

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022529.D
 Acq On : 03 Jun 2025 17:45
 Operator : SY/MD
 Sample : Q2176-04
 Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-26

Quant Time: Jun 04 04:16:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

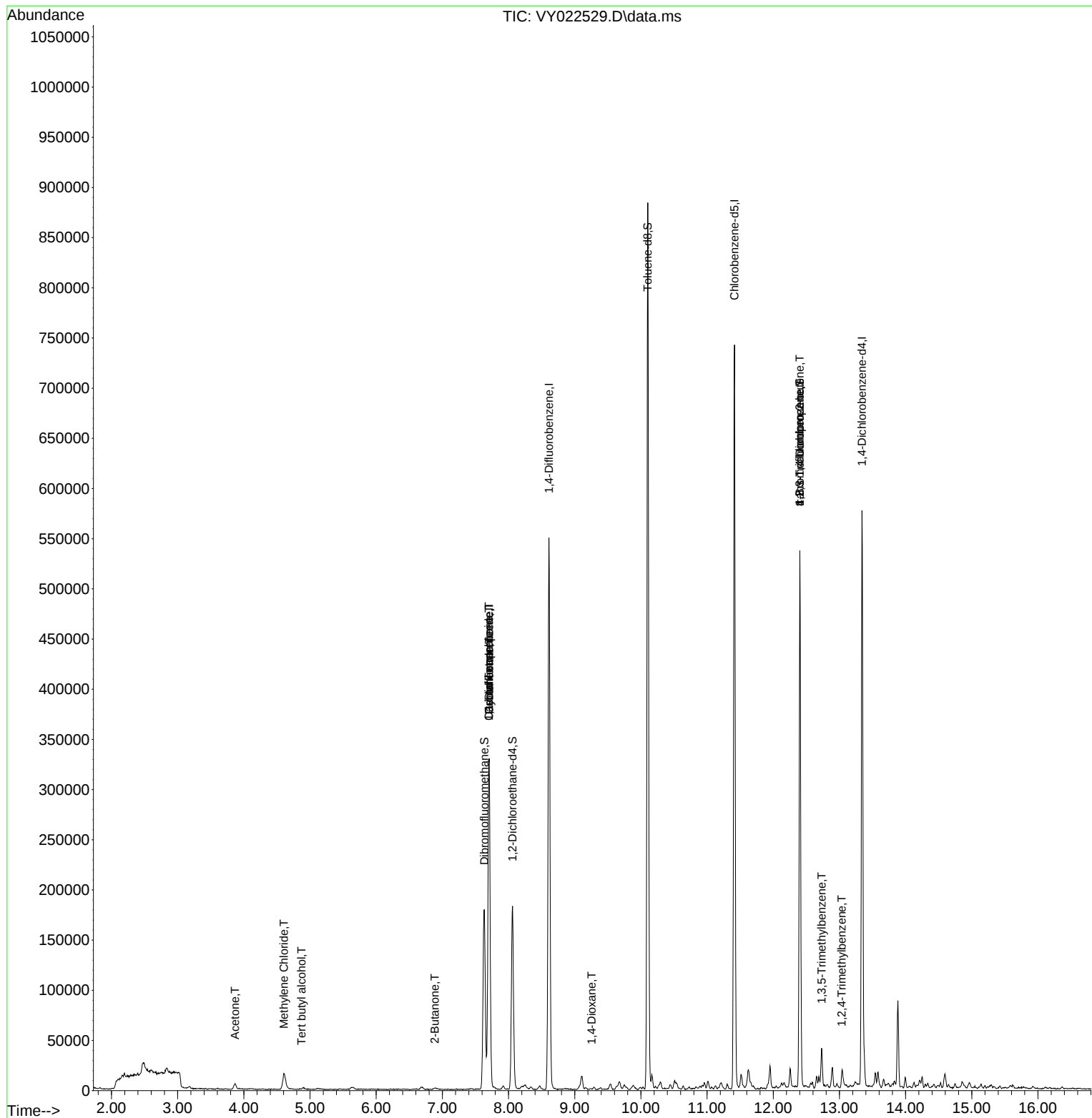
Internal Standards						
1) Pentafluorobenzene	7.707	168	245298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	450434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	132285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136701	49.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.660%		
35) Dibromofluoromethane	7.634	113	125476	46.671	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.340%		
50) Toluene-d8	10.103	98	540372	49.742	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.480%		
62) 4-Bromofluorobenzene	12.402	95	139475	43.091	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.180%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	351	1.791	ug/l #	73
16) Acetone	3.867	43	8632	15.493	ug/l #	86
20) Methylene Chloride	4.604	84	10957	3.462	ug/l	92
25) 2-Butanone	6.884	43	814	1.013	ug/l #	46
31) Cyclohexane	7.707	56	8261	1.567	ug/l #	48
36) 1,1-Dichloropropene	7.701	75	21226	4.864	ug/l #	50
38) Carbon Tetrachloride	7.701	117	24539	5.482	ug/l #	17
49) 1,4-Dioxane	9.256	88	25	1.231	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	83028	54.862	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.731	105	14508	1.702	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.402	75	83028	132.489	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.036	105	9441	1.107	ug/l	92

