

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023129.D
 Acq On : 15 Aug 2025 16:45
 Operator : SY/MD
 Sample : Q2844-04
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0234-0235

Quant Time: Aug 18 02:31:35 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)

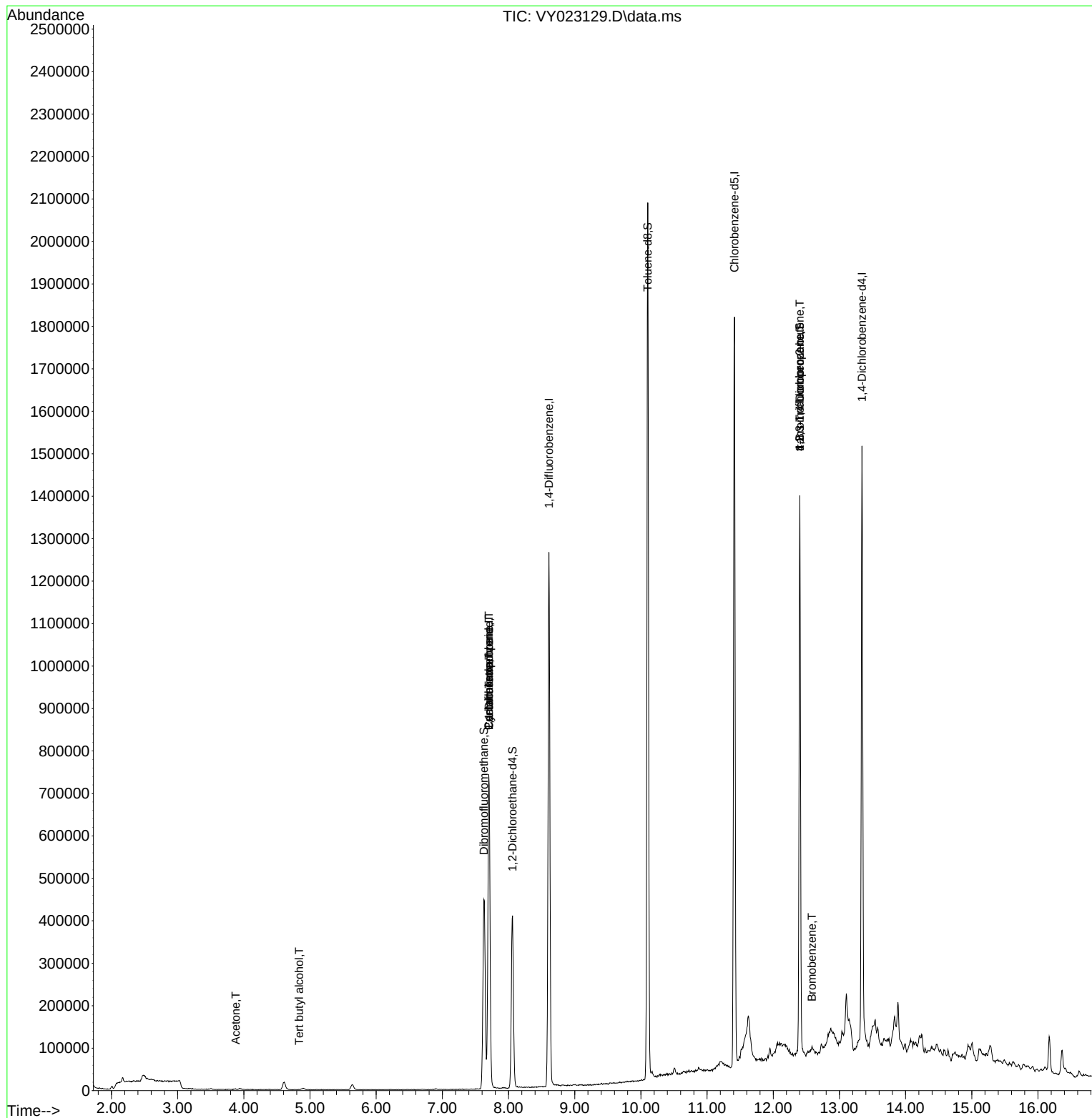
Internal Standards						
1) Pentafluorobenzene	7.701	168	562377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1074298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	957240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	347232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	313826	58.551	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.100%
35) Dibromofluoromethane	7.628	113	325708	50.668	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.103	98	1316523	52.425	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.401	95	388776	48.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	600	1.634	ug/l #	71
16) Acetone	3.879	43	1971	1.697	ug/l #	74
20) Methylene Chloride	4.610	84	13255	Below Cal		93
31) Cyclohexane	7.701	56	12834	1.286	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	43933	4.599	ug/l #	49
38) Carbon Tetrachloride	7.701	117	56225	5.419	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	204937	61.154	ug/l #	100
77) Bromobenzene	12.584	156	6676	1.142	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	204937	148.035	ug/l #	14

