

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023169.D
 Acq On : 20 Aug 2025 12:37
 Operator : SY/MD
 Sample : Q2879-11
 Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 15:24:03 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)

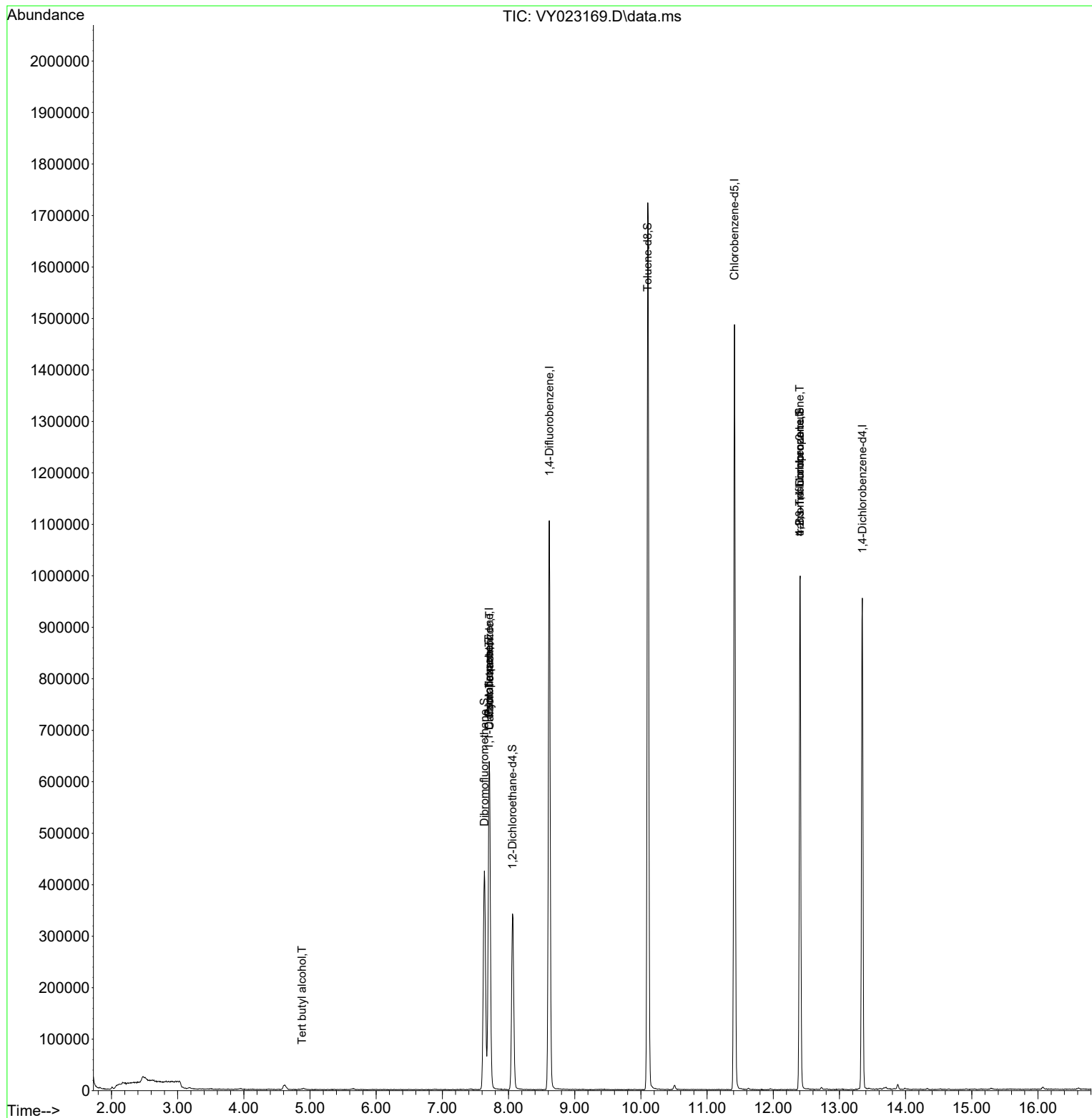
Internal Standards						
1) Pentafluorobenzene	7.707	168	510110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	953413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	788677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	269740	55.483	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.960%	
35) Dibromofluoromethane	7.634	113	302346	52.997	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.000%	
50) Toluene-d8	10.103	98	1138687	51.093	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	12.401	95	306480	42.760	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.878	59	720	2.161	ug/l #	71
20) Methylene Chloride	4.616	84	7009	Below Cal		88
31) Cyclohexane	7.707	56	10482	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	38631	4.556	ug/l #	49
38) Carbon Tetrachloride	7.713	117	49499	5.375	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	158672	65.515	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	158672	158.591	ug/l #	14