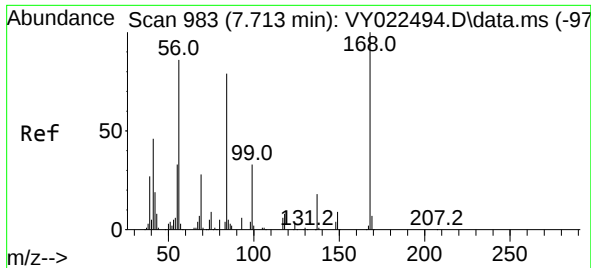
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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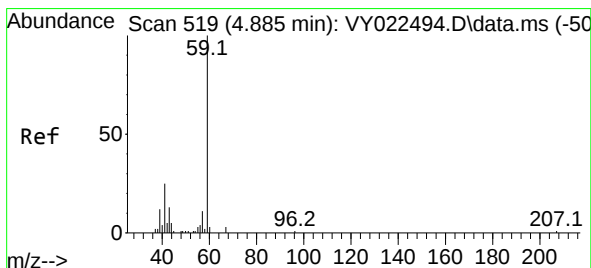
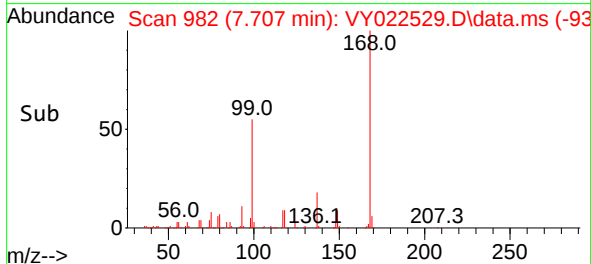
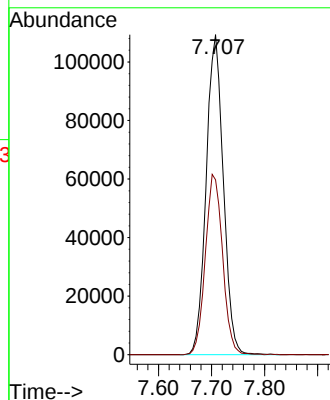
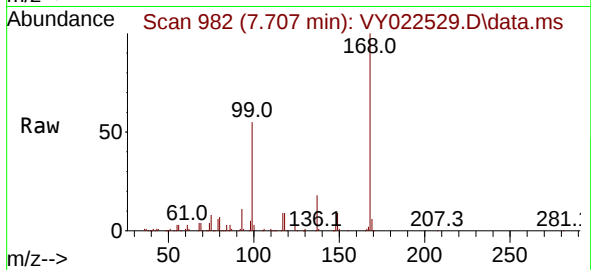




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

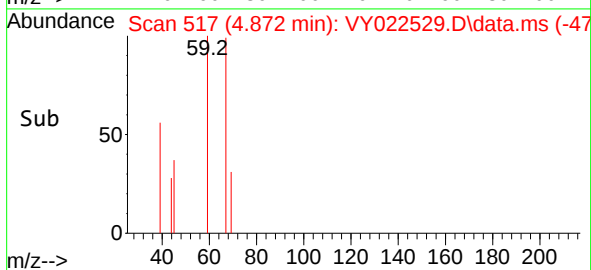
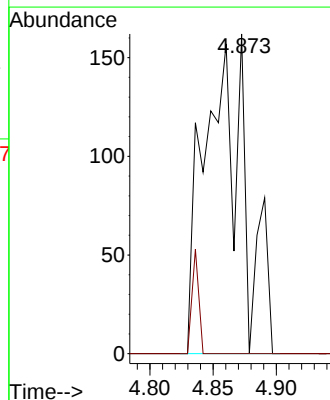
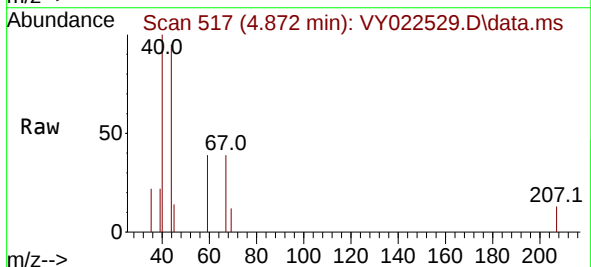
Instrument :
MSVOA_Y
ClientSampleId :
TP-26

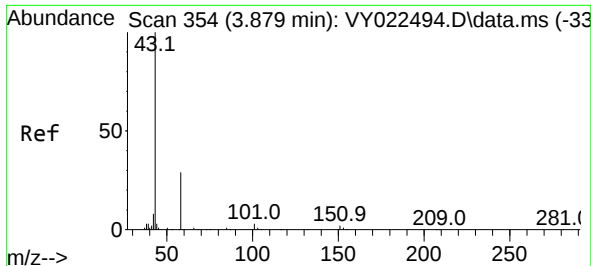
Tgt Ion:168 Resp: 245298
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.791 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

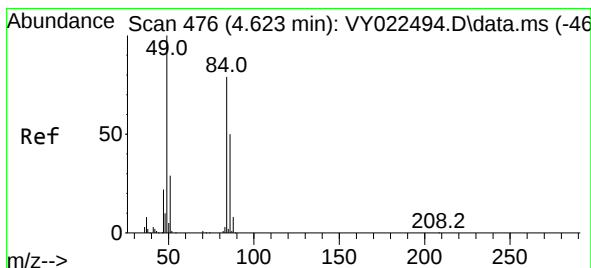
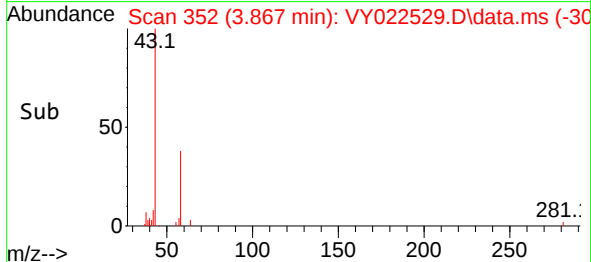
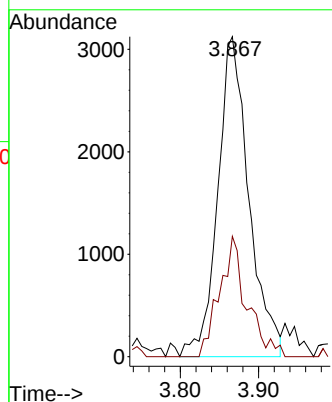
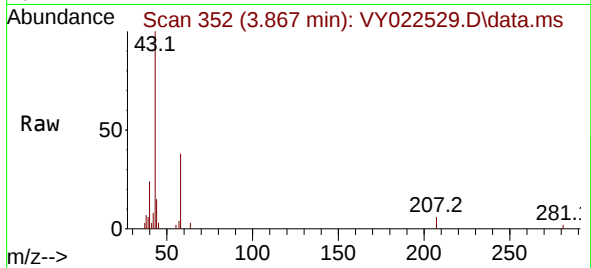




