

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022620.D
 Acq On : 09 Jun 2025 11:16
 Operator : SY/MD
 Sample : Q2206-03
 Misc : 4.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jun 10 01:26:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

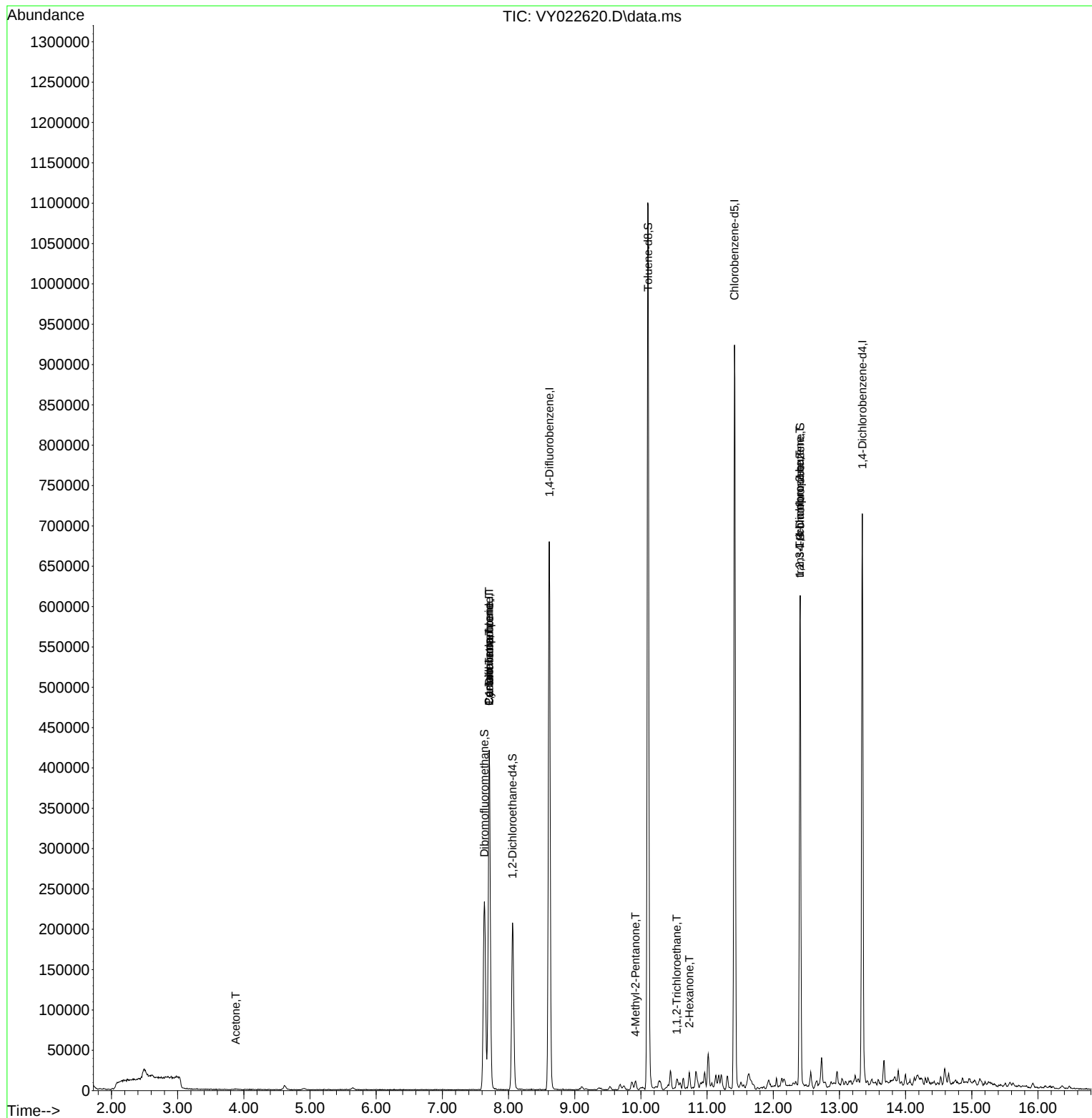
Internal Standards						
1) Pentafluorobenzene	7.707	168	299872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	556479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	441579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156365	46.622	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.240%
35) Dibromofluoromethane	7.634	113	165860	49.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.109	98	674717	50.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.408	95	164058	41.027	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.060%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1469	2.157	ug/l #	72
31) Cyclohexane	7.707	56	9213	1.430	ug/l #	34
36) 1,1-Dichloropropene	7.707	75	27219	5.049	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31229	5.647	ug/l #	18
51) 4-Methyl-2-Pentanone	9.920	43	5522	2.133	ug/l #	37
55) 1,1,2-Trichloroethane	10.542	97	4263	1.579	ug/l #	22
59) 2-Hexanone	10.731	43	8206	4.740	ug/l #	30
76) 1,2,3-Trichloropropane	12.401	75	98489	53.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	98489	129.170	ug/l #	11