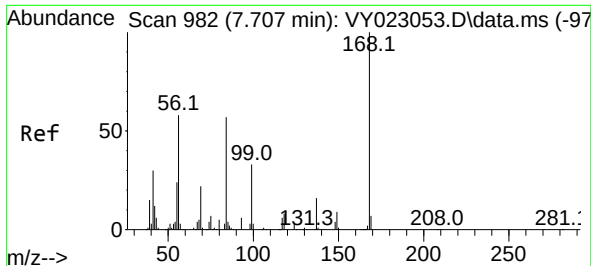
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MOO-25-0234-0235

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Response via : Initial Calibration

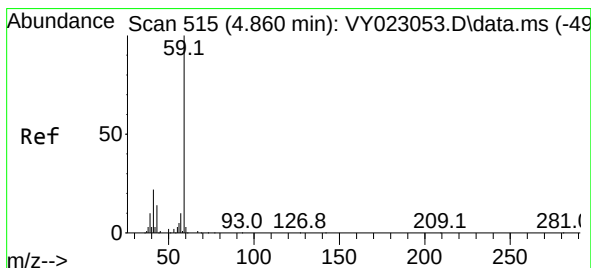
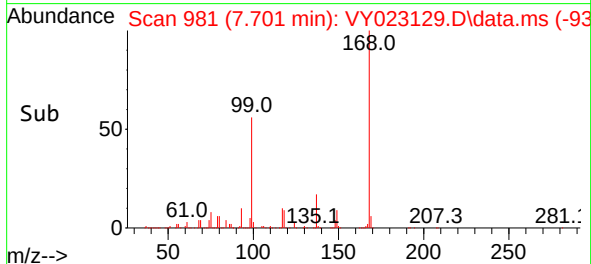
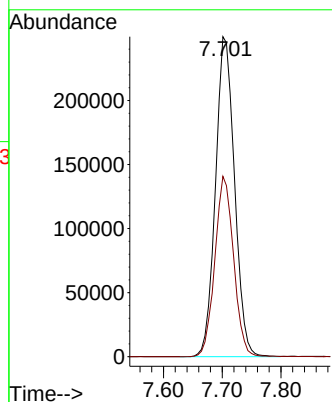
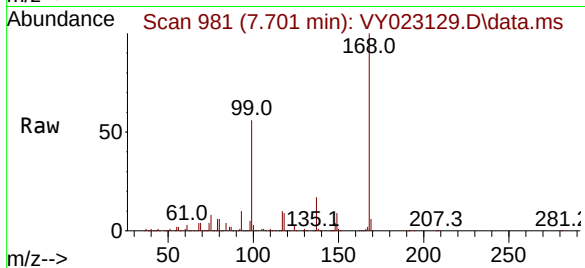




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

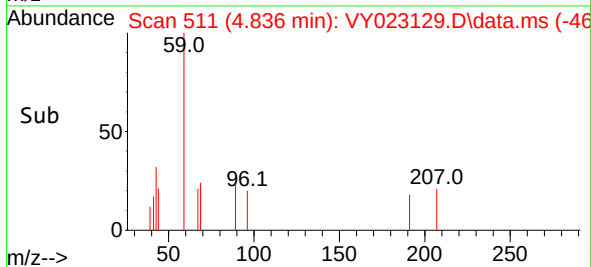
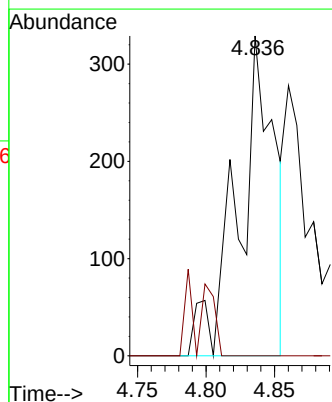
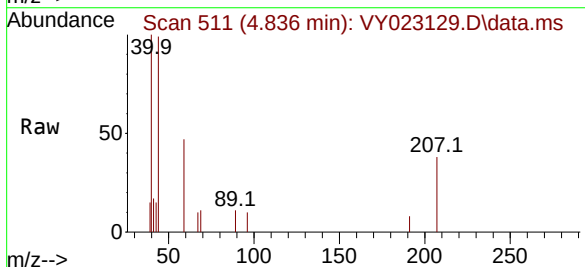
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0234-0235

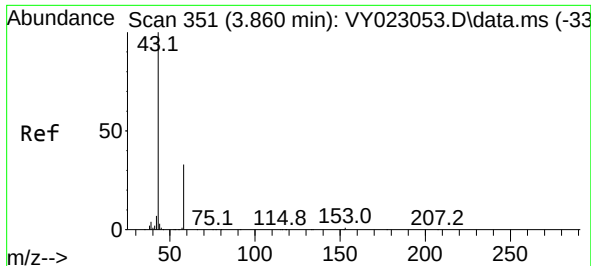
Tgt Ion:168 Resp: 562377
Ion Ratio Lower Upper
168 100
99 56.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.634 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

