

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022707.D
 Acq On : 16 Jun 2025 15:22
 Operator : SY/MD
 Sample : Q2325-03
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8-VOC

Quant Time: Jun 17 05:55:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

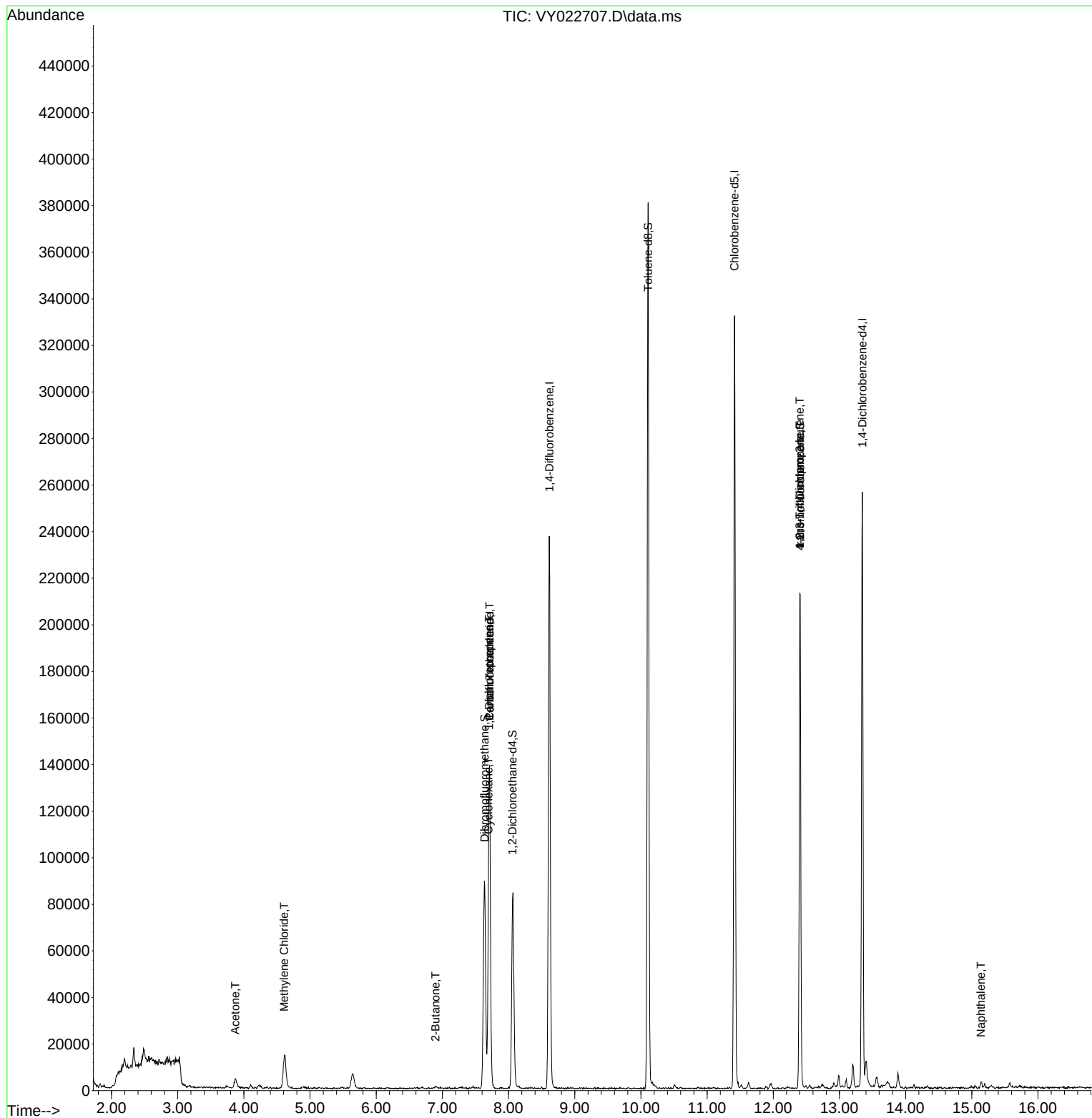
Internal Standards						
1) Pentafluorobenzene	7.713	168	103351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	195944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	161877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	59263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	62198	53.808	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.620%	
35) Dibromofluoromethane	7.640	113	61799	52.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.680%	
50) Toluene-d8	10.109	98	238236	50.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.407	95	59190	42.038	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	6731	28.673	ug/l	98
20) Methylene Chloride	4.610	84	10911	8.182	ug/l	91
25) 2-Butanone	6.896	43	1017	3.003	ug/l #	65
31) Cyclohexane	7.695	56	2980	1.342	ug/l #	72
36) 1,1-Dichloropropene	7.707	75	9772	5.148	ug/l #	50
38) Carbon Tetrachloride	7.713	117	10878	5.586	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	34834	51.378	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	34834	124.075	ug/l #	10
95) Naphthalene	15.139	128	2263	1.224	ug/l #	93

