

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022935.D
 Acq On : 03 Jul 2025 12:16
 Operator : SY/MD
 Sample : Q2486-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 04 03:18:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

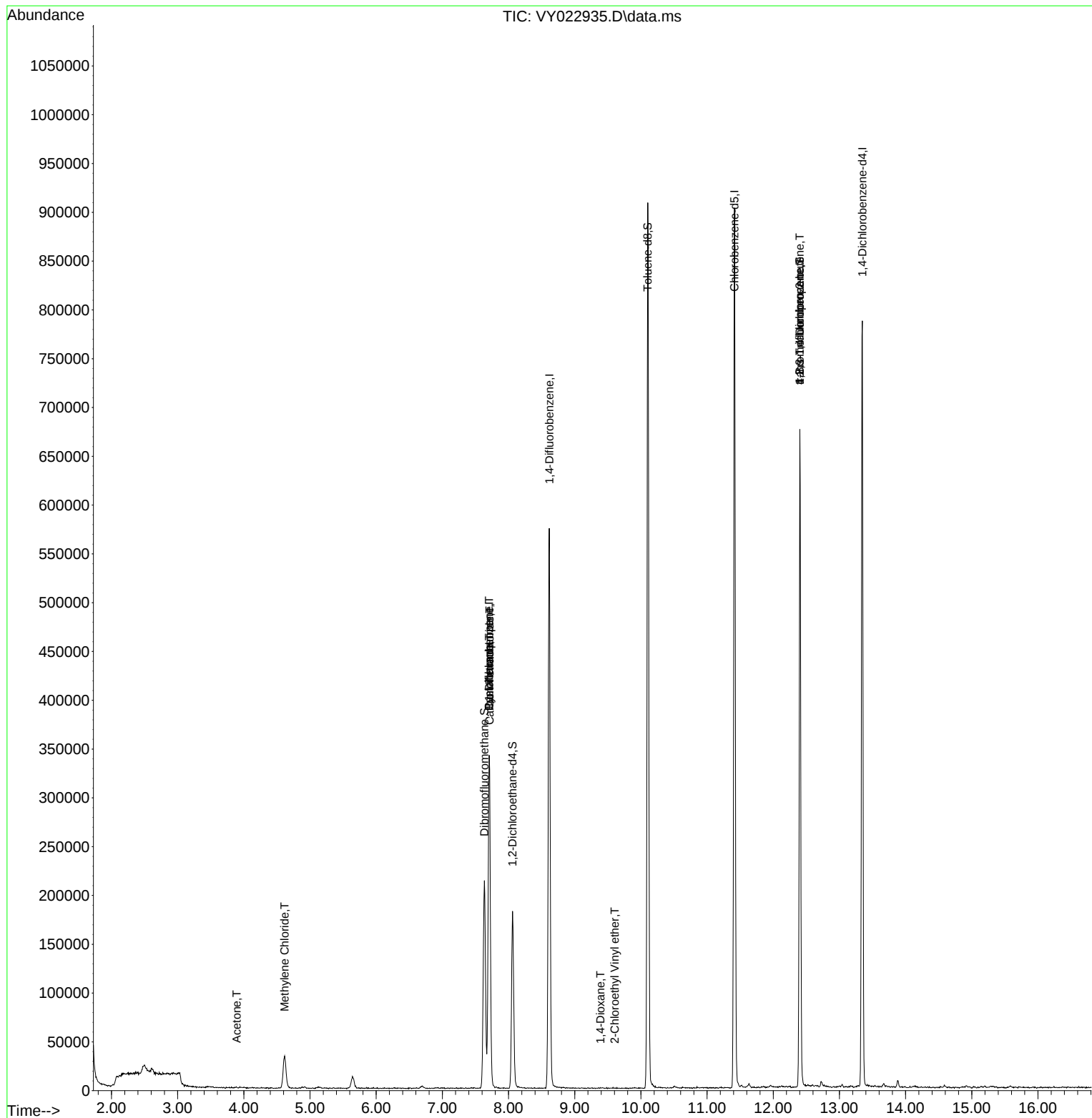
Internal Standards						
1) Pentafluorobenzene	7.707	168	259180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	477849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	460072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143392	49.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.140%			
35) Dibromofluoromethane	7.634	113	151926	52.279	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.560%			
50) Toluene-d8	10.103	98	589489	51.119	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.402	95	194015	52.337	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.680%			
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	1026	1.877	ug/l #	83
20) Methylene Chloride	4.616	84	23590	6.832	ug/l	96
31) Cyclohexane	7.707	56	6190	1.246	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	23411	5.315	ug/l #	50
38) Carbon Tetrachloride	7.713	117	26566	5.716	ug/l #	17
49) 1,4-Dioxane	9.390	88	66	3.105	ug/l #	41
58) 2-Chloroethyl Vinyl ether	9.603	63	31	15.673	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	108818	55.654	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	108818	140.605	ug/l #	11