Tgt Ion: 59 Resp: 600
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#16

Acetone

Concen: 1.697 ug/l

RT: 3.879 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY023129.D

Acq: 15 Aug 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

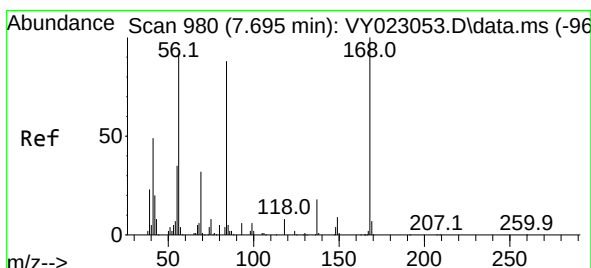
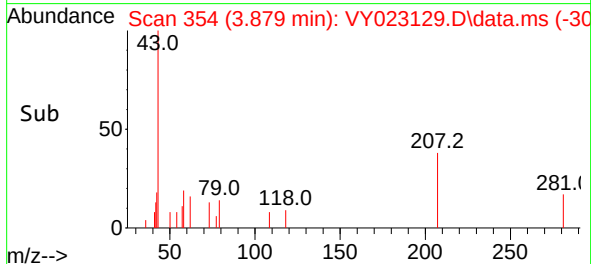
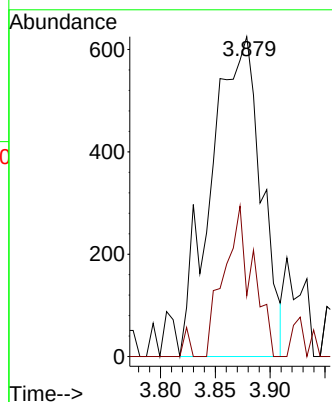
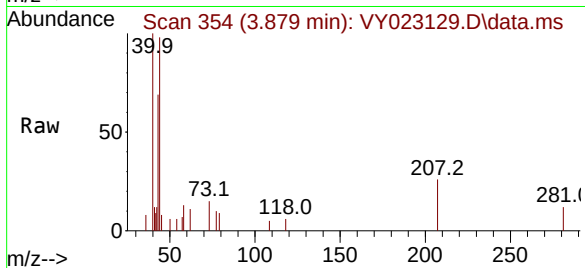
MOO-25-0234-0235

Tgt Ion: 43 Resp: 1971

Ion Ratio Lower Upper

43 100

58 19.0 27.1 40.7#



#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023129.D

Acq: 15 Aug 2025 16:45

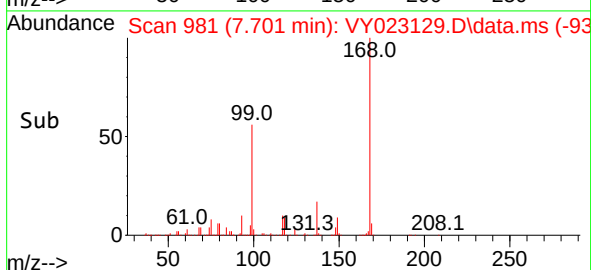
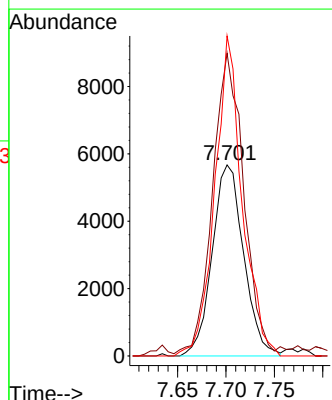
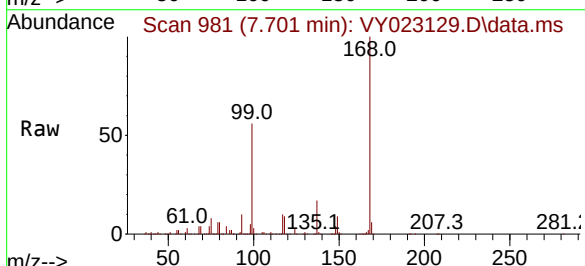
Tgt Ion: 56 Resp: 12834

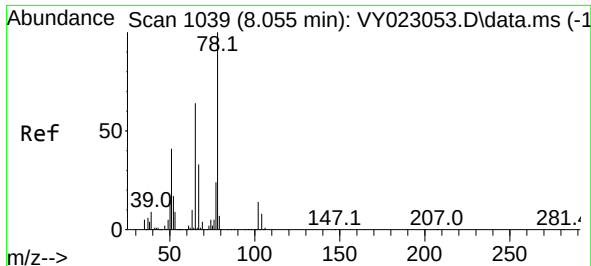
Ion Ratio Lower Upper

56 100

69 155.1 28.2 42.2#

84 167.5 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.551 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023129.D

