

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022919.D
 Acq On : 02 Jul 2025 17:53
 Operator : SY/MD
 Sample : Q2473-03
 Misc : 7.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#3

Quant Time: Jul 03 02:26:09 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	309766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	475549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	181660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123951	35.852	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.700%
35) Dibromofluoromethane	7.634	113	128321	38.246	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.500%
50) Toluene-d8	10.103	98	659965	49.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.401	95	191004	44.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.260%

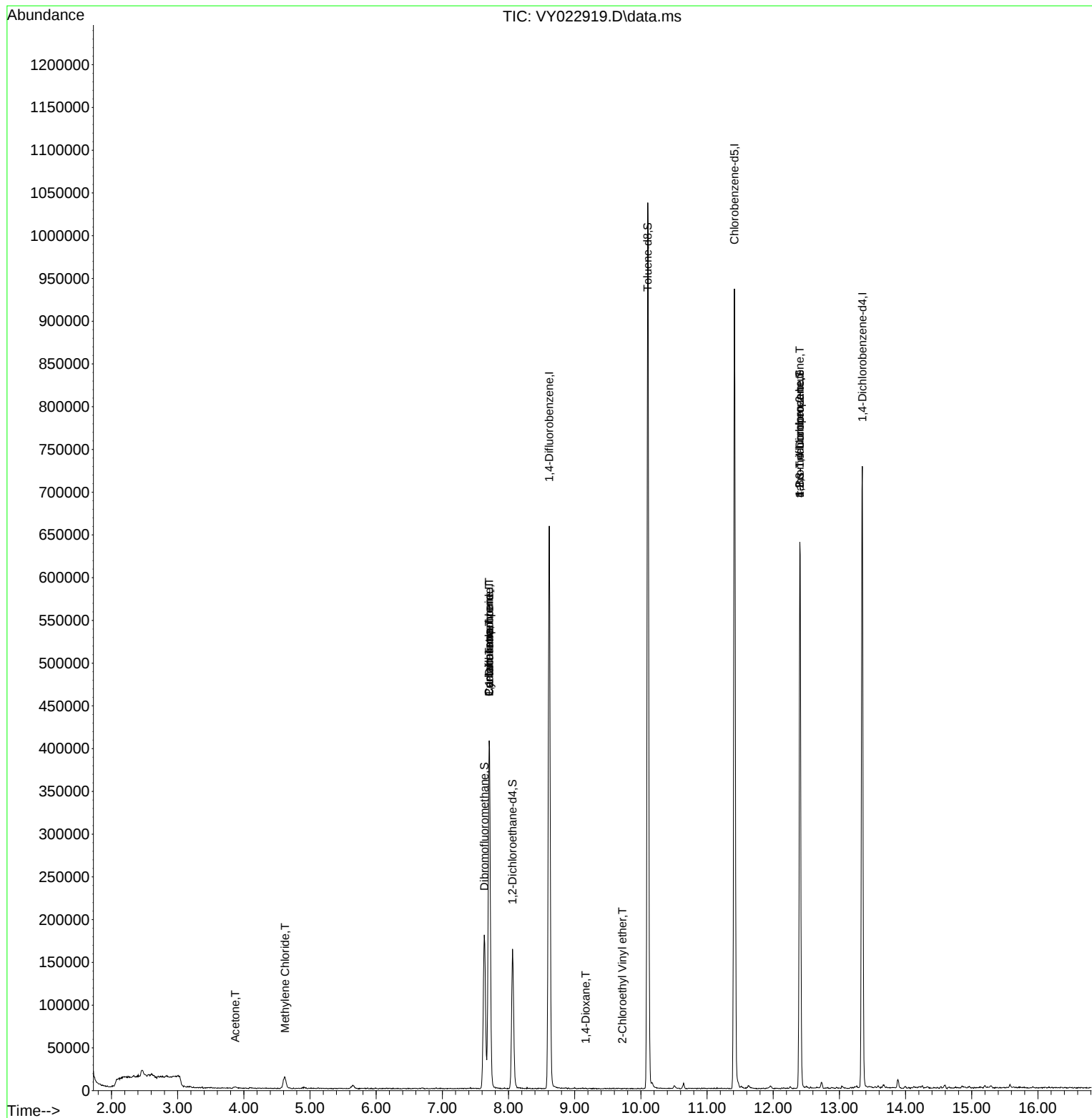
Target Compounds					Qvalue	
16) Acetone	3.872	43	2546	3.896	ug/l #	88
20) Methylene Chloride	4.622	84	9519	2.307	ug/l	98
31) Cyclohexane	7.707	56	8242	1.388	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	27045	5.318	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31349	5.842	ug/l #	17
49) 1,4-Dioxane	9.164	88	32	1.304	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.719	63	44	15.677	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	105743	57.017	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	105743	144.047	ug/l #	11

