

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023167.D
 Acq On : 20 Aug 2025 11:50
 Operator : SY/MD
 Sample : Q2879-05
 Misc : 3.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 15:23:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

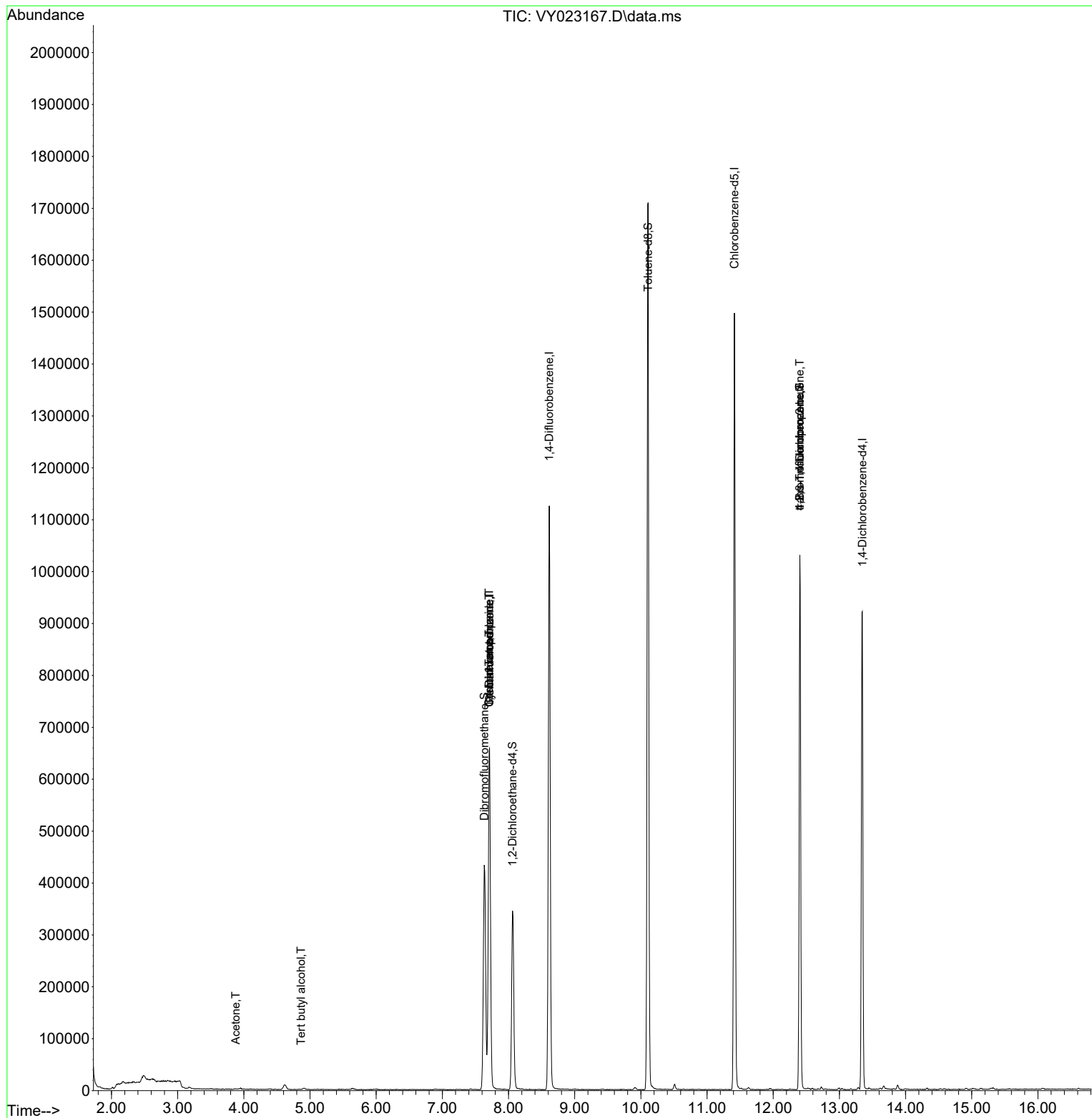
Internal Standards						
1) Pentafluorobenzene	7.713	168	530041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	976268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	789979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	241273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	274369	54.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.620%	
35) Dibromofluoromethane	7.634	113	317272	54.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.620%	
50) Toluene-d8	10.109	98	1143416	50.104	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.200%	
62) 4-Bromofluorobenzene	12.401	95	308680	42.059	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.120%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	590	1.705	ug/l #	71
16) Acetone	3.879	43	1452	1.327	ug/l	97
20) Methylene Chloride	4.628	84	6947	Below Cal	#	84
31) Cyclohexane	7.707	56	10799	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	40554	4.671	ug/l #	49
38) Carbon Tetrachloride	7.707	117	52077	5.523	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	160974	69.131	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	160974	167.344	ug/l #	14