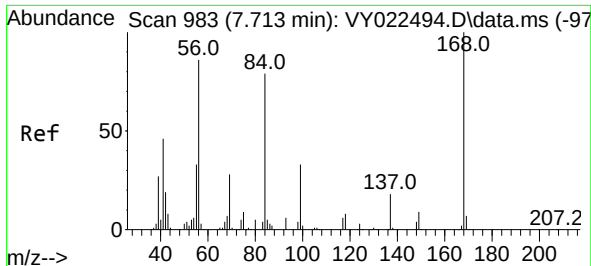
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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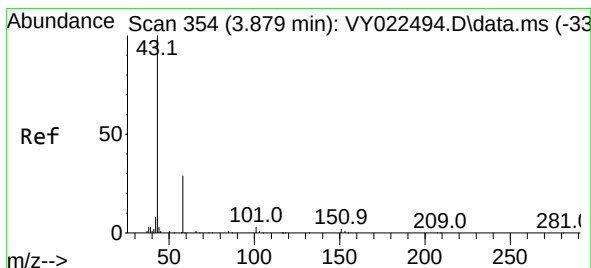
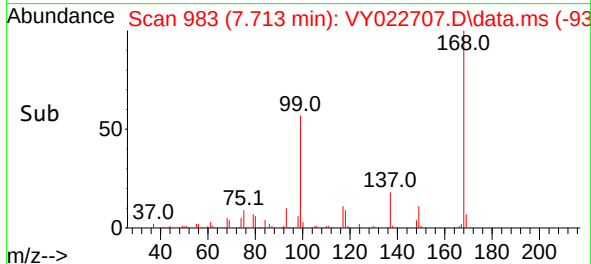
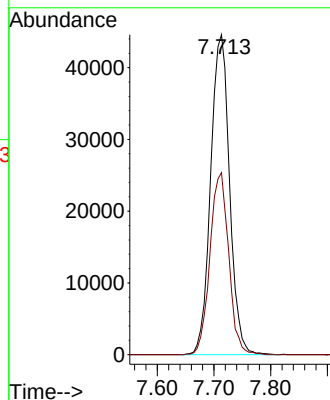
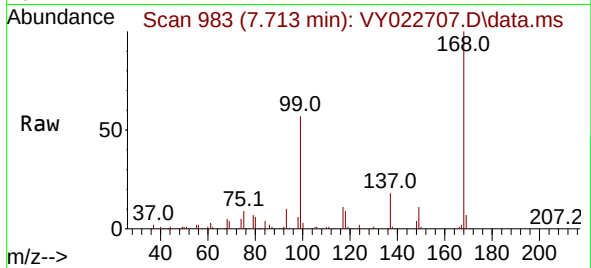




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

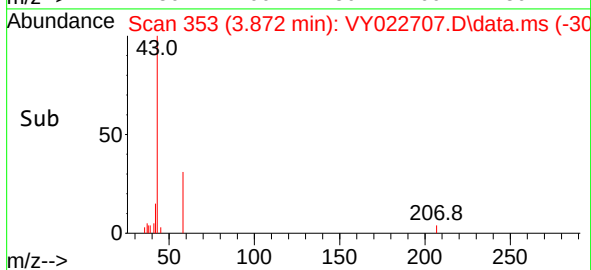
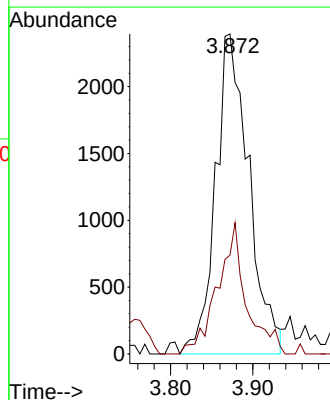
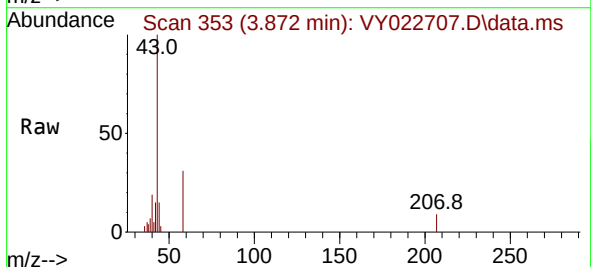
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

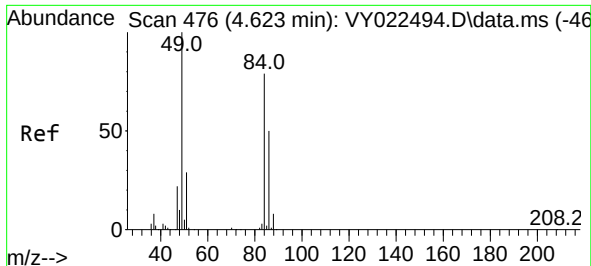
Tgt Ion:168 Resp: 103351
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#16
Acetone
Concen: 28.673 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