Acq: 15 Aug 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

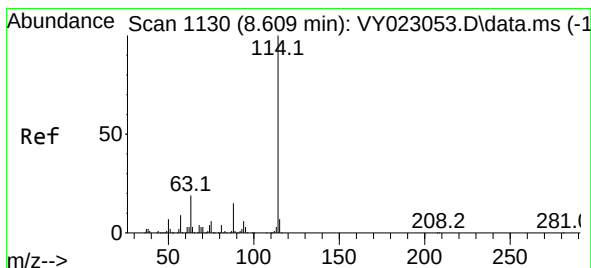
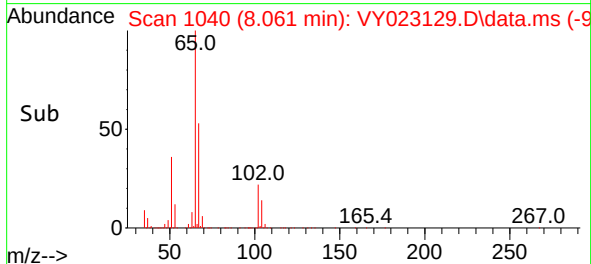
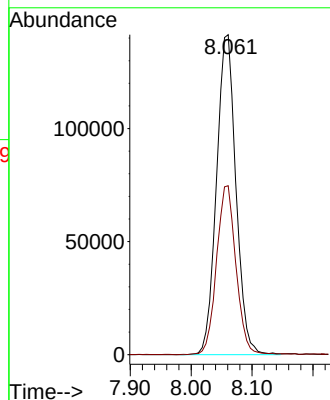
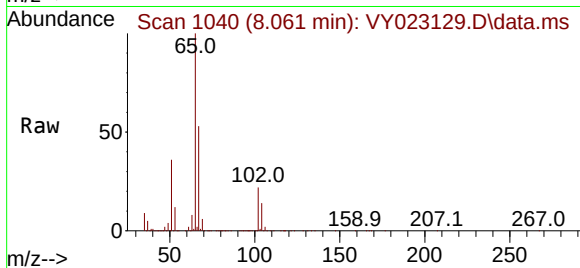
MOO-25-0234-0235

Tgt Ion: 65 Resp: 313826

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023129.D

Acq: 15 Aug 2025 16:45

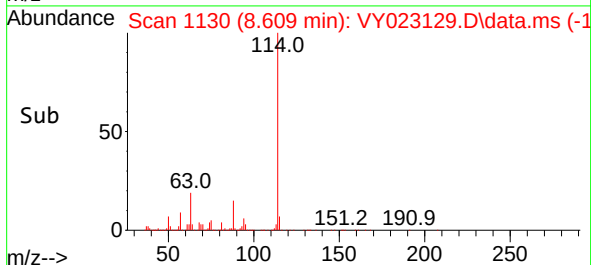
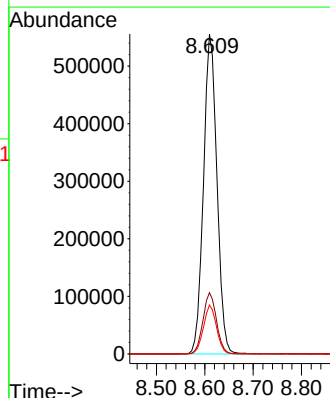
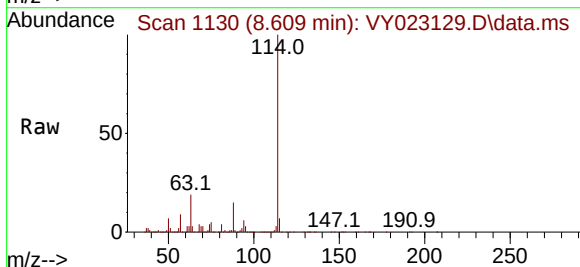
Tgt Ion:114 Resp: 1074298

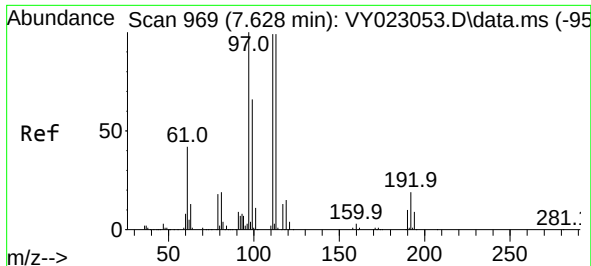
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 15.3 0.0 30.0