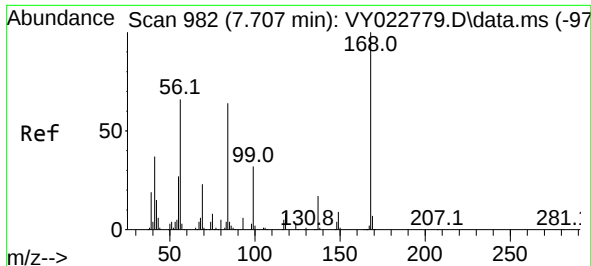
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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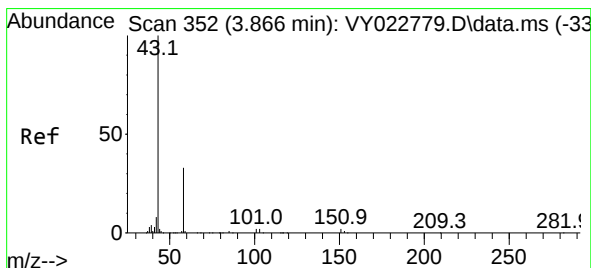
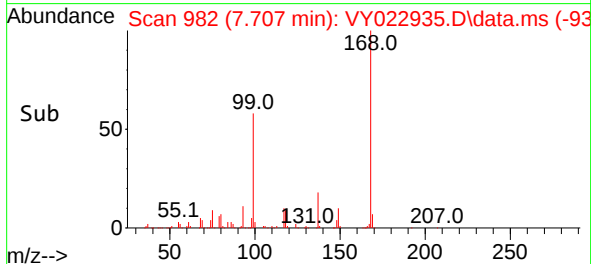
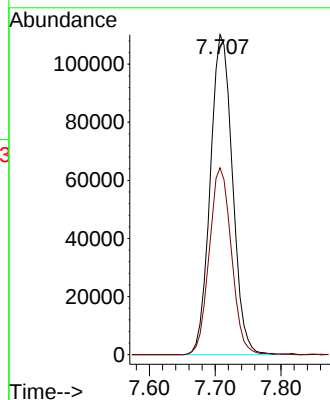
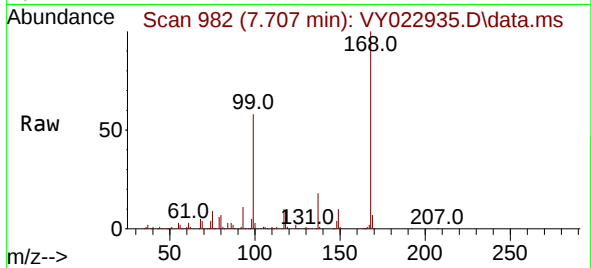




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

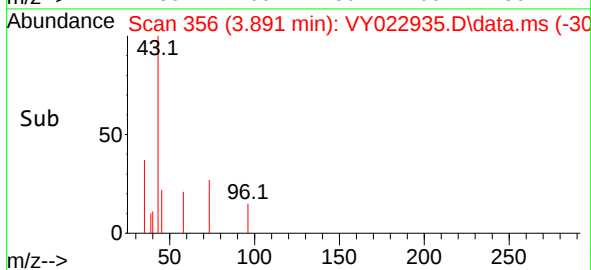
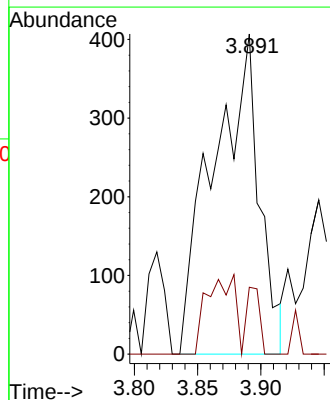
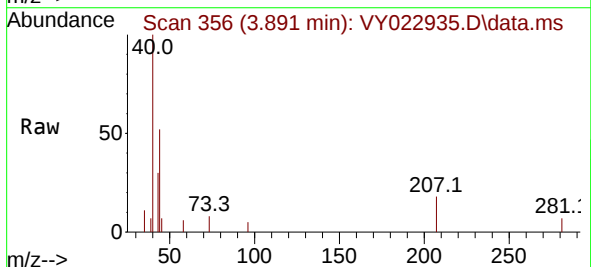
Instrument :
MSVOA_Y
ClientSampleId :
VOC

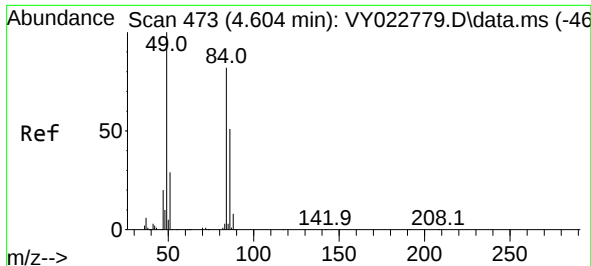
Tgt Ion:168 Resp: 259180
Ion Ratio Lower Upper
168 100
99 58.4 44.3 66.5



#16
Acetone
Concen: 1.877 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
58 20.9 24.0 36.0#