Tgt Ion: 43 Resp: 6731
Ion Ratio Lower Upper
43 100
58 30.9 24.0 36.0

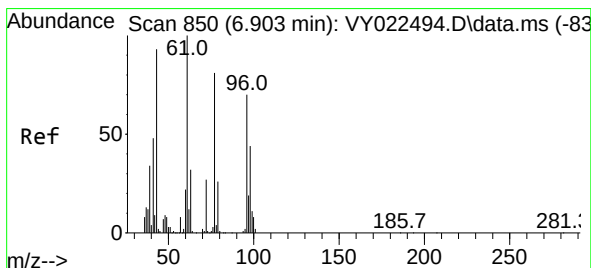
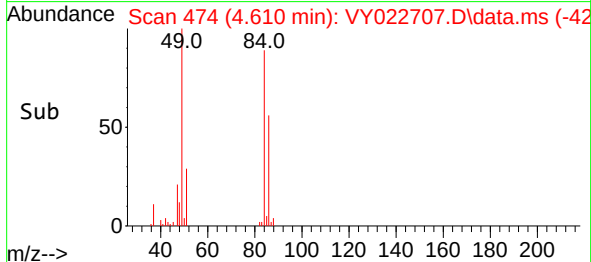
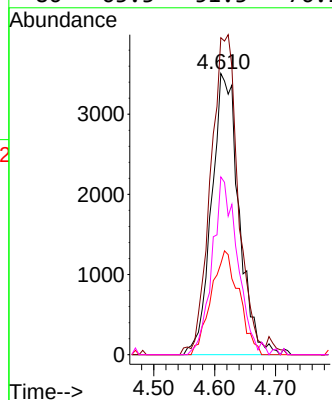
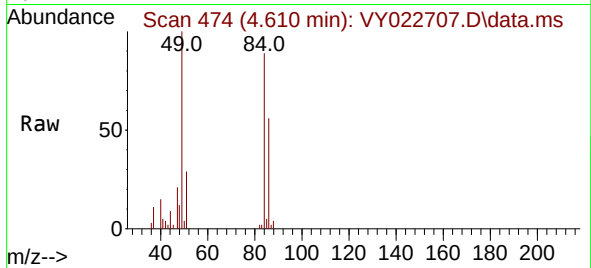




#20
Methylene Chloride
Concen: 8.182 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

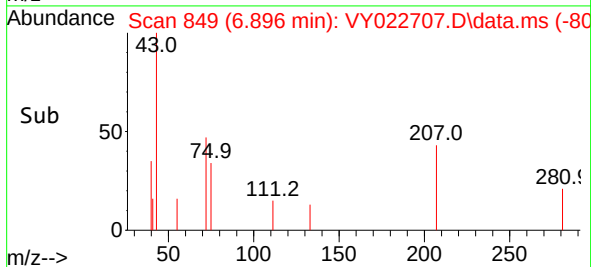
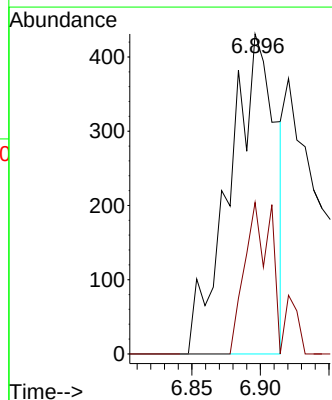
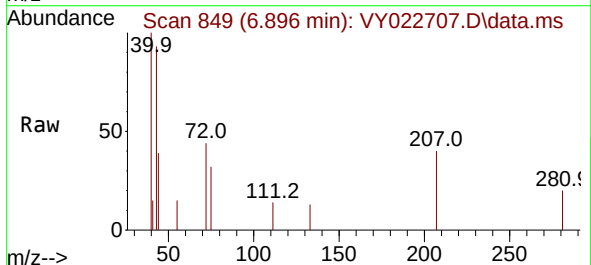
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

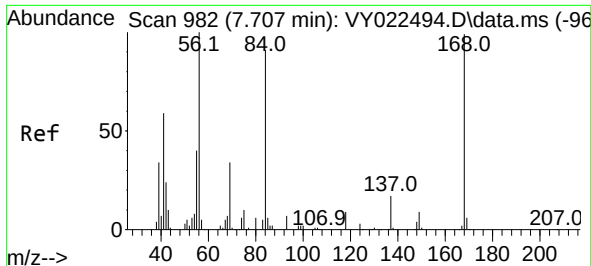
Tgt Ion:	84	Resp:	10911
Ion	Ratio	Lower	Upper
84	100		
49	112.8	101.9	152.9
51	32.4	29.8	44.8
86	63.3	51.3	76.9



#25
2-Butanone
Concen: 3.003 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

Tgt Ion:	43	Resp:	1017
Ion	Ratio	Lower	Upper
43	100		
72	47.3	22.9	34.3#

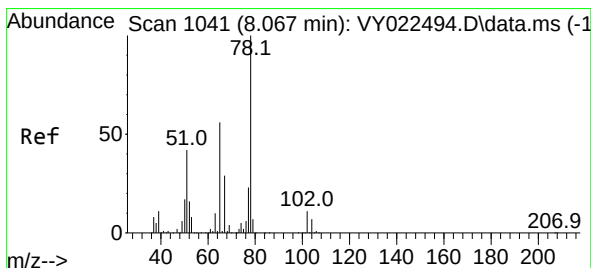
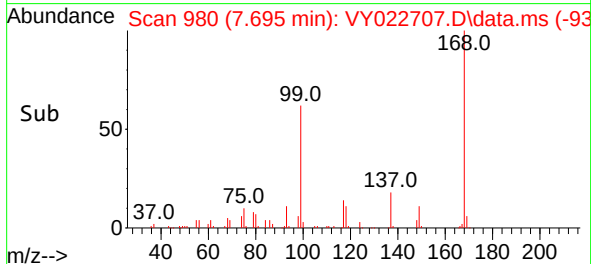
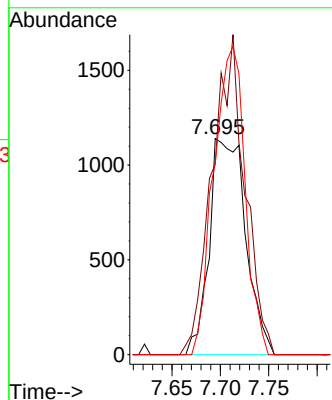
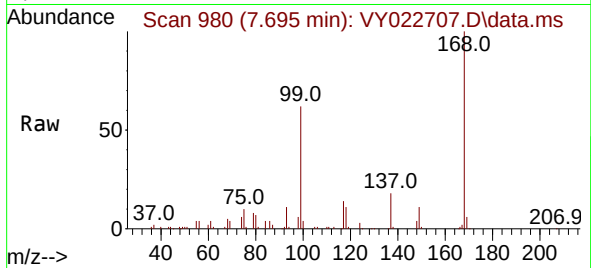