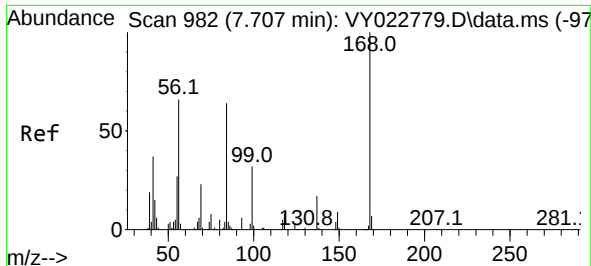
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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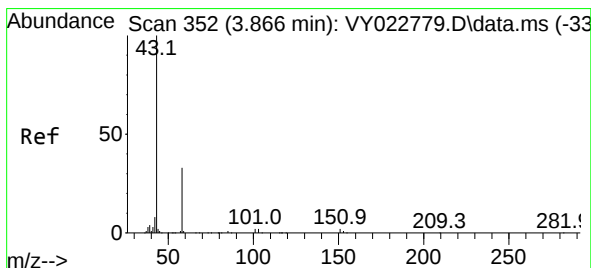
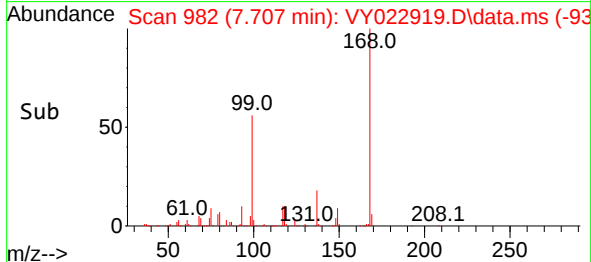
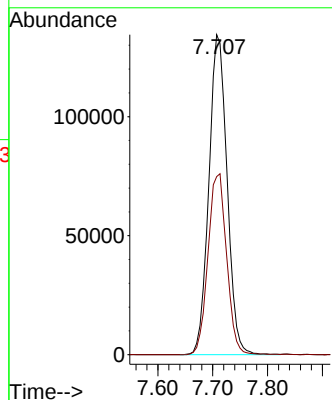
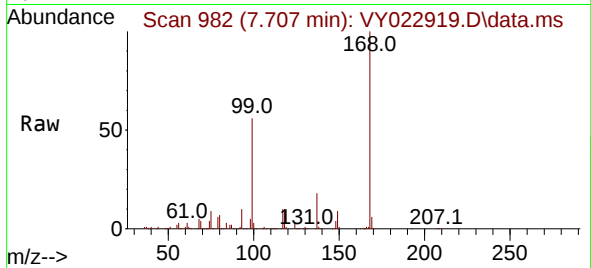




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

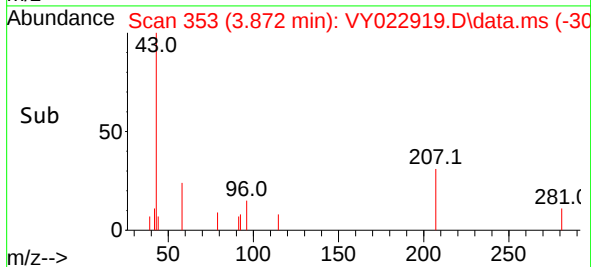
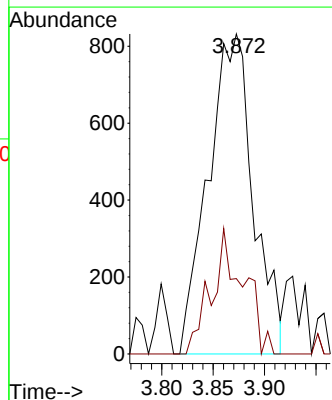
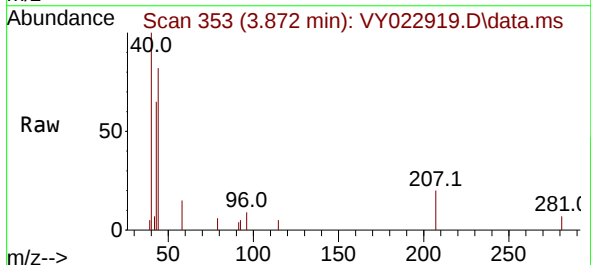
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MSVOA_Y
ClientSampleId :
PIT#3

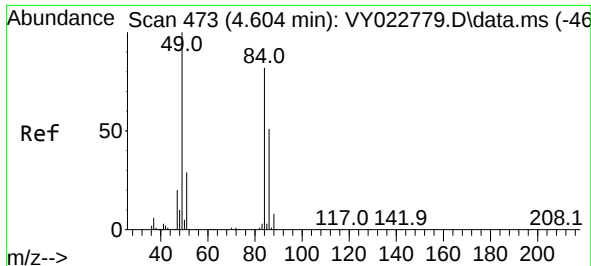
Tgt Ion:168 Resp: 309766
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#16
Acetone
Concen: 3.896 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 43 Resp: 2546
Ion Ratio Lower Upper
43 100
58 23.6 24.0 36.0#