#16
Acetone
Concen: 15.493 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

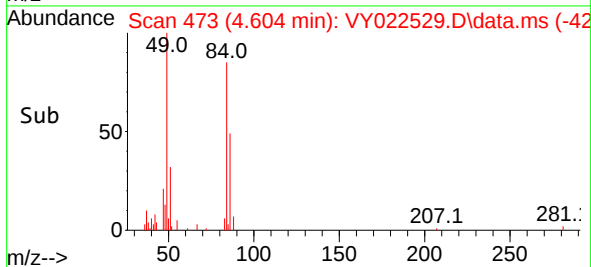
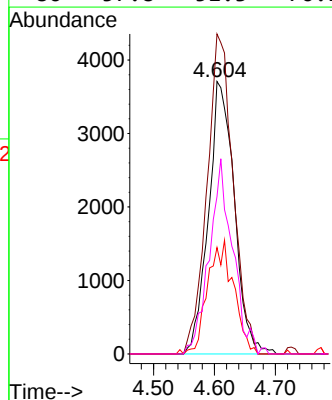
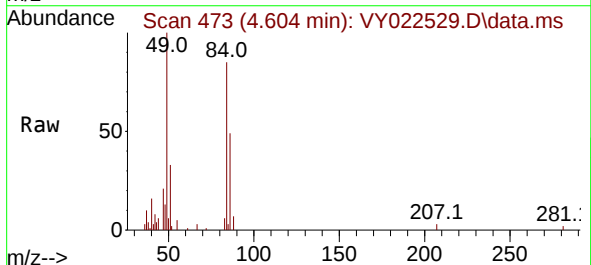
Instrument :
MSVOA_Y
ClientSampleId :
TP-26

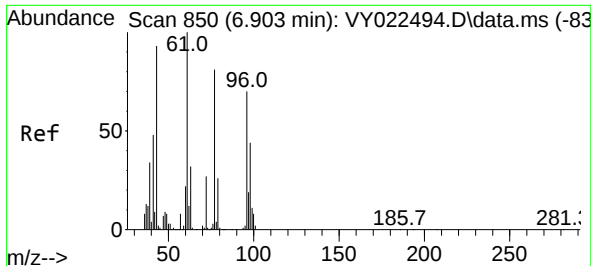
Tgt Ion: 43 Resp: 8632
Ion Ratio Lower Upper
43 100
58 37.6 24.0 36.0#



#20
Methylene Chloride
Concen: 3.462 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 84 Resp: 10957
Ion Ratio Lower Upper
84 100
49 117.4 101.9 152.9
51 39.0 29.8 44.8
86 57.8 51.3 76.9

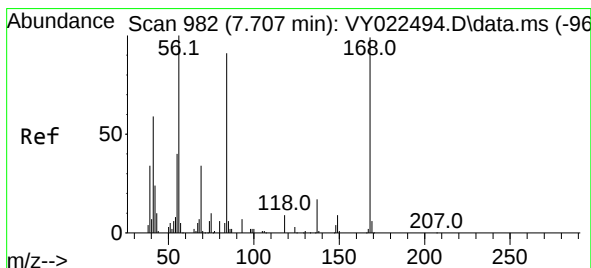
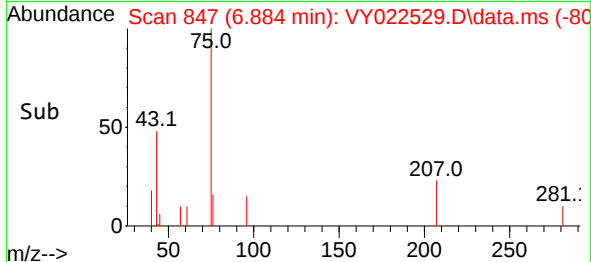
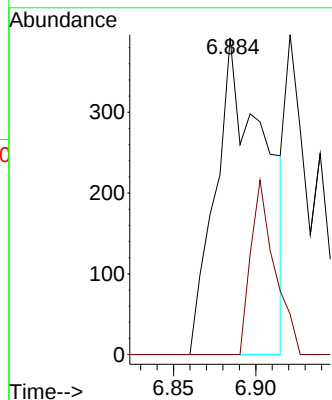
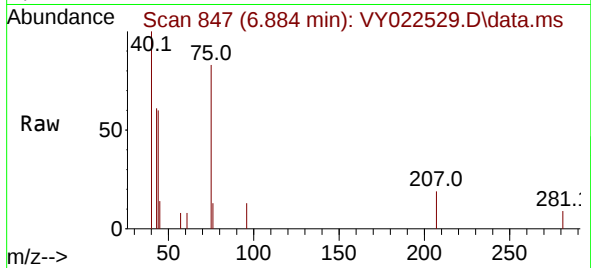




#25
2-Butanone
Concen: 1.013 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.018 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

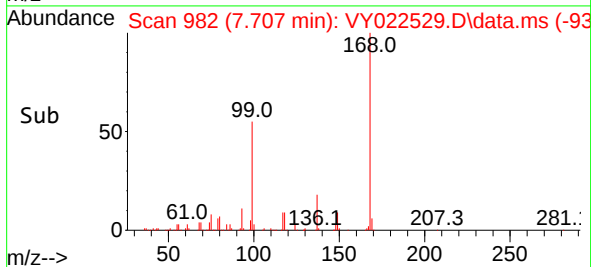
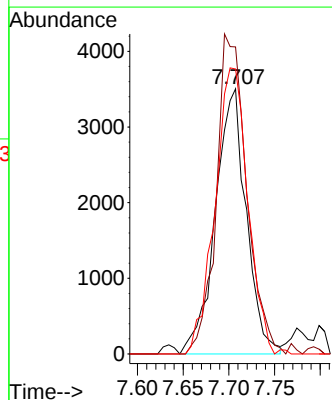
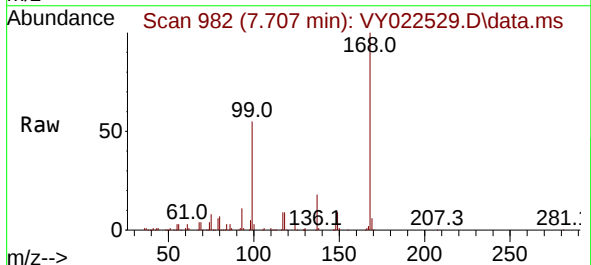
Instrument :
MSVOA_Y
ClientSampleId :
TP-26

