

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022483.D
 Acq On : 30 May 2025 17:02
 Operator : SY/MD
 Sample : Q2173-14
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-400-CF-402B-VOC-25

Quant Time: May 31 02:30:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

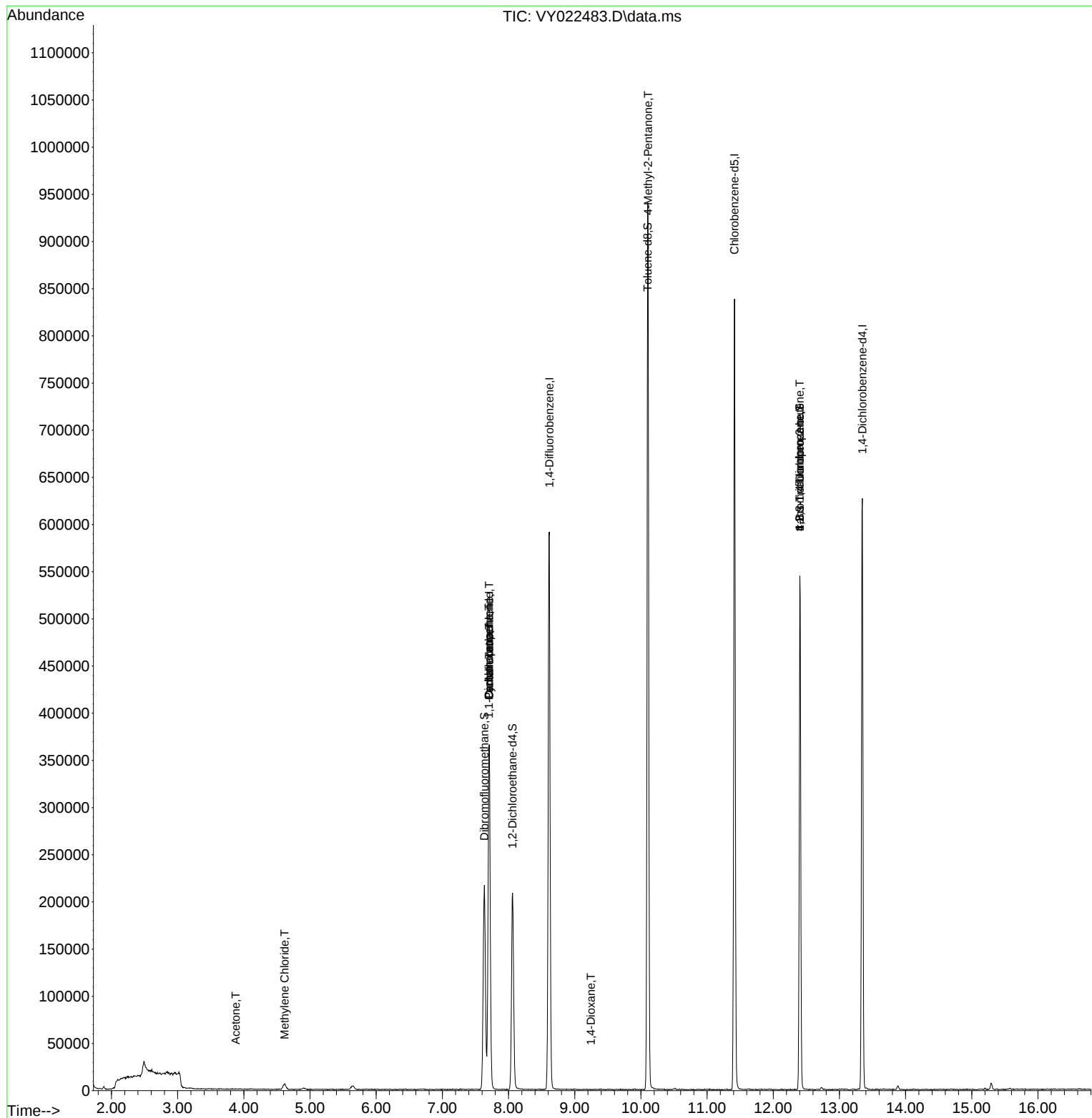
Internal Standards						
1) Pentafluorobenzene	7.707	168	270990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	493166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	396423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156254	54.742	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.480%			
35) Dibromofluoromethane	7.634	113	148102	51.280	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.560%			
50) Toluene-d8	10.103	98	591788	50.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.402	95	151727	42.604	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.200%			
Target Compounds					Qvalue	
16) Acetone	3.879	43	470	1.002	ug/l #	49
20) Methylene Chloride	4.616	84	4201	1.268	ug/l #	83
31) Cyclohexane	7.707	56	7514	1.369	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	24159	5.271	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28041	5.874	ug/l #	17
49) 1,4-Dioxane	9.244	88	26	1.315	ug/l #	23
51) 4-Methyl-2-Pentanone	10.109	43	3053	1.454	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	88855	60.945	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	88855	137.824	ug/l #	12