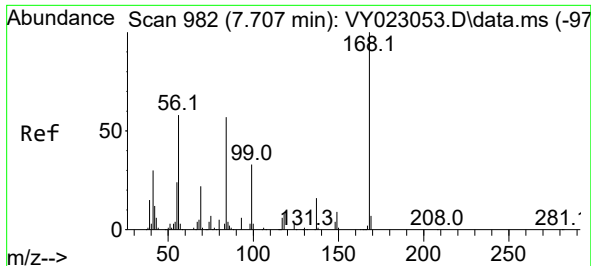
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 15:23:26 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

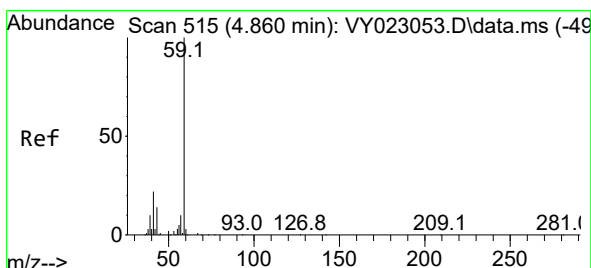
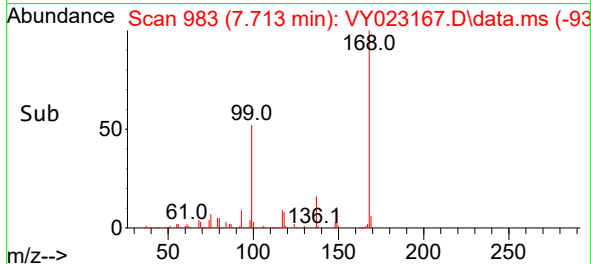
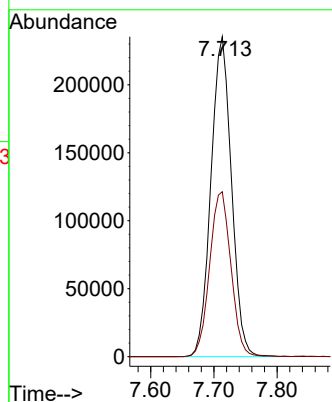
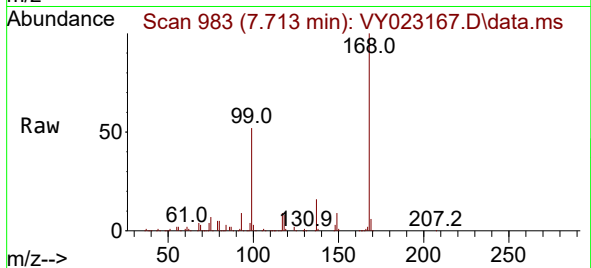




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

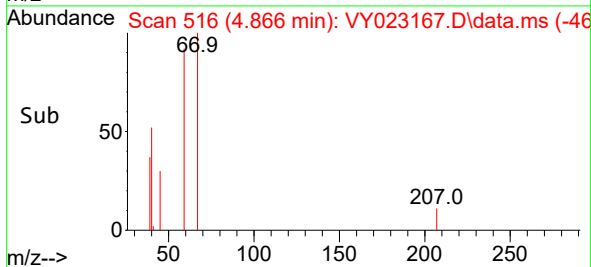
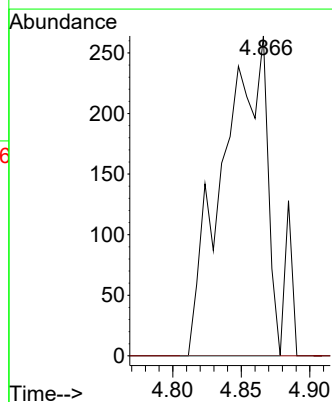
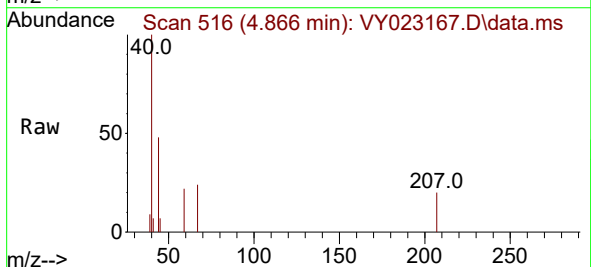
Instrument :
MSVOA_Y
ClientSampleId :

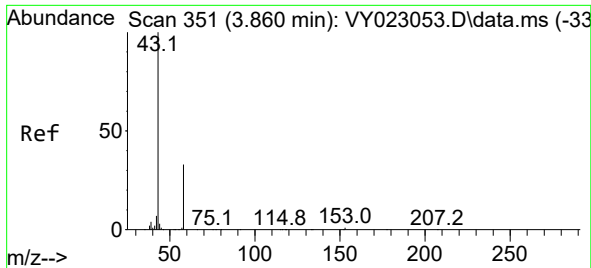
Tgt Ion:168 Resp: 530041
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.705 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