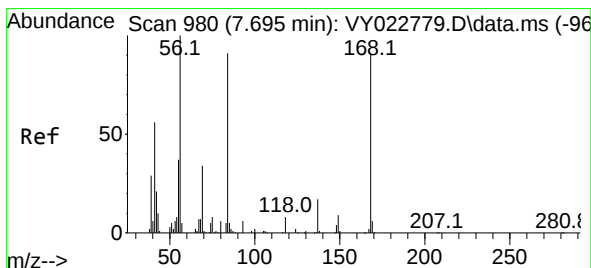
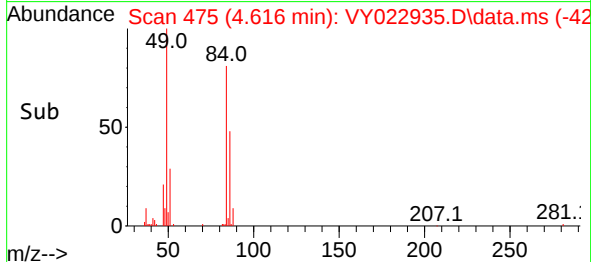
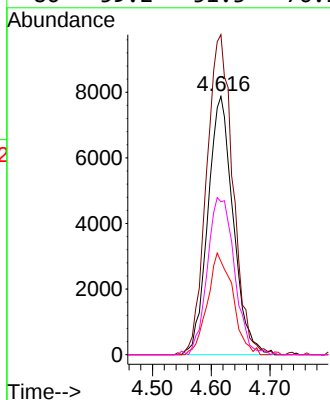
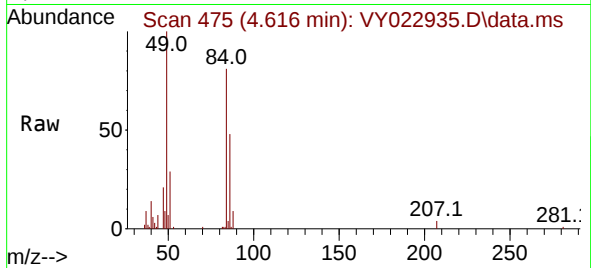


#20
Methylene Chloride
Concen: 6.832 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 84 Resp: 23590

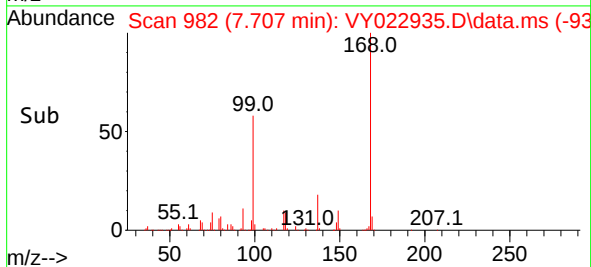
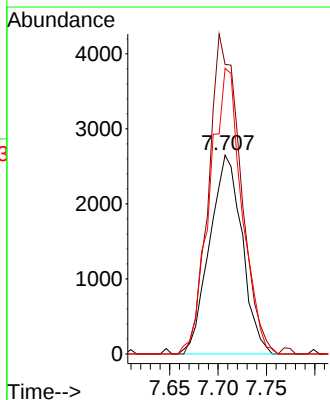
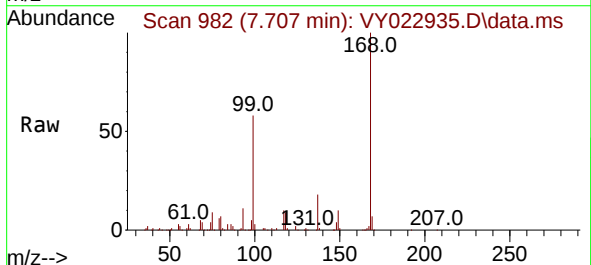
Ion	Ratio	Lower	Upper
84	100		
49	123.9	101.9	152.9
51	36.1	29.8	44.8
86	59.2	51.3	76.9

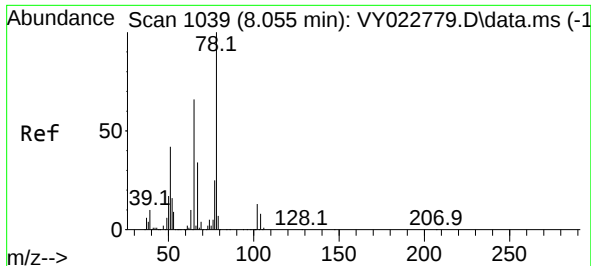


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Tgt Ion: 56 Resp: 6190

Ion	Ratio	Lower	Upper
56	100		
69	145.8	27.0	40.6#
84	143.8	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.570 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022935.D

Acq: 03 Jul 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

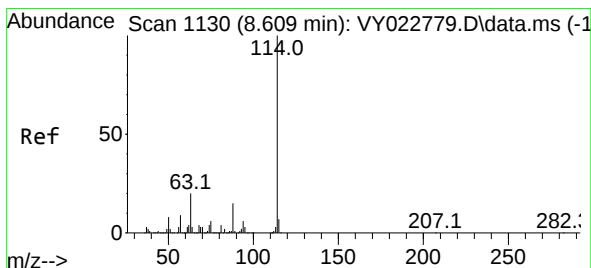
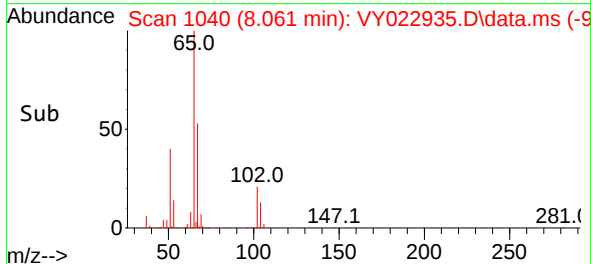
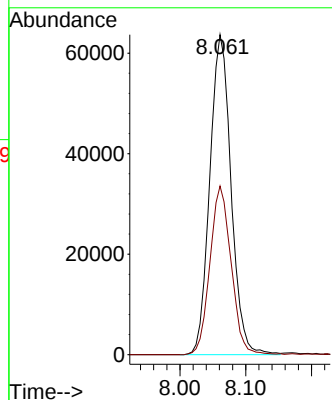
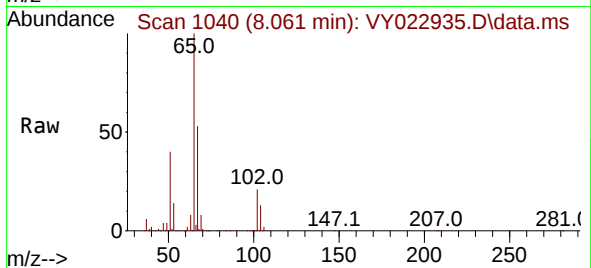
VOC