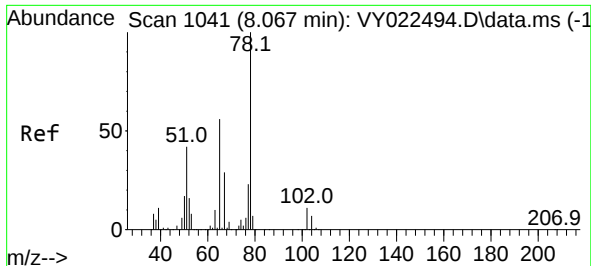
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.567 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 56 Resp: 8261
Ion Ratio Lower Upper
56 100
69 115.8 27.0 40.6#
84 107.4 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 49.827 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

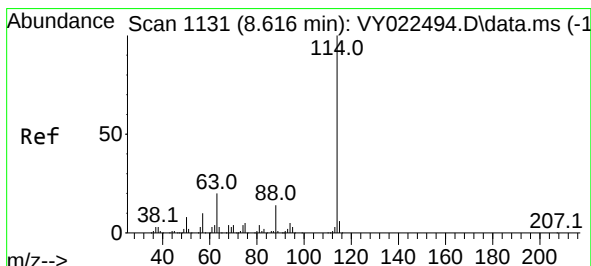
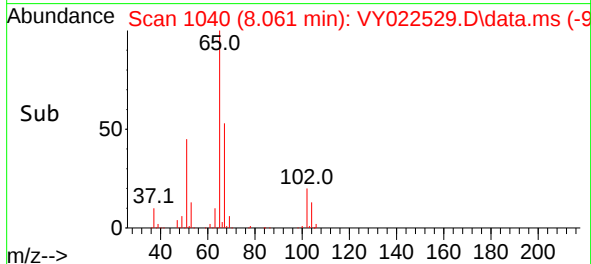
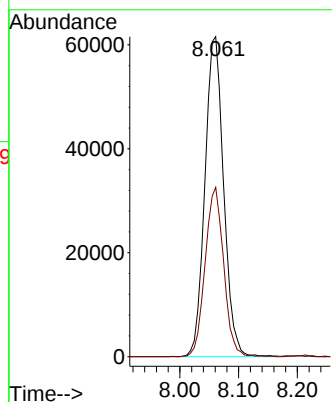
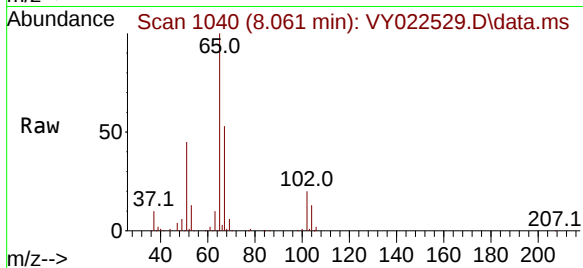
TP-26

Tgt Ion: 65 Resp: 136701

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

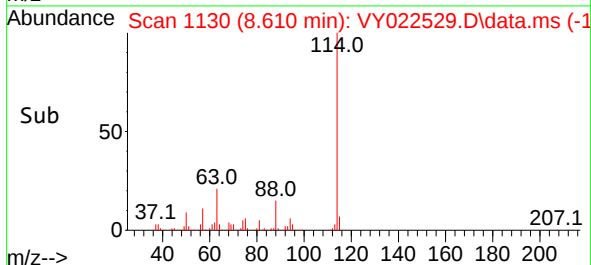
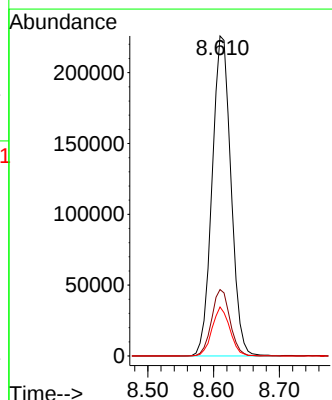
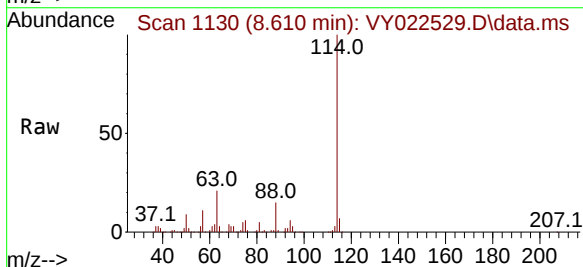
Tgt Ion: 114 Resp: 450434

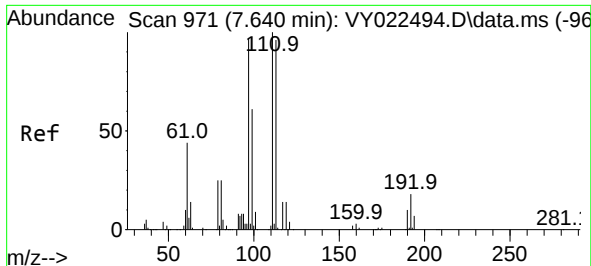
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.3 0.0 27.8