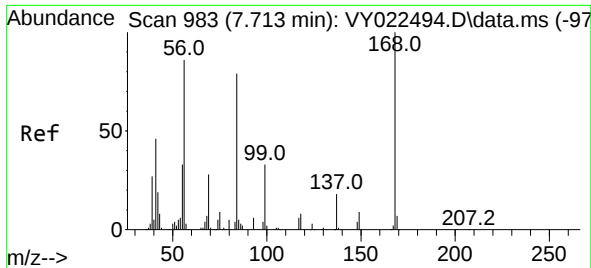
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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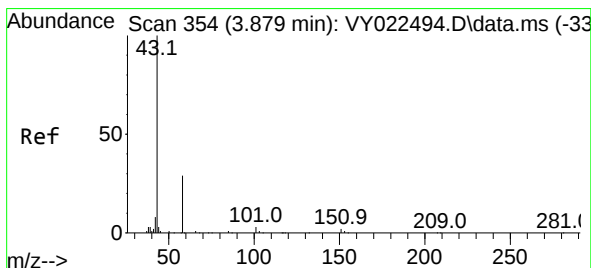
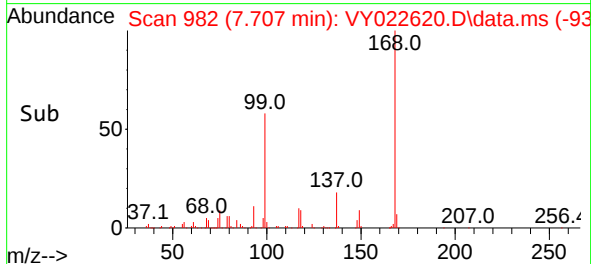
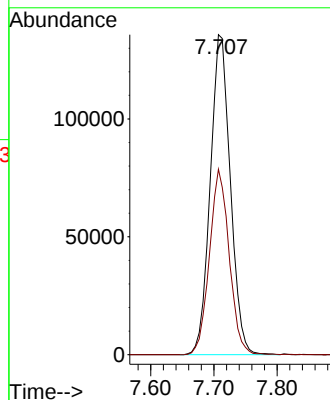
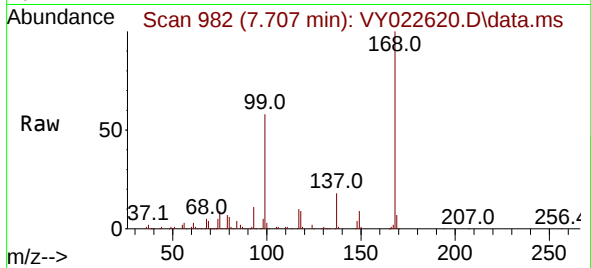




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

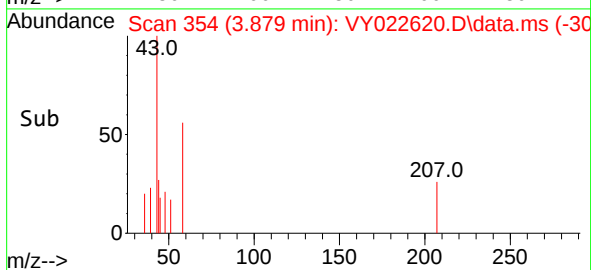
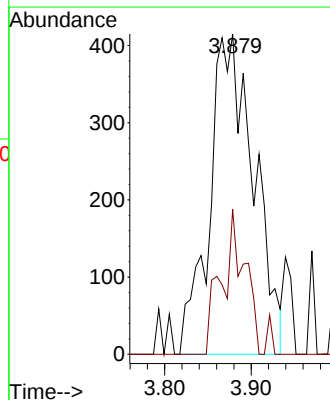
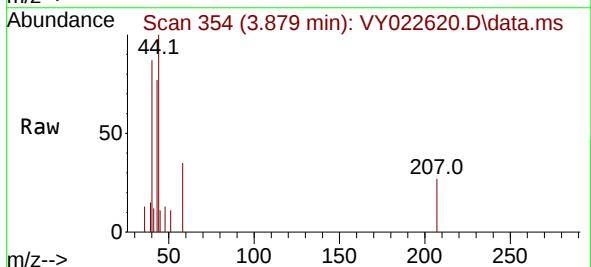
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MSVOA_Y
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TP-1-VOC

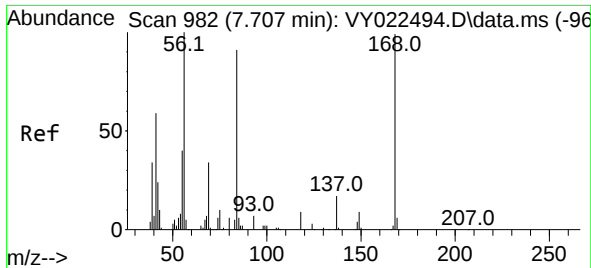
Tgt Ion:168 Resp: 299872
Ion Ratio Lower Upper
168 100
99 57.9 44.3 66.5



#16
Acetone
Concen: 2.157 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
58 45.3 24.0 36.0#

