

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022918.D
 Acq On : 02 Jul 2025 17:30
 Operator : SY/MD
 Sample : Q2473-02
 Misc : 8.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#2

Quant Time: Jul 03 02:25:43 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)

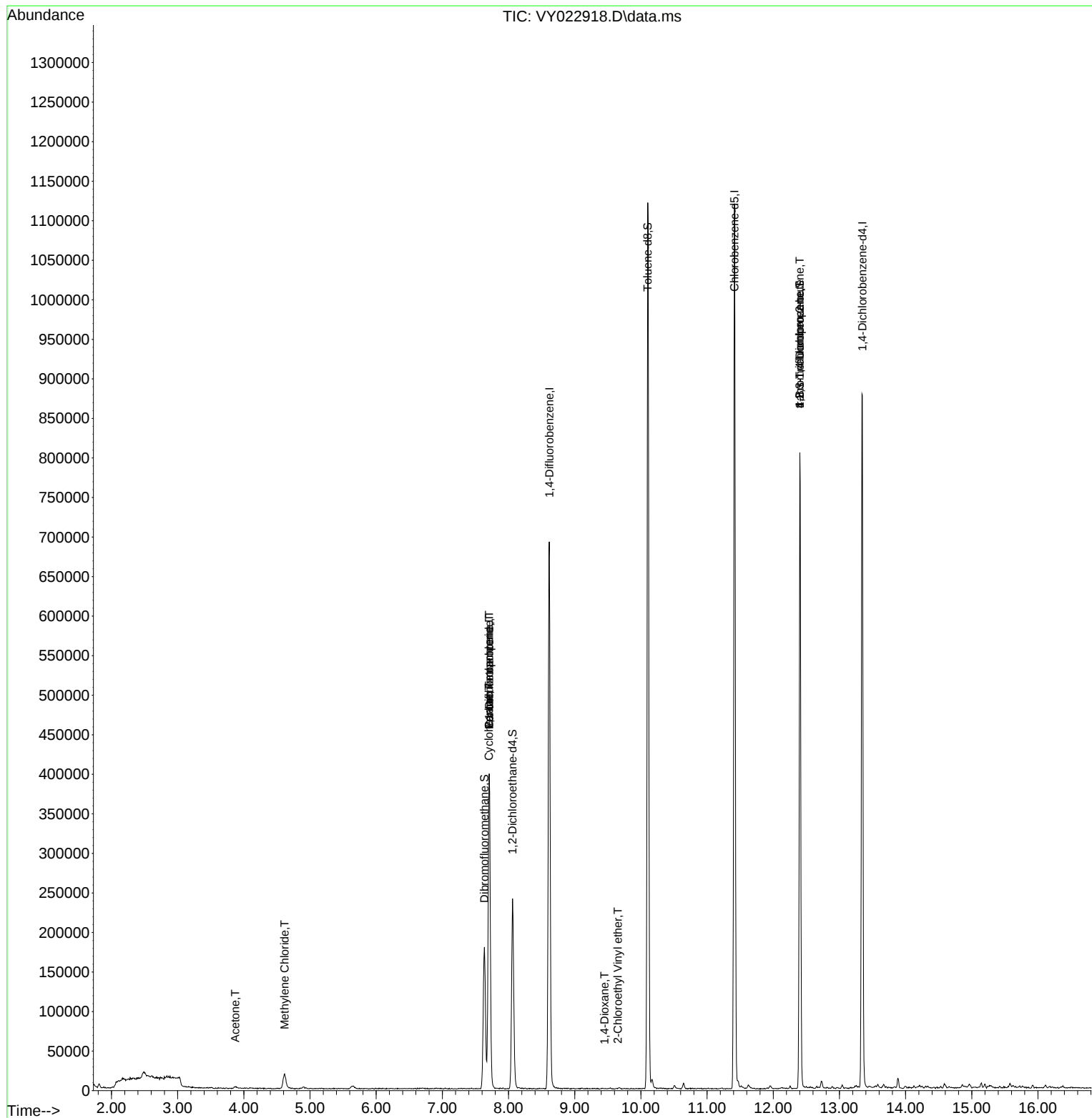
Internal Standards						
1) Pentafluorobenzene	7.707	168	300149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	579446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	220138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	181616	54.214	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.420%	
35) Dibromofluoromethane	7.634	113	125921	35.733	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 71.460%	
50) Toluene-d8	10.103	98	710362	50.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.402	95	233105	51.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.720%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	3990	6.302	ug/l	92
20) Methylene Chloride	4.616	84	12760	3.191	ug/l	88
31) Cyclohexane	7.701	56	7759	1.348	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	25949	4.858	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31685	5.622	ug/l #	17
49) 1,4-Dioxane	9.451	88	45	1.746	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.652	63	20	15.665	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	132179	58.814	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	132179	148.586	ug/l #	11