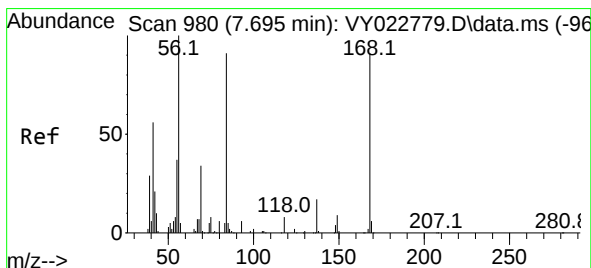
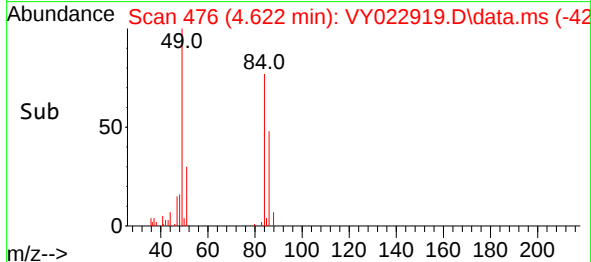
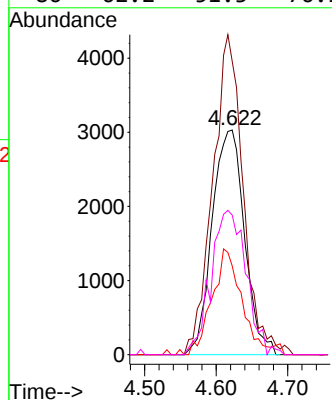
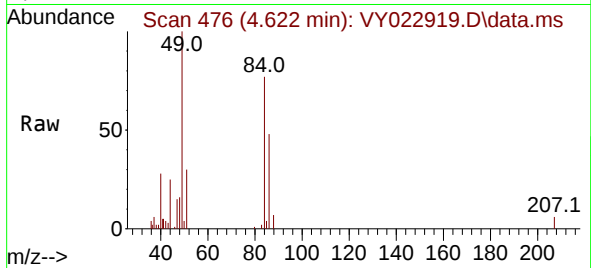




#20
Methylene Chloride
Concen: 2.307 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

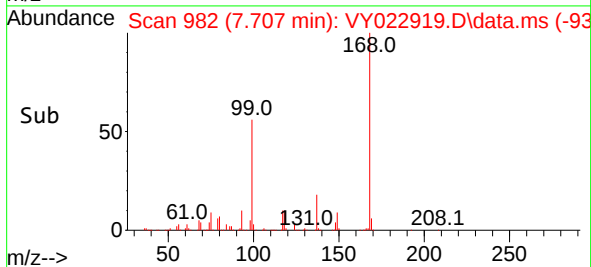
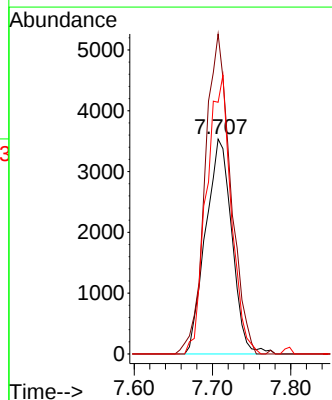
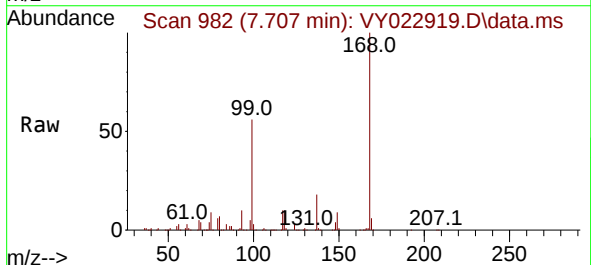
Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

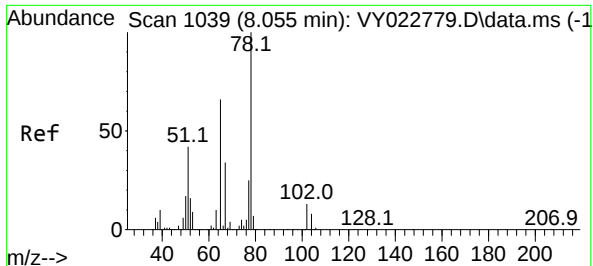
Tgt Ion:	84	Resp:	9519
Ion	Ratio	Lower	Upper
84	100		
49	130.7	101.9	152.9
51	37.3	29.8	44.8
86	62.2	51.3	76.9



#31
Cyclohexane
Concen: 1.388 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion:	56	Resp:	8242
Ion	Ratio	Lower	Upper
56	100		
69	148.9	27.0	40.6#
84	117.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 35.852 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022919.D

