

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023025.D
 Acq On : 21 Jul 2025 14:36
 Operator : SY/MD
 Sample : Q2649-07
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Quant Time: Jul 22 04:52:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	285152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	548072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	552632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	259290	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173959	60.263	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.520%
35) Dibromofluoromethane	7.628	113	177995	51.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.400%
50) Toluene-d8	10.103	98	679778	49.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.402	95	244413	56.317	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.640%

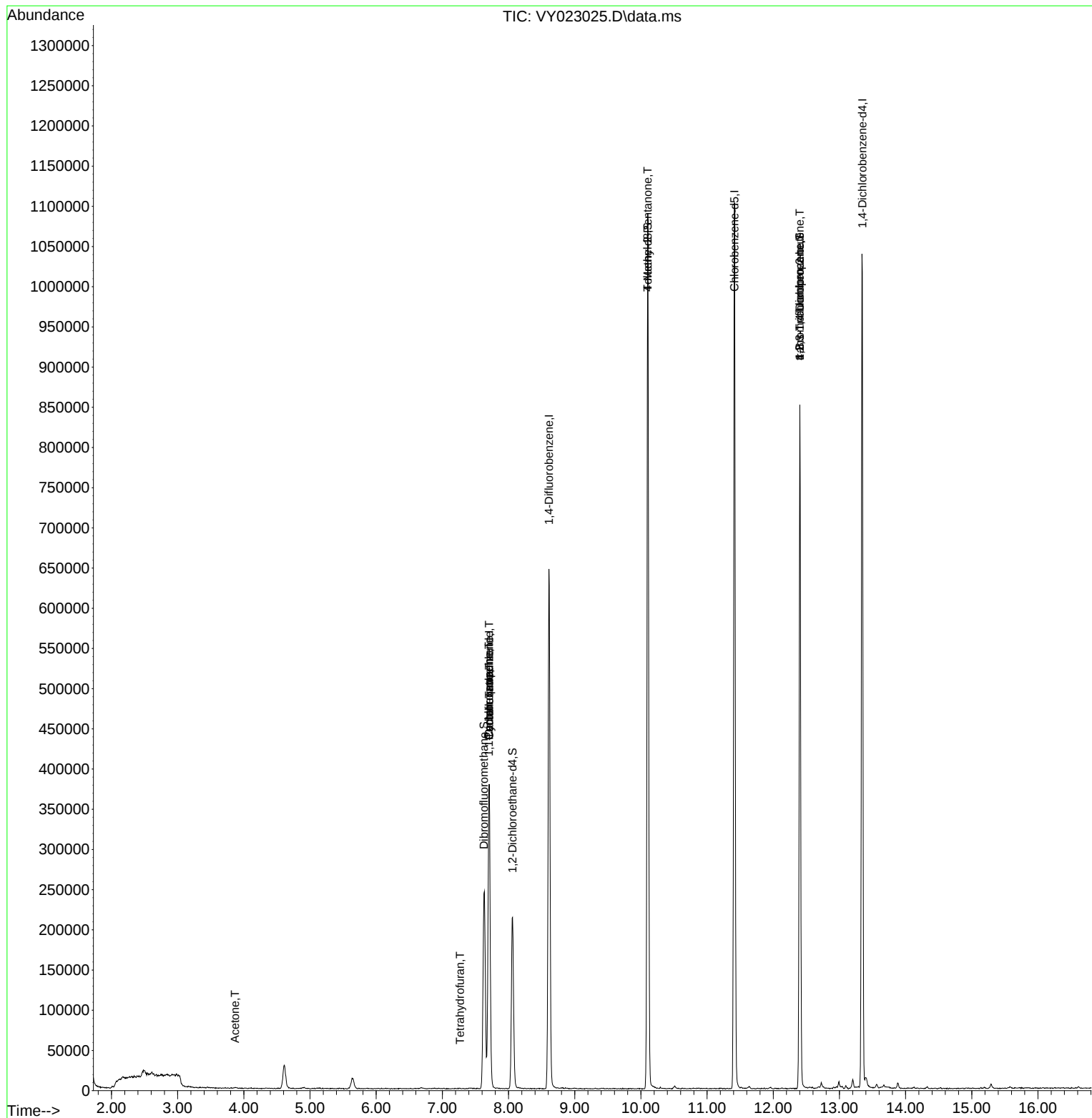
Target Compounds					Qvalue	
16) Acetone	3.867	43	1950	3.727	ug/l #	87
20) Methylene Chloride	4.616	84	21010	Below Cal		97
29) Tetrahydrofuran	7.268	42	489	1.029	ug/l #	50
31) Cyclohexane	7.707	56	6936	1.207	ug/l #	30
36) 1,1-Dichloropropene	7.701	75	24253	4.429	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28725	4.828	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3249	1.584	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	134540	41.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	134540	124.026	ug/l #	12

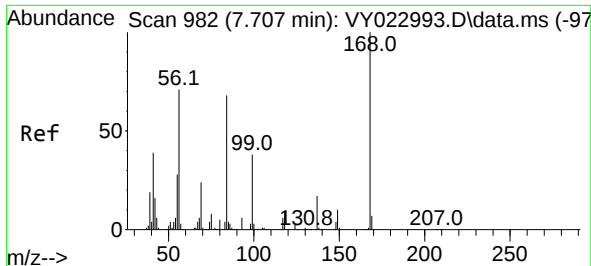
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023025.D
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Operator : SY/MD
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Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