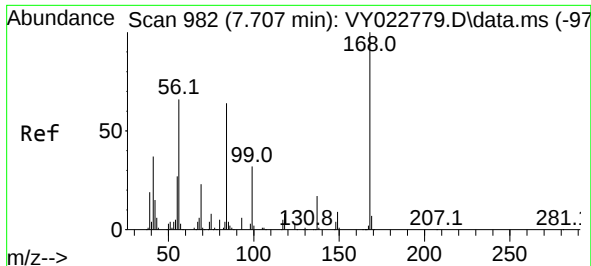
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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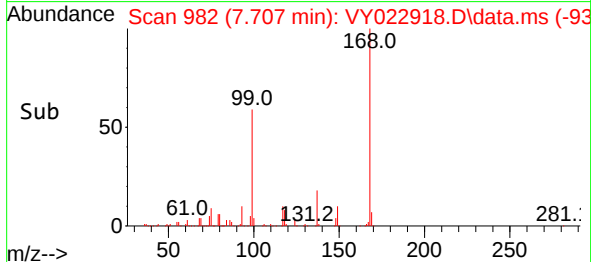
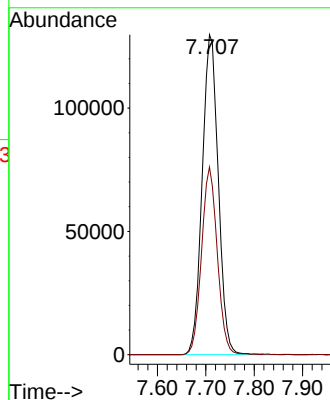
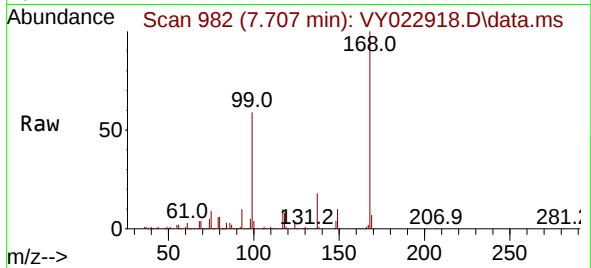




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

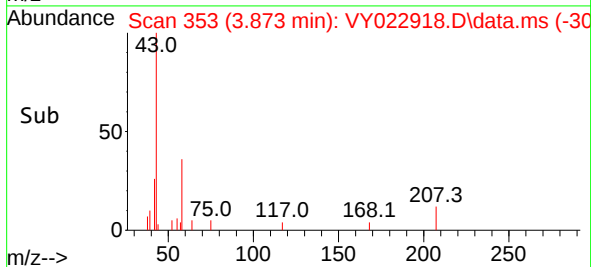
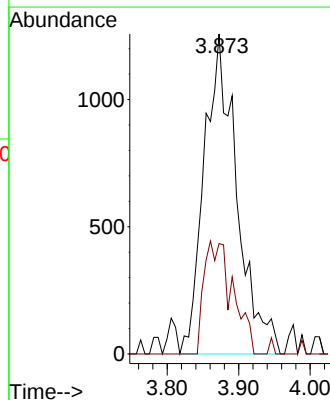
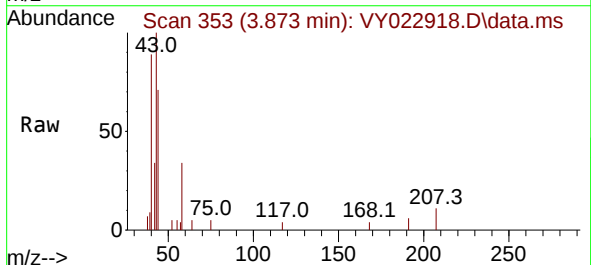
Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

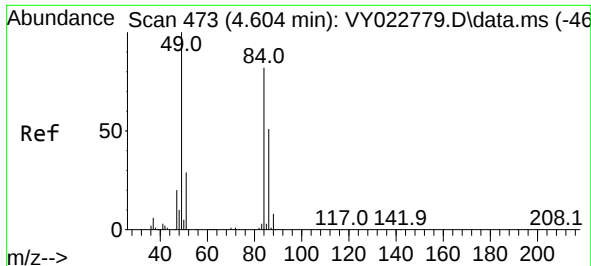
Tgt Ion:168 Resp: 300149
Ion Ratio Lower Upper
168 100
99 58.7 44.3 66.5



#16
Acetone
Concen: 6.302 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion: 43 Resp: 3990
Ion Ratio Lower Upper
43 100
58 34.5 24.0 36.0

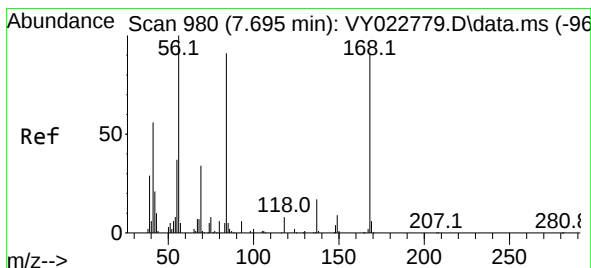
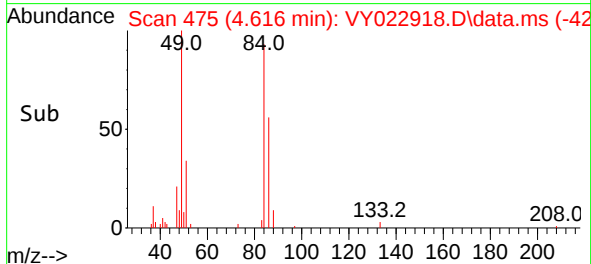
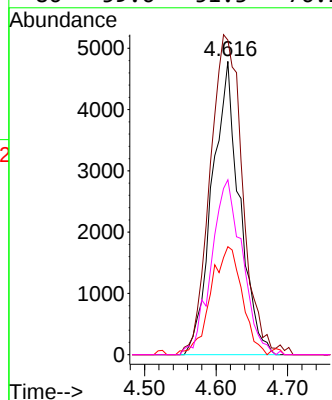
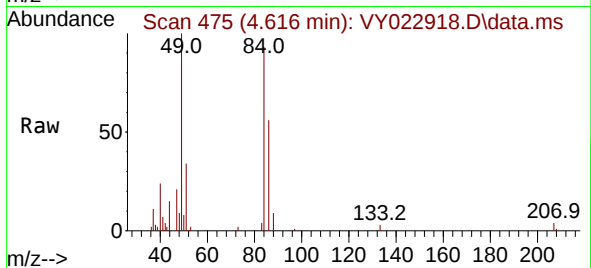