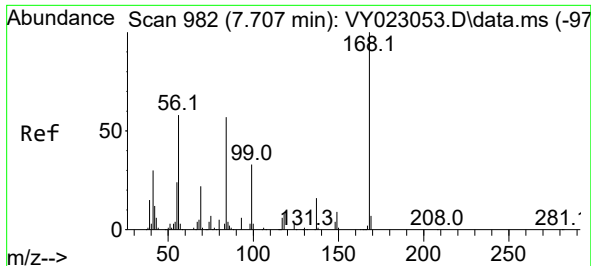
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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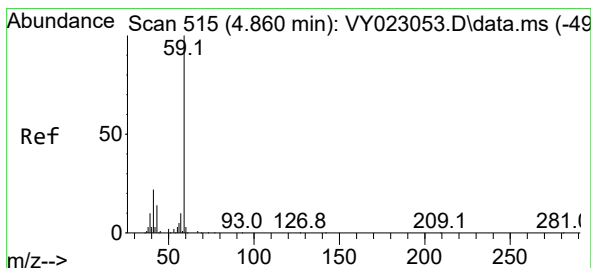
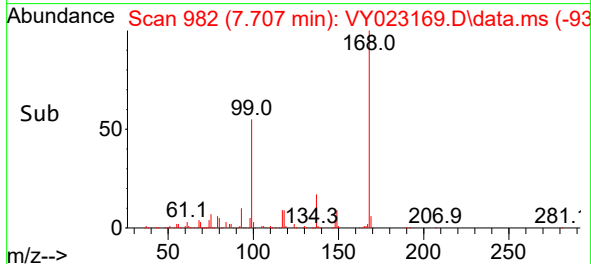
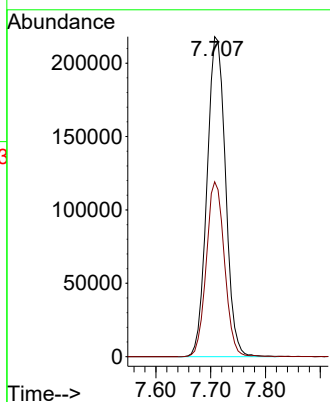
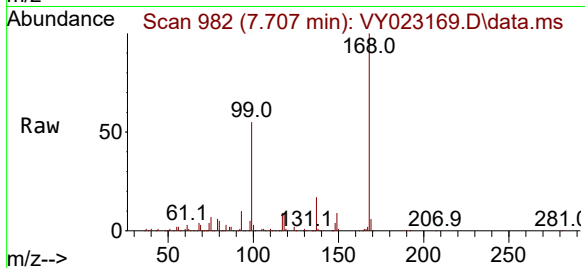




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

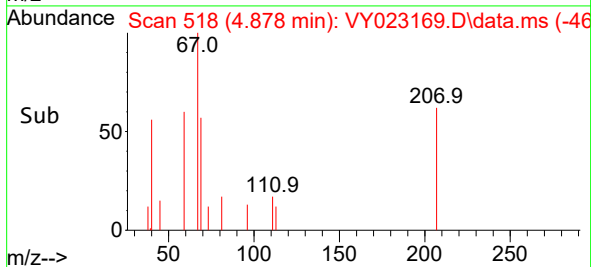
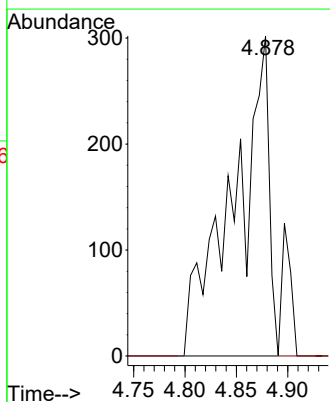
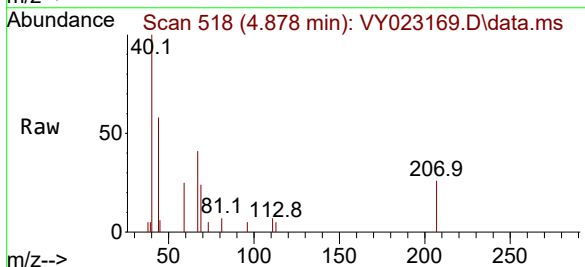
Instrument :
MSVOA_Y
ClientSampleId :

