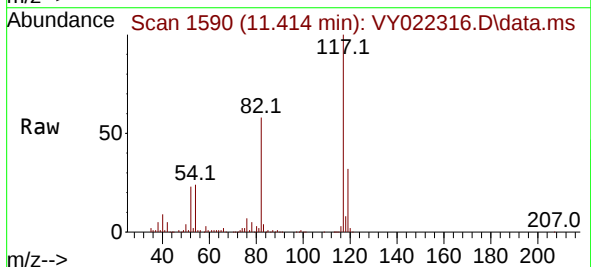
Instrument :
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L1-WC-2-VOC

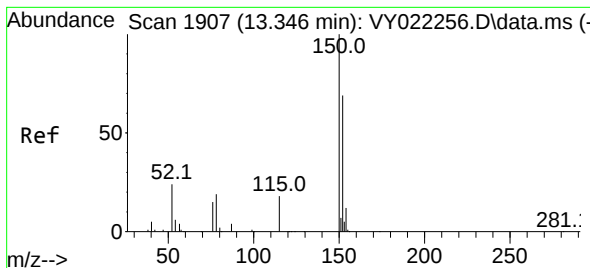
Tgt Ion: 95 Resp: 147732
Ion Ratio Lower Upper
95 100
174 87.2 0.0 166.8
176 84.1 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022316.D
Acq: 19 May 2025 14:12

Tgt Ion: 117 Resp: 382351
Ion Ratio Lower Upper
117 100
82 57.9 46.6 70.0
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022316.D

Acq: 19 May 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-2-VOC

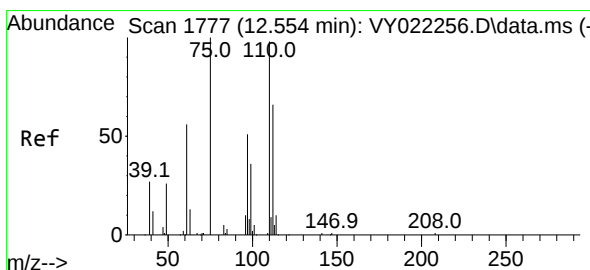
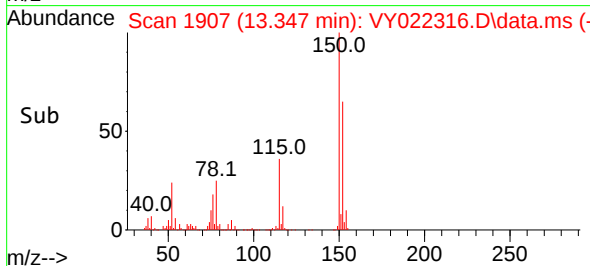
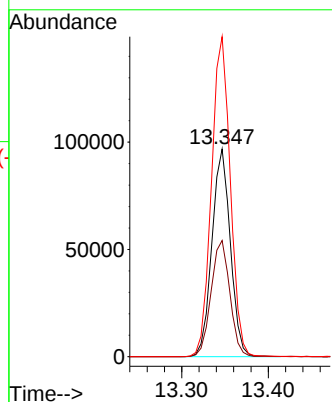
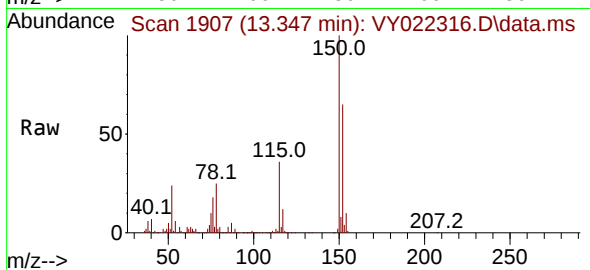
Tgt Ion:152 Resp: 143050

Ion Ratio Lower Upper

152 100

115 57.2 29.4 88.2

150 157.3 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 59.788 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022316.D

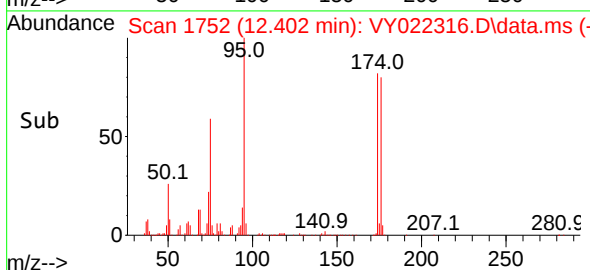
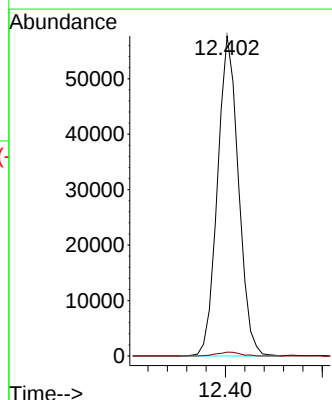
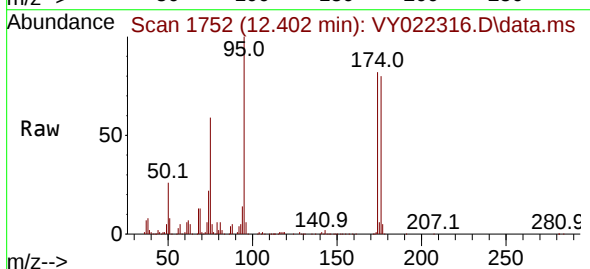
Acq: 19 May 2025 14:12

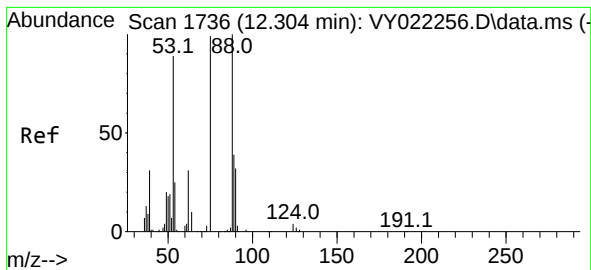
Tgt Ion: 75 Resp: 86648

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.116 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022316.D
 Acq: 19 May 2025 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-2-VOC

Tgt Ion: 75 Resp: 86648
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