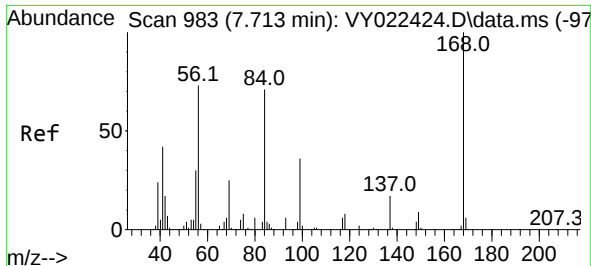
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
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Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
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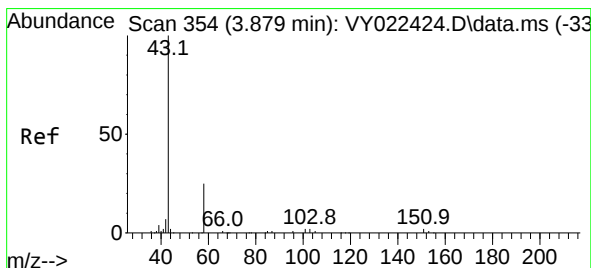
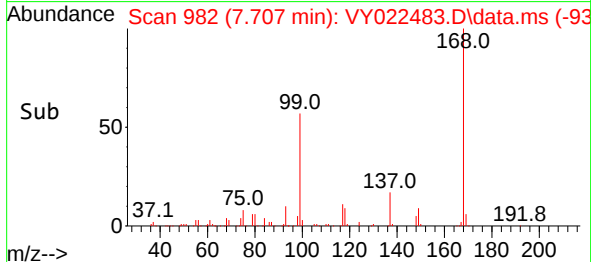
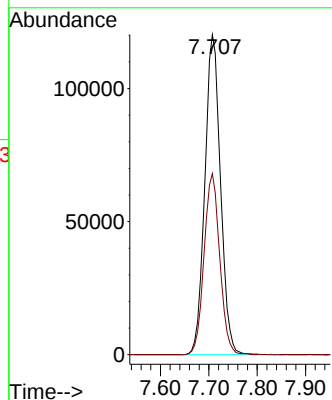
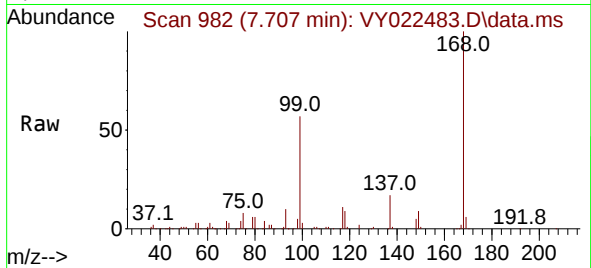




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

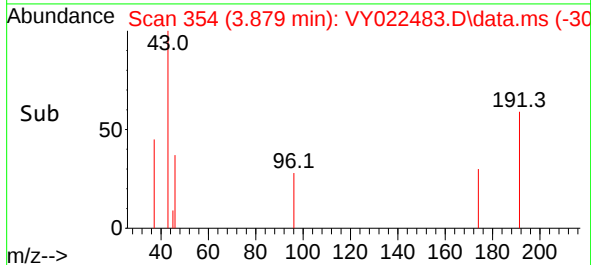
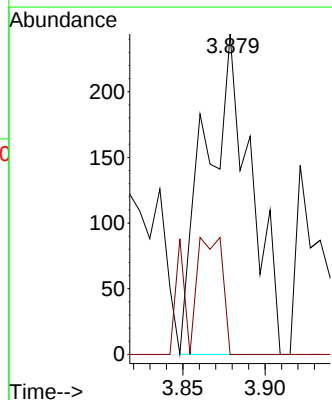
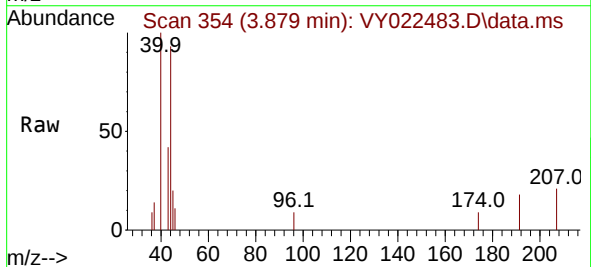
Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-25

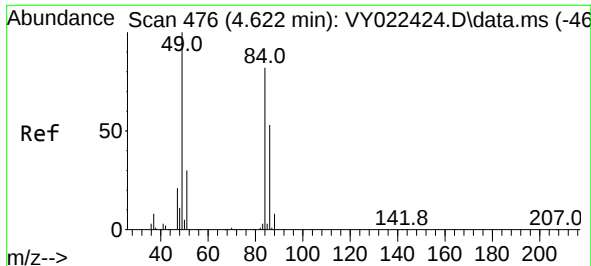
Tgt Ion:168 Resp: 270990
Ion Ratio Lower Upper
168 100
99 56.6 44.7 67.1



#16
Acetone
Concen: 1.002 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
58 0.0 20.6 30.8#