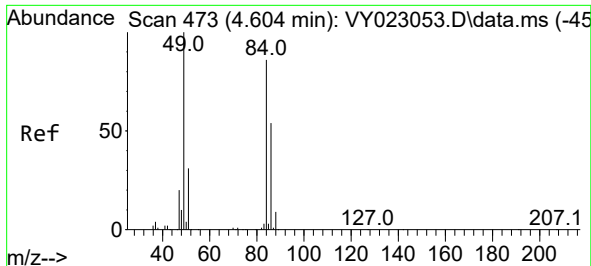
Tgt Ion:168 Resp: 510110
Ion Ratio Lower Upper
168 100
99 54.6 42.8 64.2



#11
Tert butyl alcohol
Concen: 2.161 ug/l
RT: 4.878 min Scan# 518
Delta R.T. 0.018 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Tgt Ion: 59 Resp: 720
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.616 min Scan# 41

Delta R.T. 0.012 min

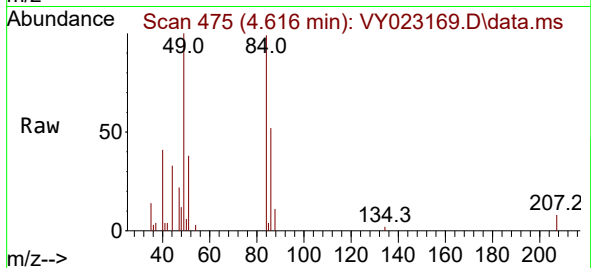
Lab File: VY023169.D

Acq: 20 Aug 2025 12:37

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 7009

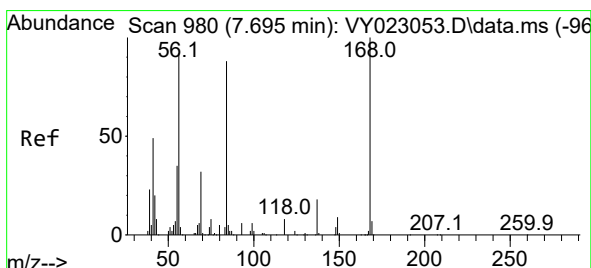
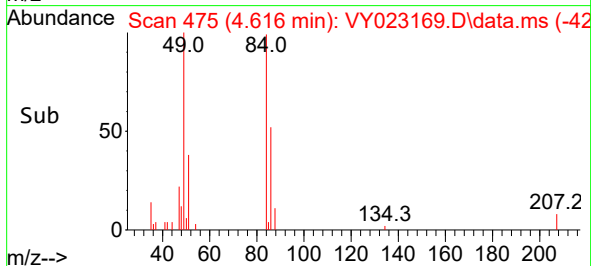
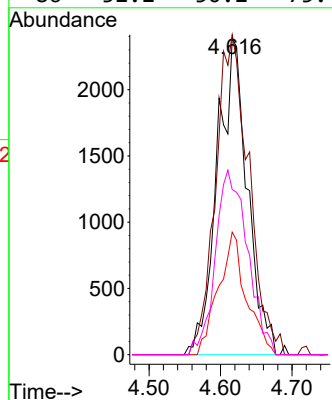
Ion Ratio Lower Upper