Tgt Ion: 65 Resp: 143392

Ion Ratio Lower Upper

65 100

67 52.4 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: VY022935.D

Acq: 03 Jul 2025 12:16

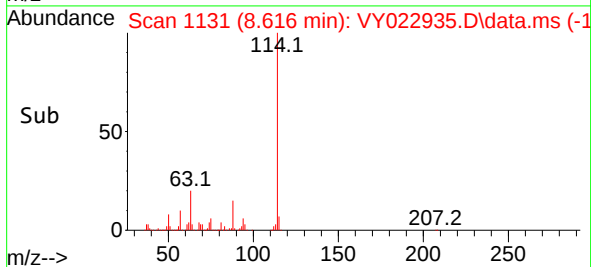
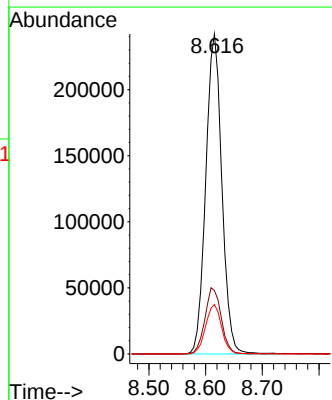
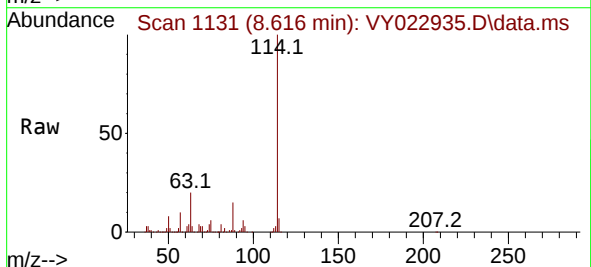
Tgt Ion: 114 Resp: 477849

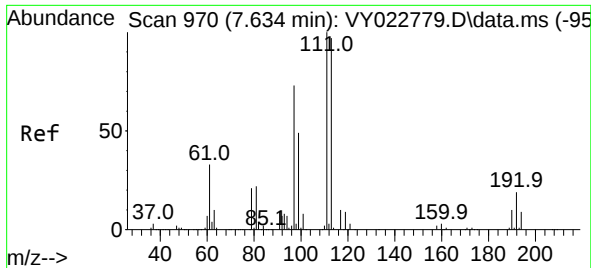
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.5 0.0 27.8

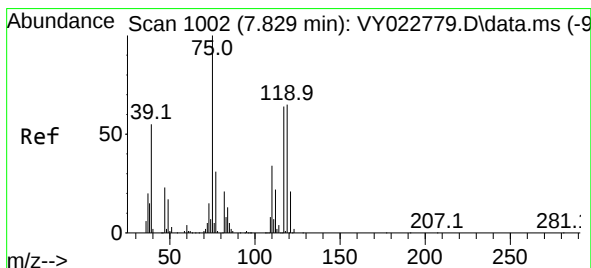
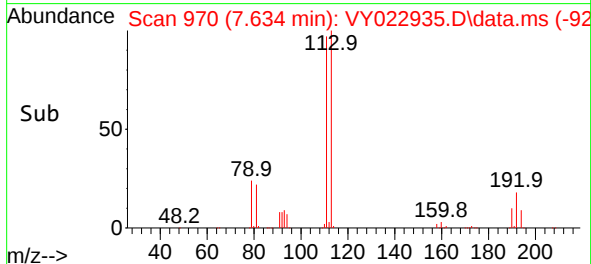
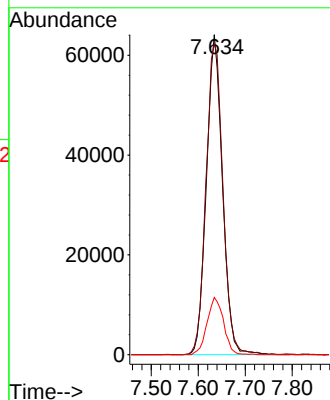
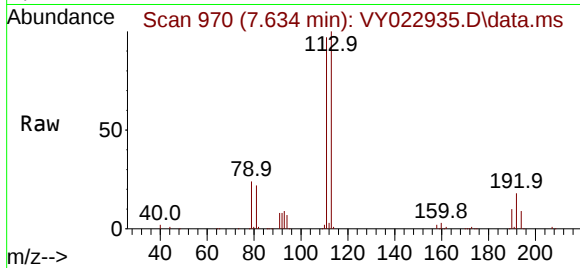