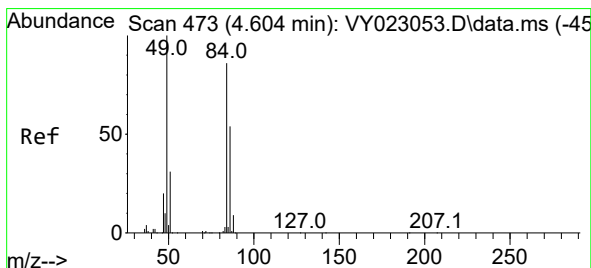
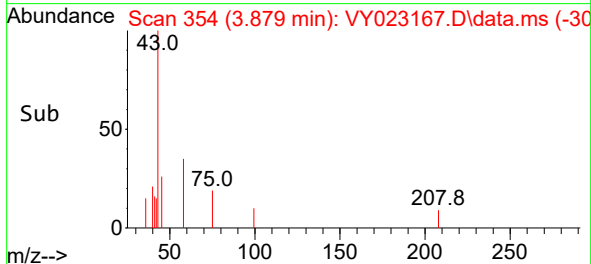
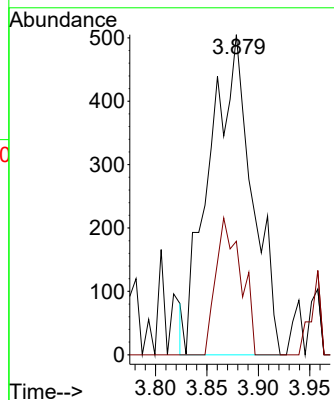
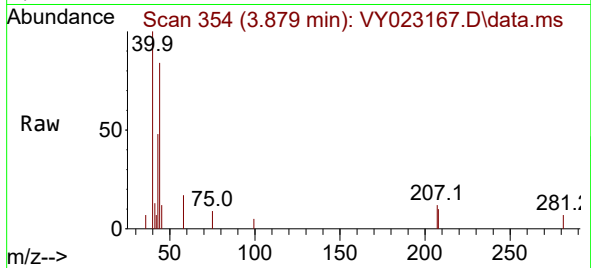




#16
Acetone
Concen: 1.327 ug/l
RT: 3.879 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

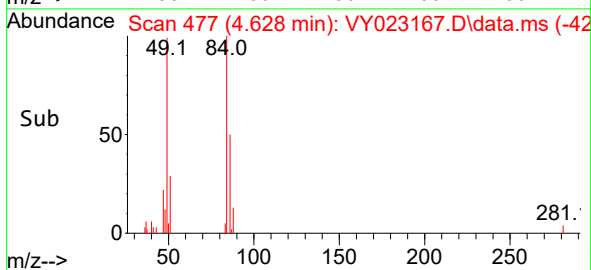
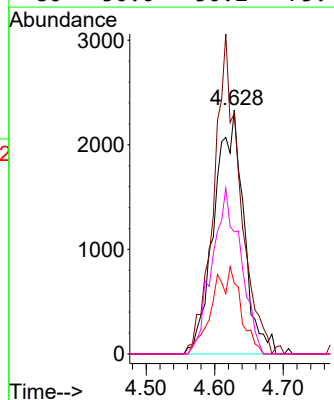
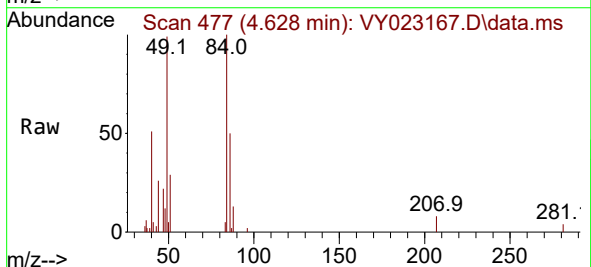
Instrument :
MSVOA_Y
ClientSampleId :

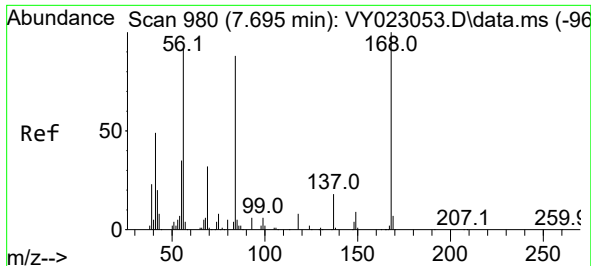
Tgt Ion: 43 Resp: 1452
Ion Ratio Lower Upper
43 100
58 35.4 27.1 40.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.628 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion: 84 Resp: 6947
Ion Ratio Lower Upper
84 100
49 98.5 93.0 139.6
51 29.0 29.0 43.4
86 50.0 50.2 75.4#