84 100

49 101.3 93.0 139.6

51 38.8 29.0 43.4

86 52.2 50.2 75.4



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY023169.D

Acq: 20 Aug 2025 12:37

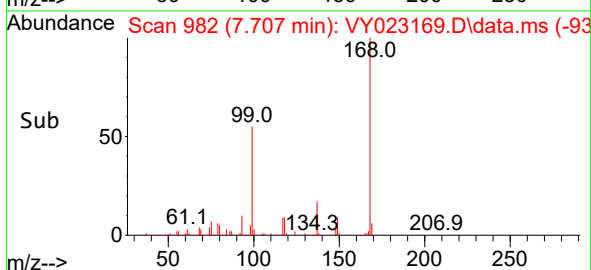
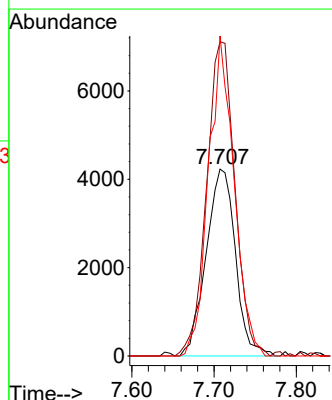
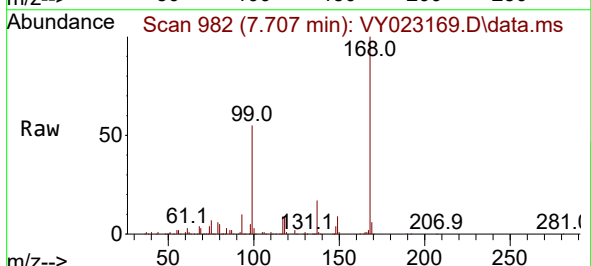
Tgt Ion: 56 Resp: 10482

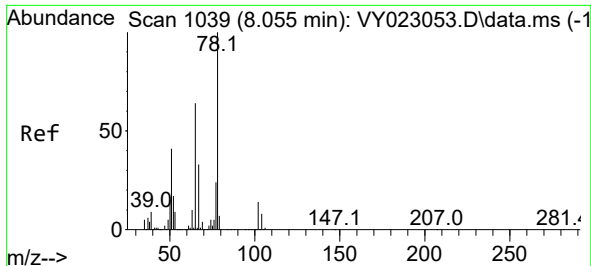
Ion Ratio Lower Upper

56 100

69 166.1 28.2 42.2#

84 171.2 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.483 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023169.D

Acq: 20 Aug 2025 12:37

Instrument :

MSVOA_Y

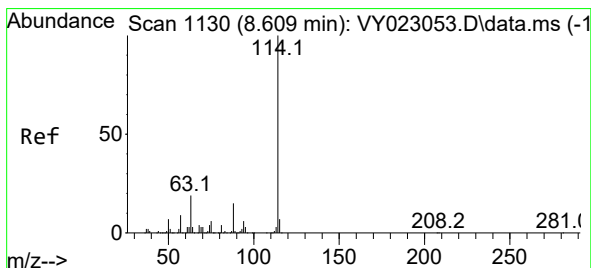
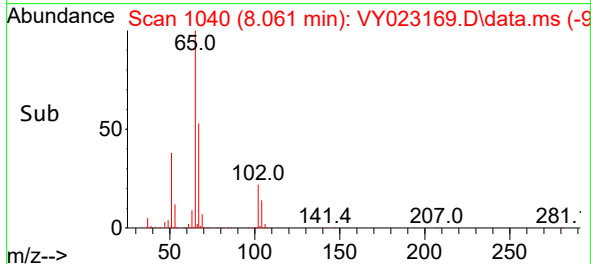
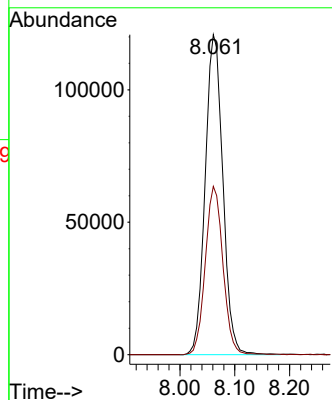
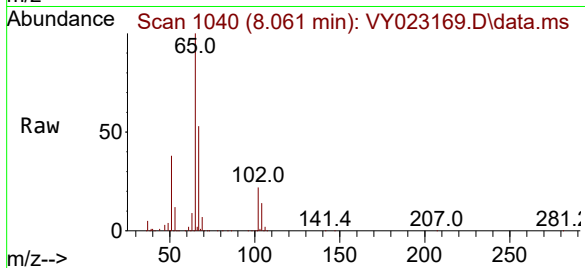
ClientSampleId :