Acq: 02 Jul 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

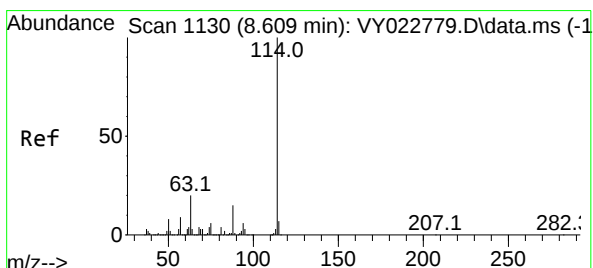
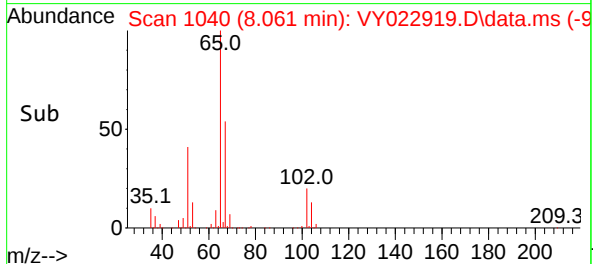
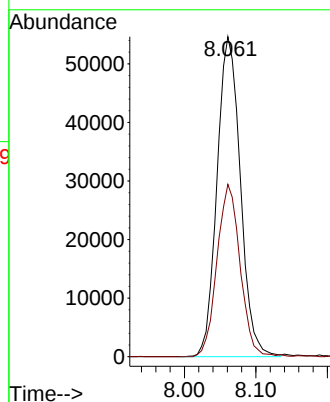
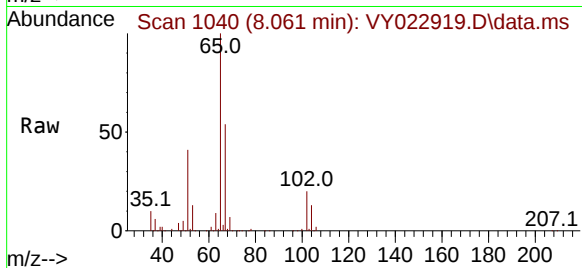
PIT#3

Tgt Ion: 65 Resp: 123951

Ion Ratio Lower Upper

65 100

67 53.3 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: VY022919.D

Acq: 02 Jul 2025 17:53

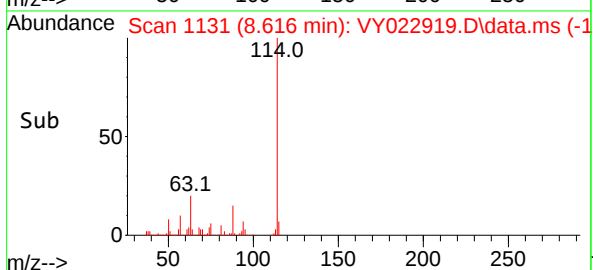
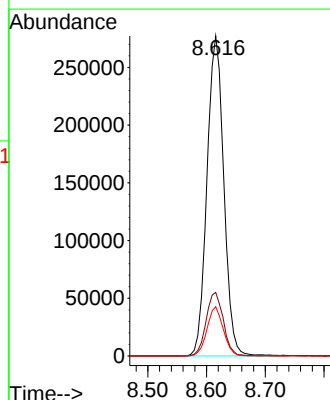
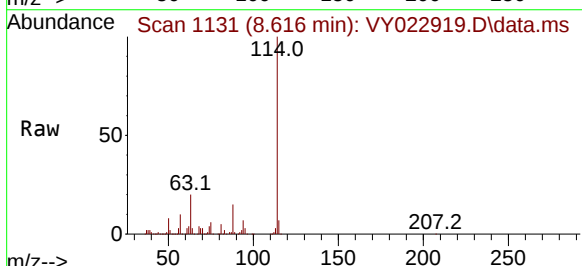
Tgt Ion:114 Resp: 551696

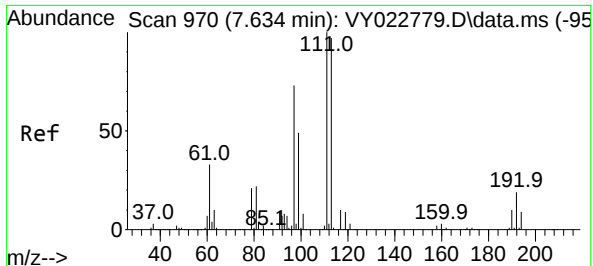
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 27.8

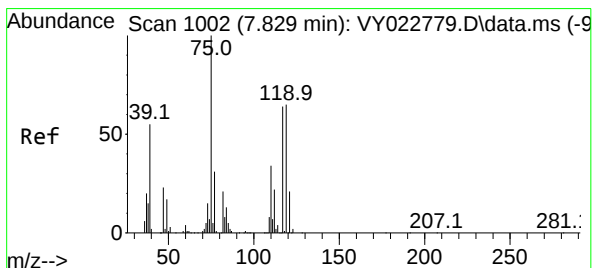
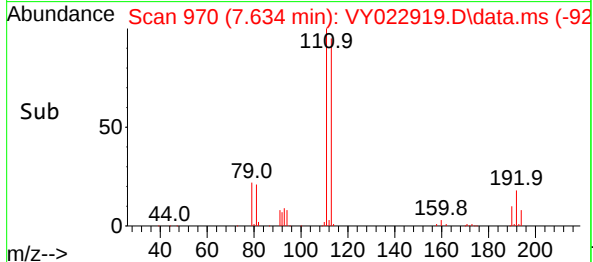
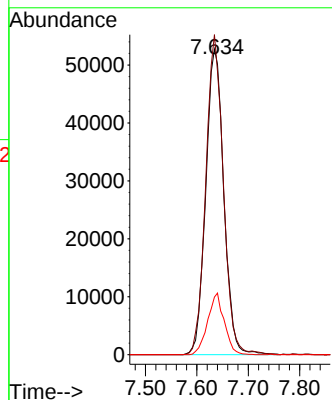
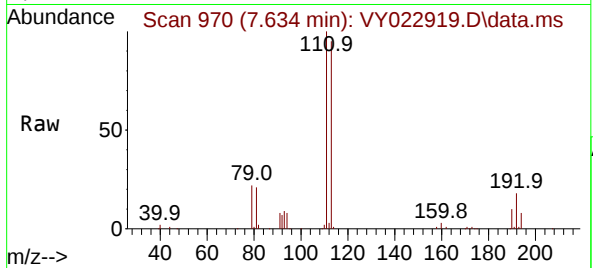