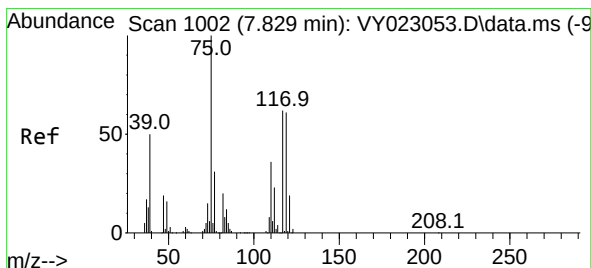
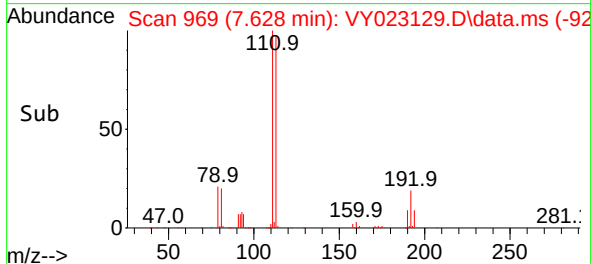
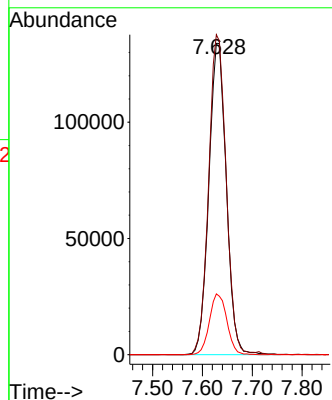
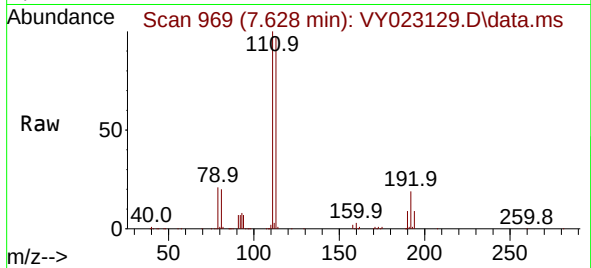




#35
Dibromofluoromethane
Concen: 50.668 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

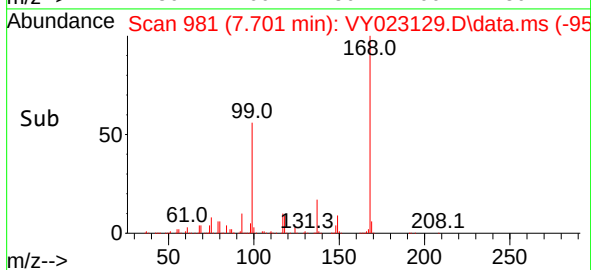
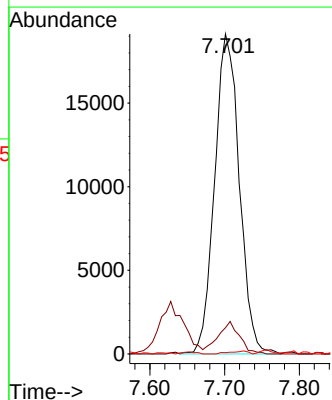
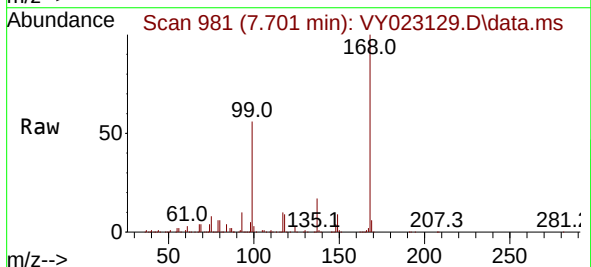
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0234-0235

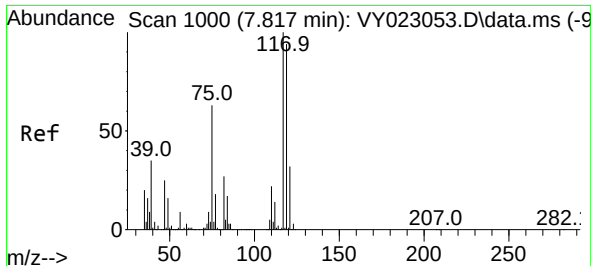
Tgt Ion:113 Resp: 325708
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

Tgt Ion: 75 Resp: 43933
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 24.6 37.0#

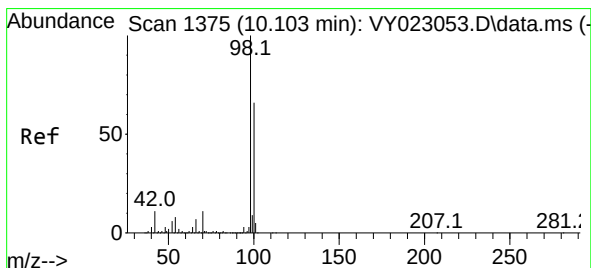
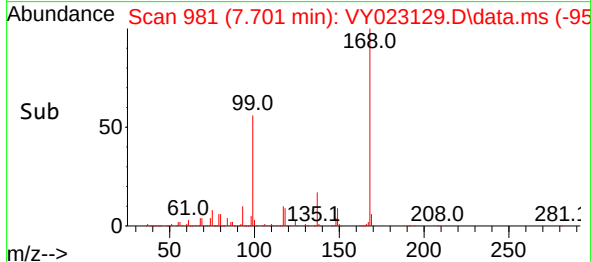
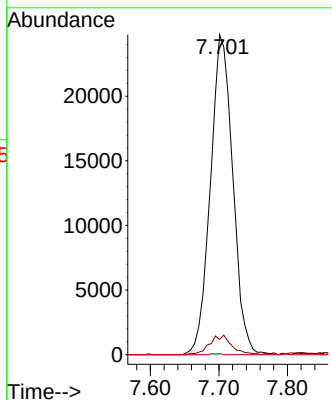
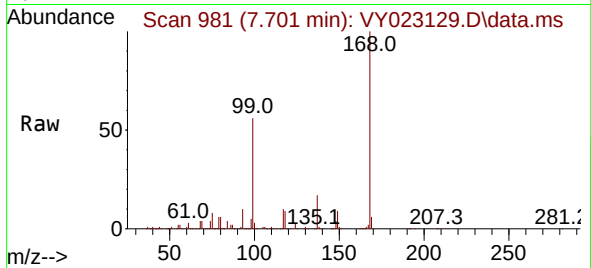