Tgt Ion: 65 Resp: 269740

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023169.D

Acq: 20 Aug 2025 12:37

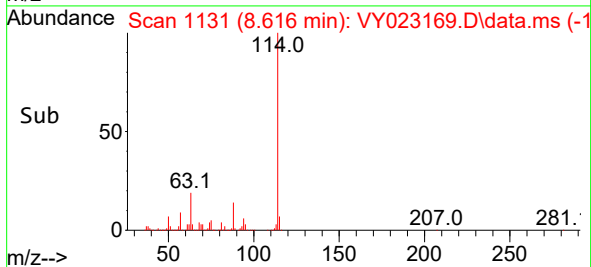
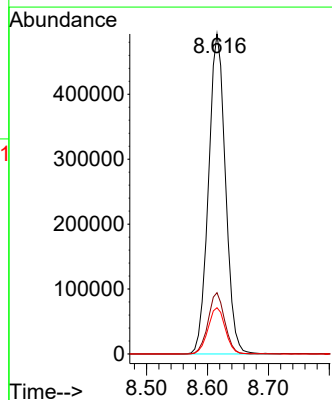
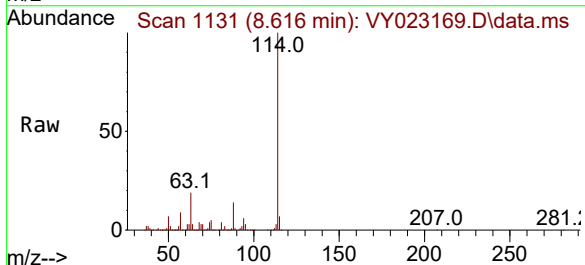
Tgt Ion:114 Resp: 953413

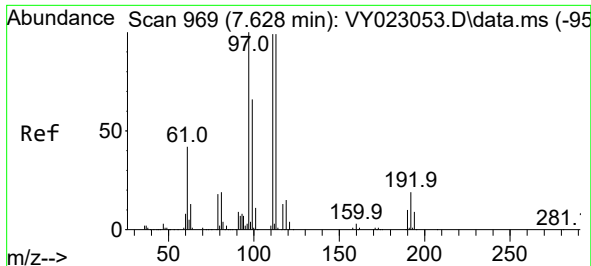
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 14.4 0.0 30.0

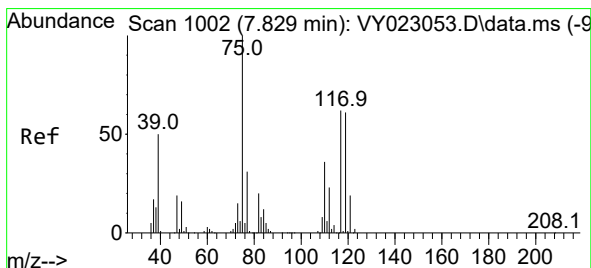
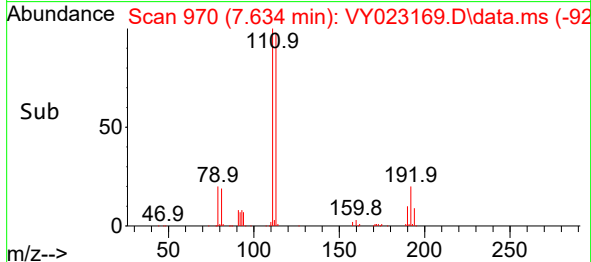
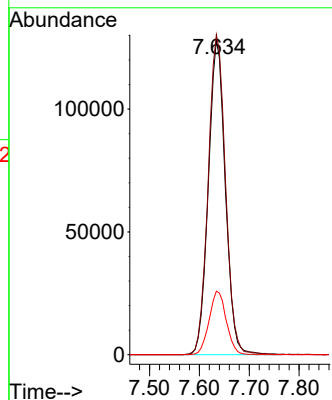
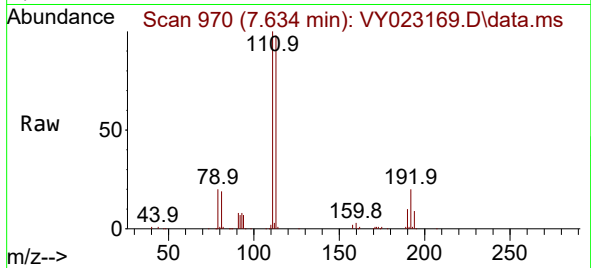