#35
Dibromofluoromethane
Concen: 52.279 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

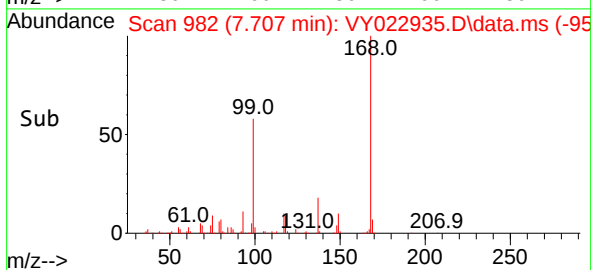
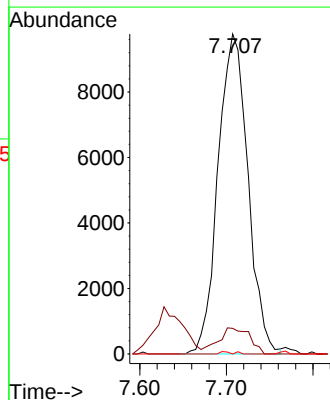
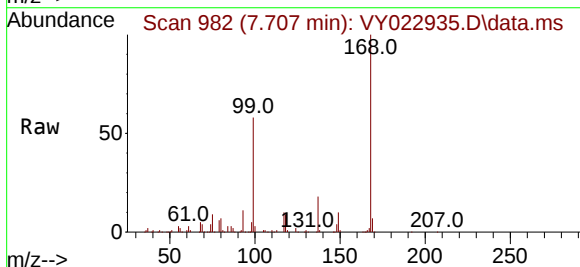
Instrument :
MSVOA_Y
ClientSampleId :
VOC

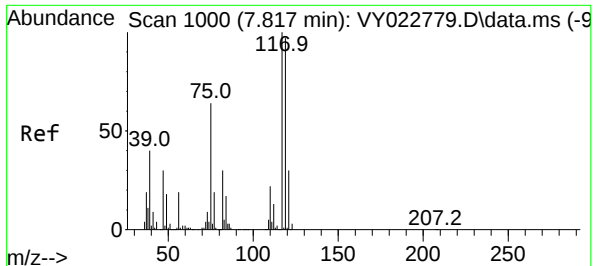
Tgt Ion:113 Resp: 151926
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.315 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Tgt Ion: 75 Resp: 23411
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.3 24.8 37.2#

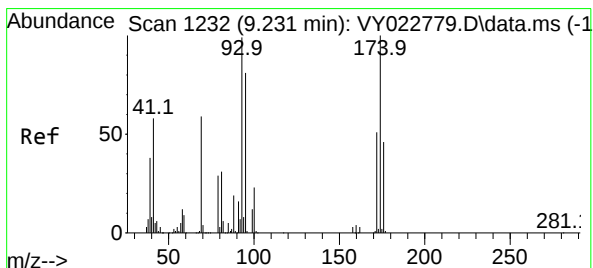
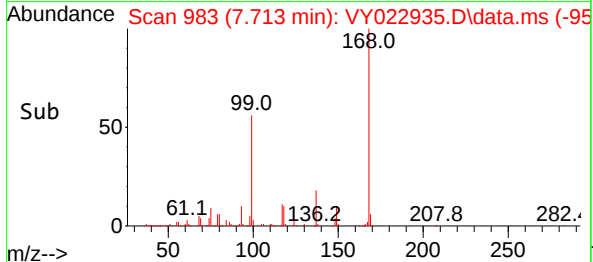
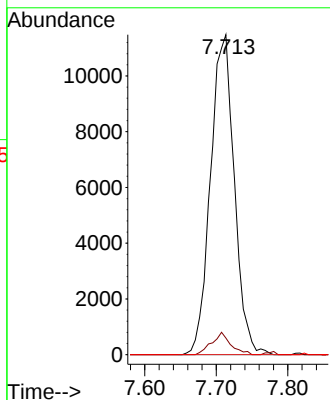
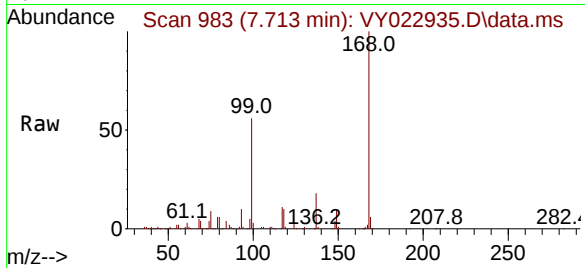