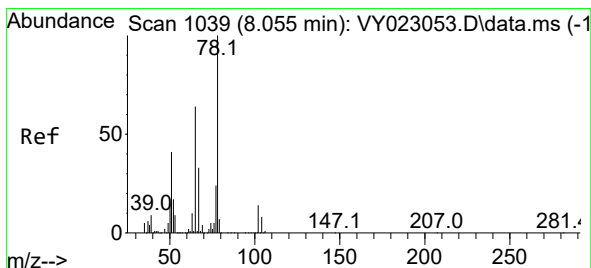
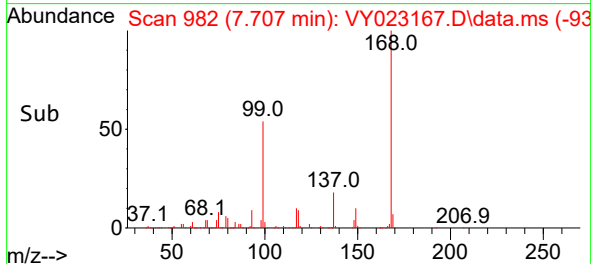
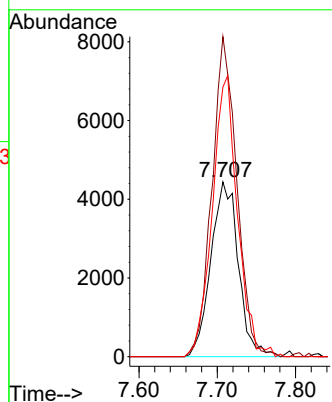
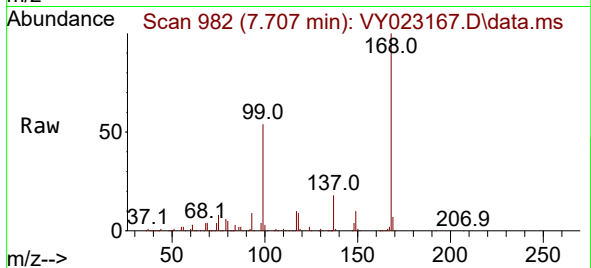




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

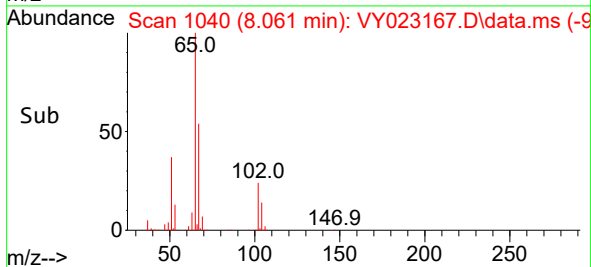
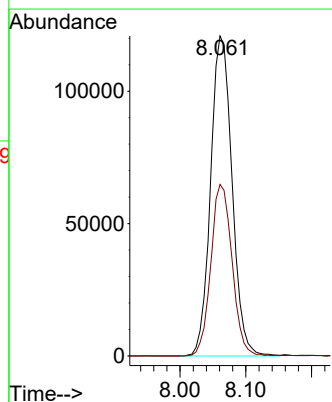
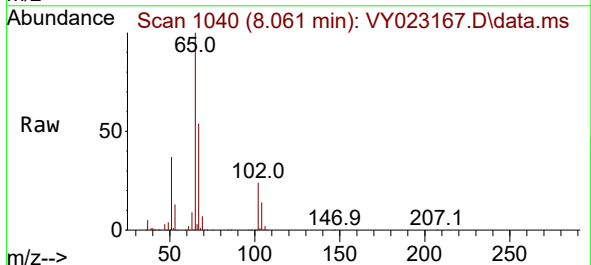
Instrument :
MSVOA_Y
ClientSampleId :

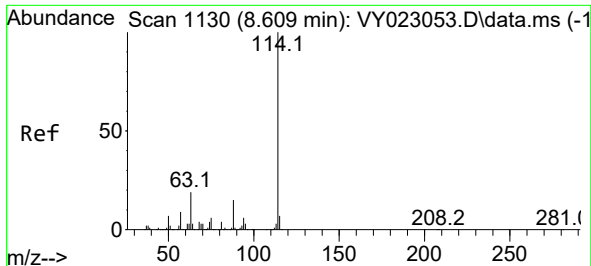
Tgt Ion: 56 Resp: 10799
Ion Ratio Lower Upper
56 100
69 183.2 28.2 42.2#
84 154.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 54.313 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion: 65 Resp: 274369
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