#20
Methylene Chloride
Concen: 3.191 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

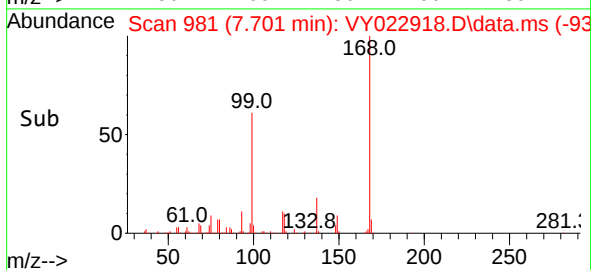
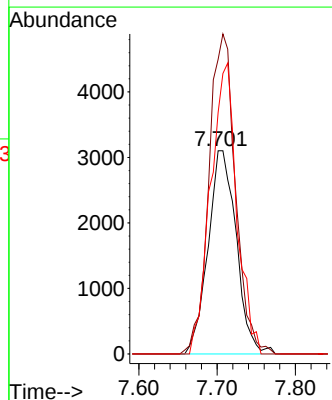
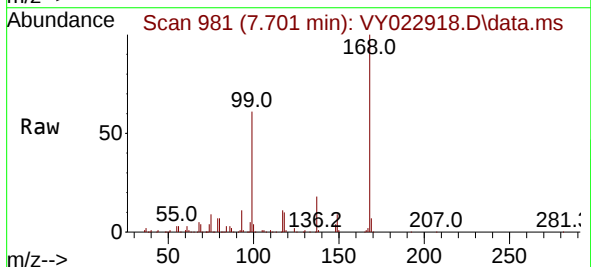
Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

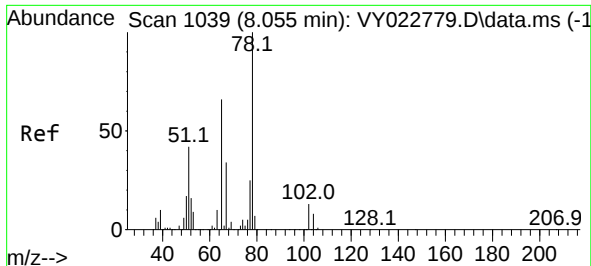
Tgt Ion:	84	Resp:	12760
Ion	Ratio	Lower	Upper
84	100		
49	107.2	101.9	152.9
51	35.5	29.8	44.8
86	59.6	51.3	76.9



#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion:	56	Resp:	7759
Ion	Ratio	Lower	Upper
56	100		
69	145.0	27.0	40.6#
84	118.8	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 54.214 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022918.D

Acq: 02 Jul 2025 17:30

Instrument :

MSVOA_Y

ClientSampleId :

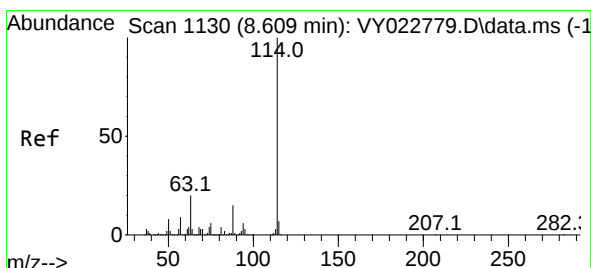
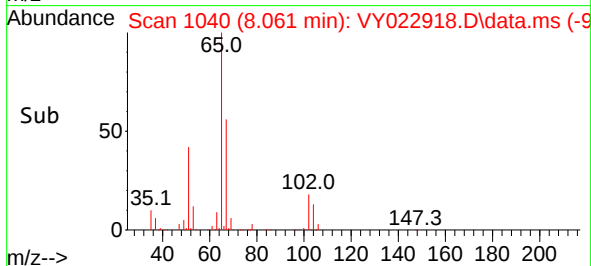
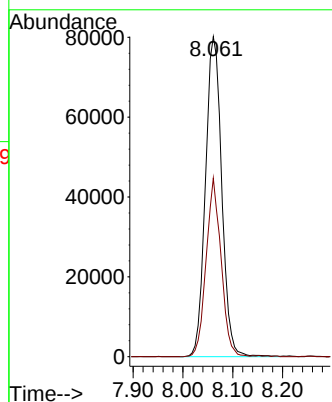
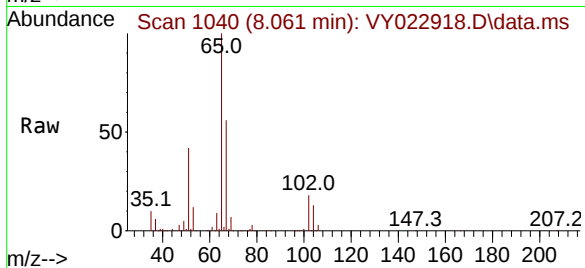
PIT#2