#35
Dibromofluoromethane
Concen: 52.997 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

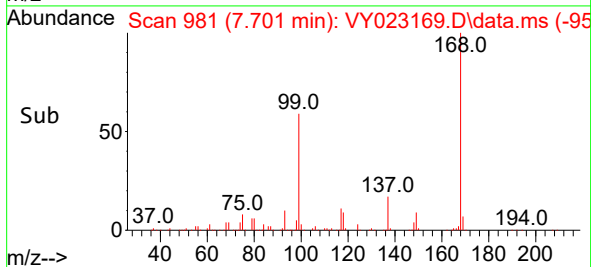
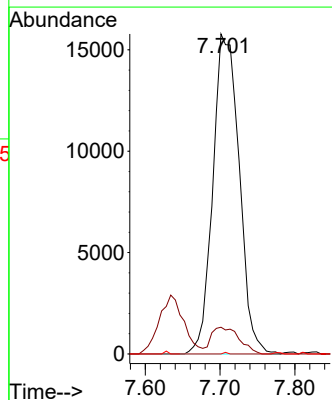
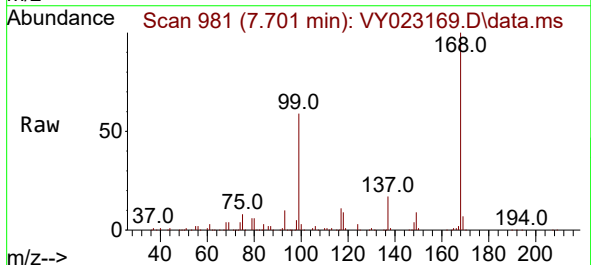
Instrument :
MSVOA_Y
ClientSampleId :

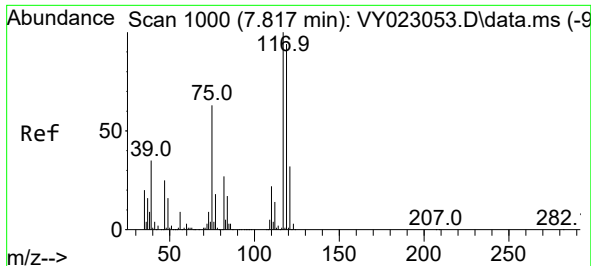
Tgt Ion:113 Resp: 302346
Ion Ratio Lower Upper
113 100
111 104.2 81.1 121.7
192 20.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

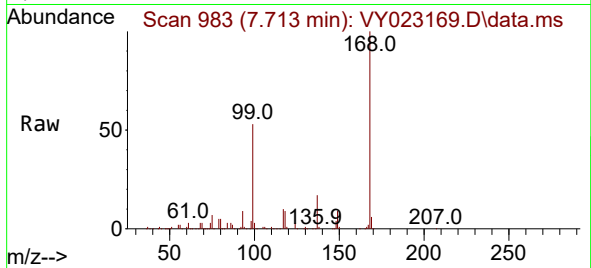
Tgt Ion: 75 Resp: 38631
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.1 24.6 37.0#



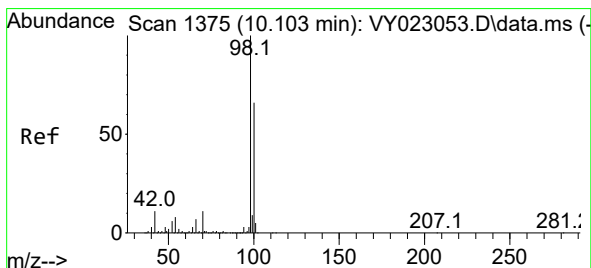
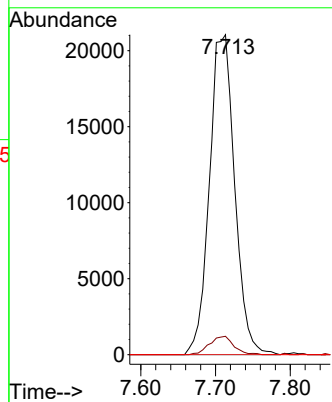
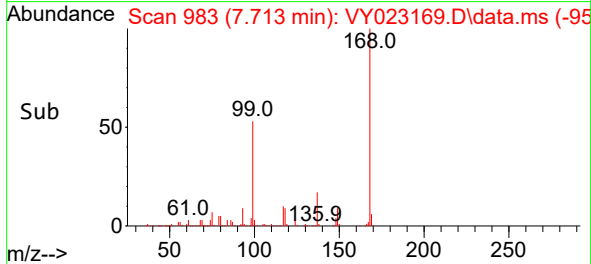