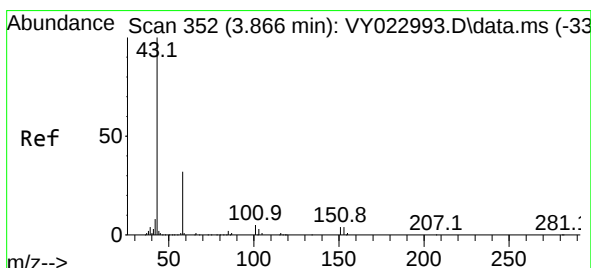
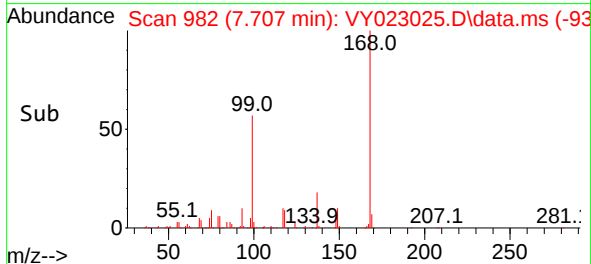
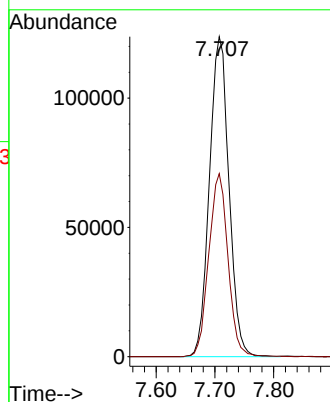
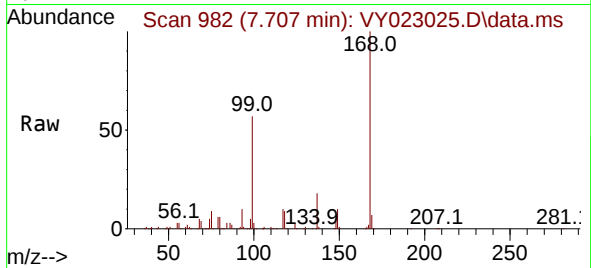




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

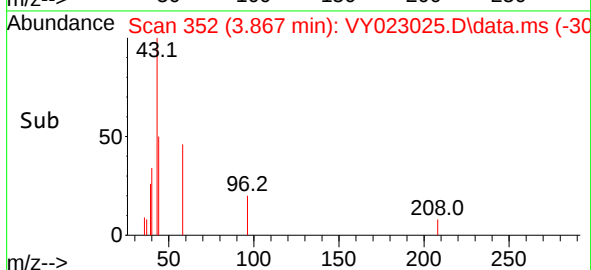
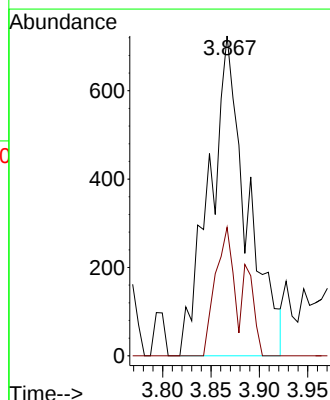
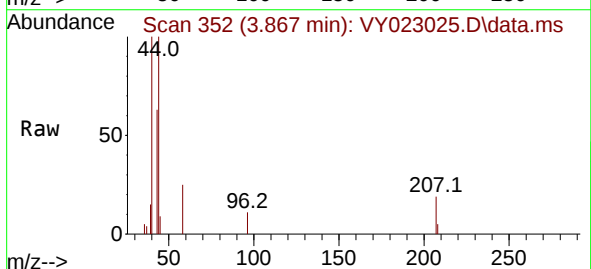
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

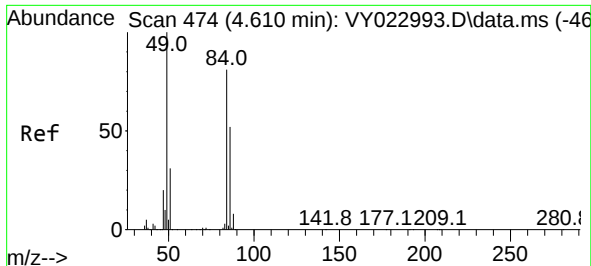
Tgt Ion:168 Resp: 285152
Ion Ratio Lower Upper
168 100
99 57.2 44.4 66.6



#16
Acetone
Concen: 3.727 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
58 40.2 26.2 39.4#