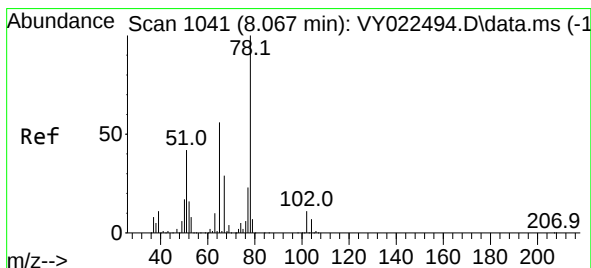
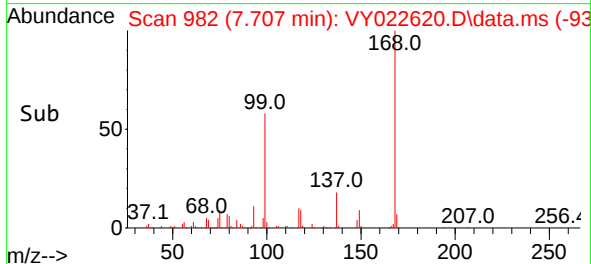
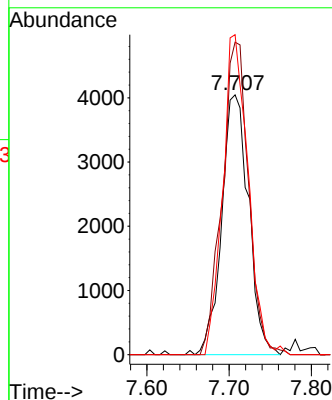
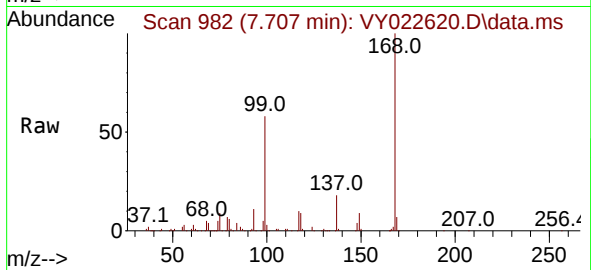




#31
Cyclohexane
Concen: 1.430 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

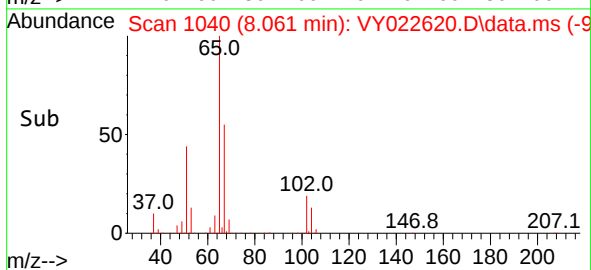
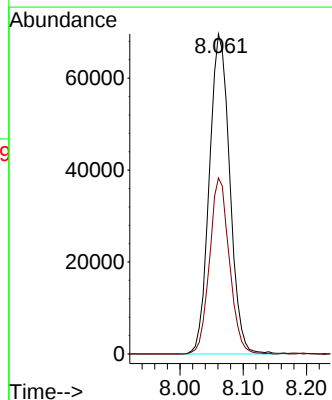
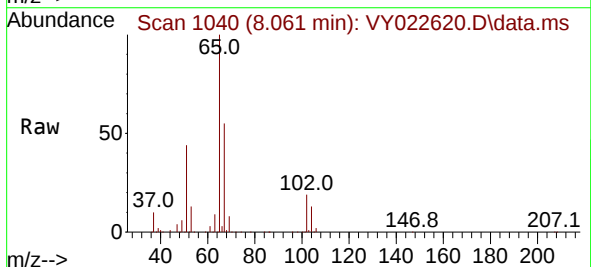
Instrument :
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ClientSampleId :
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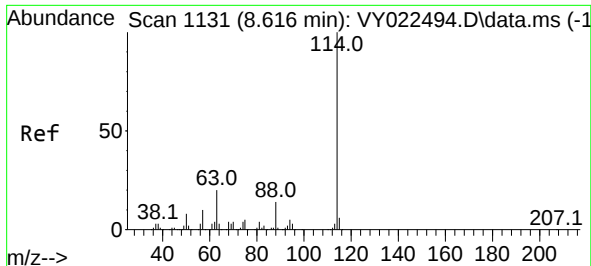
Tgt Ion: 56 Resp: 9213
Ion Ratio Lower Upper
56 100
69 120.3 27.0 40.6#
84 123.2 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 46.622 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion: 65 Resp: 156365
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

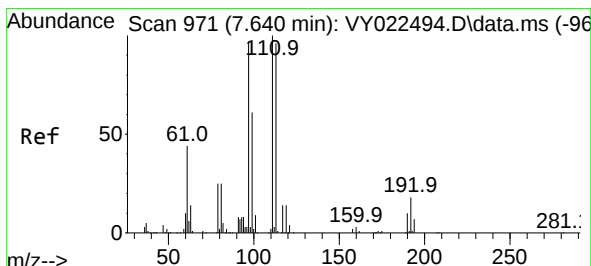
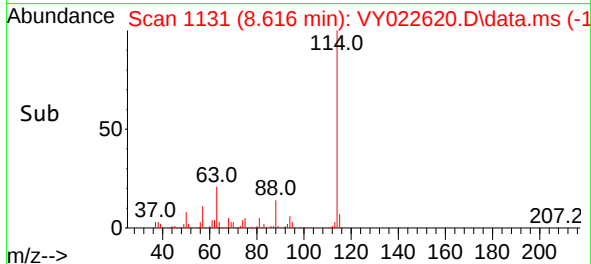
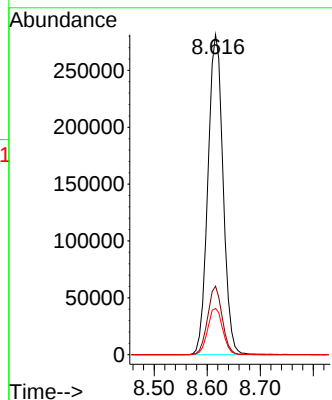
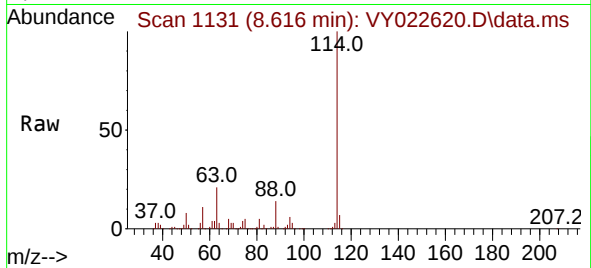