#35
Dibromofluoromethane
Concen: 38.246 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

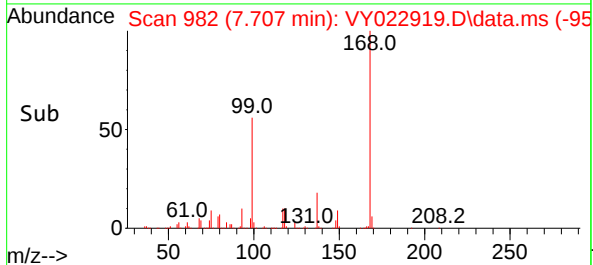
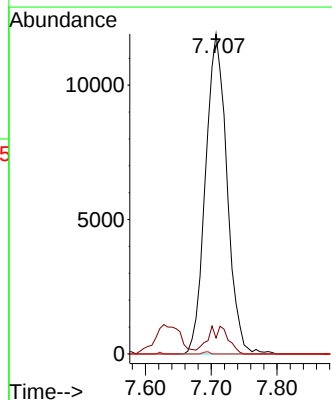
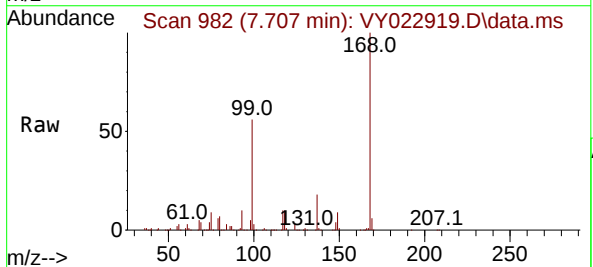
Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

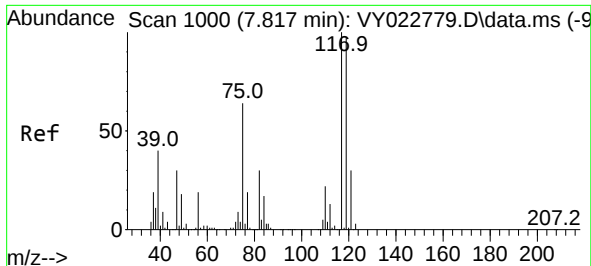
Tgt Ion:113 Resp: 128321
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 18.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.318 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 75 Resp: 27045
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.2 24.8 37.2#

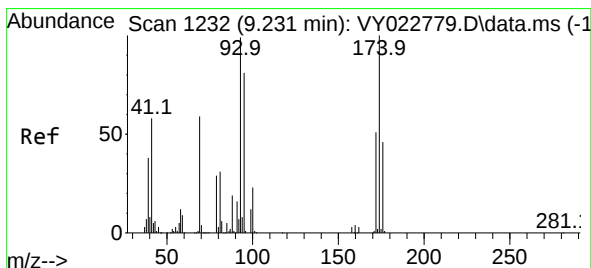
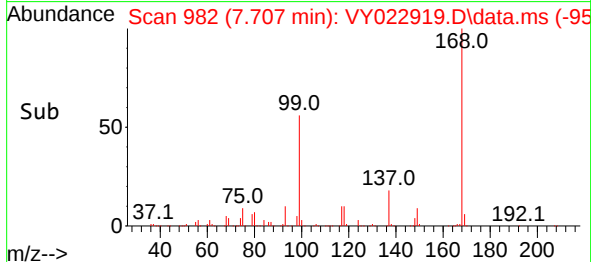
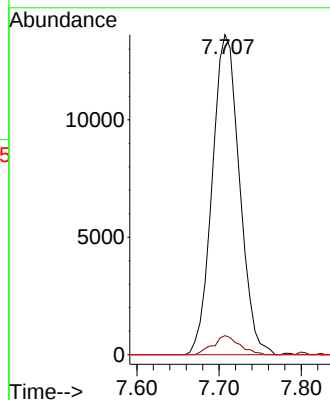
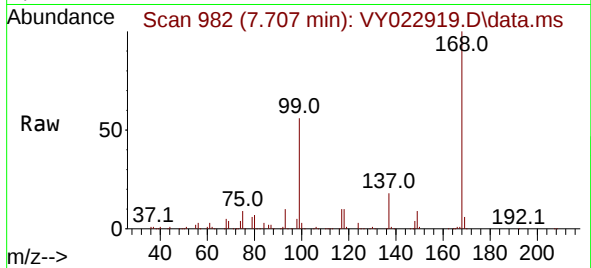




#38
Carbon Tetrachloride
Concen: 5.842 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