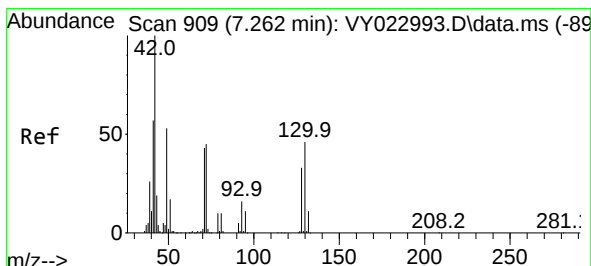
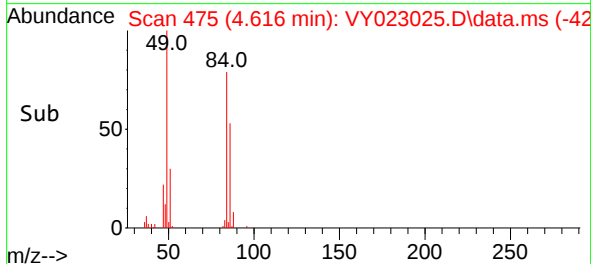
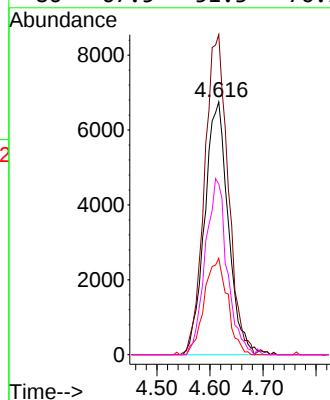
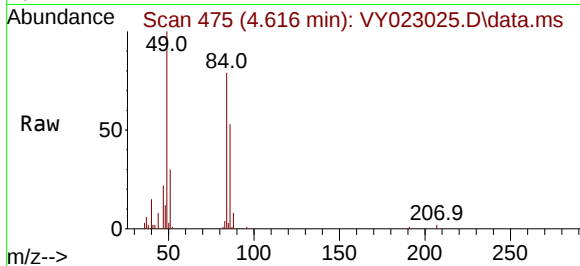


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

Tgt Ion: 84 Resp: 21010

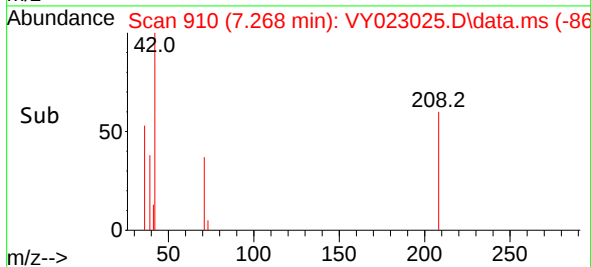
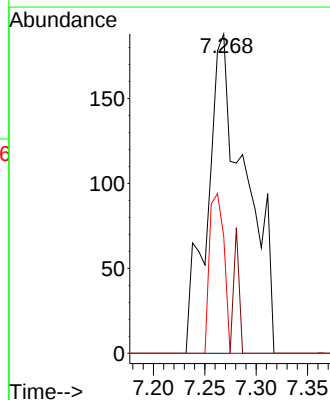
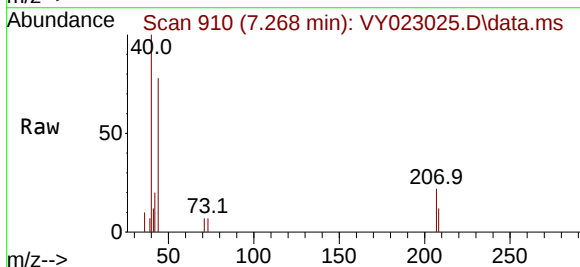
Ion	Ratio	Lower	Upper
84	100		
49	126.6	98.2	147.4
51	38.1	30.5	45.7
86	67.5	51.3	76.9

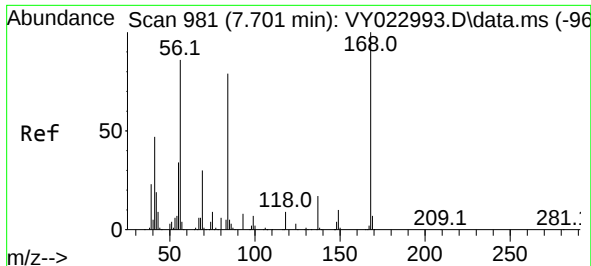


#29
Tetrahydrofuran
Concen: 1.029 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

Tgt Ion: 42 Resp: 489

Ion	Ratio	Lower	Upper
42	100		
72	5.5	37.5	56.3#
71	18.8	34.2	51.4#

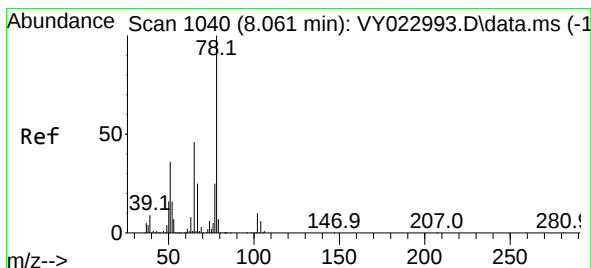
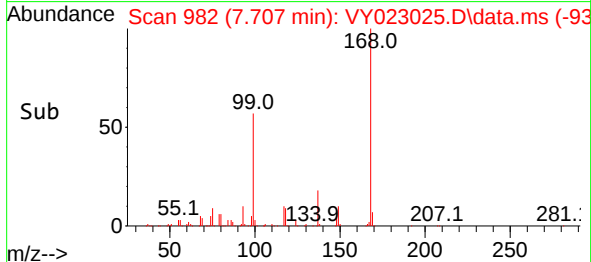
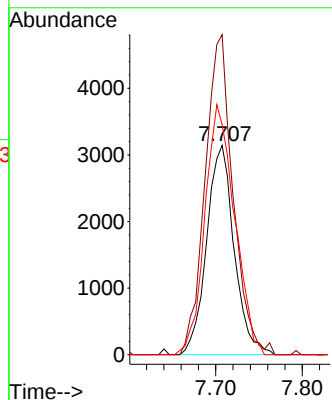
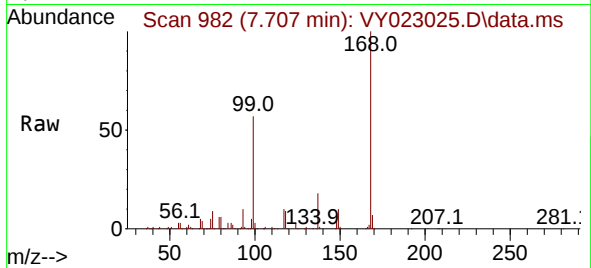