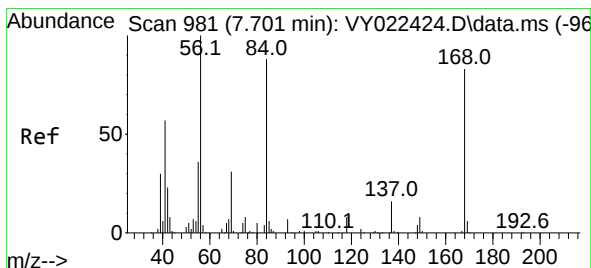
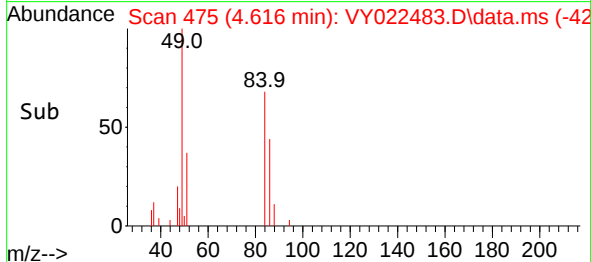
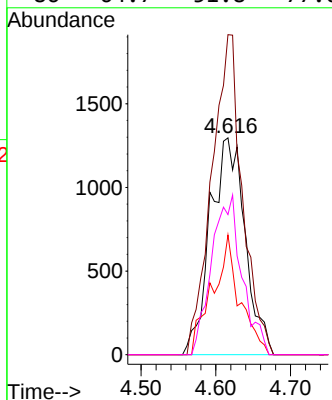
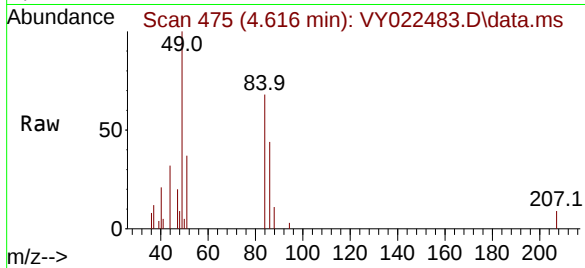




#20
Methylene Chloride
Concen: 1.268 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

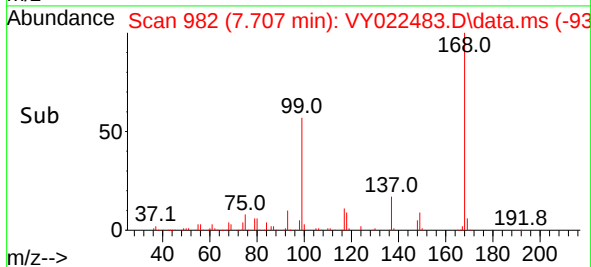
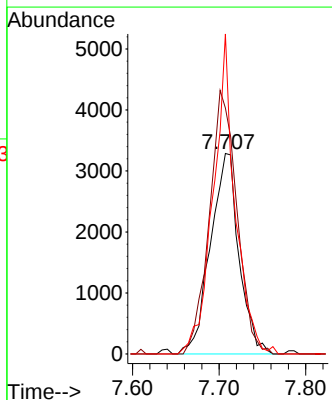
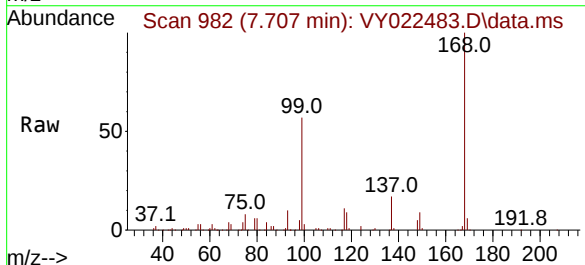
Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-25

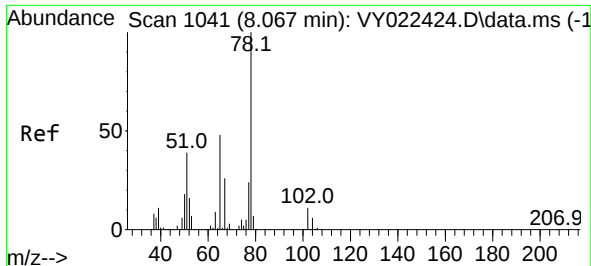
Tgt Ion:	84	Resp:	4201
Ion	Ratio	Lower	Upper
84	100		
49	147.6	97.8	146.8#
51	55.2	29.5	44.3#
86	64.7	51.8	77.6



#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

Tgt Ion:	56	Resp:	7514
Ion	Ratio	Lower	Upper
56	100		
69	122.7	24.6	36.8#
84	159.6	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 54.742 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.006 min

Lab File: VY022483.D

Acq: 30 May 2025 17:02

Instrument :

MSVOA_Y

ClientSampleId :

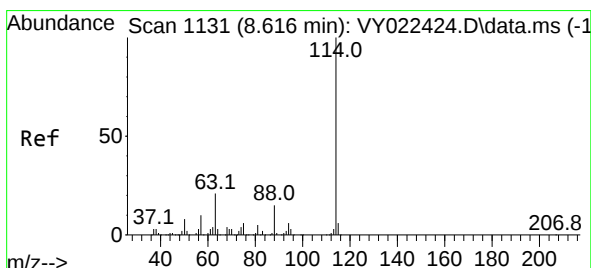
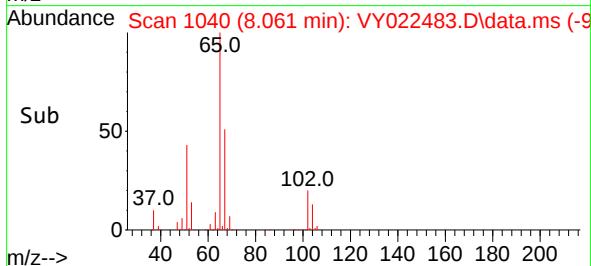
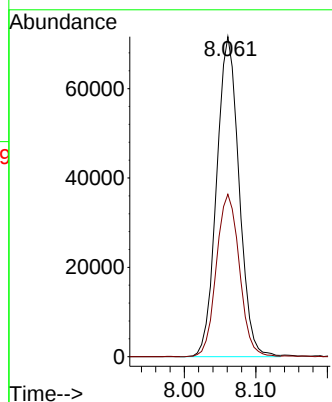
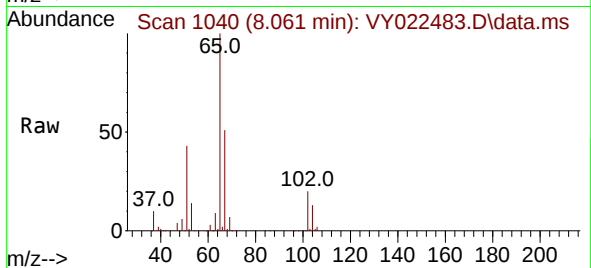
OR-400-CF-402B-VOC-25