Tgt Ion: 65 Resp: 181616

Ion Ratio Lower Upper

65 100

67 51.3 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: VY022918.D

Acq: 02 Jul 2025 17:30

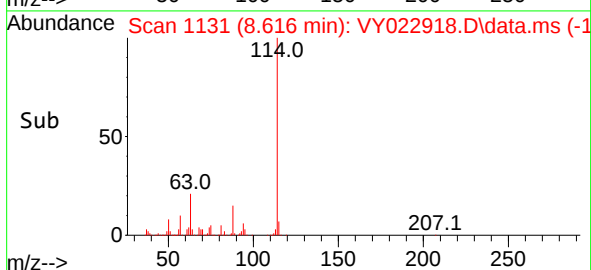
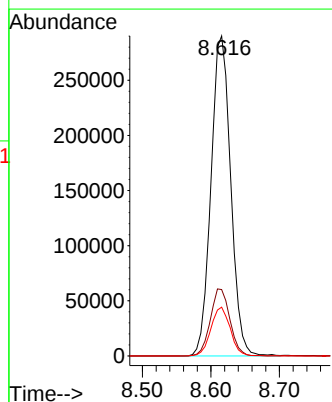
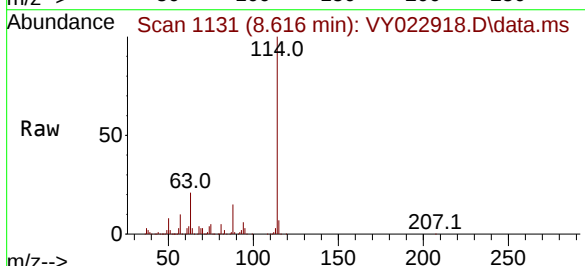
Tgt Ion:114 Resp: 579446

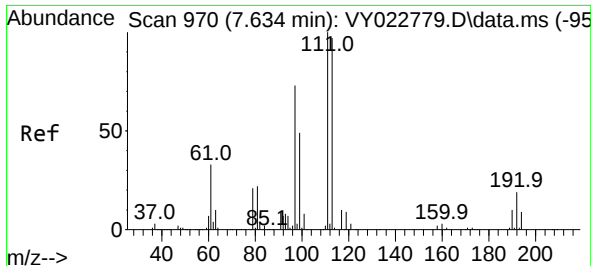
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.2 0.0 27.8

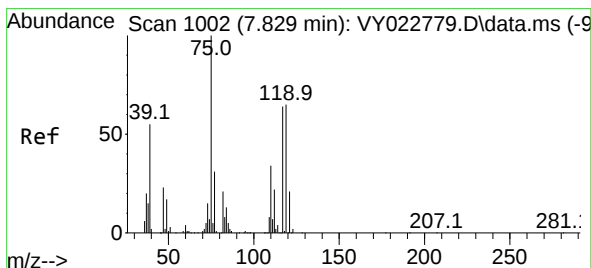
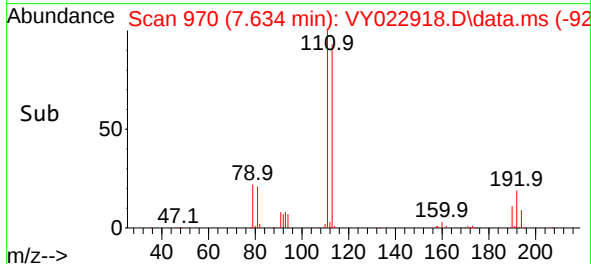
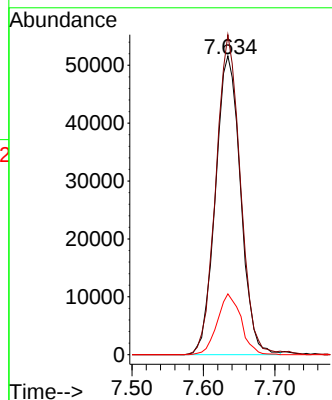
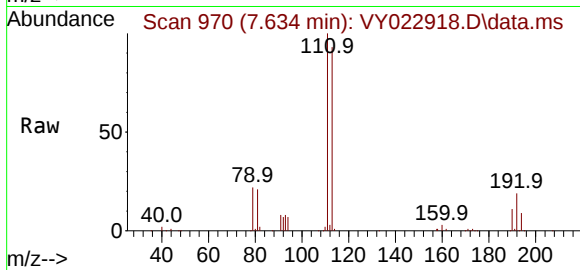




#35
Dibromofluoromethane
Concen: 35.733 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