#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.013 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

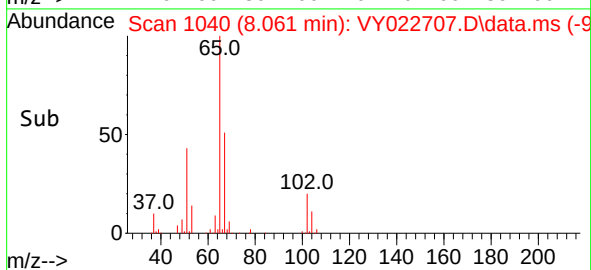
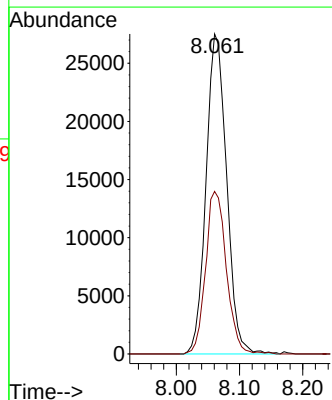
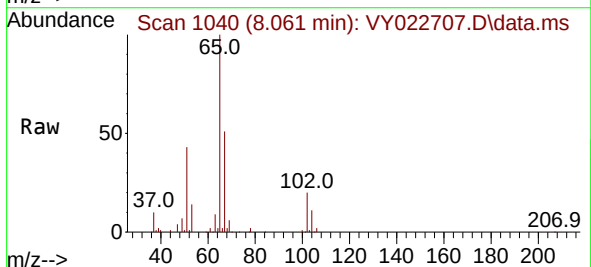
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

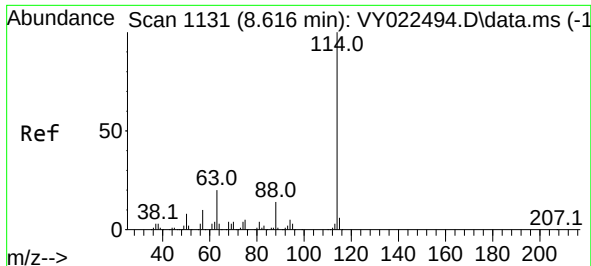
Tgt Ion: 56 Resp: 2980
Ion Ratio Lower Upper
56 100
69 88.2 27.0 40.6#
84 88.5 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 53.808 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

Tgt Ion: 65 Resp: 62198
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4

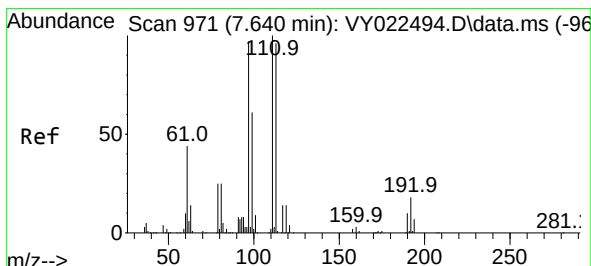
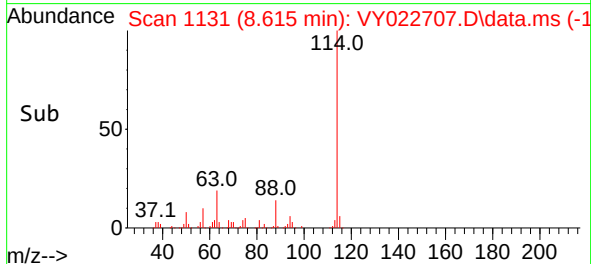
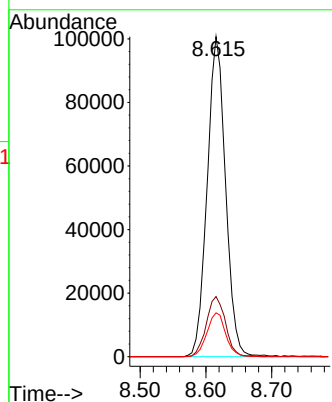
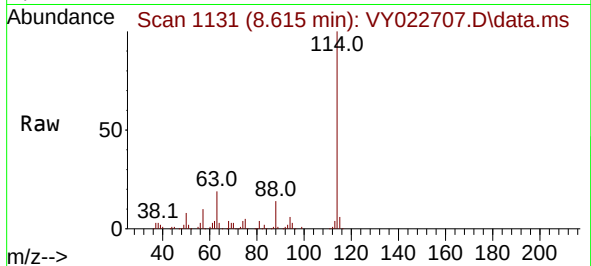