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

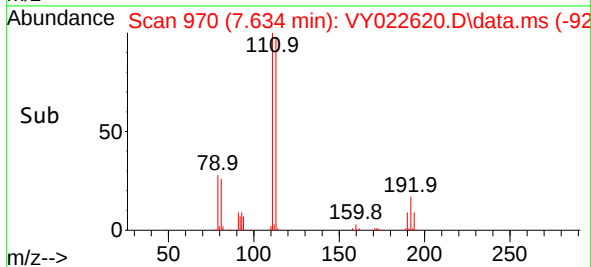
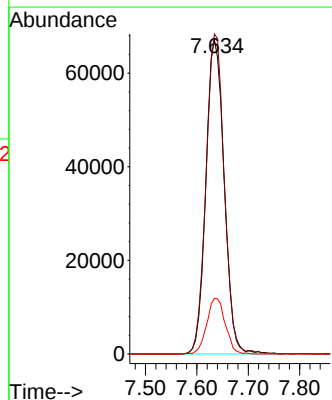
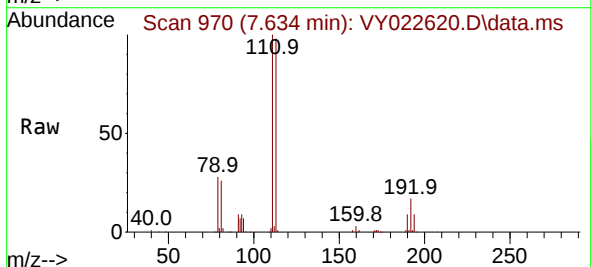
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

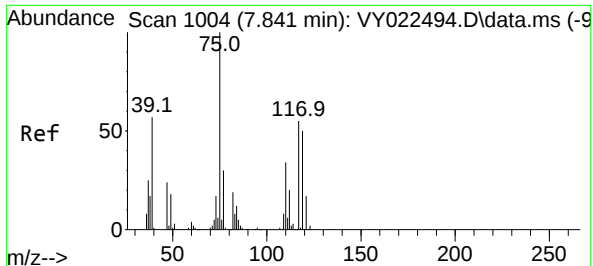
Tgt Ion:114 Resp: 556479
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.935 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion:113 Resp: 165860
Ion Ratio Lower Upper
113 100
111 101.0 81.1 121.7
192 17.9 14.2 21.2

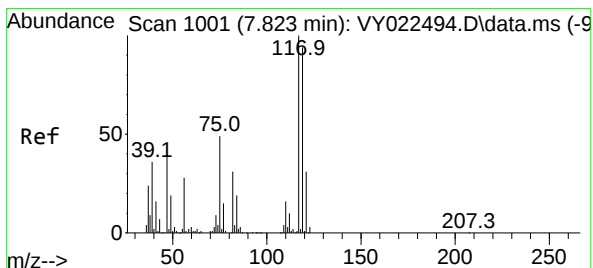
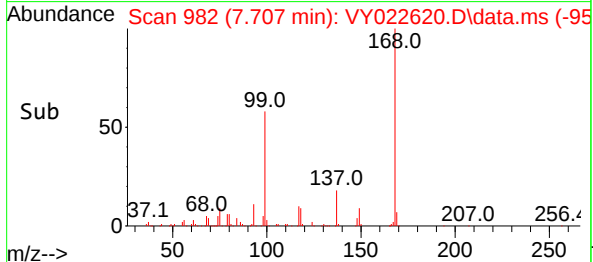
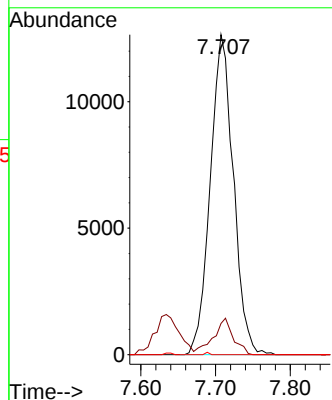
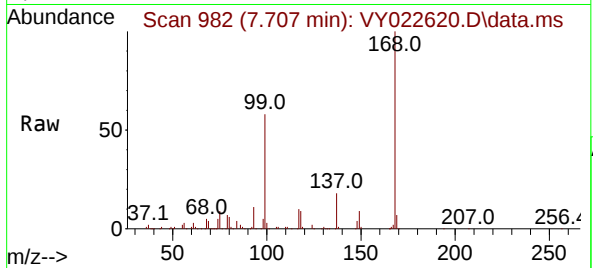




#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY022620.D
 Acq: 09 Jun 2025 11:16