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

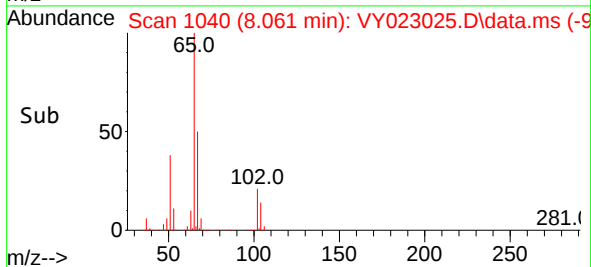
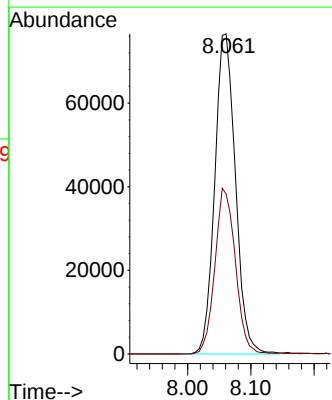
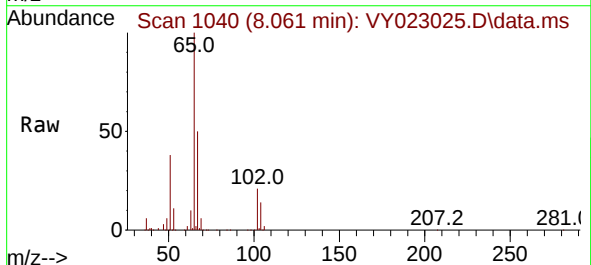
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

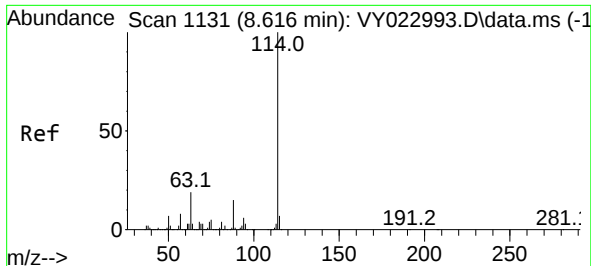
Tgt Ion: 56 Resp: 6936
Ion Ratio Lower Upper
56 100
69 152.9 28.1 42.1#
84 110.1 73.5 110.3



#33
1,2-Dichloroethane-d4
Concen: 60.263 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

Tgt Ion: 65 Resp: 173959
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

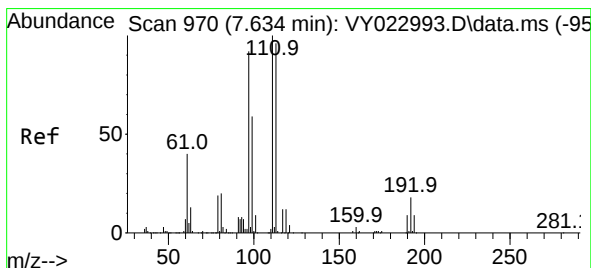
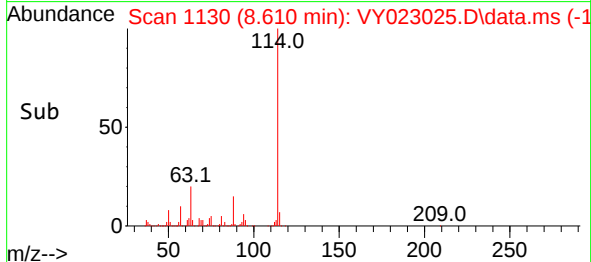
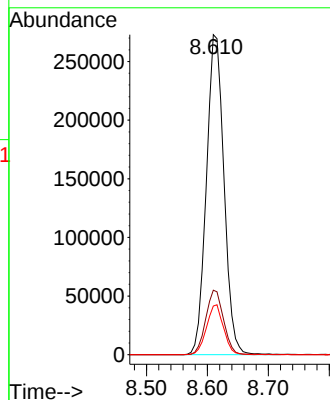
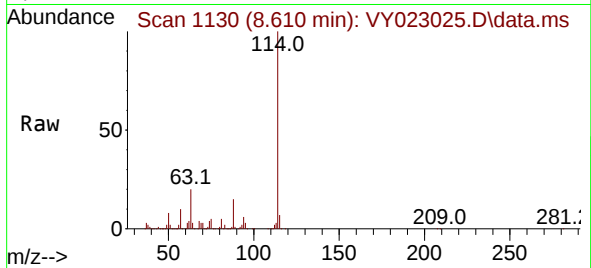