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

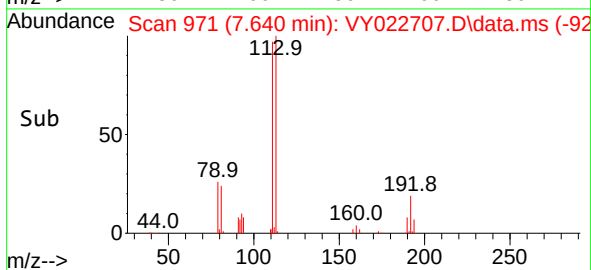
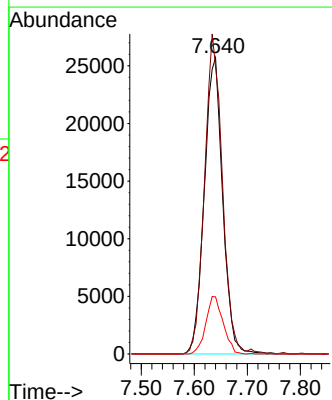
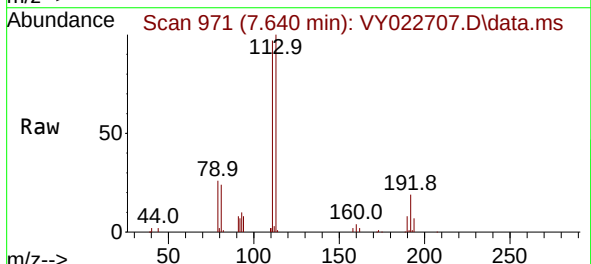
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

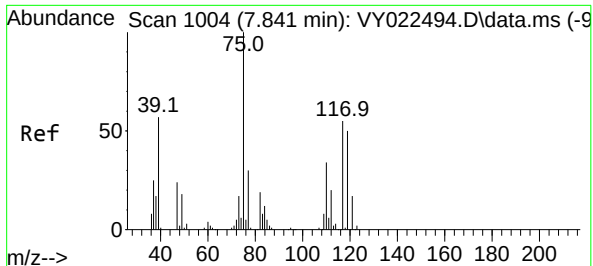
Tgt Ion:114 Resp: 195944
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.8
88 13.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.840 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

Tgt Ion:113 Resp: 61799
Ion Ratio Lower Upper
113 100
111 104.2 81.1 121.7
192 18.2 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.148 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.135 min

Lab File: VY022707.D

Acq: 16 Jun 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

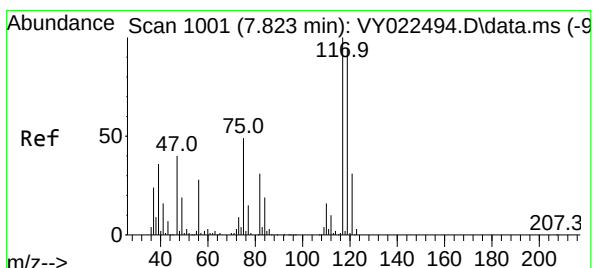
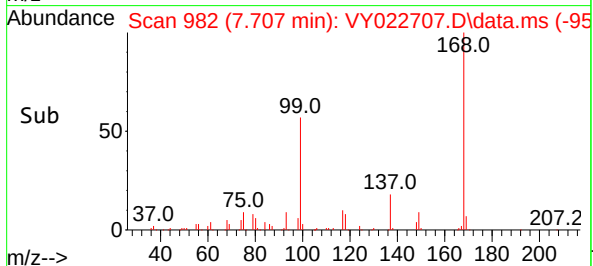
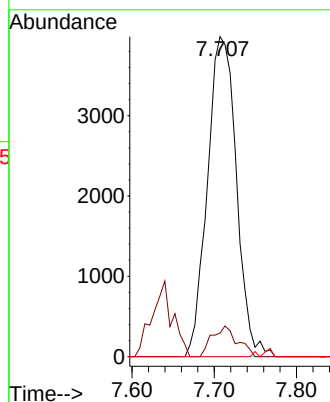
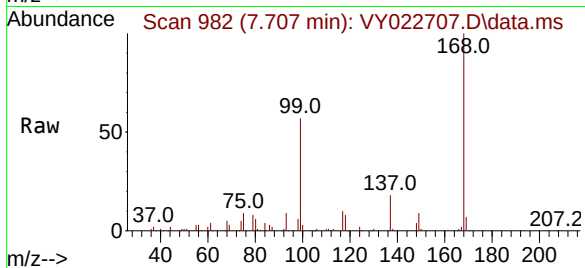
Tgt Ion: 75 Resp: 9772

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.586 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022707.D