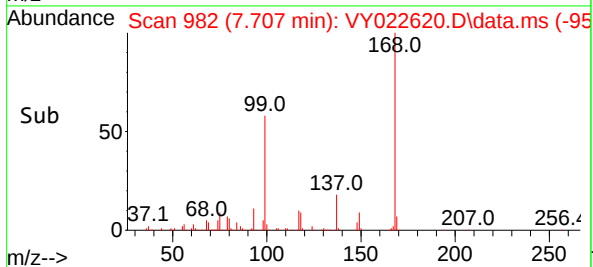
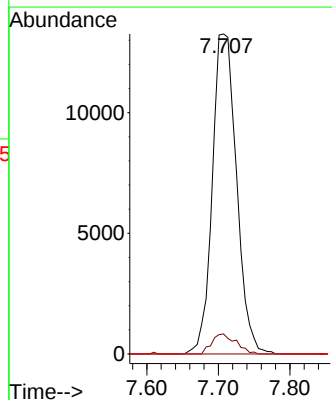
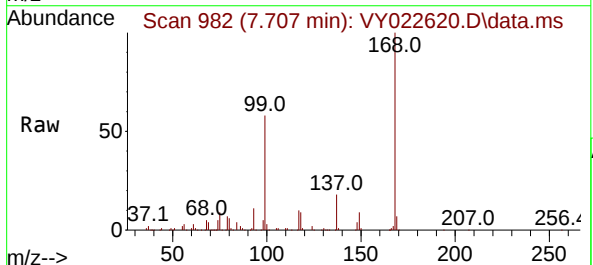
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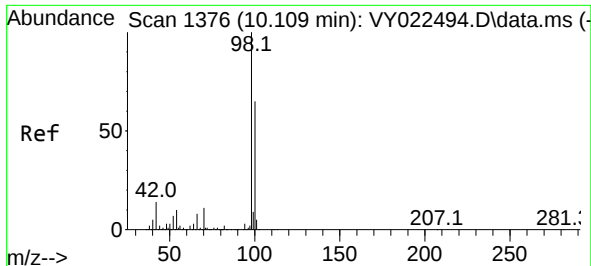
Tgt Ion: 75 Resp: 27219
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.647 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY022620.D
 Acq: 09 Jun 2025 11:16

Tgt Ion: 117 Resp: 31229
 Ion Ratio Lower Upper
 117 100
 119 6.2 75.0 112.6#
 121 0.0 25.0 37.4#

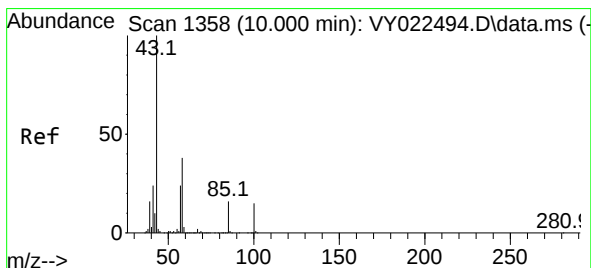
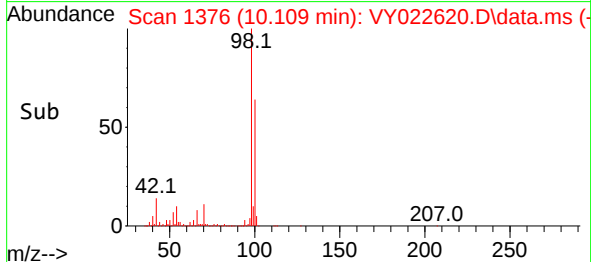
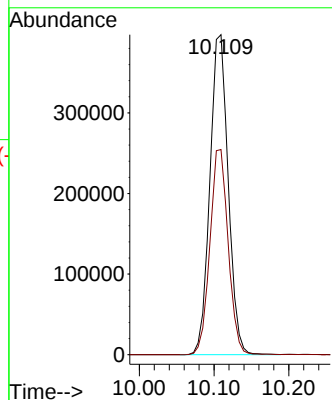
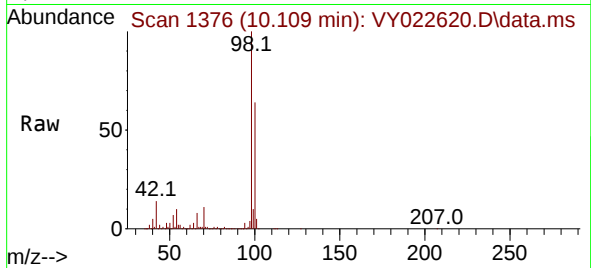




#50
Toluene-d8
Concen: 50.273 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