Tgt Ion: 65 Resp: 156254

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022483.D

Acq: 30 May 2025 17:02

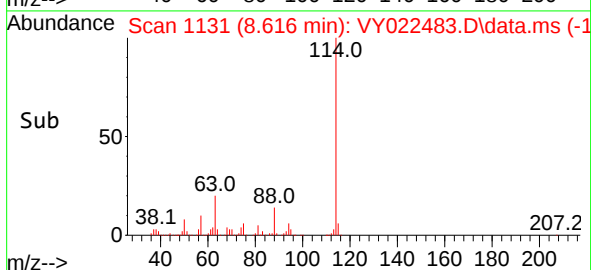
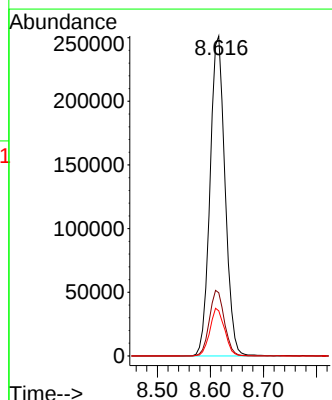
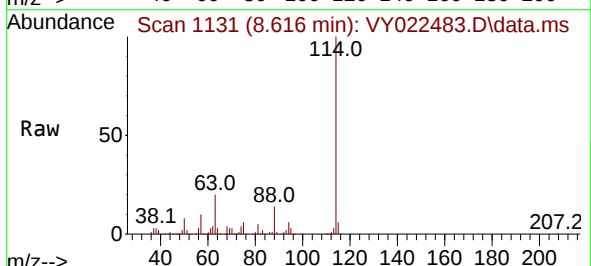
Tgt Ion: 114 Resp: 493166

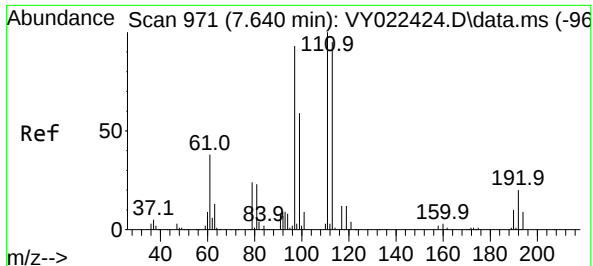
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

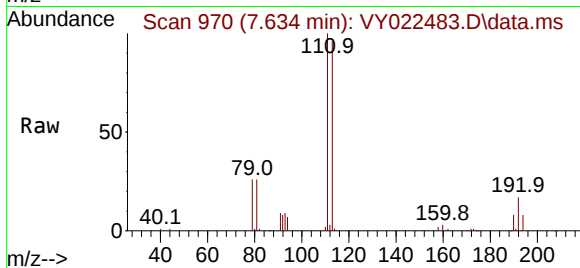
88 14.1 0.0 29.4



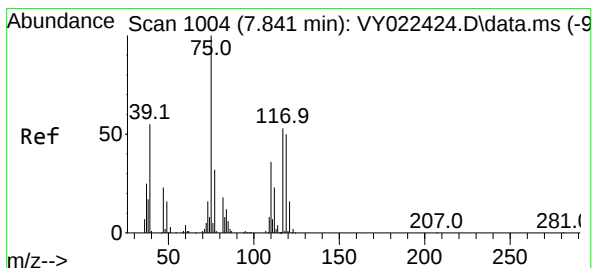
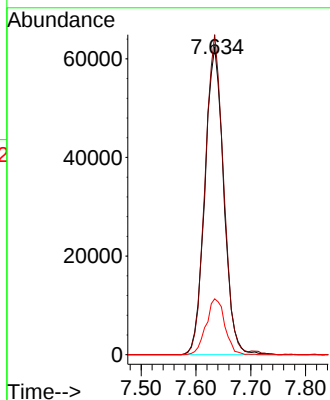
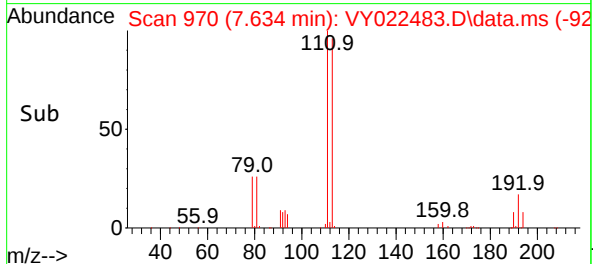


#35
Dibromofluoromethane
Concen: 51.280 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