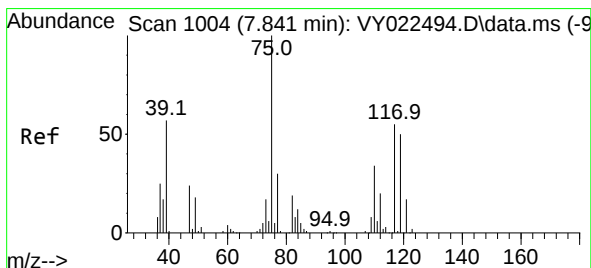
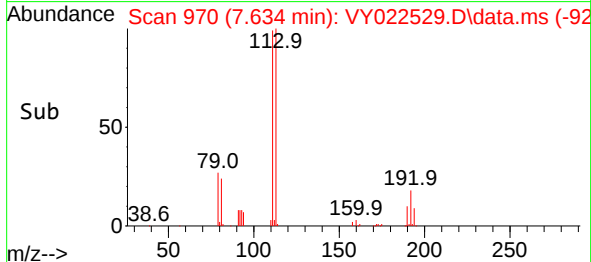
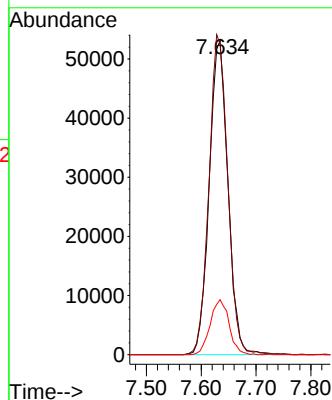
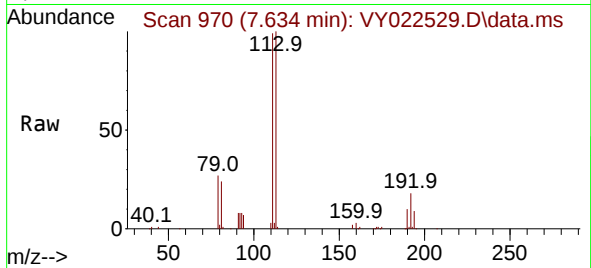




#35
Dibromofluoromethane
Concen: 46.671 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

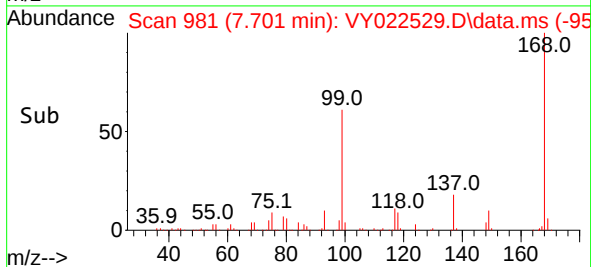
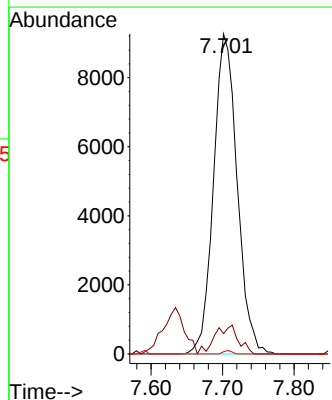
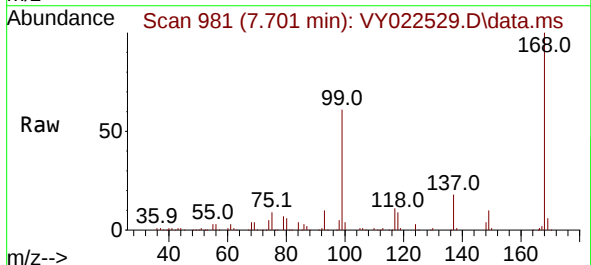
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ClientSampleId :
TP-26

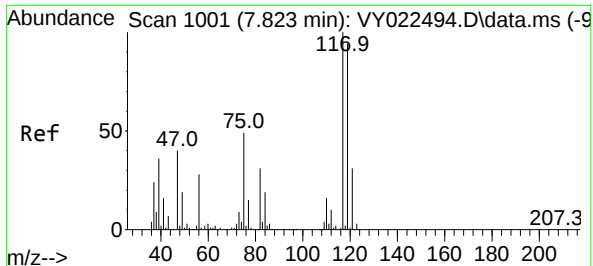
Tgt Ion:113 Resp: 125476
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 17.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.864 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 75 Resp: 21226
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.4 24.8 37.2#

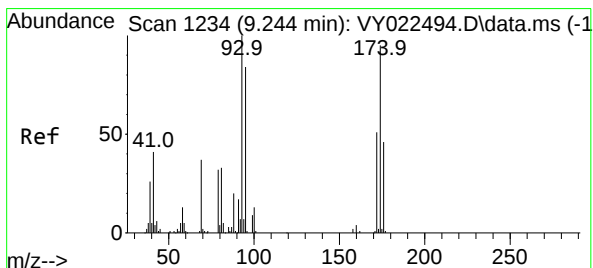
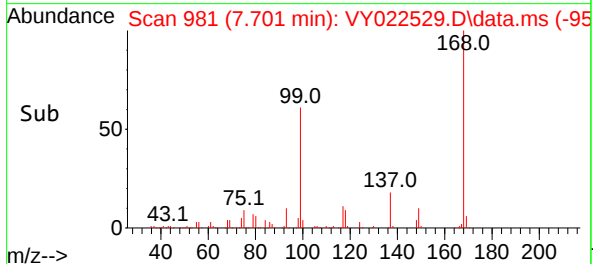
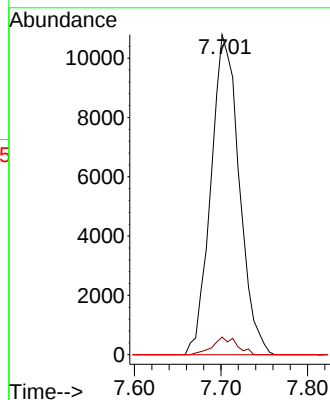
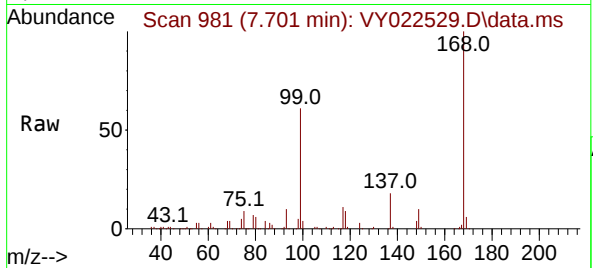