#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :

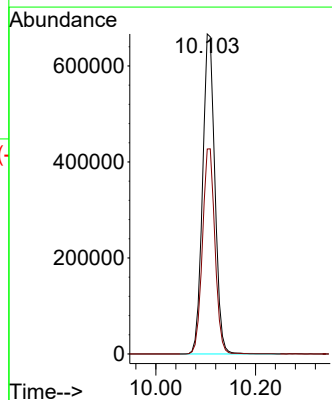
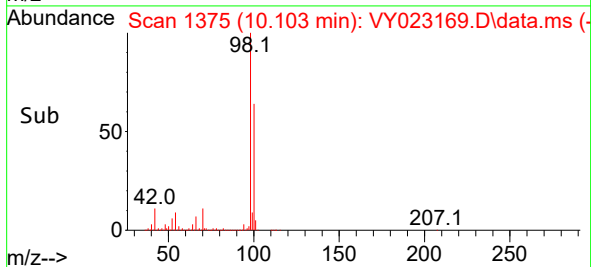
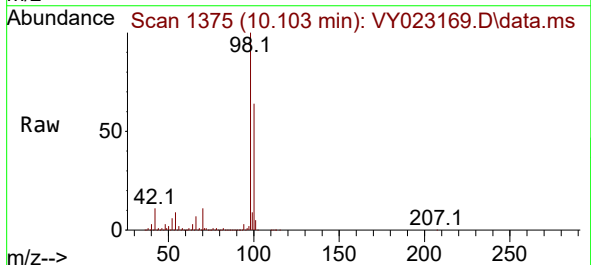


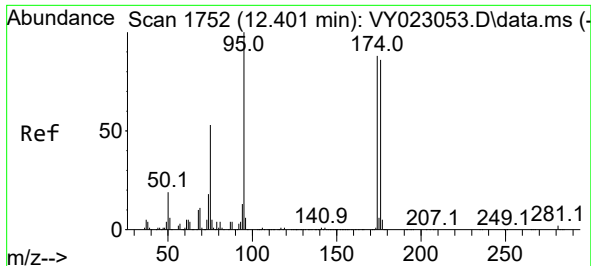
Tgt Ion:117 Resp: 49499
Ion Ratio Lower Upper
117 100
119 5.7 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.093 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Tgt Ion: 98 Resp: 1138687
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5

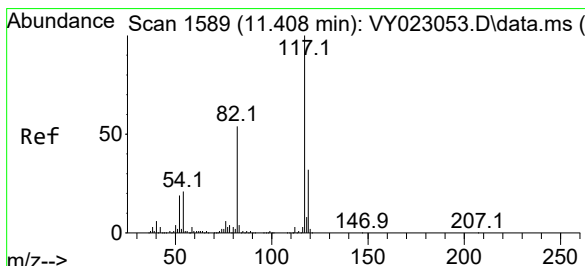
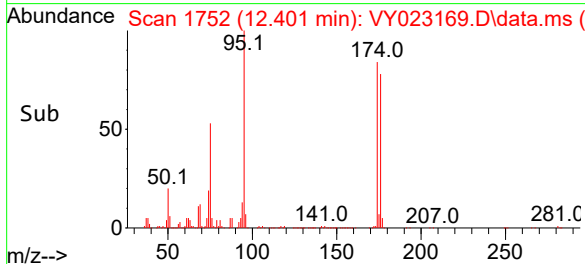
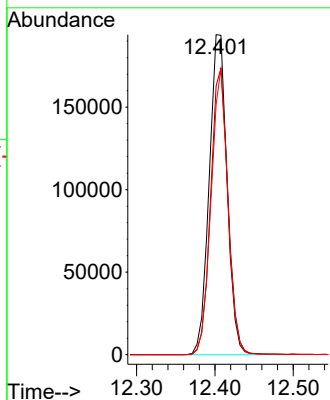
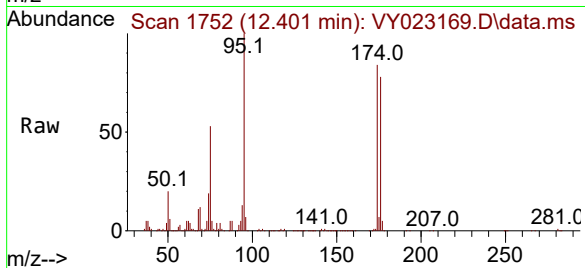