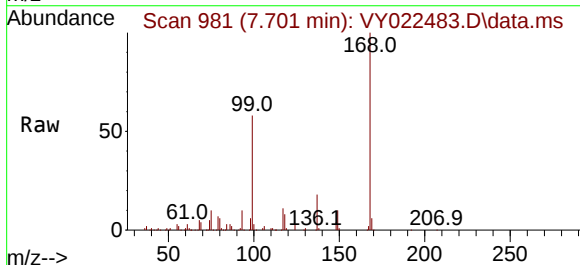
Instrument :
MSVOA_Y
ClientSampleId :
OR-400-CF-402B-VOC-25



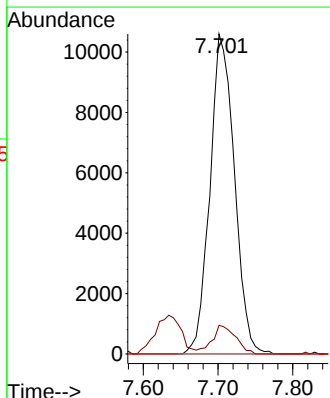
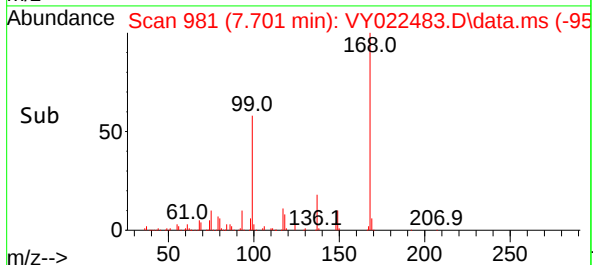
Tgt Ion:113 Resp: 148102
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 18.1 15.2 22.8

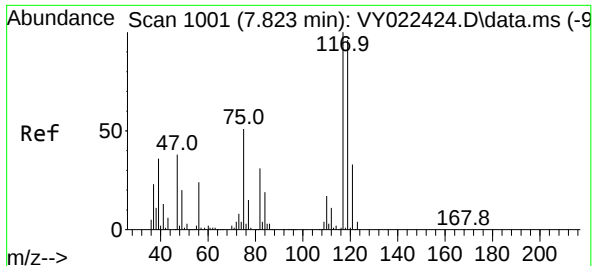


#36
1,1-Dichloropropene
Concen: 5.271 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02



Tgt Ion: 75 Resp: 24159
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 25.1 37.7#

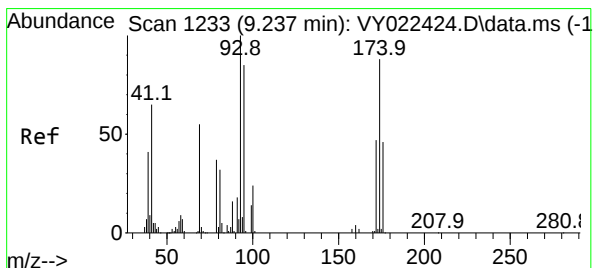
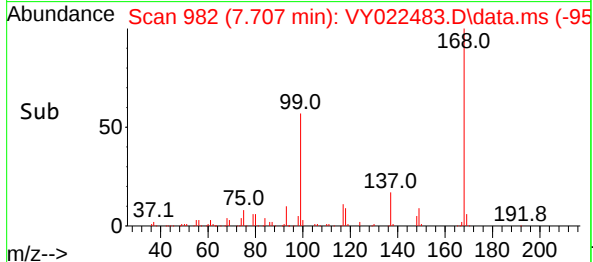
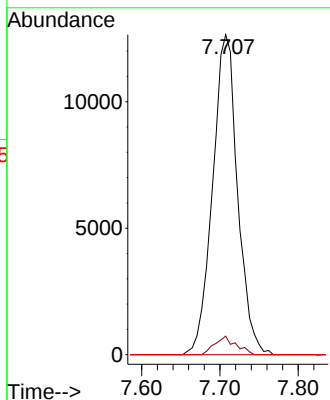
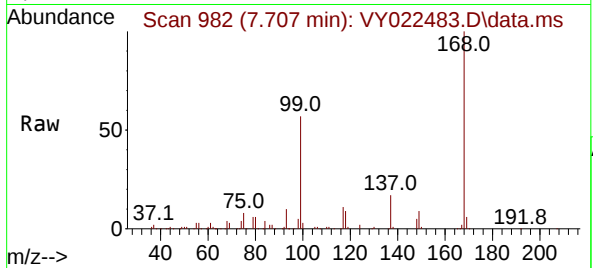




#38
Carbon Tetrachloride
Concen: 5.874 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

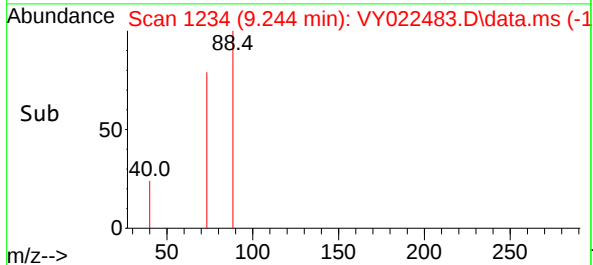
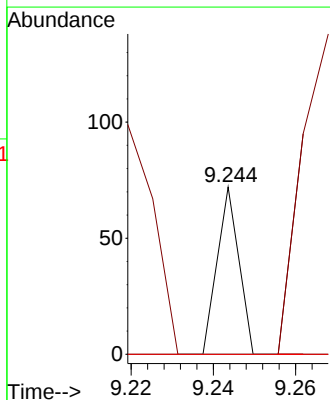
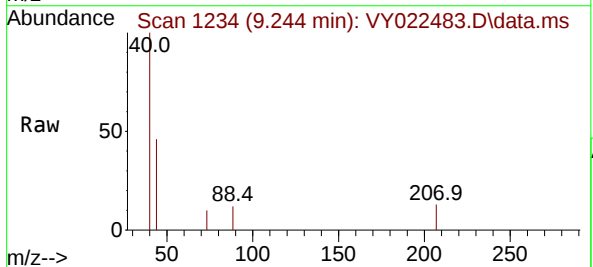
Instrument :
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ClientSampleId :
OR-400-CF-402B-VOC-25