#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

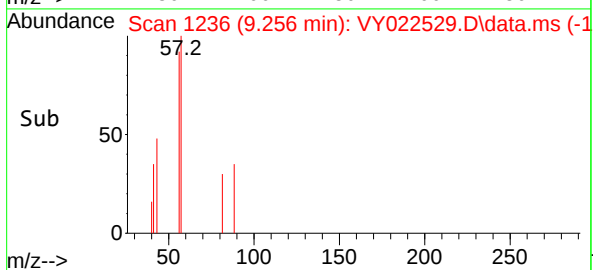
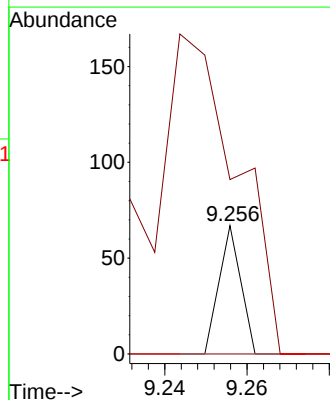
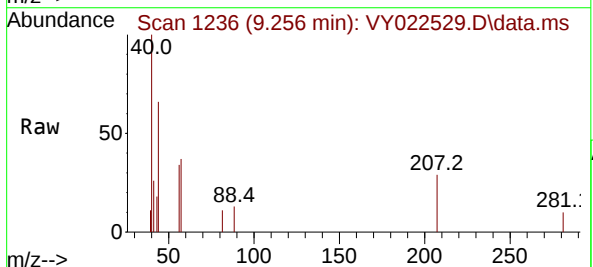
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TP-26

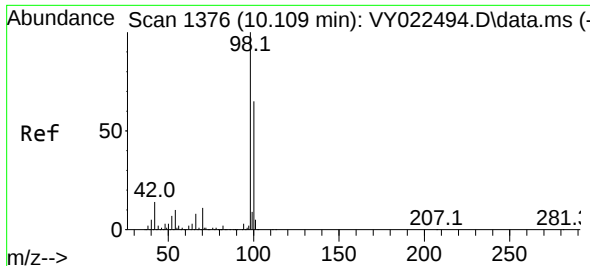
Tgt Ion:117 Resp: 24539
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.231 ug/l
RT: 9.256 min Scan# 1236
Delta R.T. 0.012 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 1212.0 25.4 38.2#
58 0.0 54.9 82.3#

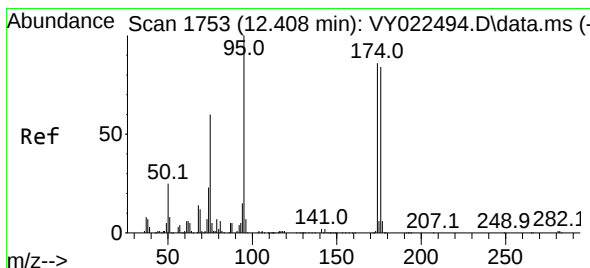
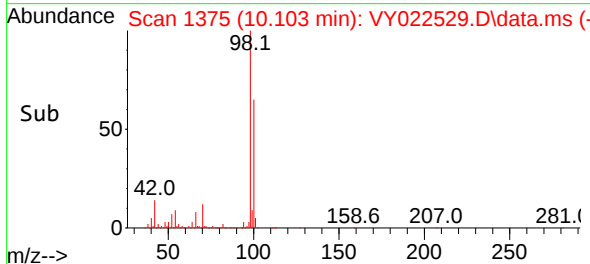
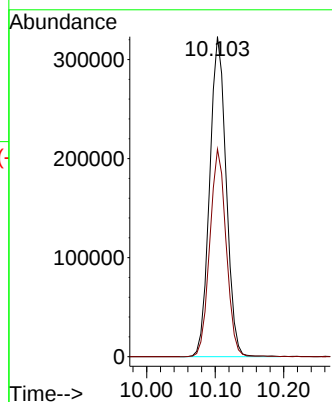
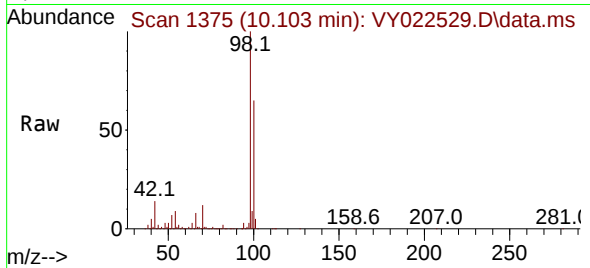




#50
Toluene-d8
Concen: 49.742 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

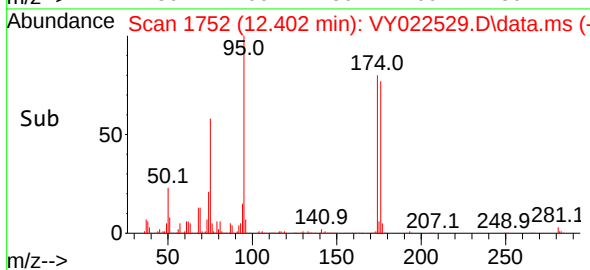
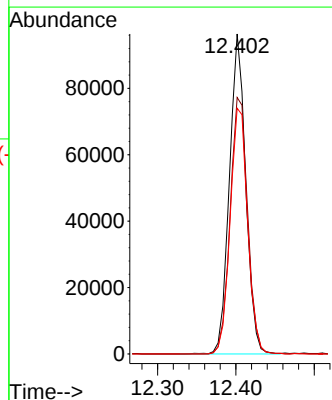
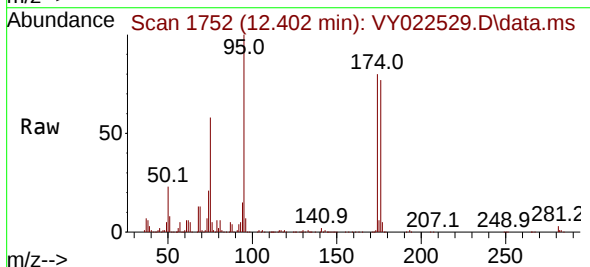
Instrument :
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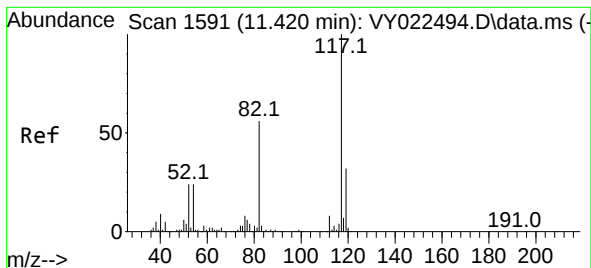
Tgt Ion: 98 Resp: 540372
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.091 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 95 Resp: 139475
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.0
176 82.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-26