#38
Carbon Tetrachloride
Concen: 5.419 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

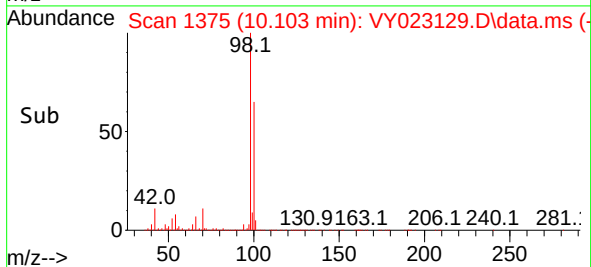
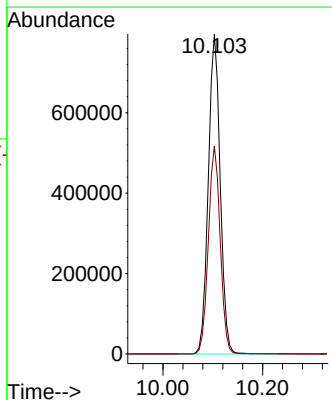
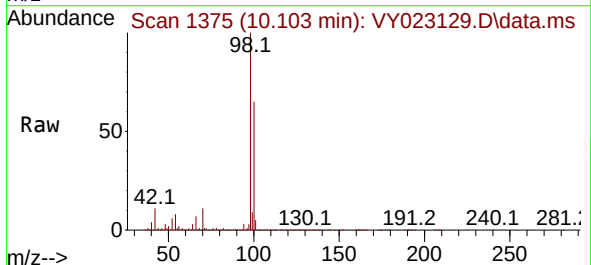
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0234-0235

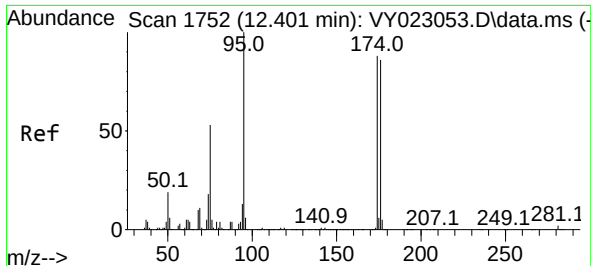
Tgt Ion:117 Resp: 56225
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.4 25.8 38.8#



#50
Toluene-d8
Concen: 52.425 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

Tgt Ion: 98 Resp: 1316523
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

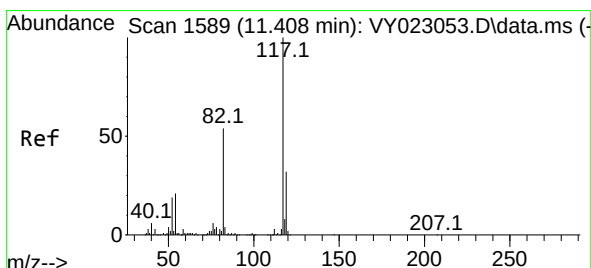
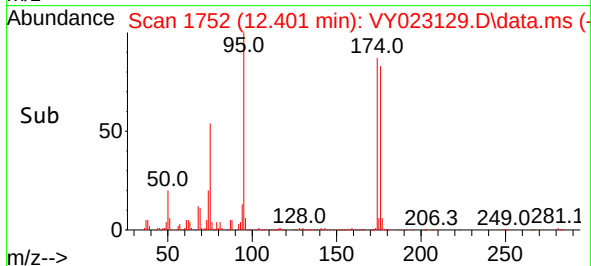
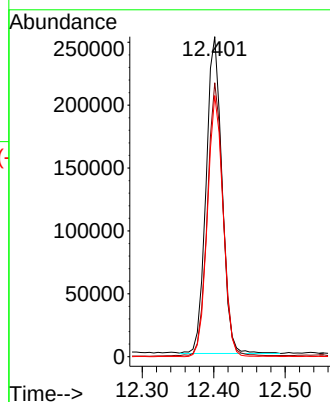
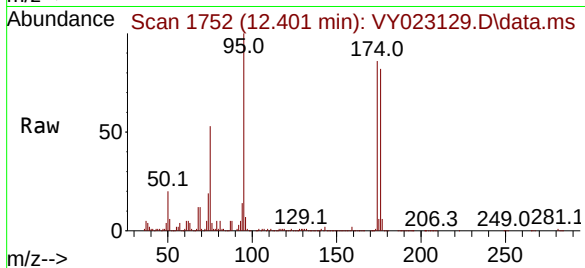