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

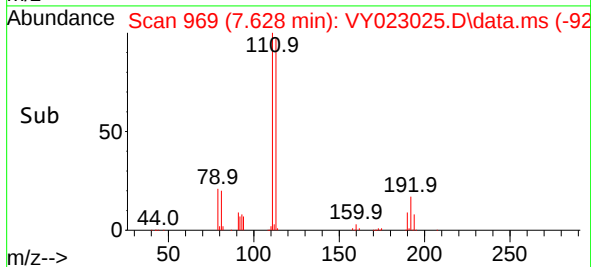
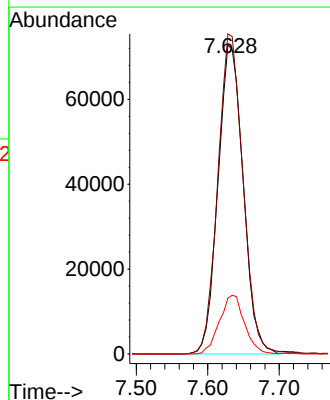
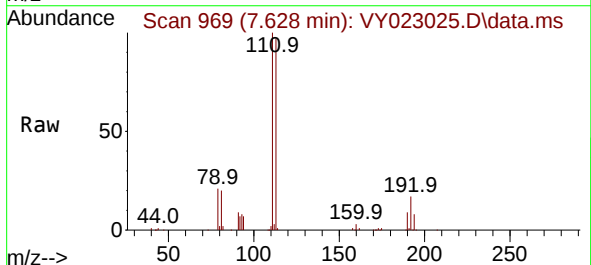
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

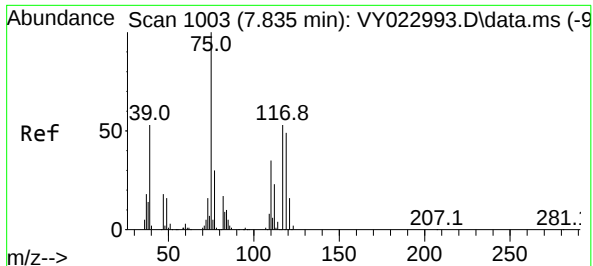
Tgt Ion:114 Resp: 548072
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.8
88 15.2 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.198 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

Tgt Ion:113 Resp: 177995
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.9 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.429 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY023025.D

Acq: 21 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC

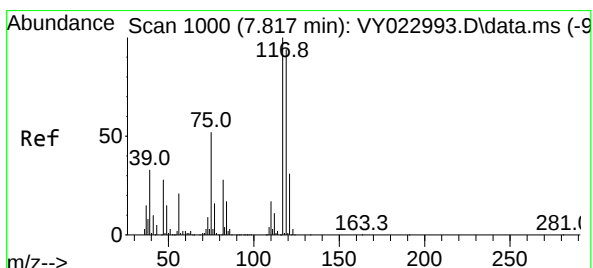
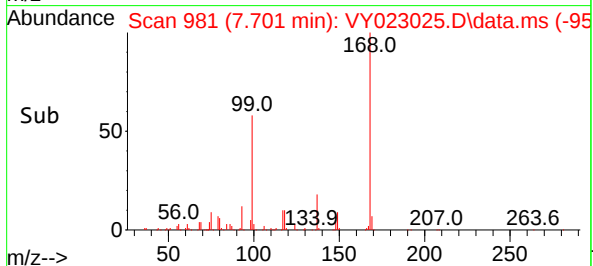
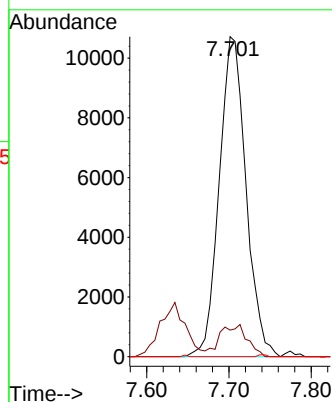
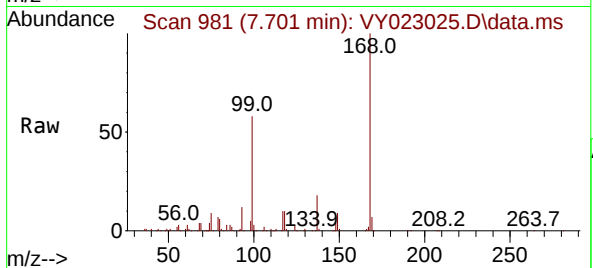
Tgt Ion: 75 Resp: 24253

Ion Ratio Lower Upper

75 100

110 10.2 17.3 51.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.828 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023025.D