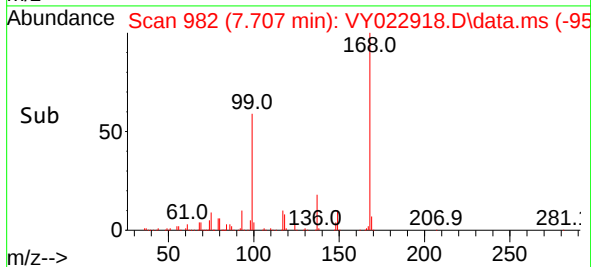
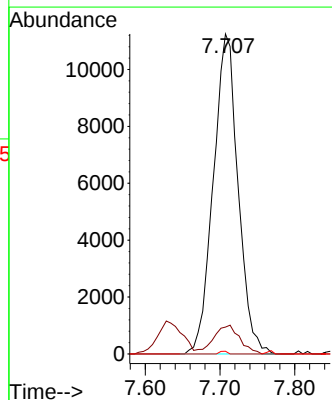
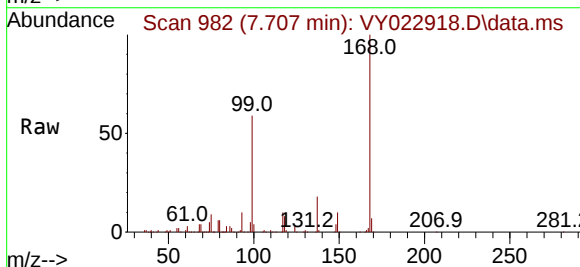
Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

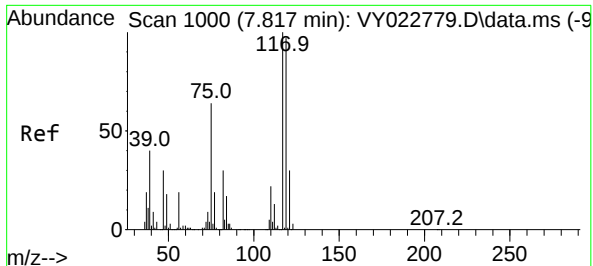
Tgt Ion:113 Resp: 125921
Ion Ratio Lower Upper
113 100
111 104.6 81.1 121.7
192 19.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.858 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion: 75 Resp: 25949
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 24.8 37.2#

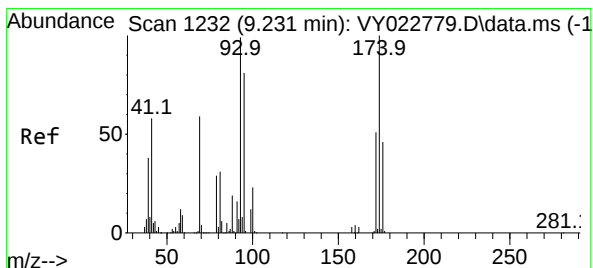
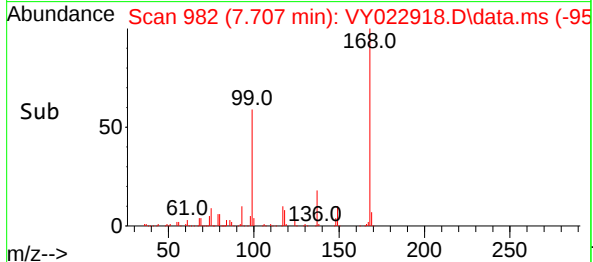
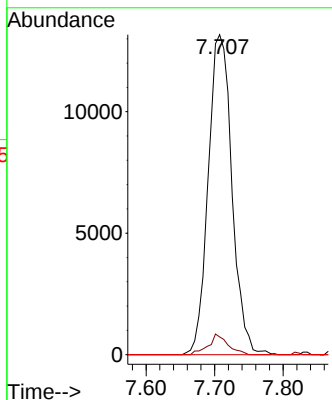
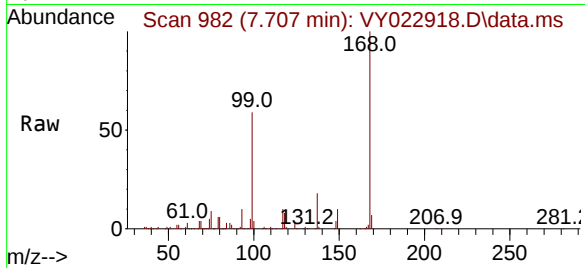




#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

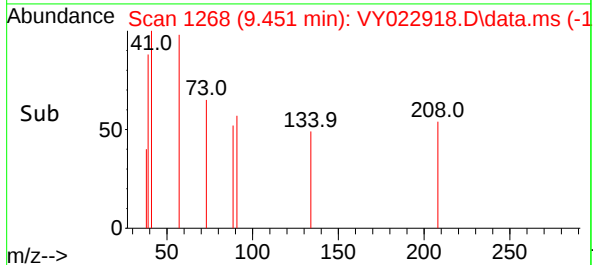
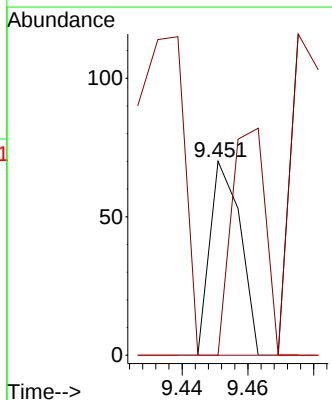
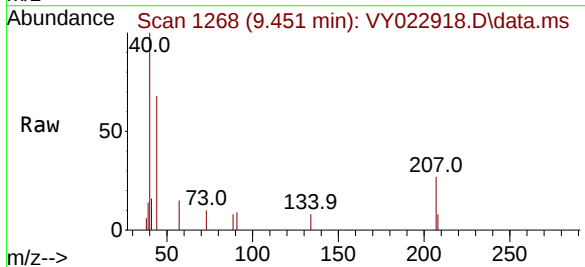
Instrument :
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ClientSampleId :
PIT#2