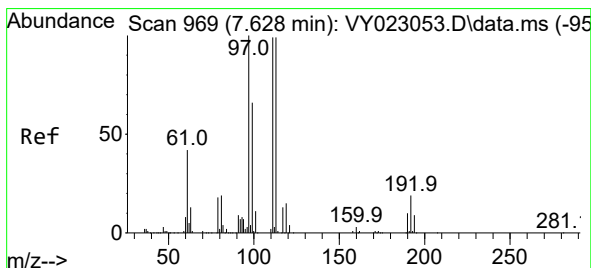
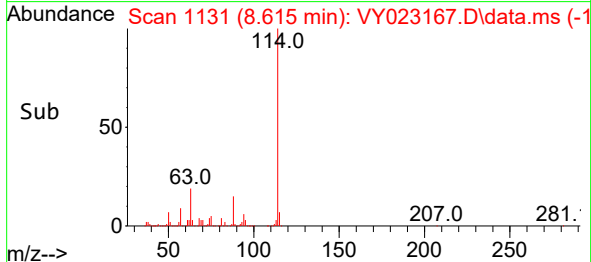
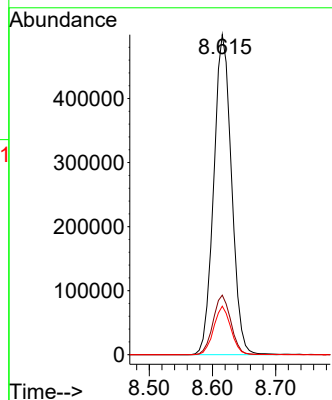
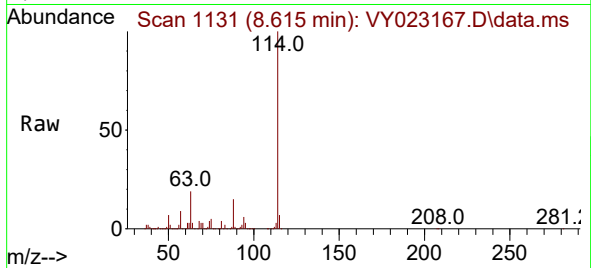




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

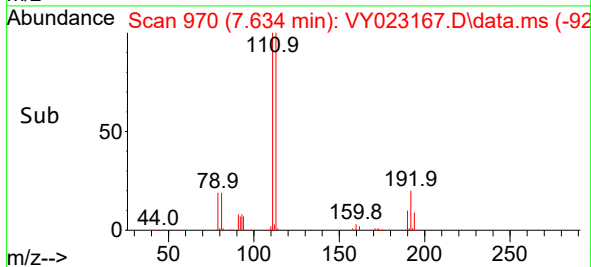
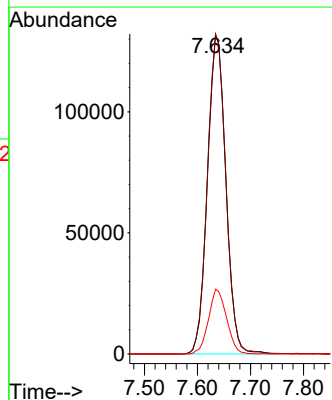
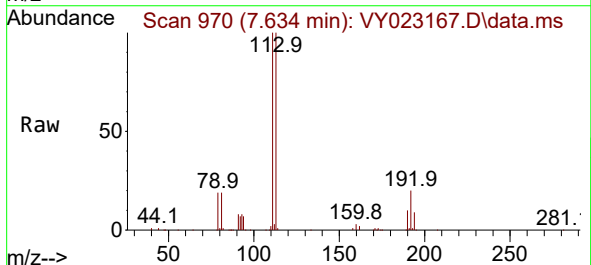
Instrument :
MSVOA_Y
ClientSampleId :

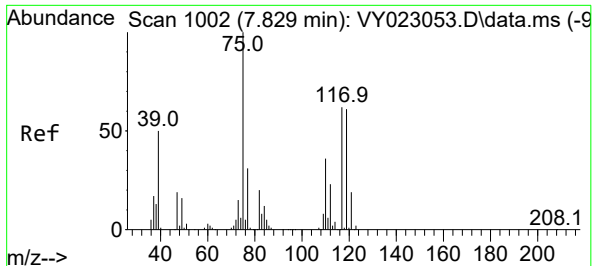
Tgt Ion:114 Resp: 976268
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 15.2 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.312 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion:113 Resp: 317272
Ion Ratio Lower Upper
113 100
111 100.8 81.1 121.7
192 19.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023167.D

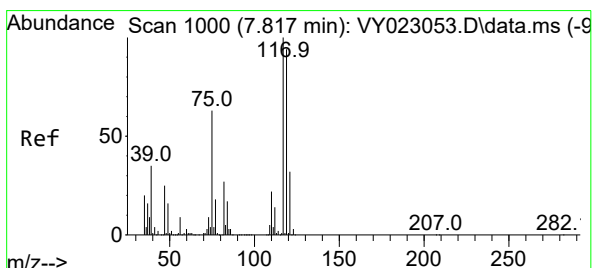
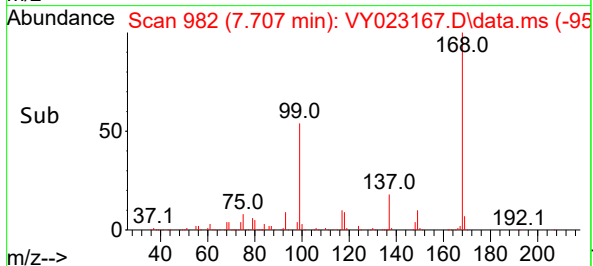
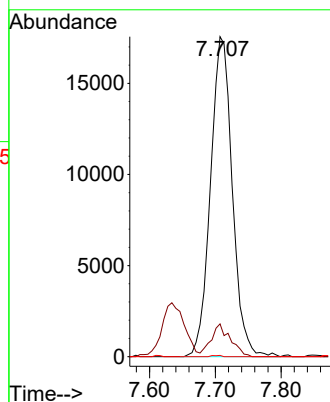
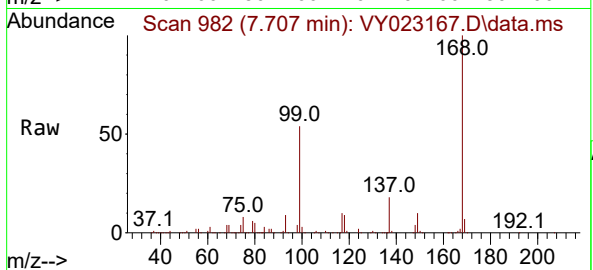
Acq: 20 Aug 2025 11:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 40554
Ion Ratio	Lower Upper
75	100
110	9.1 18.1 54.4#
77	0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.523 ug/l