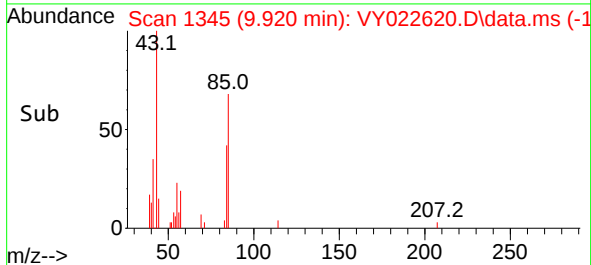
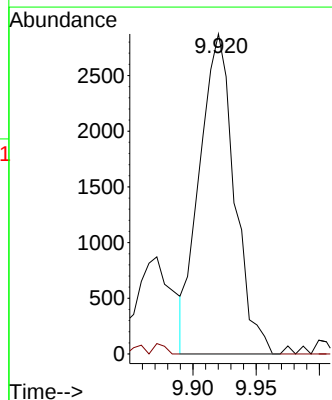
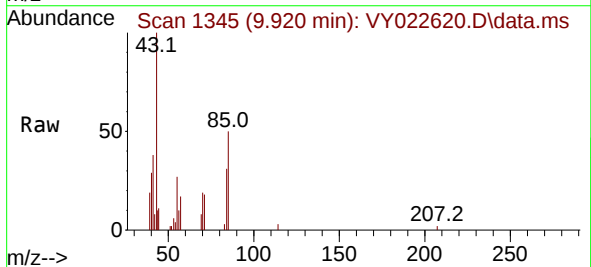
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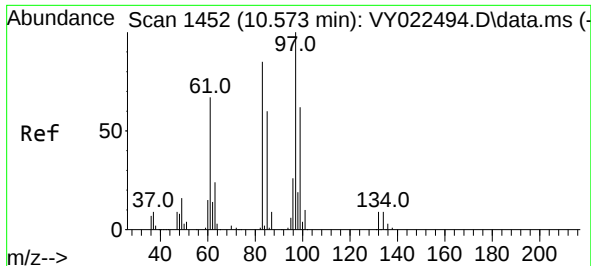
Tgt Ion: 98 Resp: 674717
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.133 ug/l
RT: 9.920 min Scan# 1345
Delta R.T. -0.079 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion: 43 Resp: 5522
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

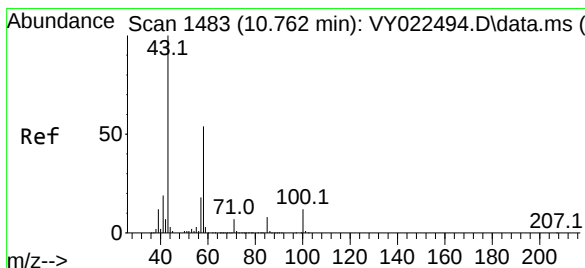
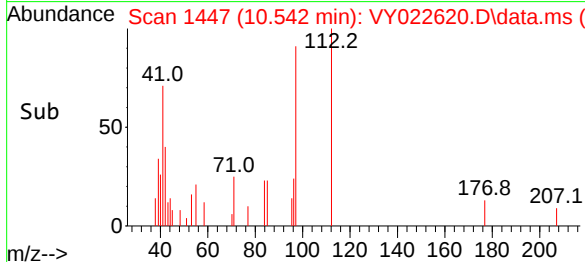
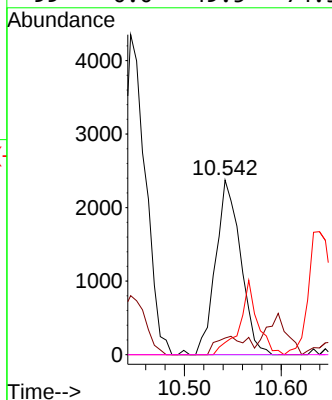
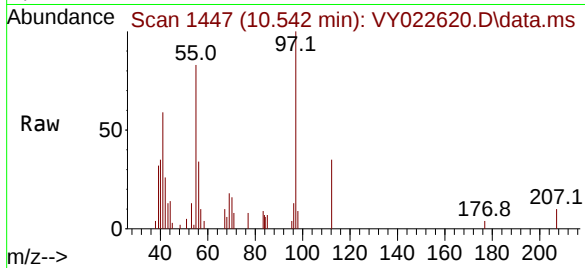




#55
1,1,2-Trichloroethane
Concen: 1.579 ug/l
RT: 10.542 min Scan# 1452
Delta R.T. -0.031 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

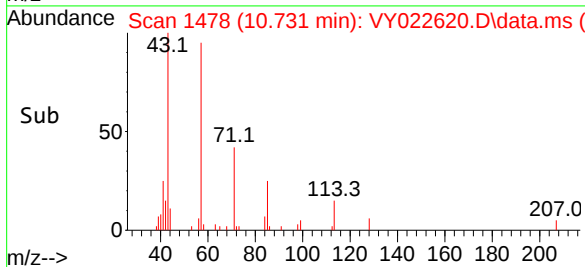
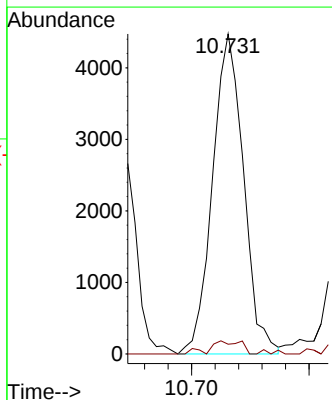
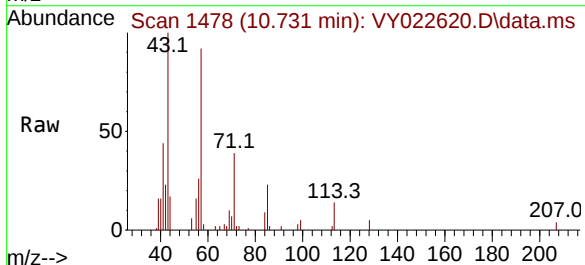
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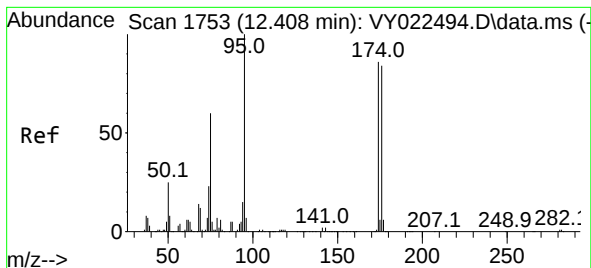
Tgt Ion: 97 Resp: 4263
Ion Ratio Lower Upper
97 100
83 9.5 68.1 102.1#
85 7.0 48.2 72.2#
99 0.0 49.5 74.3#