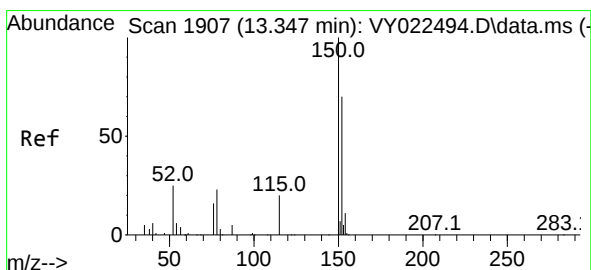
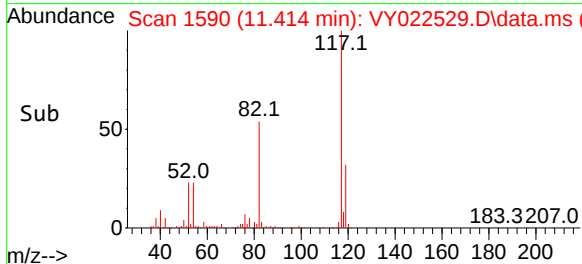
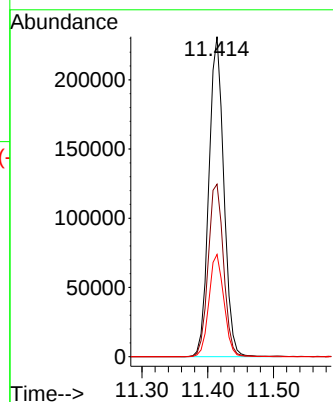
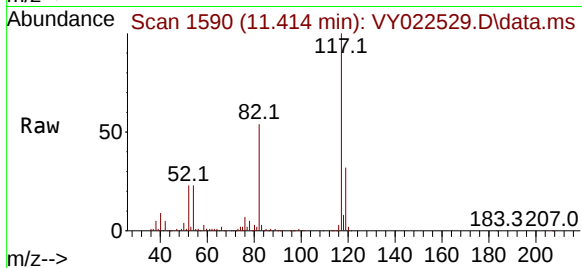
Tgt Ion:117 Resp: 364784

Ion Ratio Lower Upper

117 100

82 53.9 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

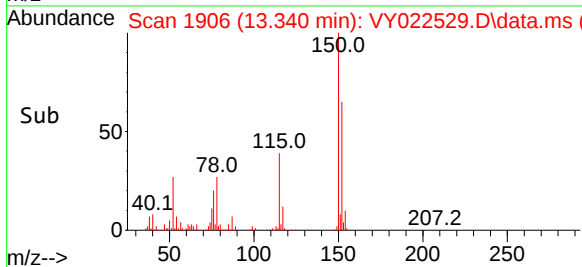
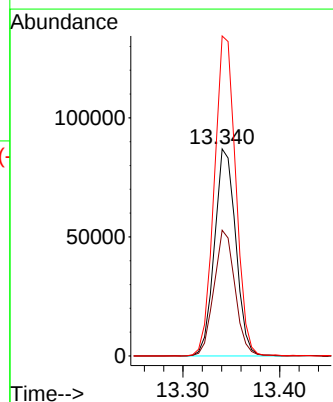
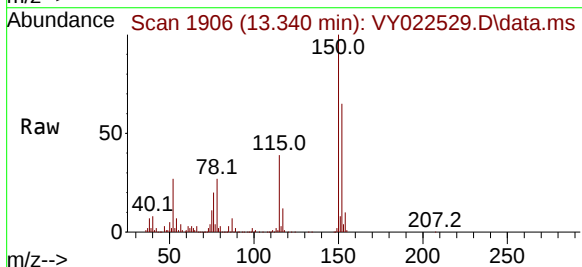
Tgt Ion:152 Resp: 132285

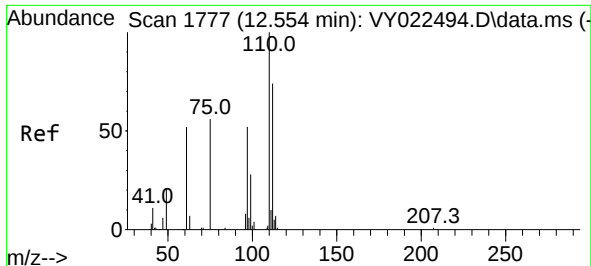
Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 156.3 0.0 349.6