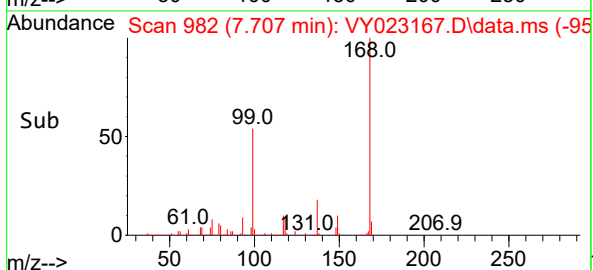
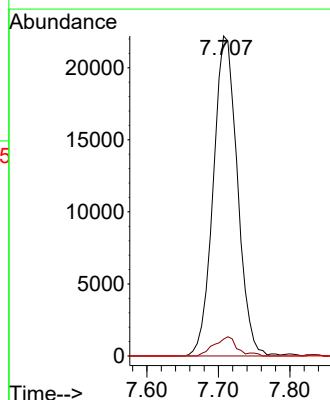
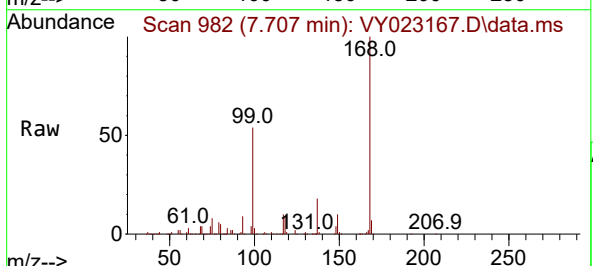
RT: 7.707 min Scan# 982

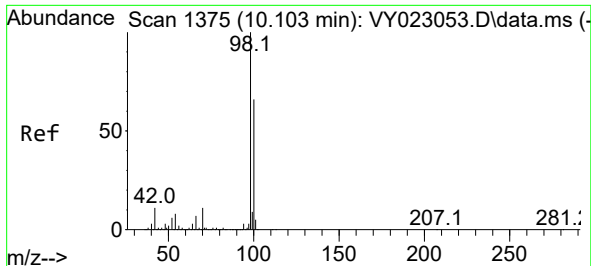
Delta R.T. -0.110 min

Lab File: VY023167.D

Acq: 20 Aug 2025 11:50

Tgt Ion: 117	Resp: 52077
Ion Ratio	Lower Upper
117	100
119	5.3 75.6 113.4#
121	0.0 25.8 38.8#

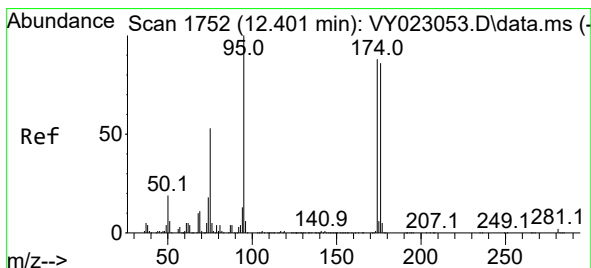
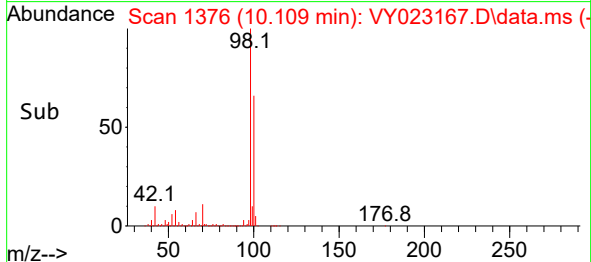
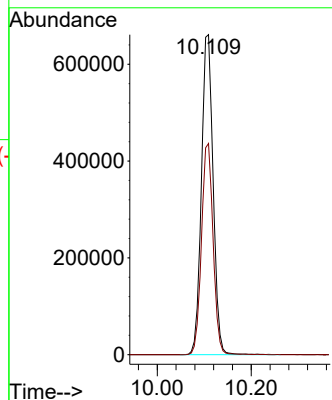
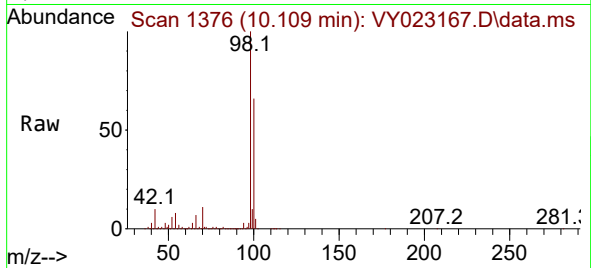