#59
2-Hexanone
Concen: 4.740 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion: 43 Resp: 8206
Ion Ratio Lower Upper
43 100
58 4.1 27.3 81.8#

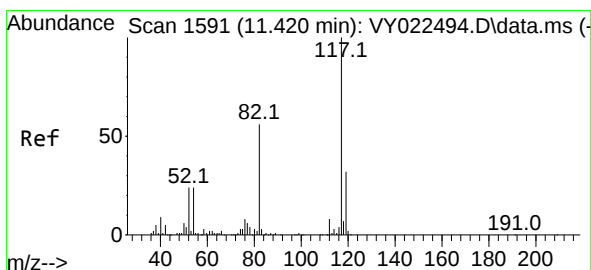
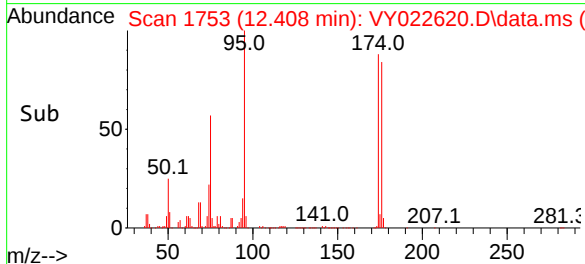
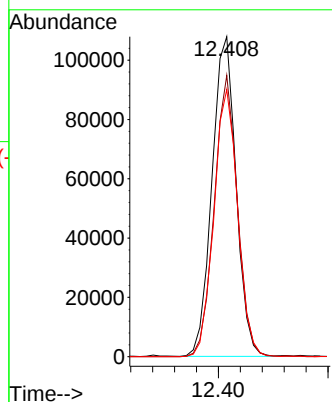
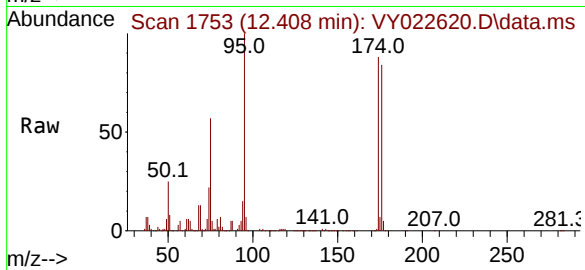




#62
4-Bromofluorobenzene
Concen: 41.027 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

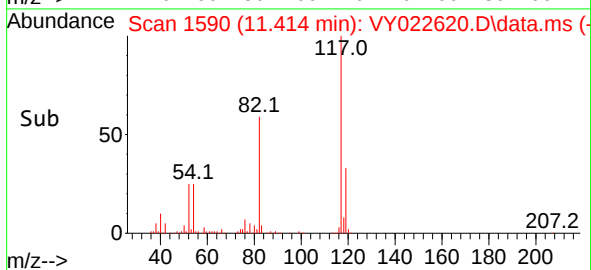
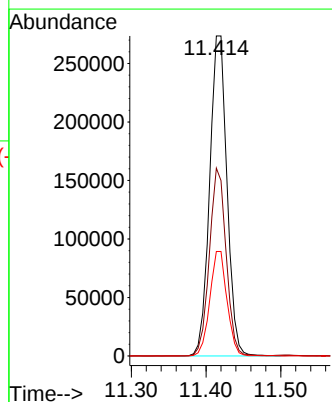
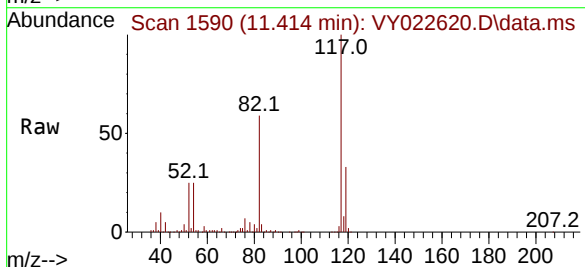
Instrument :
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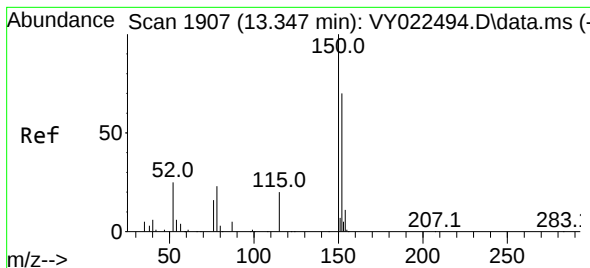
Tgt Ion: 95 Resp: 164058
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 82.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion: 117 Resp: 441579
Ion Ratio Lower Upper
117 100
82 58.7 44.6 66.8
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022620.D