#62
4-Bromofluorobenzene
Concen: 48.139 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

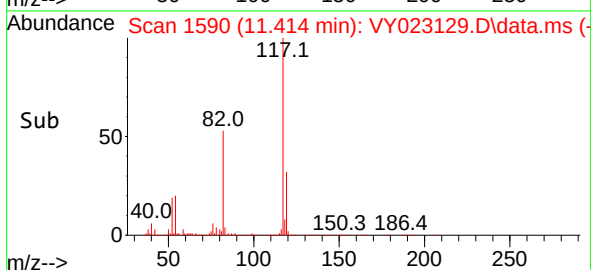
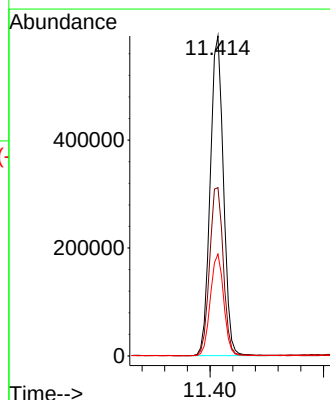
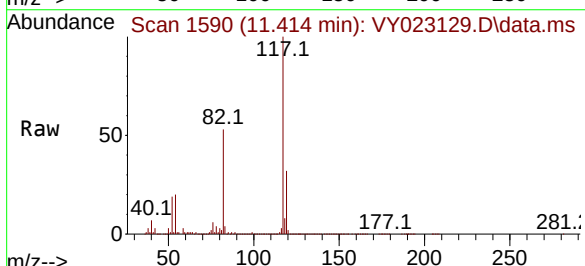
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0234-0235

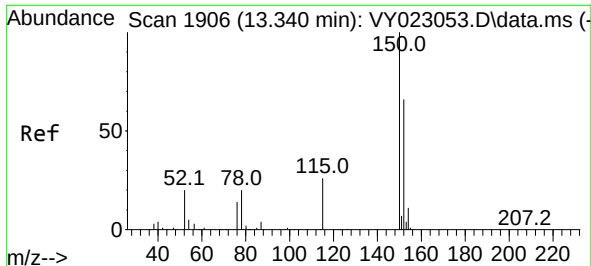
Tgt Ion: 95 Resp: 388776
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 81.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023129.D
Acq: 15 Aug 2025 16:45

Tgt Ion: 117 Resp: 957240
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 31.8 25.6 38.4

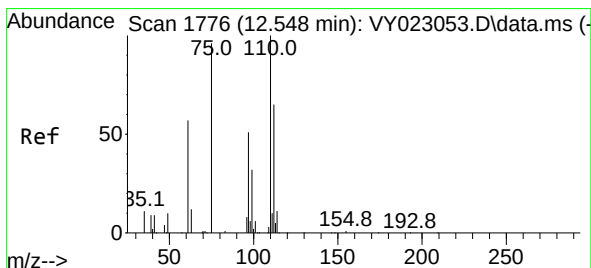
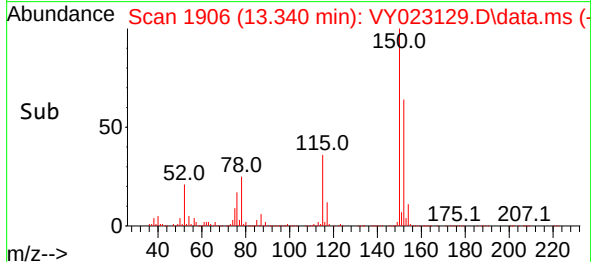
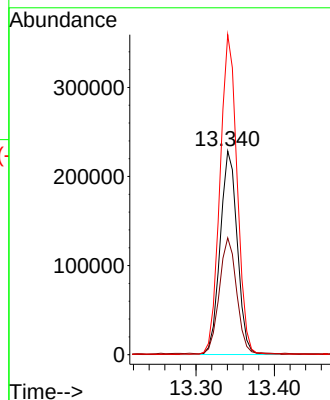
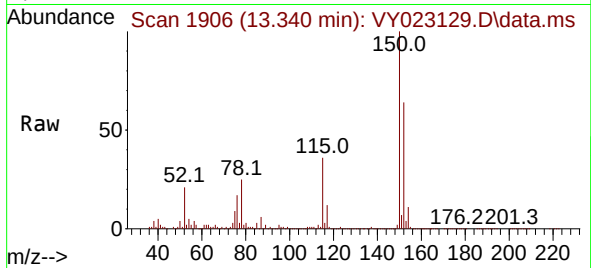




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023129.D
 Acq: 15 Aug 2025 16:45