Acq: 16 Jun 2025 15:22

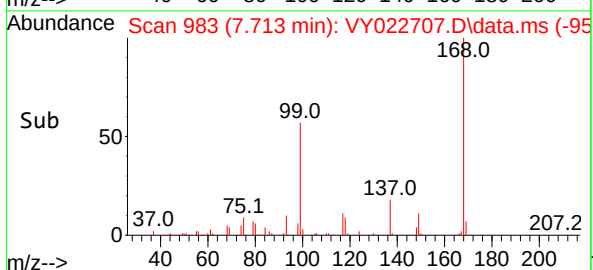
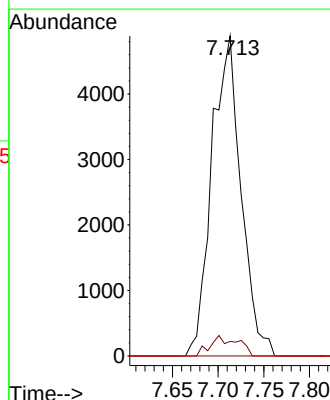
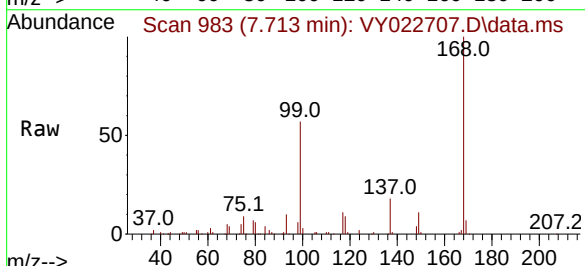
Tgt Ion: 117 Resp: 10878

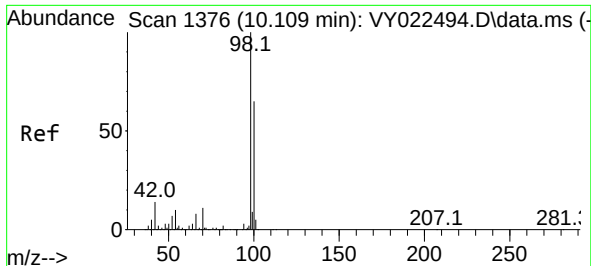
Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.6#

121 0.0 25.0 37.4#

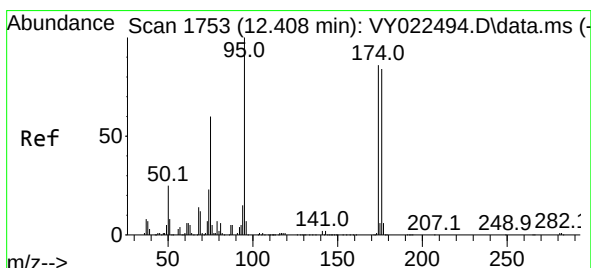
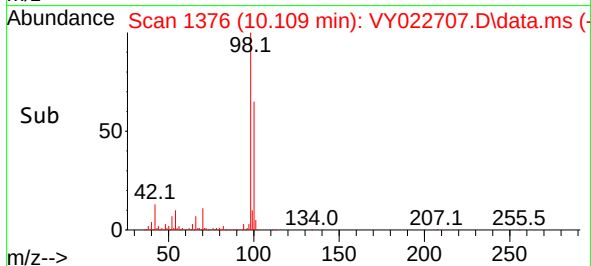
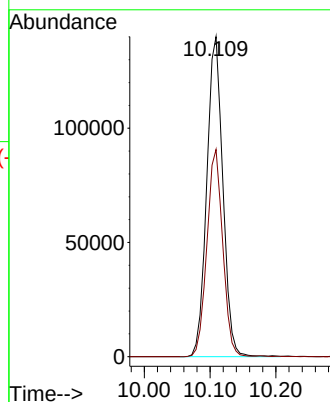
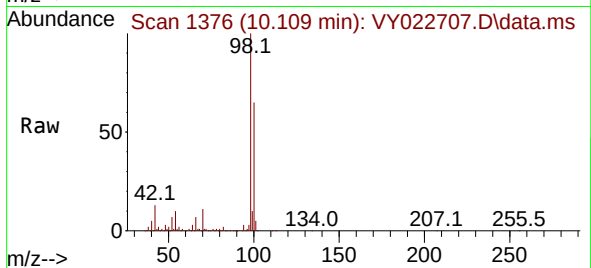




#50
Toluene-d8
Concen: 50.413 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

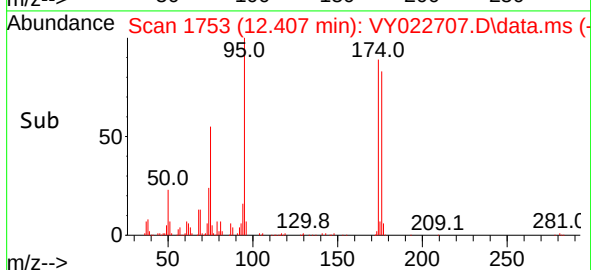
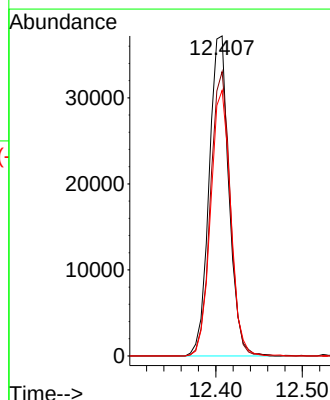
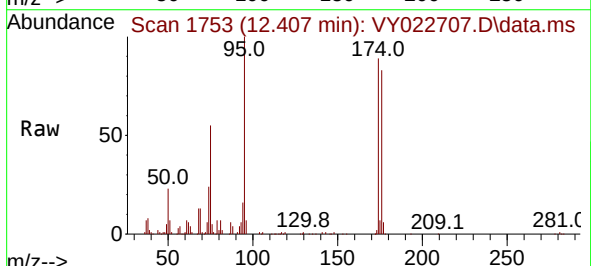
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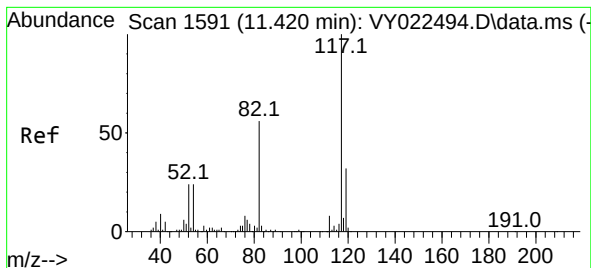
Tgt Ion: 98 Resp: 238236
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.038 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