Acq: 09 Jun 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

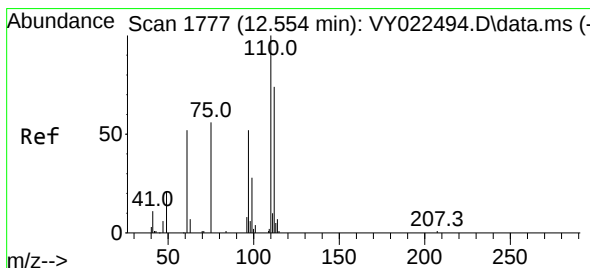
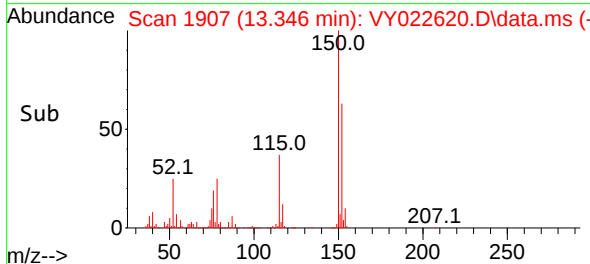
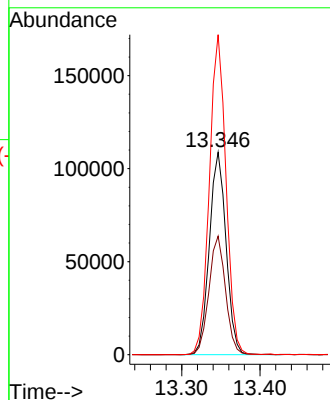
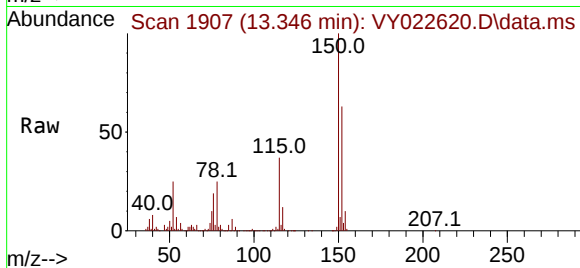
Tgt Ion:152 Resp: 160950

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 157.0 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.488 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022620.D

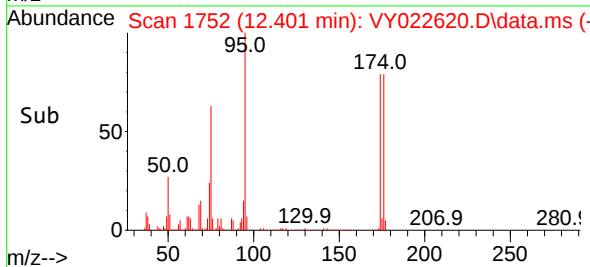
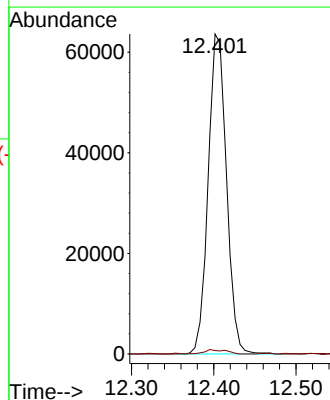
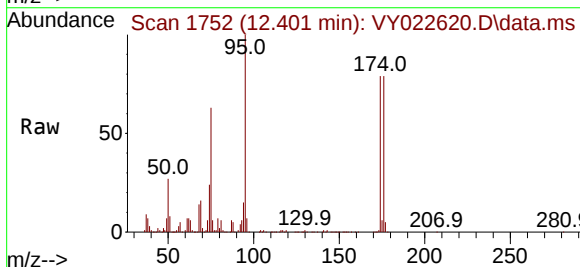
Acq: 09 Jun 2025 11:16

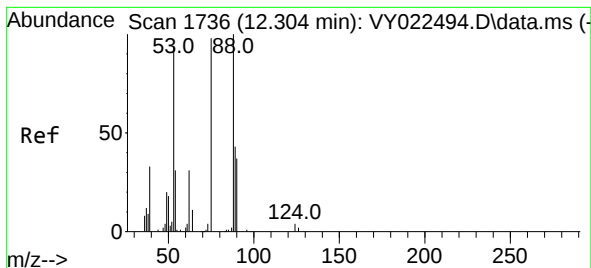
Tgt Ion: 75 Resp: 98489

Ion Ratio Lower Upper

75 100

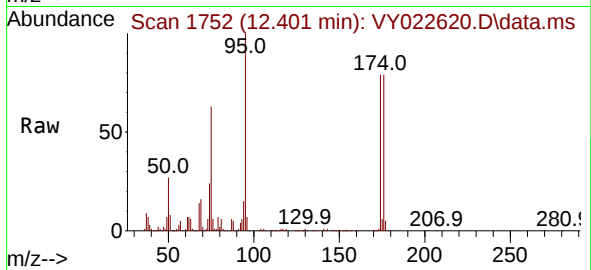
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.170 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022620.D
 Acq: 09 Jun 2025 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC



Tgt Ion: 75 Resp: 98489
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.5 117.7#
 89 0.1 35.7 53.5#