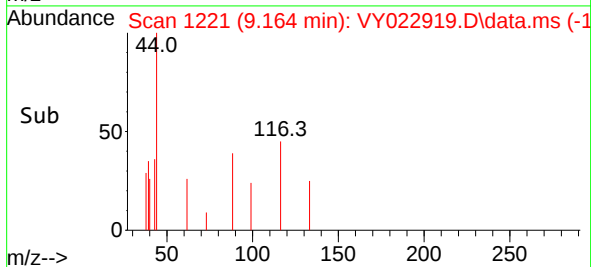
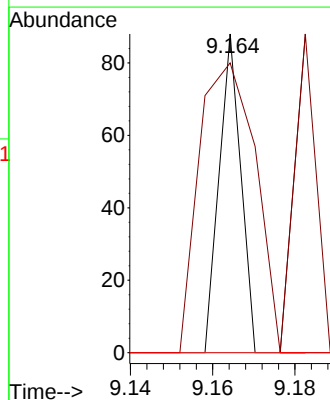
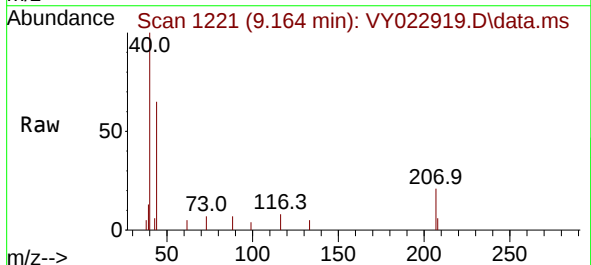
Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

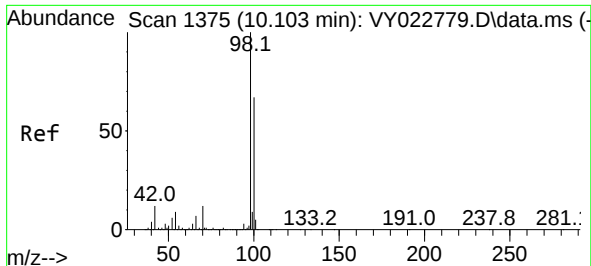
Tgt Ion:117 Resp: 31349
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.304 ug/l
RT: 9.164 min Scan# 1221
Delta R.T. -0.079 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 237.5 25.4 38.2#
58 0.0 54.9 82.3#

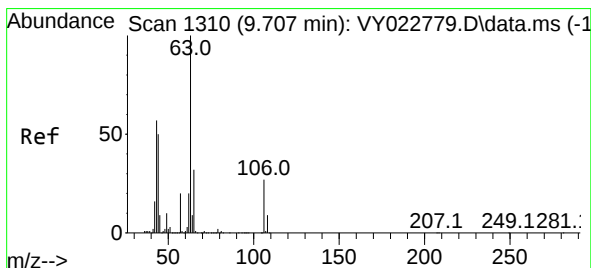
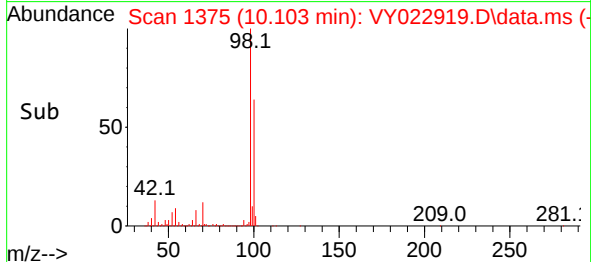
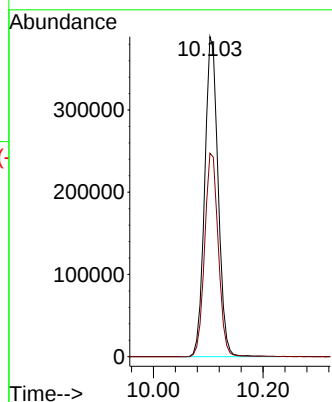
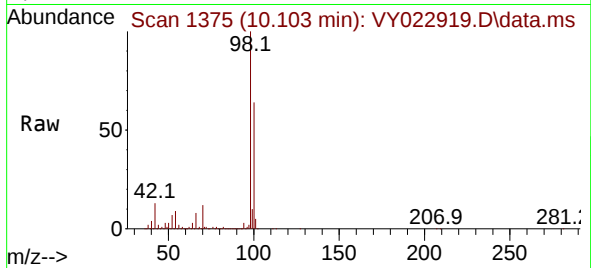




#50
Toluene-d8
Concen: 49.570 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

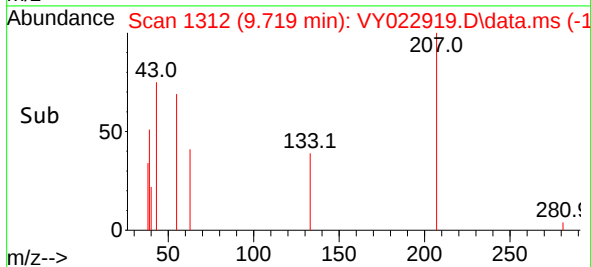
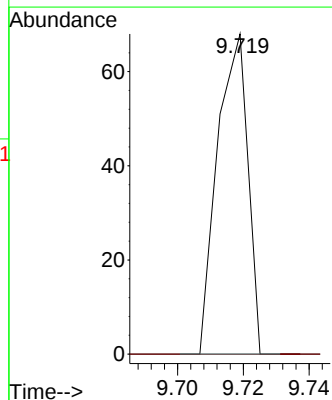
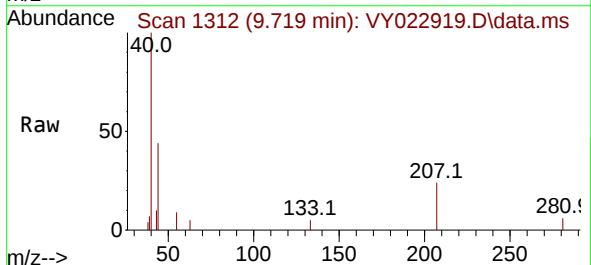
Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