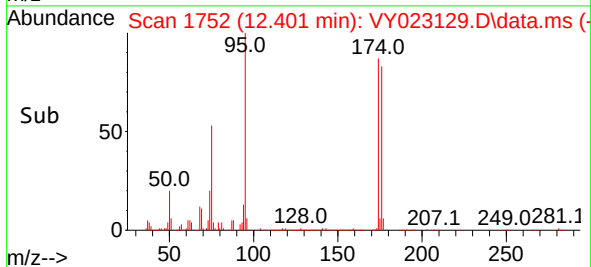
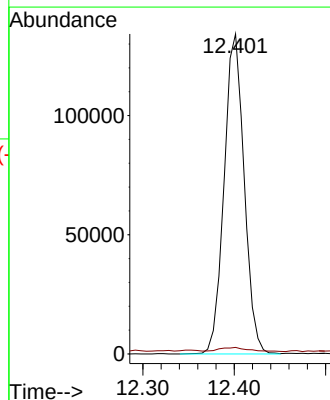
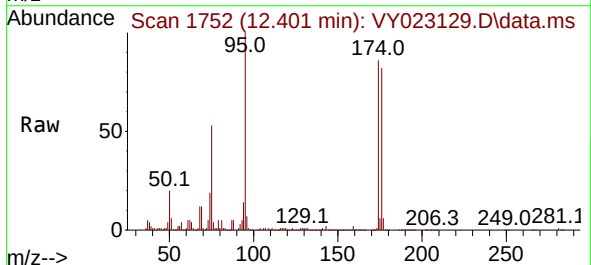
Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0234-0235

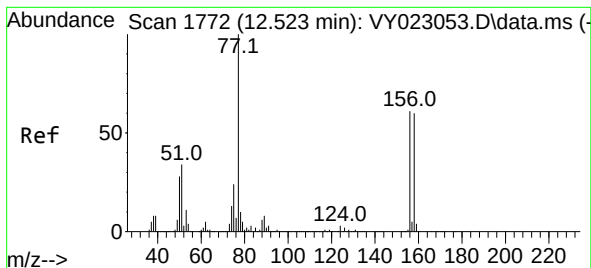
Tgt Ion:152 Resp: 347232
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.6
 150 157.2 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 61.154 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023129.D
 Acq: 15 Aug 2025 16:45

Tgt Ion: 75 Resp: 204937
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#77

Bromobenzene

Concen: 1.142 ug/l

RT: 12.584 min Scan# 1

Delta R.T. 0.061 min

Lab File: VY023129.D

Acq: 15 Aug 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0234-0235

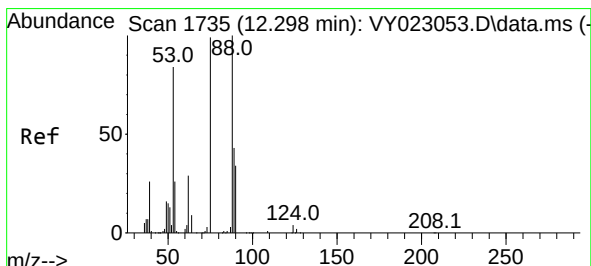
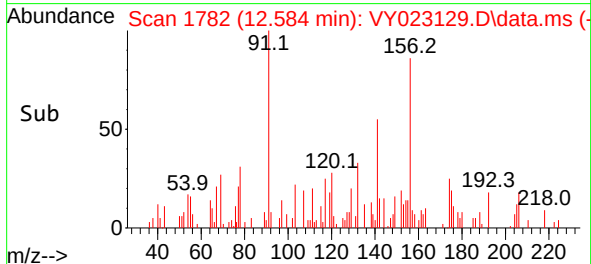
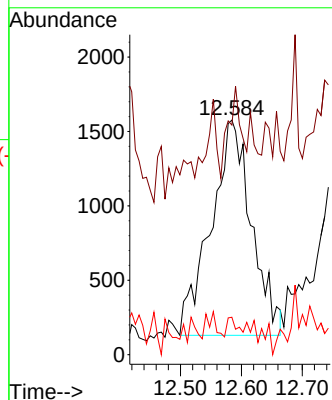
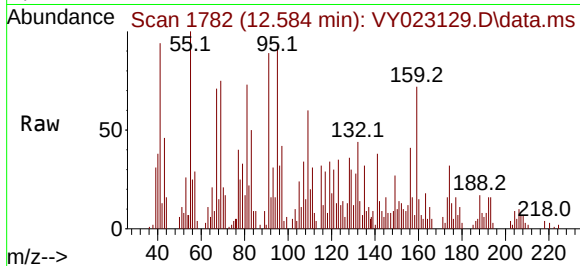
Tgt Ion:156 Resp: 6676

Ion Ratio Lower Upper

156 100

77 13.6 88.1 264.4#

158 2.2 48.0 144.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.035 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023129.D

Acq: 15 Aug 2025 16:45

Tgt Ion: 75 Resp: 204937

Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

89 0.2 38.1 57.1#