#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

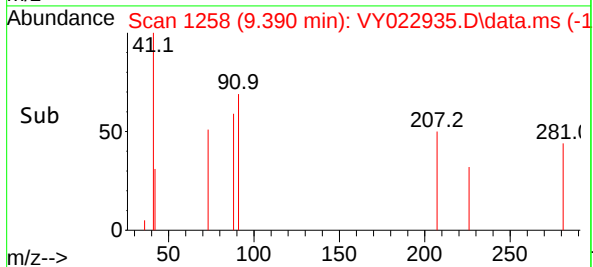
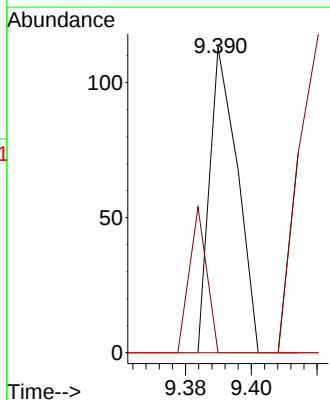
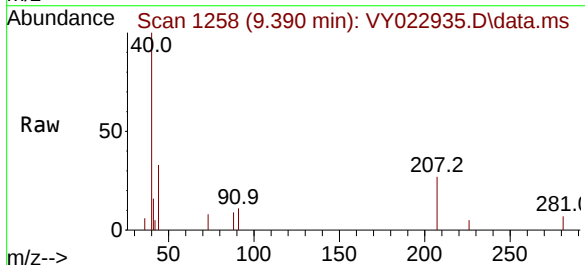
Instrument :
MSVOA_Y
ClientSampleId :
VOC

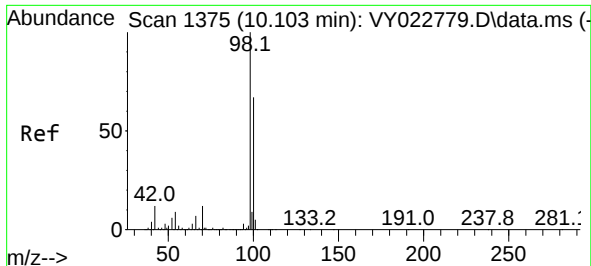
Tgt Ion:117 Resp: 26566
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 3.105 ug/l
RT: 9.390 min Scan# 1258
Delta R.T. 0.146 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 30.3 25.4 38.2
58 0.0 54.9 82.3#

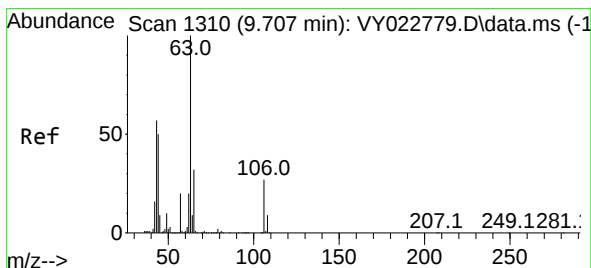
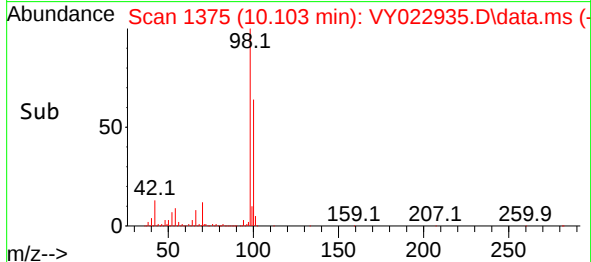
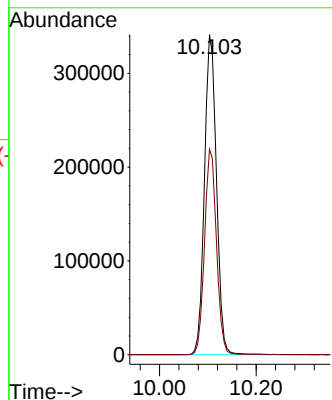
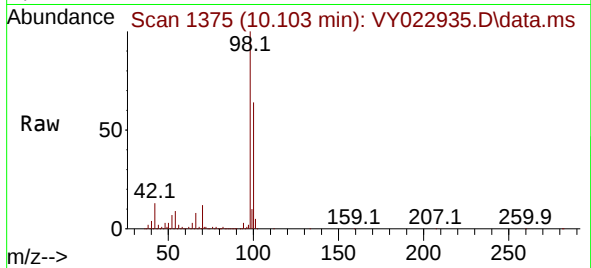




#50
Toluene-d8
Concen: 51.119 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

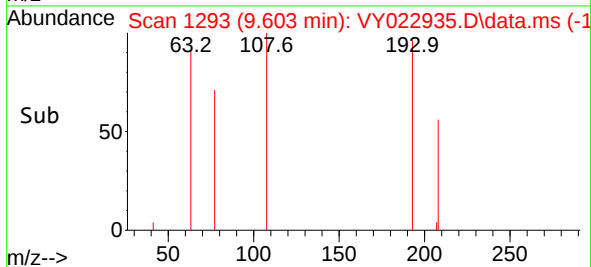
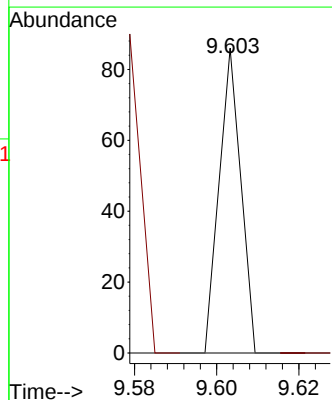
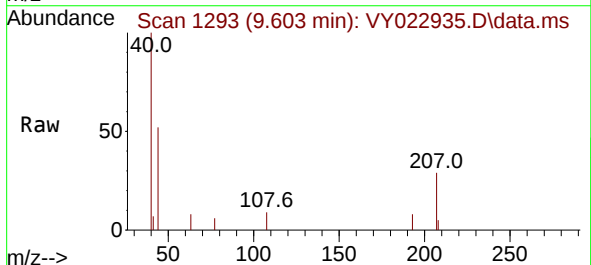
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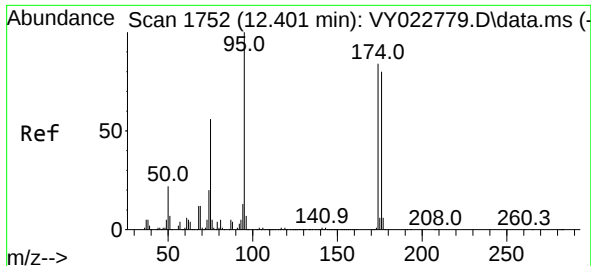
Tgt Ion: 98 Resp: 589489
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.673 ug/l
RT: 9.603 min Scan# 1293
Delta R.T. -0.110 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Tgt Ion: 63 Resp: 31
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