Acq: 21 Jul 2025 14:36

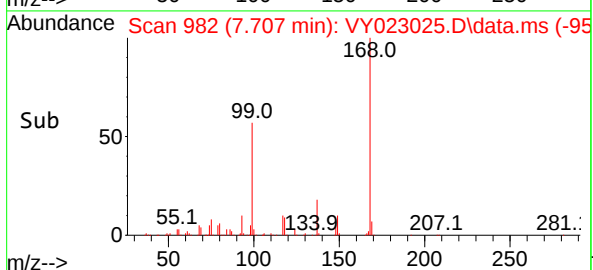
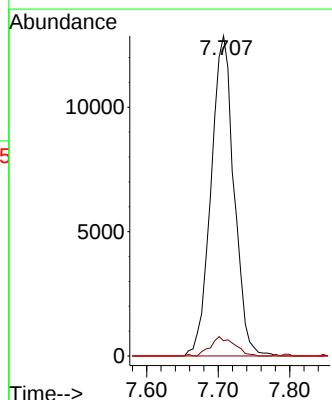
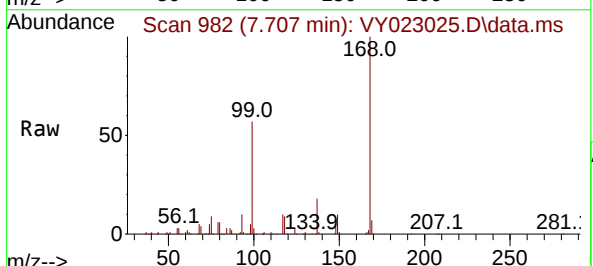
Tgt Ion: 117 Resp: 28725

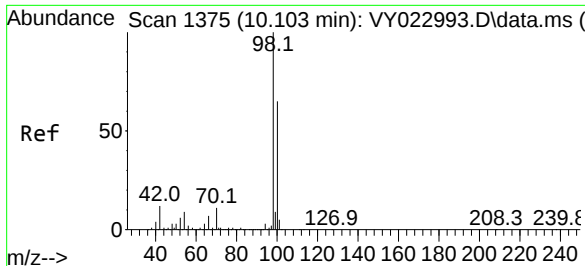
Ion Ratio Lower Upper

117 100

119 4.8 74.9 112.3#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 49.306 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023025.D

Acq: 21 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

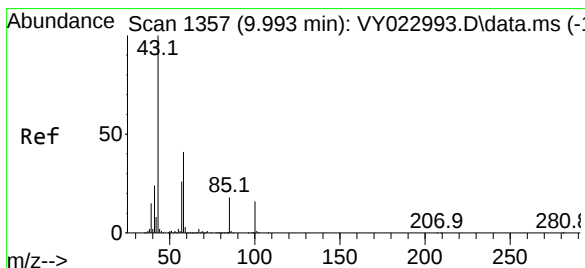
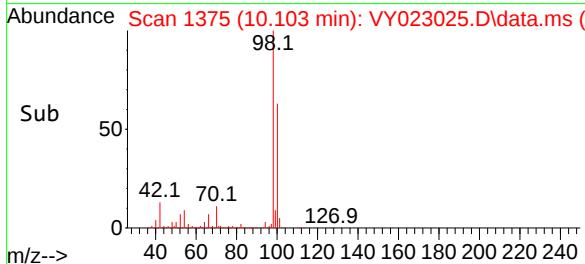
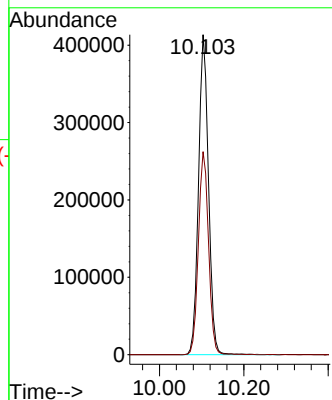
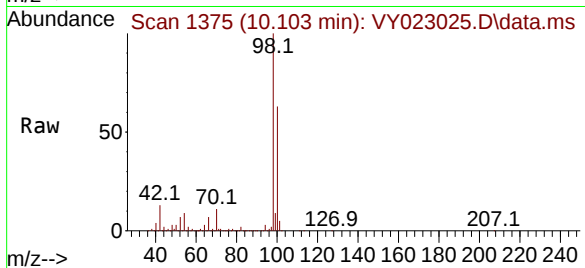
WC-2-VOC

Tgt Ion: 98 Resp: 679778

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.584 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY023025.D

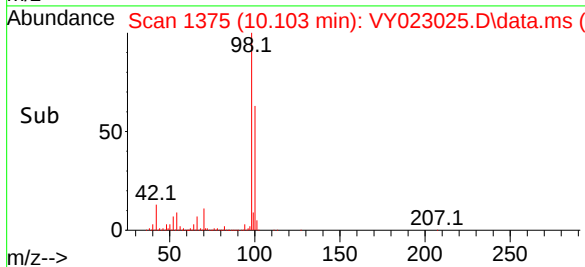
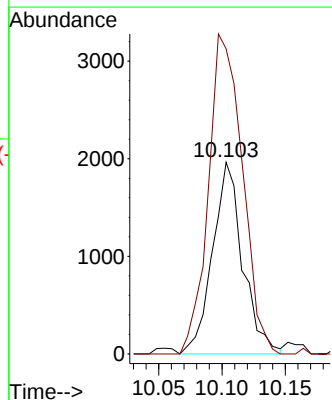
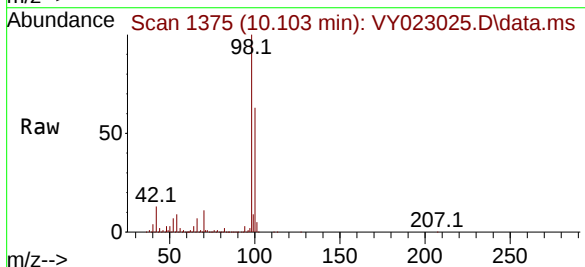
Acq: 21 Jul 2025 14:36