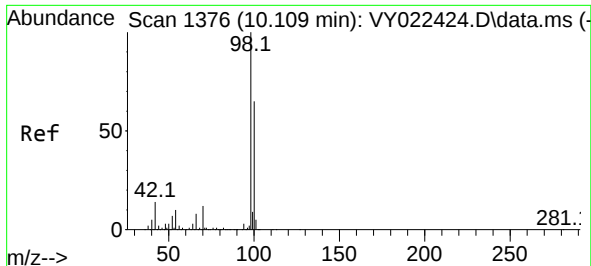
Tgt Ion:117 Resp: 28041
Ion Ratio Lower Upper
117 100
119 5.8 76.3 114.5#
121 0.0 26.1 39.1#



#49
1,4-Dioxane
Concen: 1.315 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 0.0 55.8 83.6#

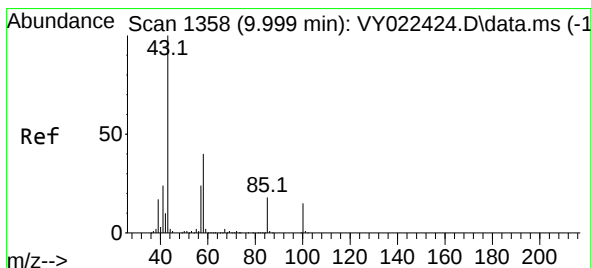
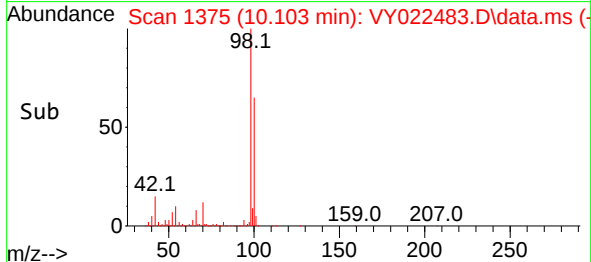
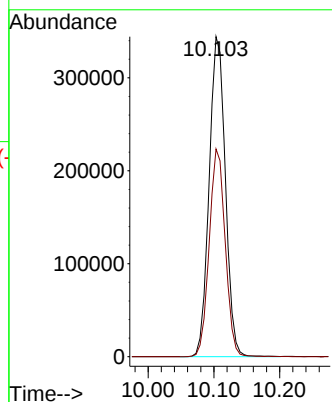
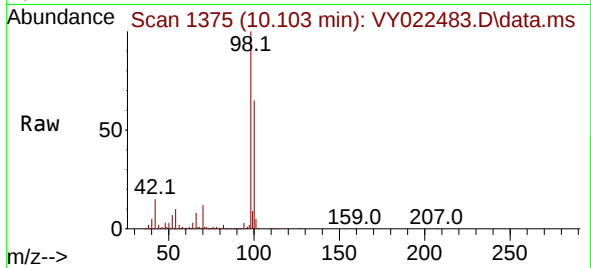




#50
Toluene-d8
Concen: 50.264 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

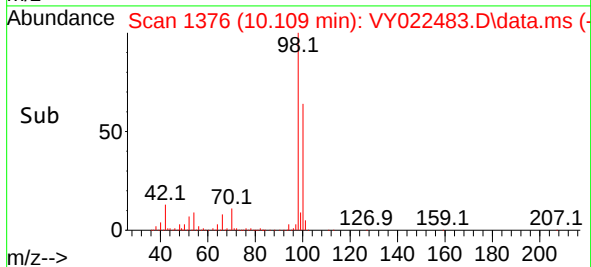
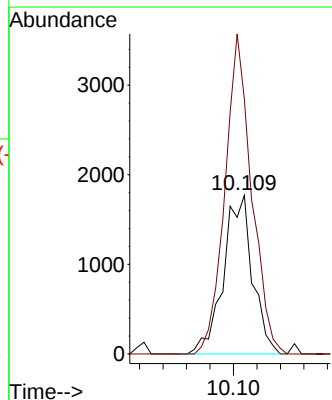
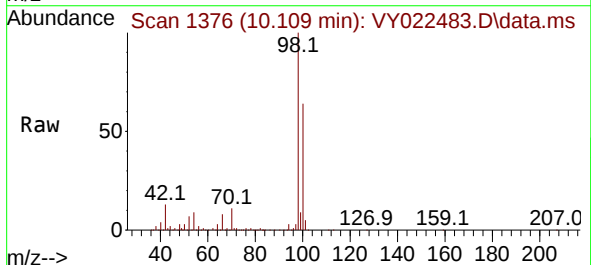
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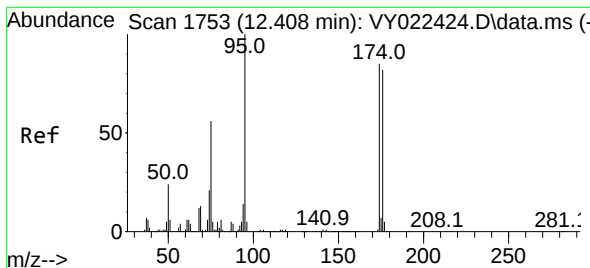
Tgt Ion: 98 Resp: 591788
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.454 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022483.D
Acq: 30 May 2025 17:02

Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
58 184.9 31.2 46.8#





#62

4-Bromofluorobenzene

Concen: 42.604 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022483.D

Acq: 30 May 2025 17:02

Instrument :

MSVOA_Y

ClientSampleId :

OR-400-CF-402B-VOC-25

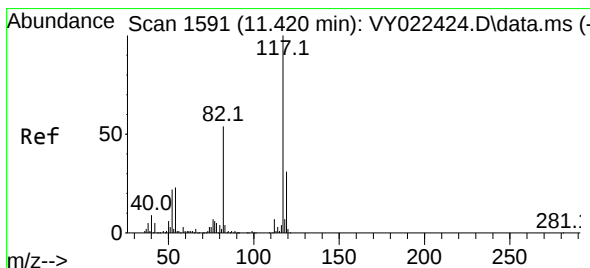
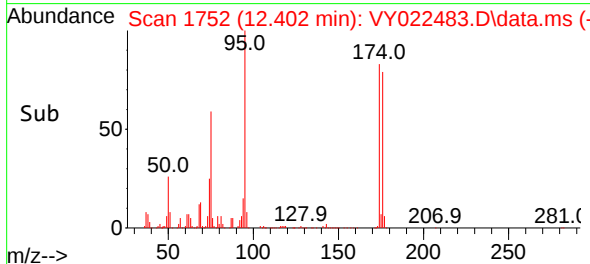
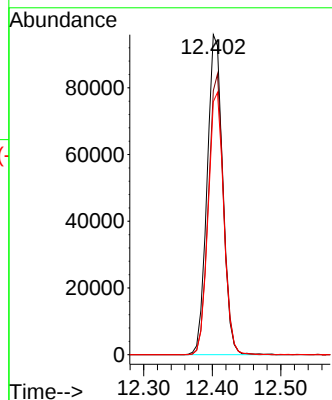
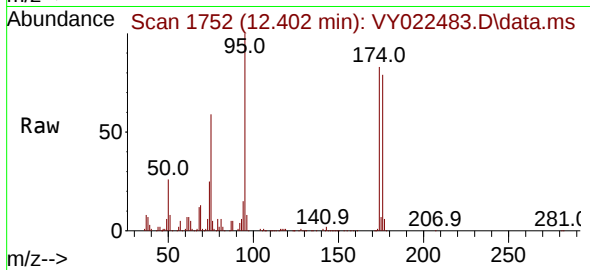
Tgt Ion: 95 Resp: 151727

Ion Ratio Lower Upper

95 100

174 86.1 0.0 171.6

176 81.8 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022483.D

Acq: 30 May 2025 17:02

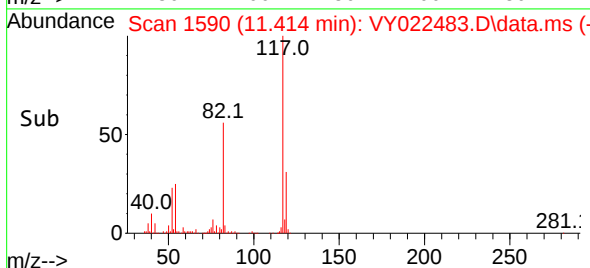
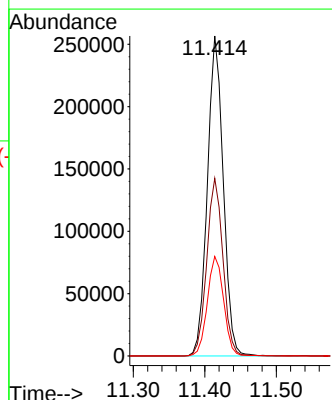
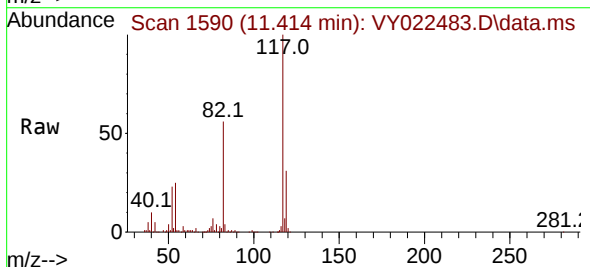
Tgt Ion: 117 Resp: 396423