Tgt Ion: 95 Resp: 59190
Ion Ratio Lower Upper
95 100
174 88.2 0.0 170.0
176 84.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022707.D

Acq: 16 Jun 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

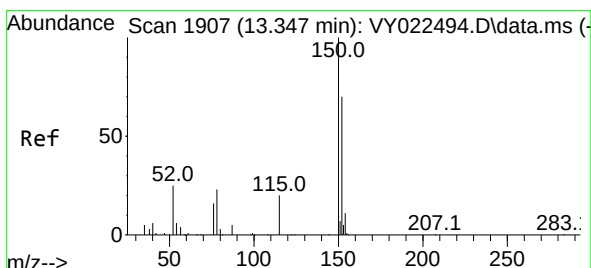
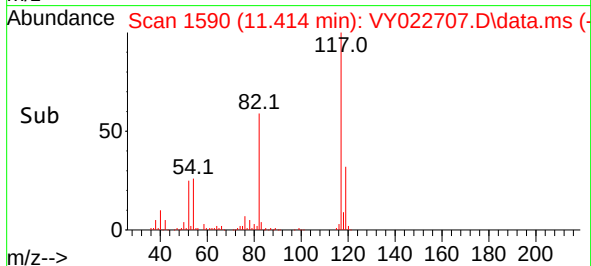
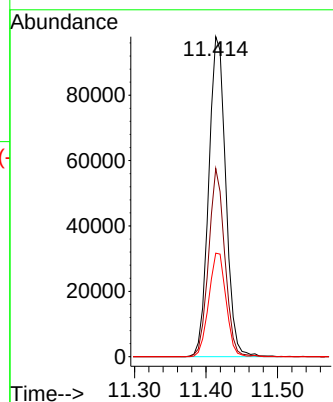
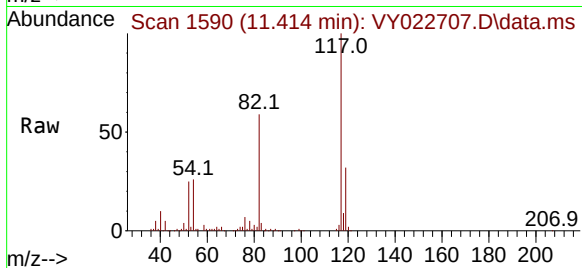
Tgt Ion:117 Resp: 161877

Ion Ratio Lower Upper

117 100

82 58.8 44.6 66.8

119 32.3 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: VY022707.D

Acq: 16 Jun 2025 15:22

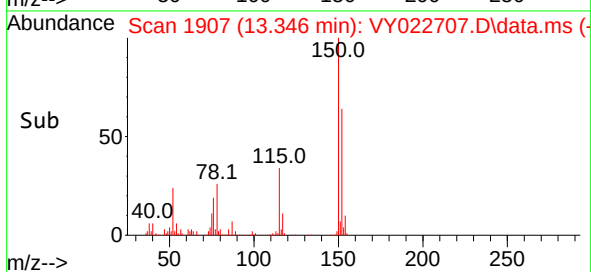
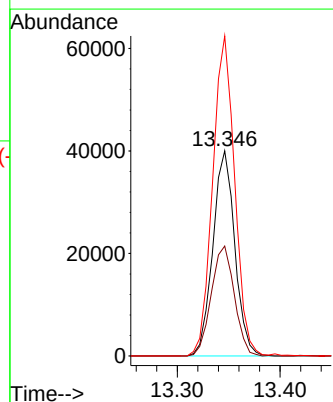
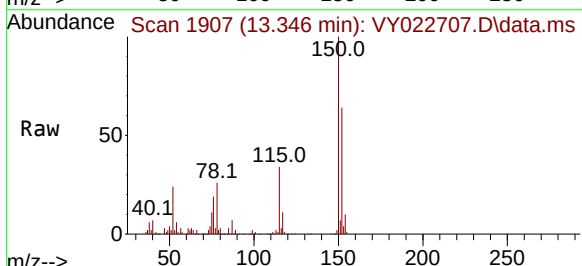
Tgt Ion:152 Resp: 59263

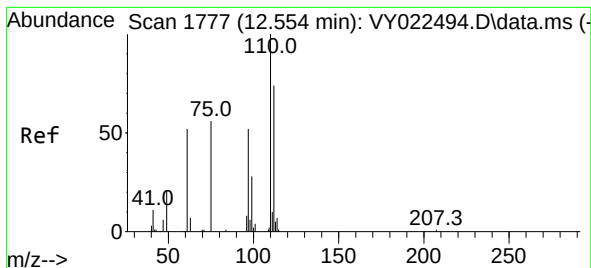
Ion Ratio Lower Upper

152 100

115 56.5 28.9 86.7

150 156.3 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 51.378 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022707.D