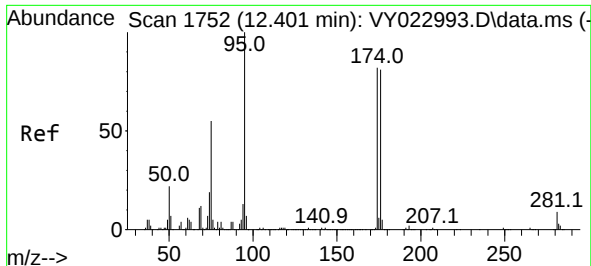
Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

43 100

58 188.4 32.5 48.7#

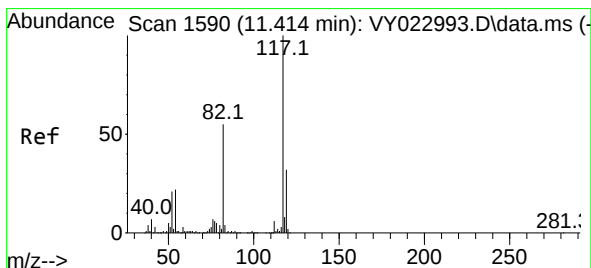
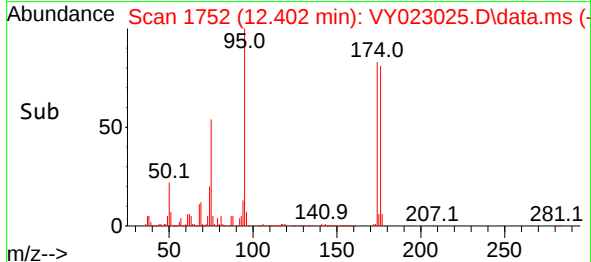
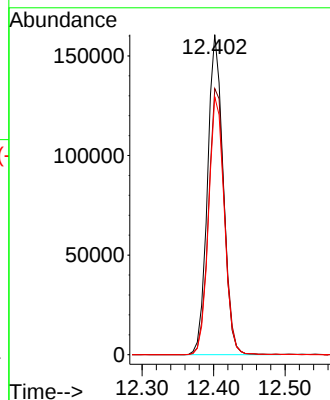
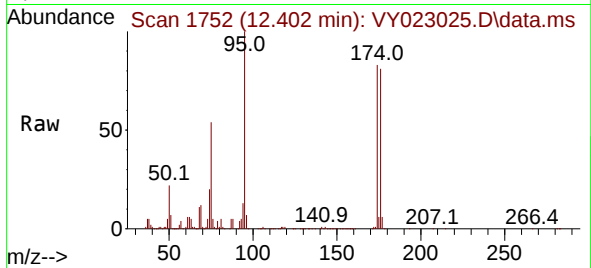




#62
4-Bromofluorobenzene
Concen: 56.317 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

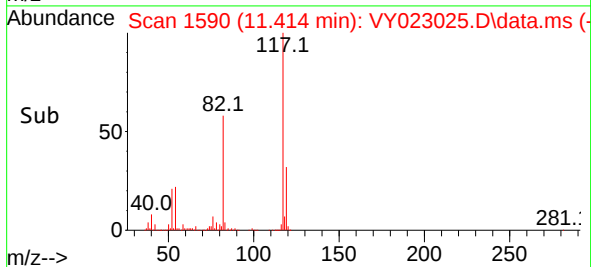
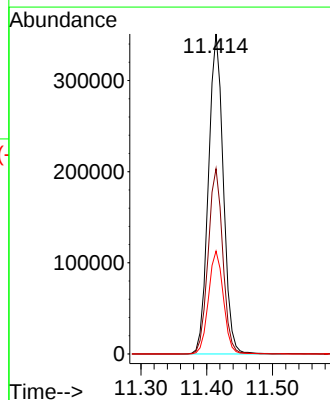
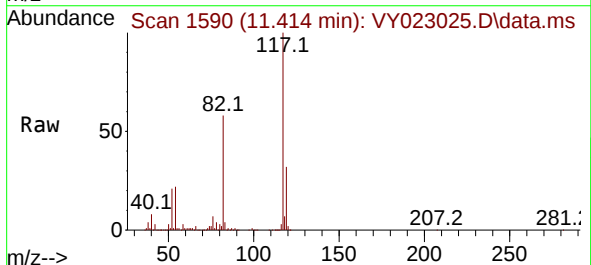
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