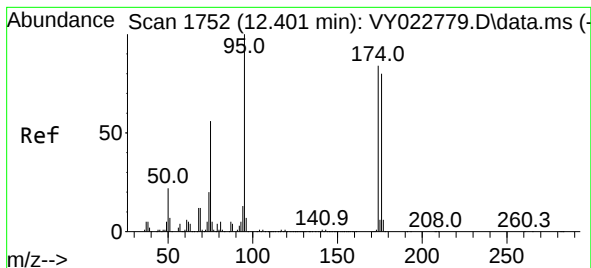
Tgt Ion: 98 Resp: 659965
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.677 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 63 Resp: 44
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

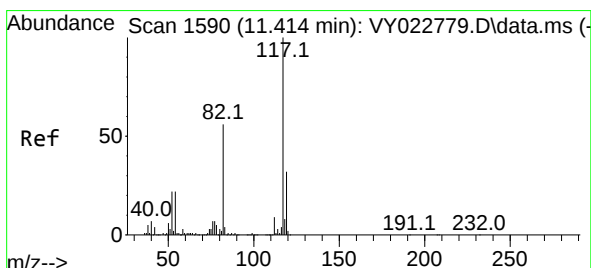
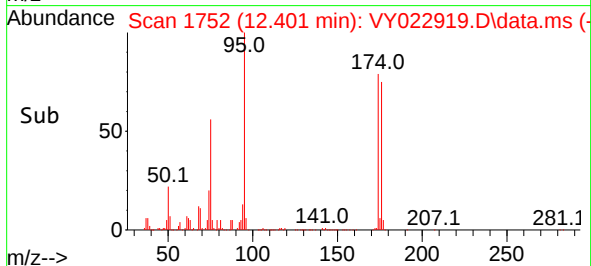
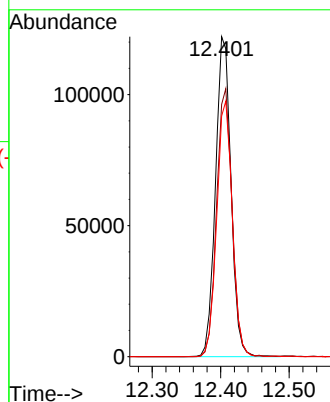
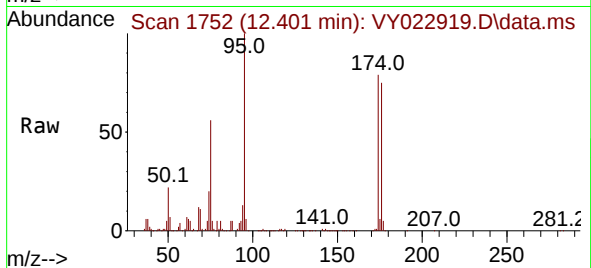




#62
4-Bromofluorobenzene
Concen: 44.628 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

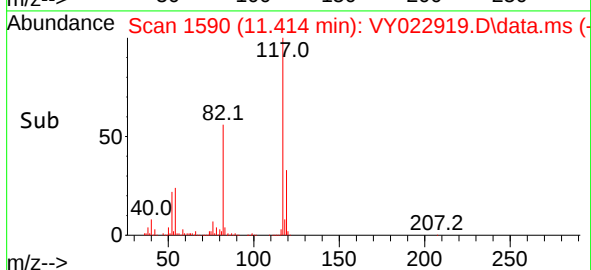
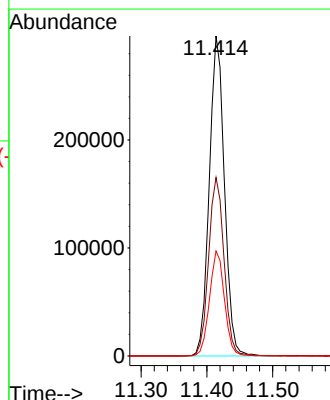
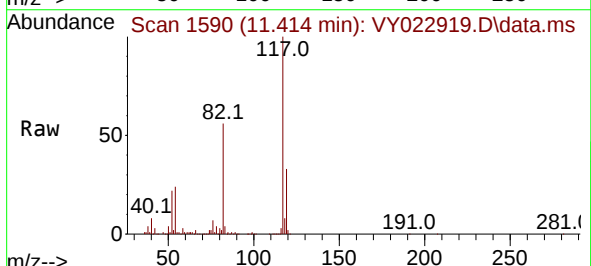
Instrument :
MSVOA_Y
ClientSampleId :
PIT#3