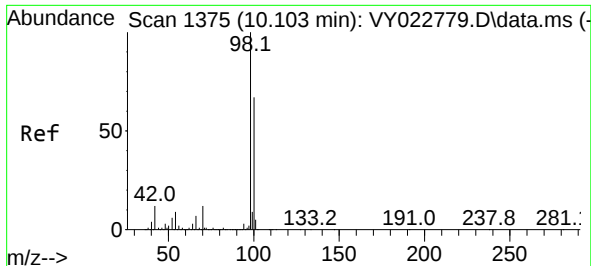
Tgt Ion:117 Resp: 31685
Ion Ratio Lower Upper
117 100
119 5.6 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.746 ug/l
RT: 9.451 min Scan# 1268
Delta R.T. 0.207 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 260.0 25.4 38.2#
58 0.0 54.9 82.3#

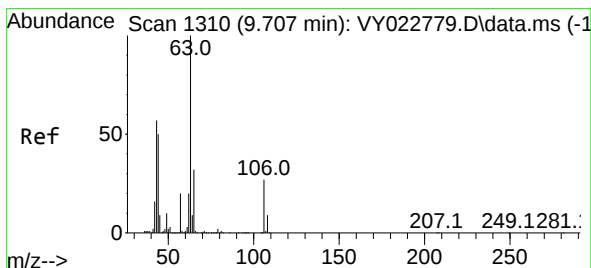
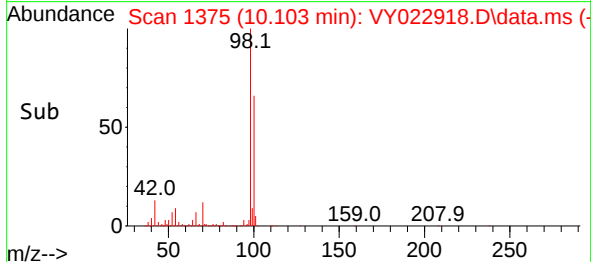
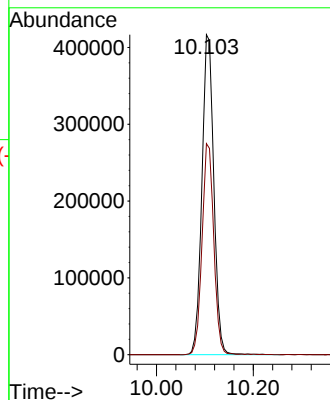
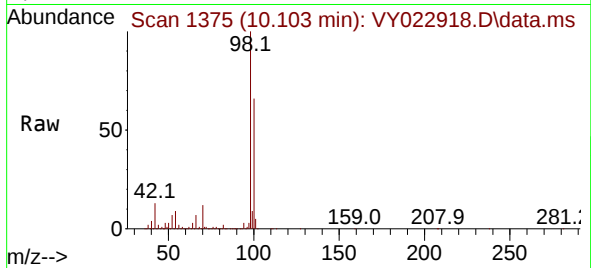




#50
Toluene-d8
Concen: 50.800 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

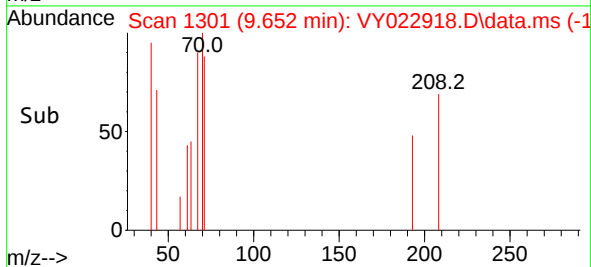
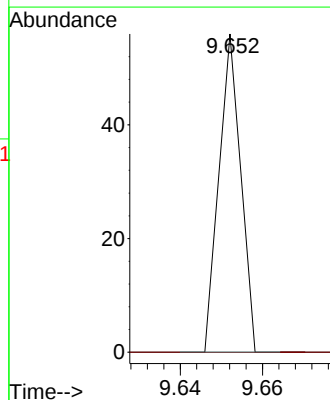
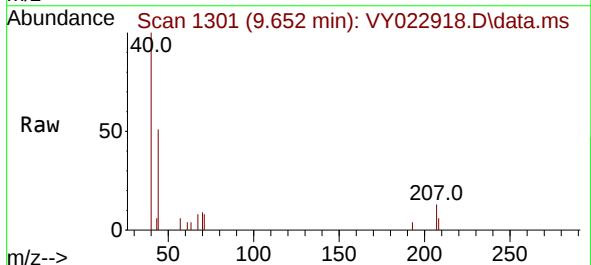
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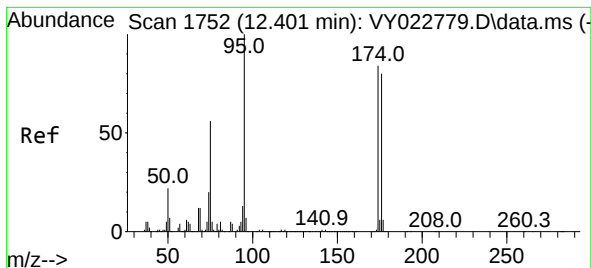
Tgt Ion: 98 Resp: 710362
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.665 ug/l
RT: 9.652 min Scan# 1301
Delta R.T. -0.061 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