#50
Toluene-d8
Concen: 50.104 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

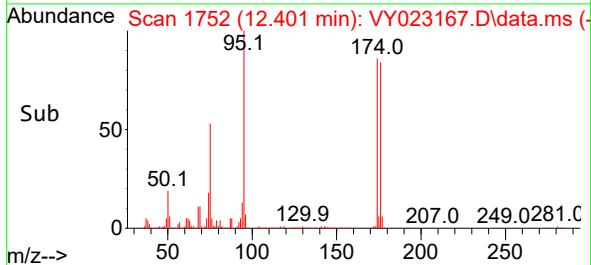
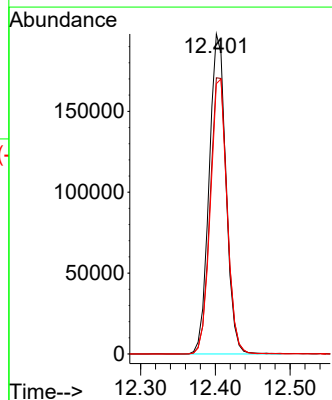
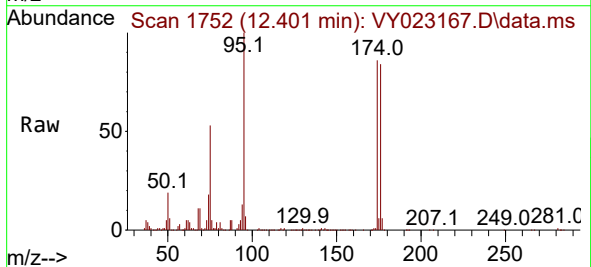
Instrument :
MSVOA_Y
ClientSampleId :

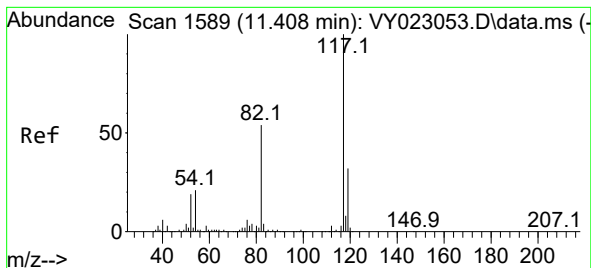
Tgt Ion: 98 Resp: 1143416
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.059 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023167.D
Acq: 20 Aug 2025 11:50

Tgt Ion: 95 Resp: 308680
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 85.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

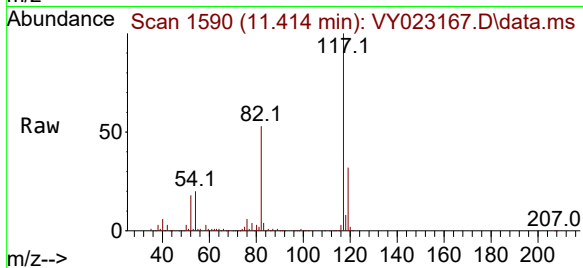
Lab File: VY023167.D

Acq: 20 Aug 2025 11:50

Instrument :

MSVOA_Y

ClientSampleId :



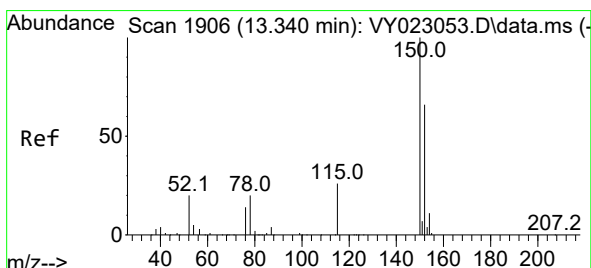
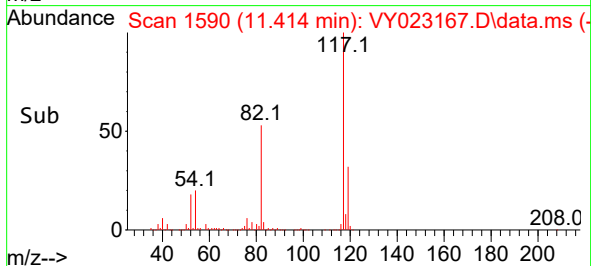
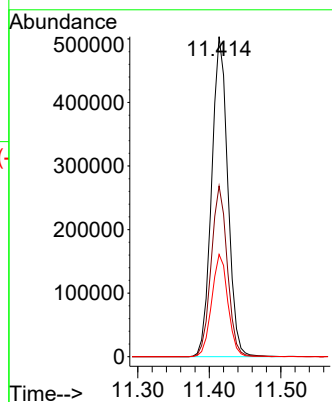
Tgt Ion:117 Resp: 789979