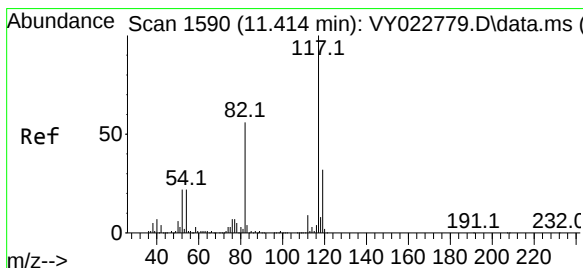
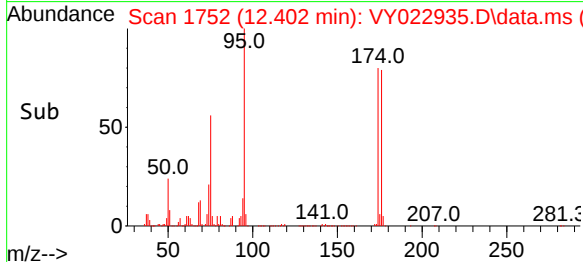
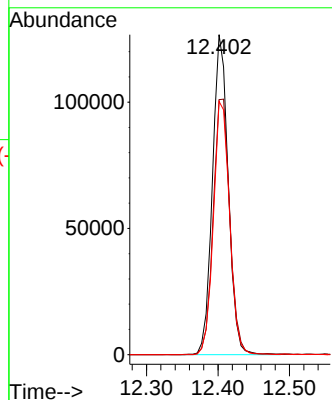
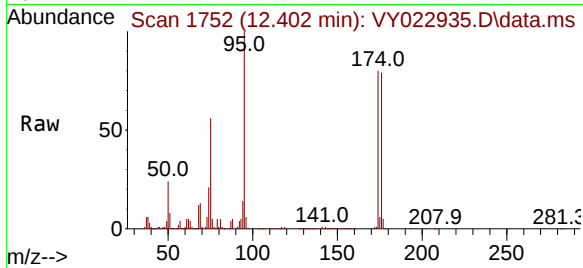




#62
4-Bromofluorobenzene
Concen: 52.337 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

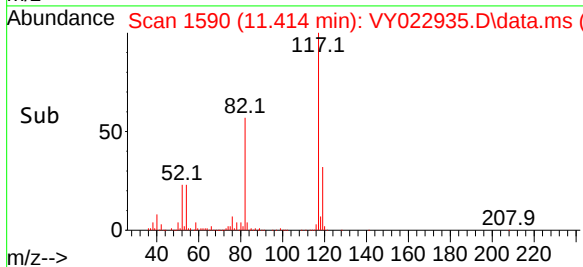
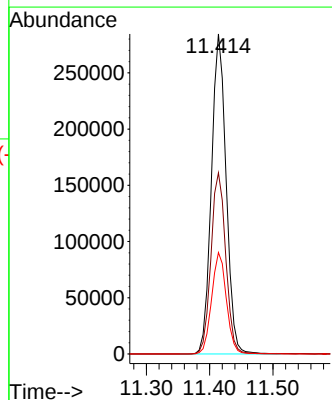
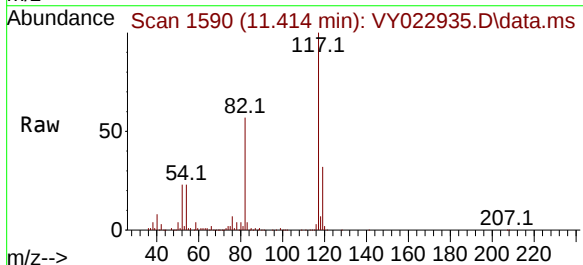
Instrument :
MSVOA_Y
ClientSampleId :
VOC

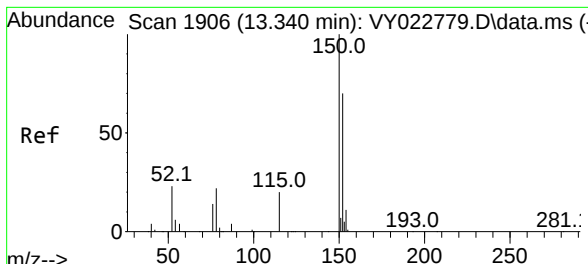
Tgt Ion: 95 Resp: 194015
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.0
176 81.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Tgt Ion: 117 Resp: 460072
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 31.7 25.4 38.0