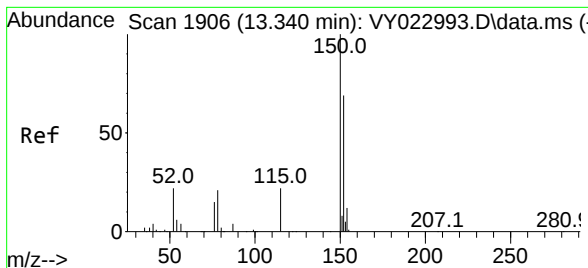
Tgt Ion: 95 Resp: 244413
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.8
176 80.8 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023025.D
Acq: 21 Jul 2025 14:36

Tgt Ion: 117 Resp: 552632
Ion Ratio Lower Upper
117 100
82 57.9 44.3 66.5
119 32.2 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023025.D

Acq: 21 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC

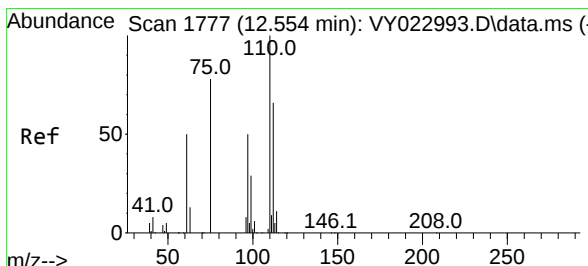
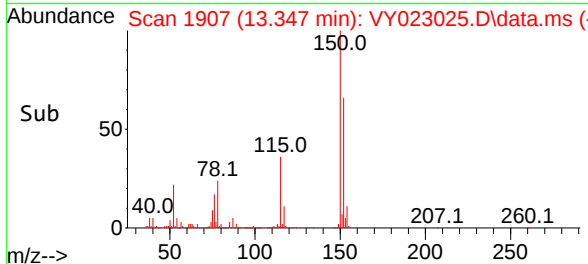
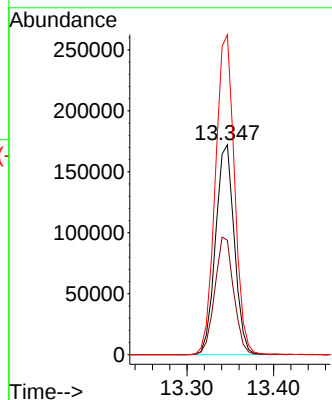
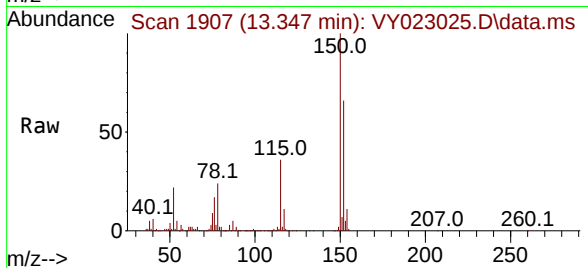
Tgt Ion:152 Resp: 259290

Ion Ratio Lower Upper

152 100

115 56.5 29.4 88.2

150 155.2 0.0 350.0



#76

1,2,3-Trichloropropane

Concen: 41.641 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023025.D

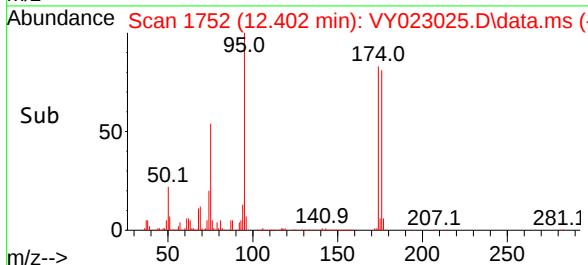
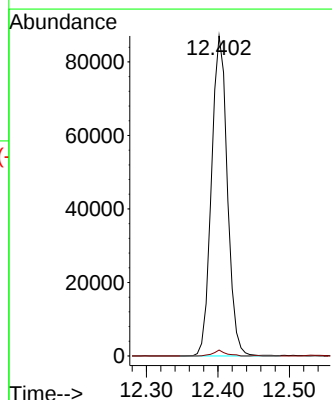
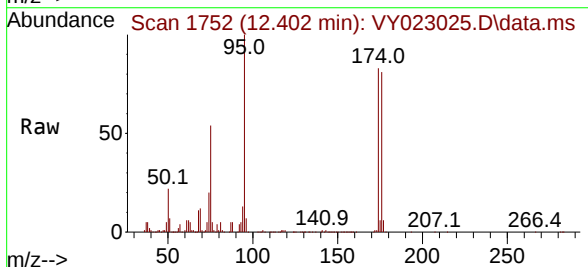
Acq: 21 Jul 2025 14:36

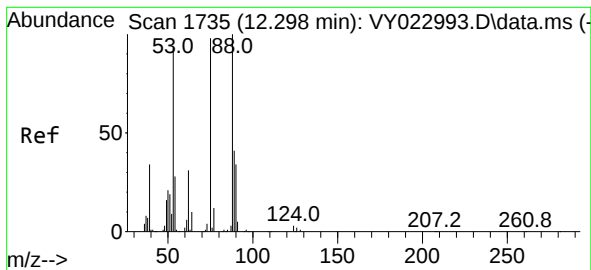
Tgt Ion: 75 Resp: 134540

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.026 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023025.D
 Acq: 21 Jul 2025 14:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Tgt Ion: 75 Resp: 134540
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.1 54.1#