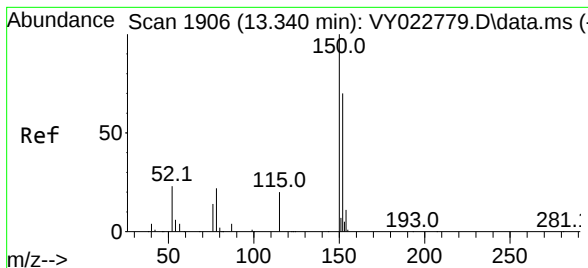
Tgt Ion: 95 Resp: 191004
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 80.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022919.D
Acq: 02 Jul 2025 17:53

Tgt Ion: 117 Resp: 475549
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 32.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022919.D

Acq: 02 Jul 2025 17:53

Instrument :

MSVOA_Y

ClientSampleId :

PIT#3

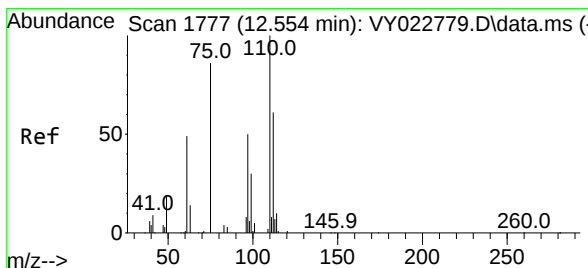
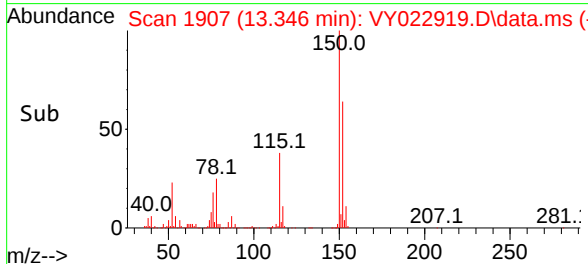
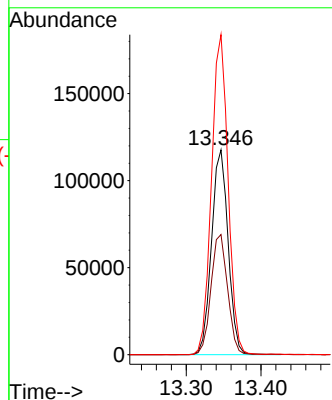
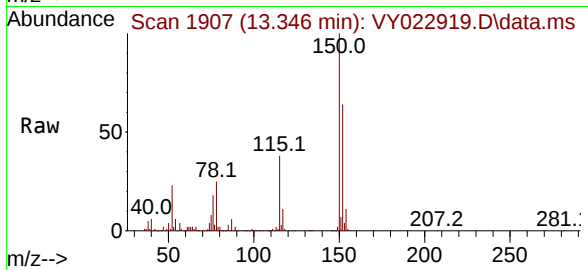
Tgt Ion:152 Resp: 181660

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 155.6 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 57.017 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022919.D

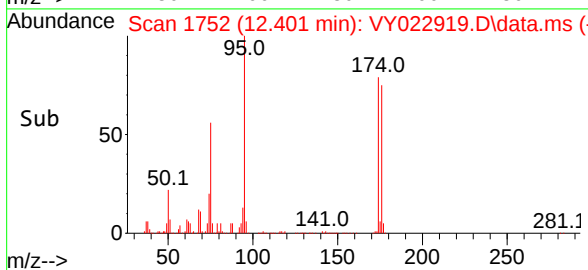
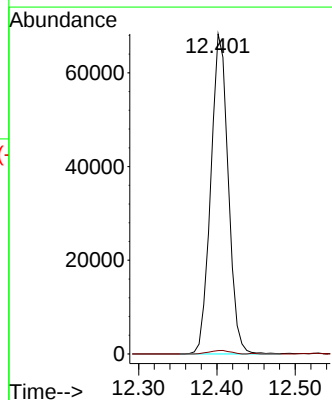
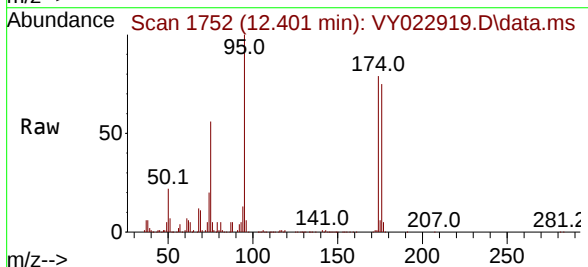
Acq: 02 Jul 2025 17:53

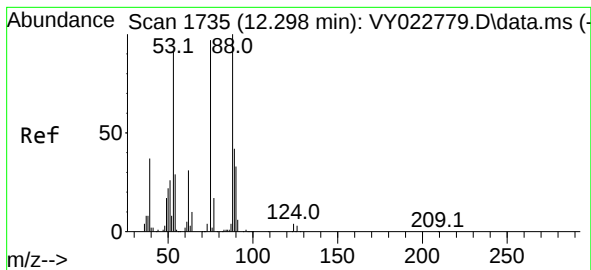
Tgt Ion: 75 Resp: 105743

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.047 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022919.D
 Acq: 02 Jul 2025 17:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#3

Tgt Ion: 75 Resp: 105743
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