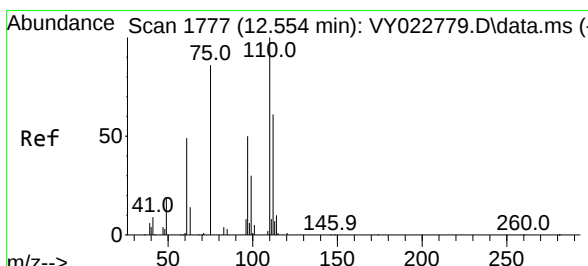
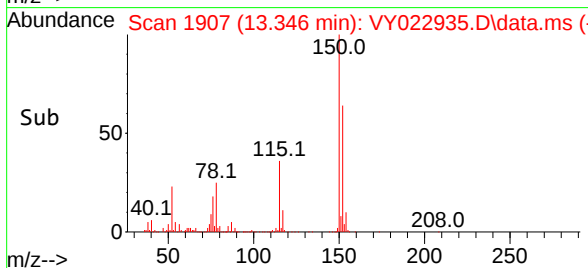
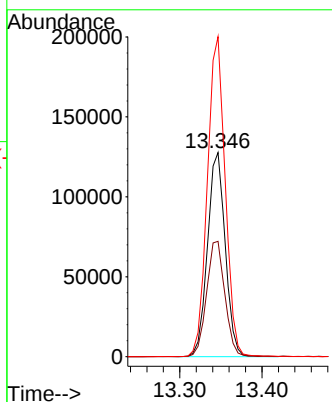
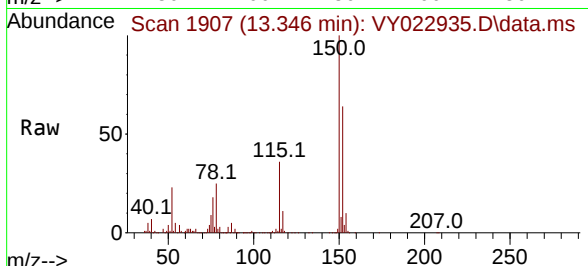




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022935.D
 Acq: 03 Jul 2025 12:16

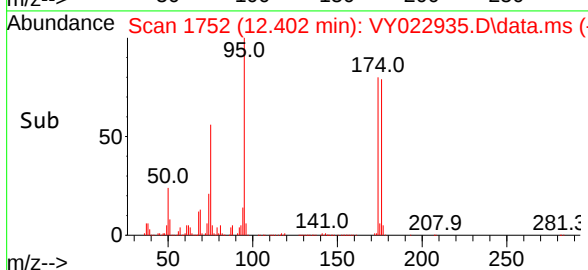
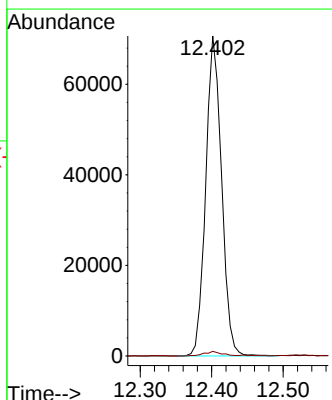
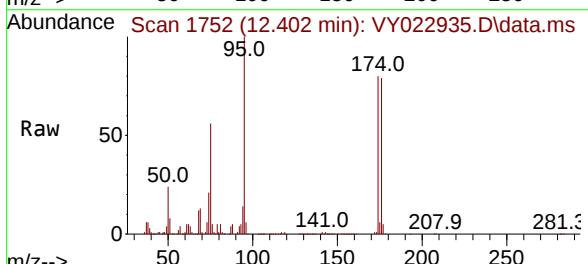
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

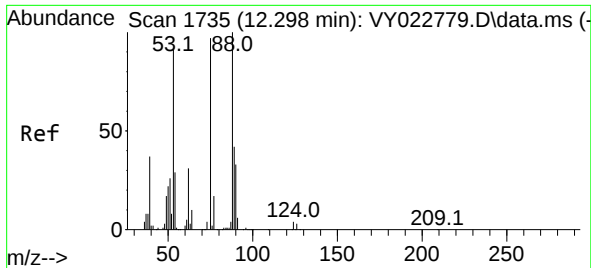
Tgt Ion:152 Resp: 191519
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.9 86.7
 150 157.5 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 55.654 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022935.D
 Acq: 03 Jul 2025 12:16

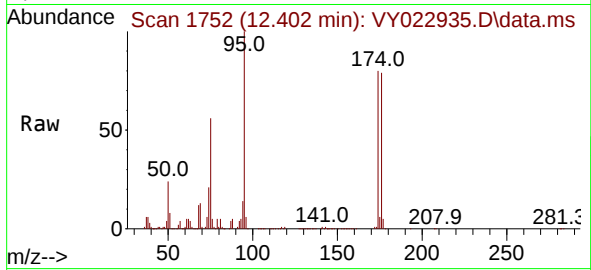
Tgt Ion: 75 Resp: 108818
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 140.605 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022935.D
Acq: 03 Jul 2025 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VOC



Tgt Ion: 75 Resp: 108818
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#