Acq: 16 Jun 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

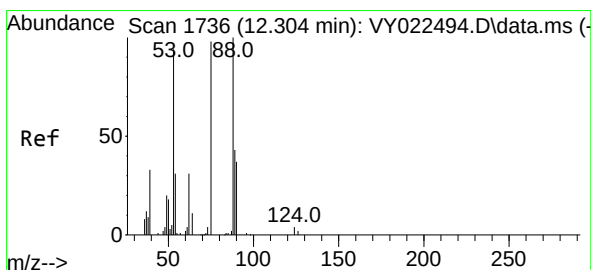
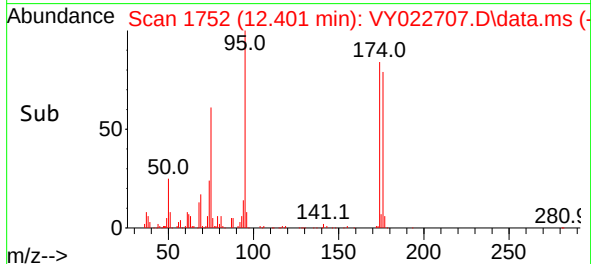
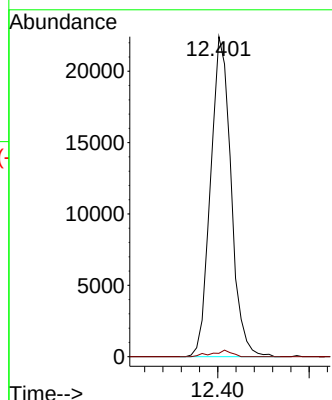
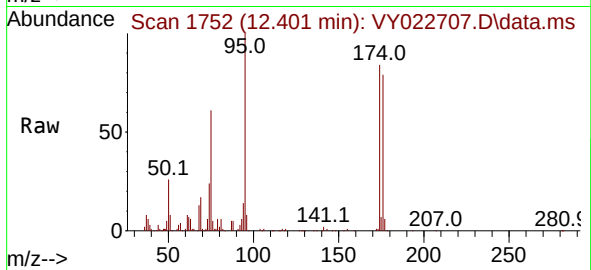
TP-8-VOC

Tgt Ion: 75 Resp: 34834

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.075 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022707.D

Acq: 16 Jun 2025 15:22

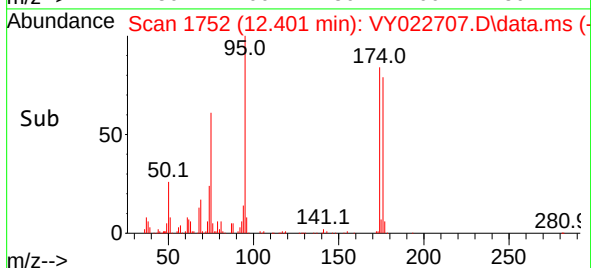
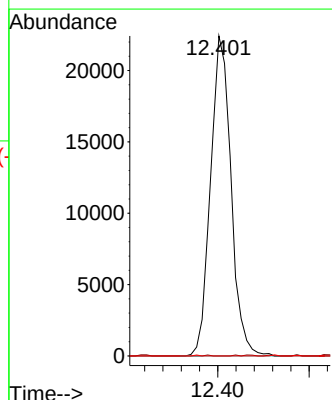
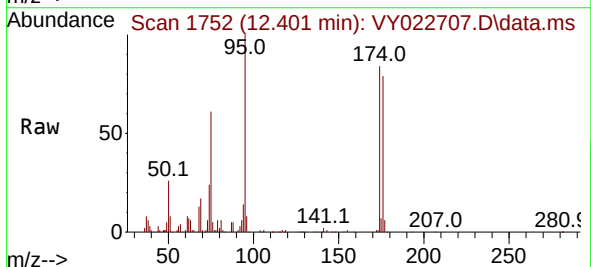
Tgt Ion: 75 Resp: 34834

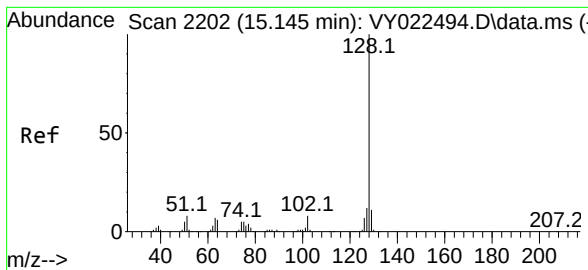
Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

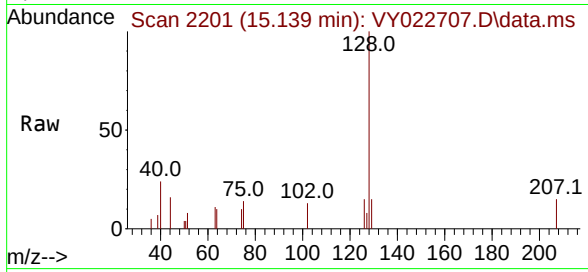
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 1.224 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022707.D
Acq: 16 Jun 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC



Tgt Ion:128 Resp: 2263

Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.4	15.6
129	15.5	8.9	13.3#