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023167.D

Acq: 20 Aug 2025 11:50

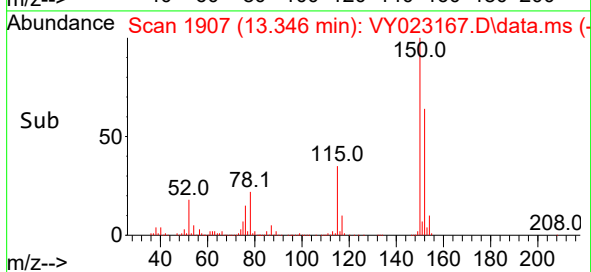
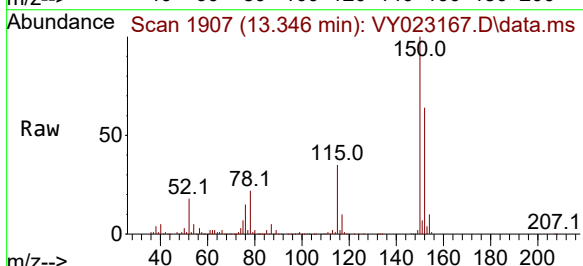
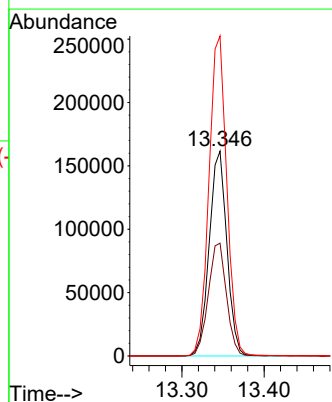
Tgt Ion:152 Resp: 241273

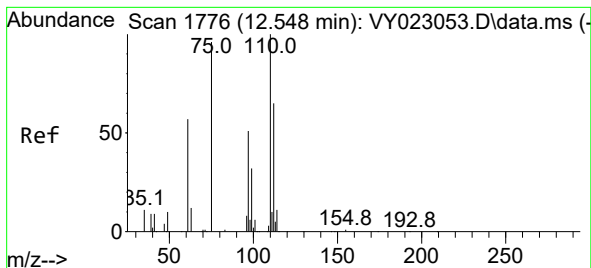
Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 157.6 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 69.131 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023167.D

Acq: 20 Aug 2025 11:50

Instrument :

MSVOA_Y

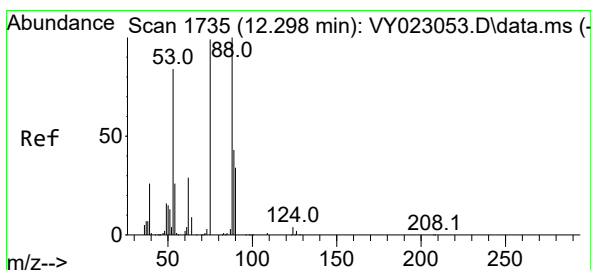
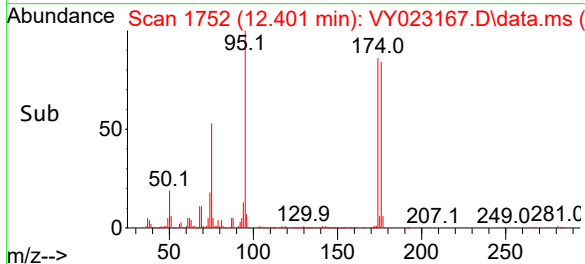
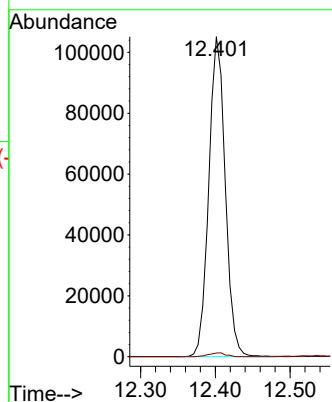
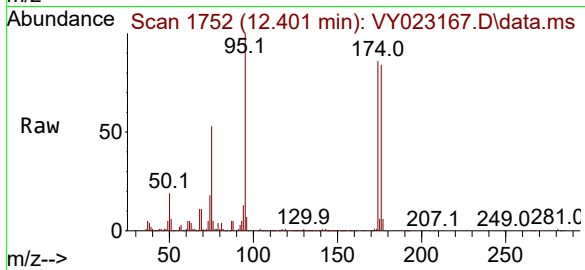
ClientSampleId :

Tgt Ion: 75 Resp: 160974

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 167.344 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023167.D

Acq: 20 Aug 2025 11:50

Tgt Ion: 75 Resp: 160974

Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

89 0.0 38.1 57.1#