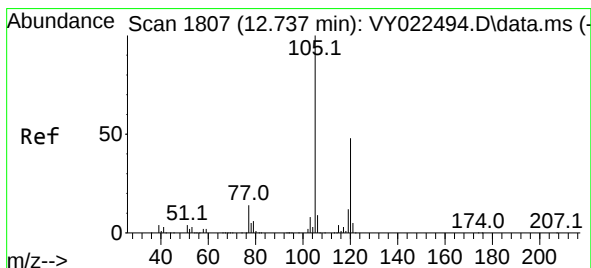
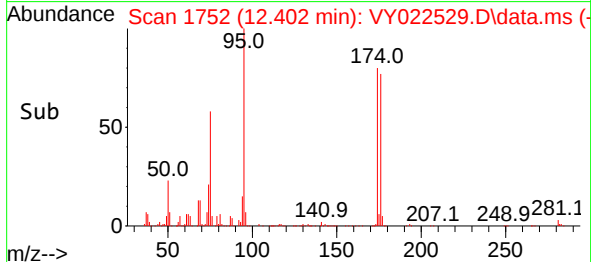
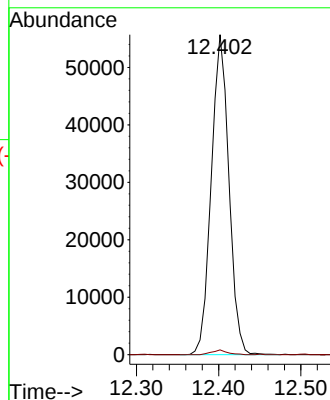
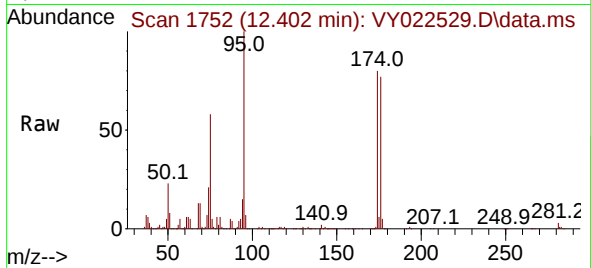




#76
1,2,3-Trichloropropane
Concen: 54.862 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

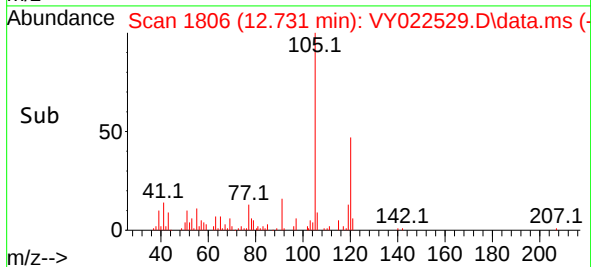
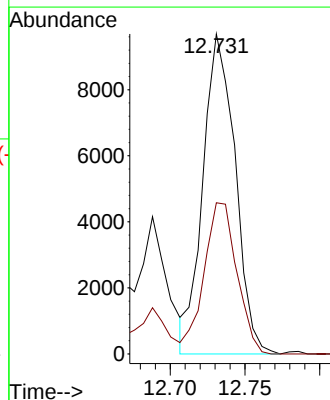
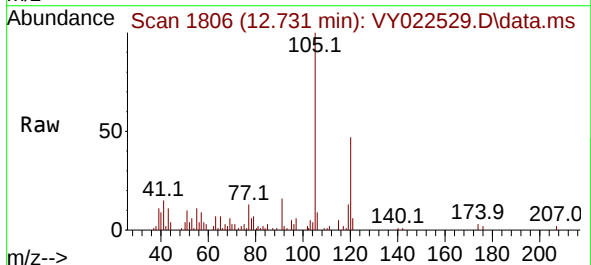
Instrument :
MSVOA_Y
ClientSampleId :
TP-26

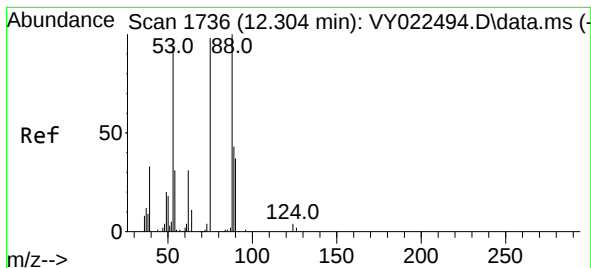
Tgt Ion: 75 Resp: 83028
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.702 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 105 Resp: 14508
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.4

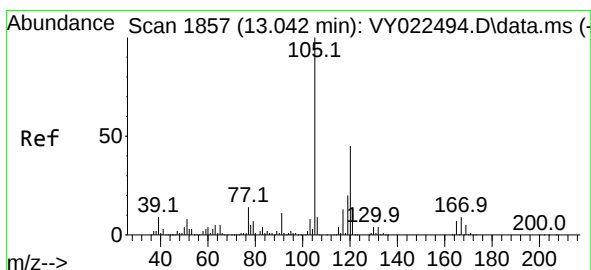
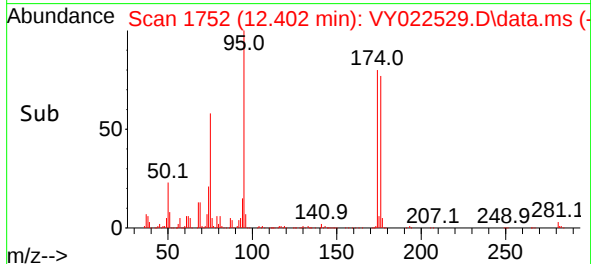
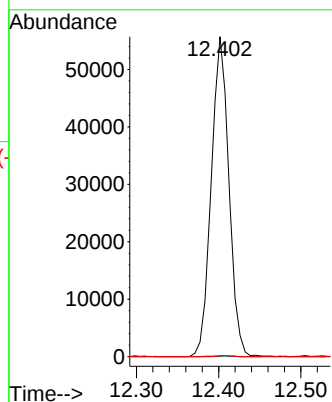
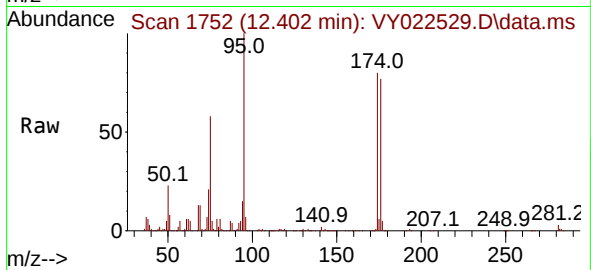




#81
trans-1,4-Dichloro-2-butene
Concen: 132.489 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Tgt Ion: 75 Resp: 83028
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.3 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.107 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 105 Resp: 9441
Ion Ratio Lower Upper
105 100
120 40.4 22.7 68.1