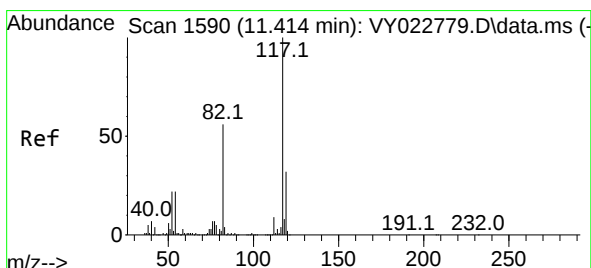
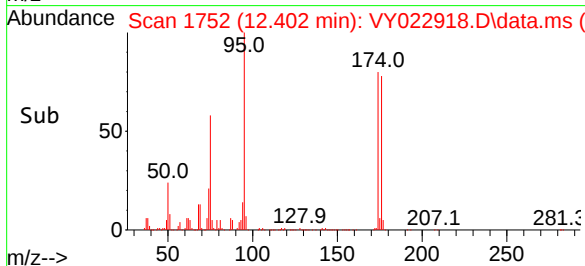
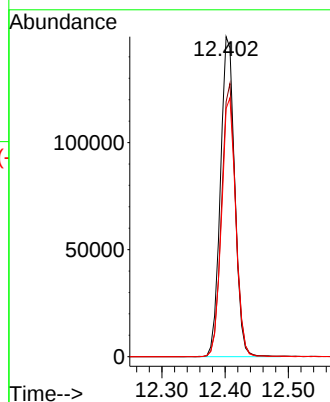
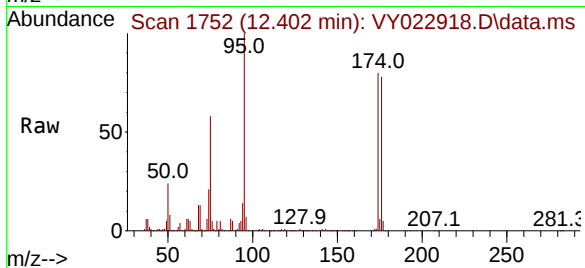




#62
4-Bromofluorobenzene
Concen: 51.856 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

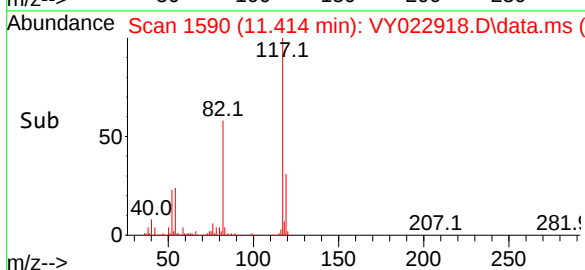
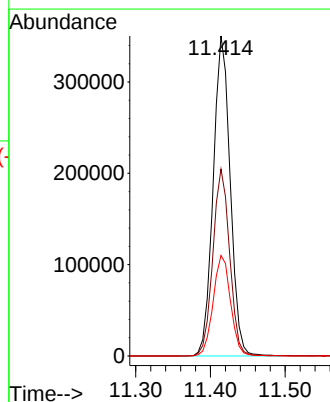
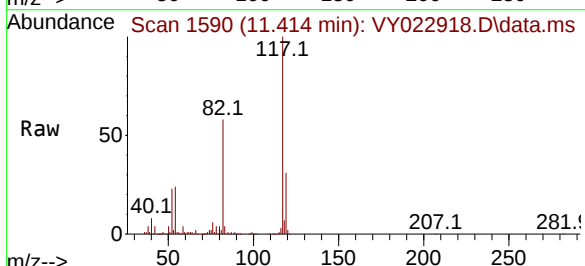
Instrument :
MSVOA_Y
ClientSampleId :
PIT#2

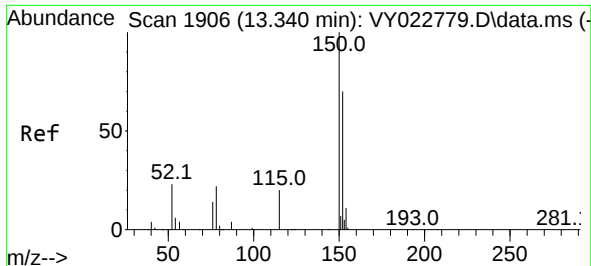
Tgt Ion: 95 Resp: 233105
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 80.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Tgt Ion: 117 Resp: 556091
Ion Ratio Lower Upper
117 100
82 58.4 44.6 66.8
119 31.4 25.4 38.0