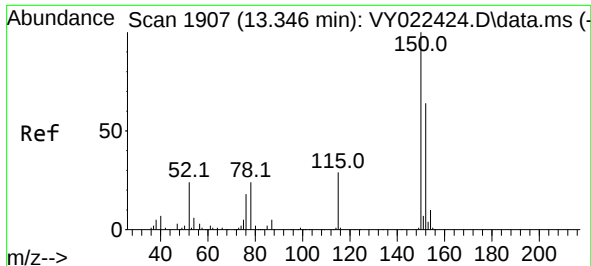
Ion Ratio Lower Upper

117 100

82 55.5 43.3 64.9

119 31.1 24.5 36.7

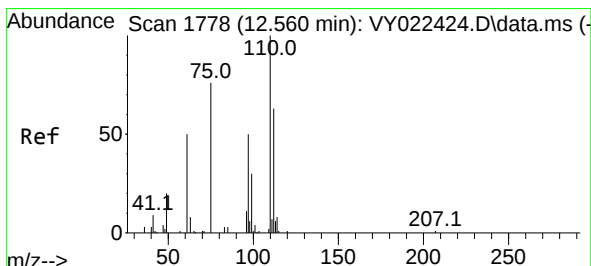
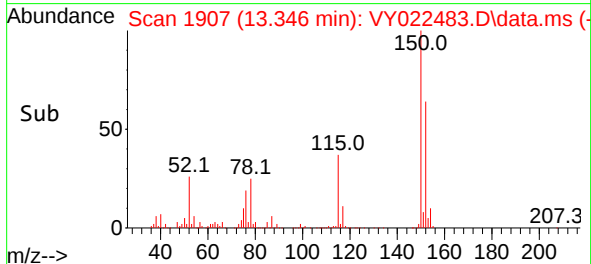
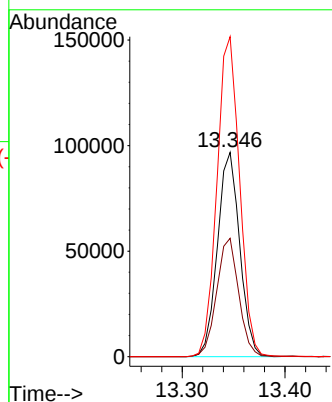
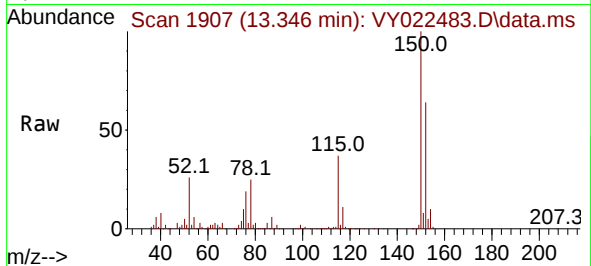




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022483.D
 Acq: 30 May 2025 17:02

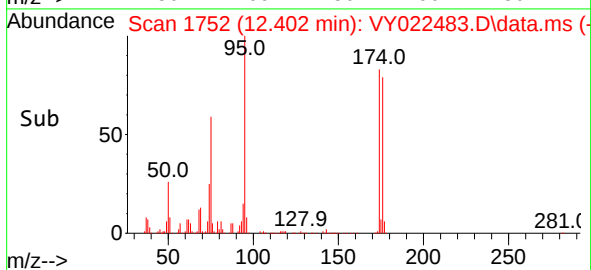
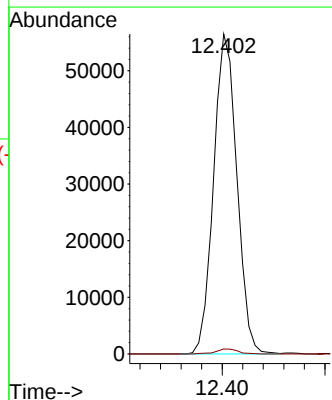
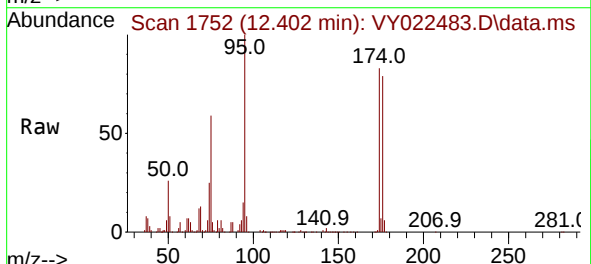
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-400-CF-402B-VOC-25

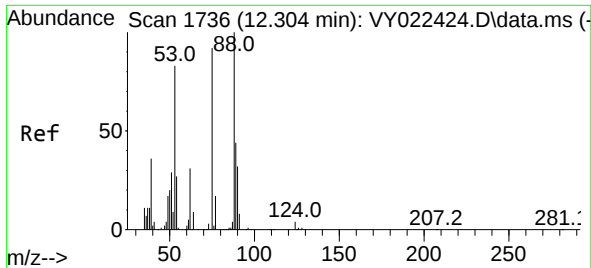
Tgt Ion:152 Resp: 145554
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.4 85.3
 150 159.2 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 60.945 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY022483.D
 Acq: 30 May 2025 17:02

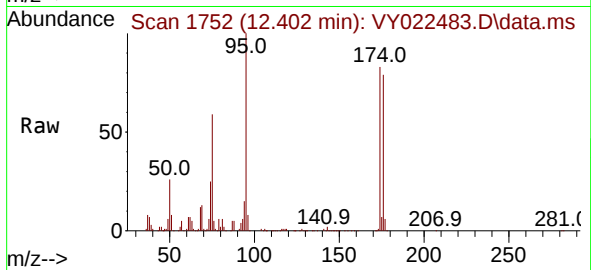
Tgt Ion: 75 Resp: 88855
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.824 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022483.D
 Acq: 30 May 2025 17:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-400-CF-402B-VOC-25



Tgt Ion: 75 Resp: 88855
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.1 112.7#
 89 0.0 37.4 56.0#