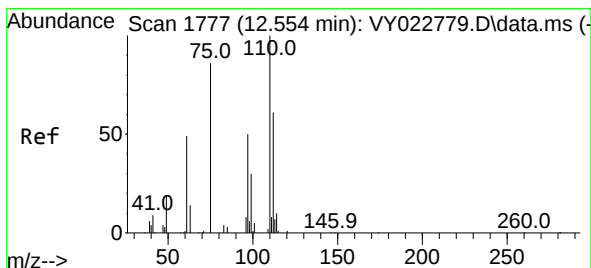
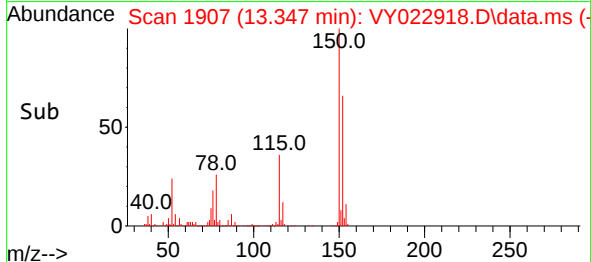
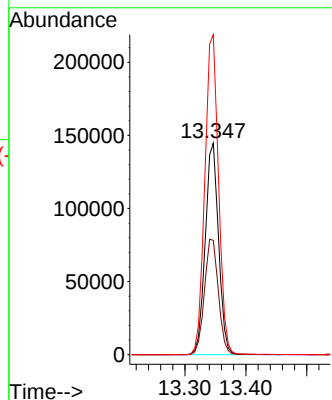
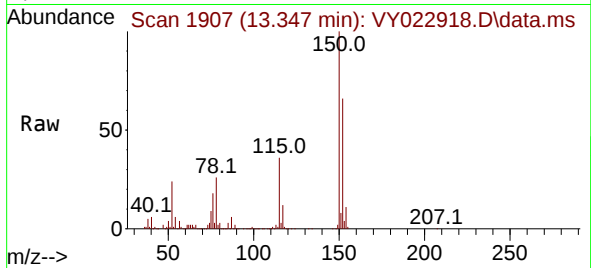




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022918.D
 Acq: 02 Jul 2025 17:30

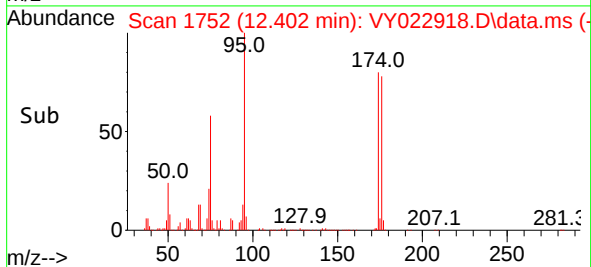
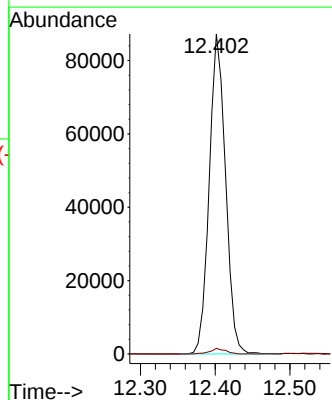
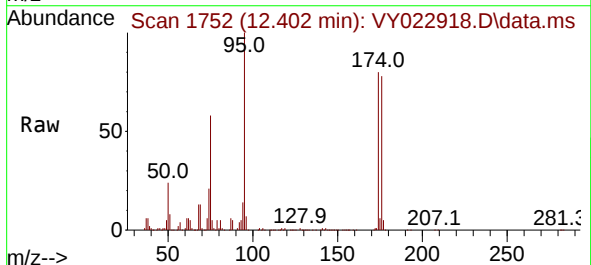
Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#2

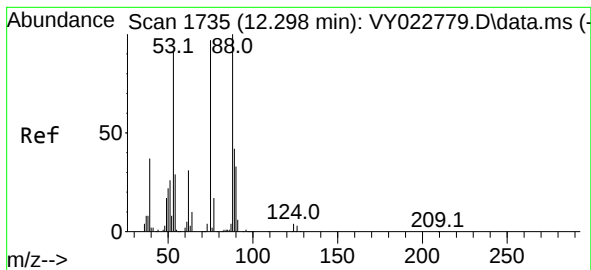
Tgt Ion:152 Resp: 220138
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.9 86.7
 150 155.4 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 58.814 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022918.D
 Acq: 02 Jul 2025 17:30

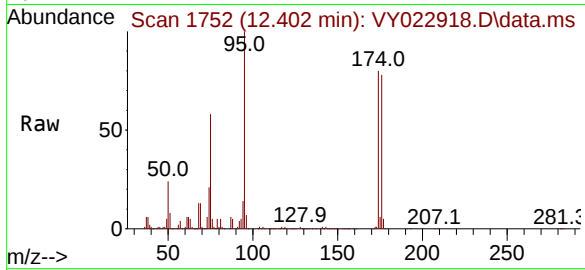
Tgt Ion: 75 Resp: 132179
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 148.586 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY022918.D
Acq: 02 Jul 2025 17:30

Instrument :
MSVOA_Y
ClientSampleId :
PIT#2



Tgt Ion: 75 Resp: 132179
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