#62
4-Bromofluorobenzene
Concen: 42.760 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

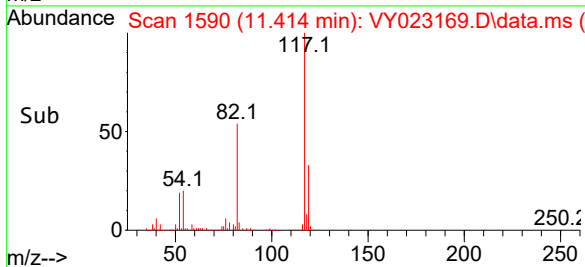
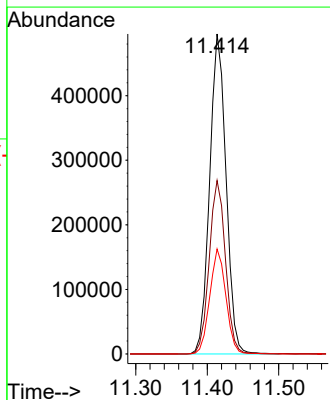
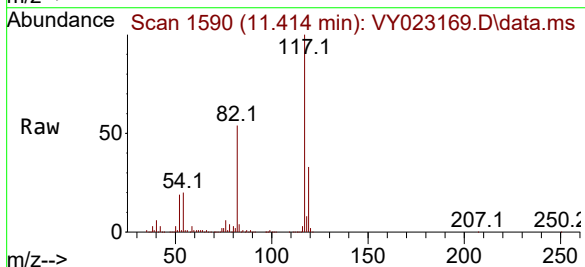
Instrument :
MSVOA_Y
ClientSampleId :

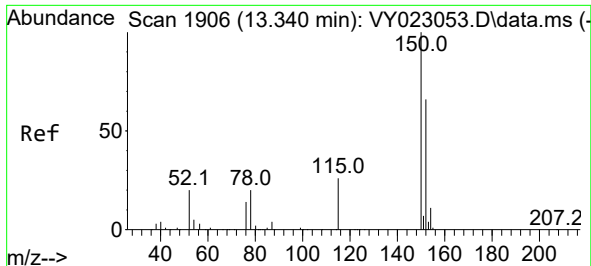
Tgt Ion: 95 Resp: 306480
Ion Ratio Lower Upper
95 100
174 87.5 0.0 171.6
176 84.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

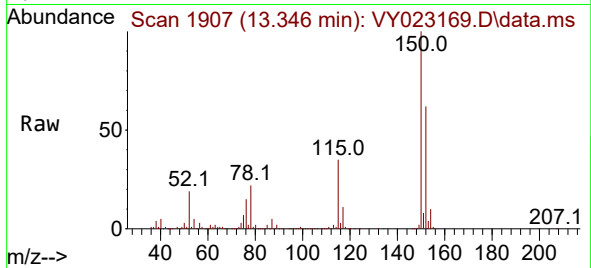
Tgt Ion: 117 Resp: 788677
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 32.8 25.6 38.4



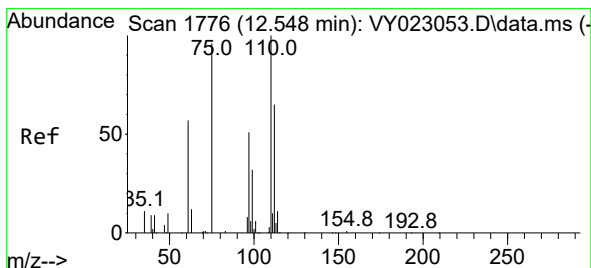
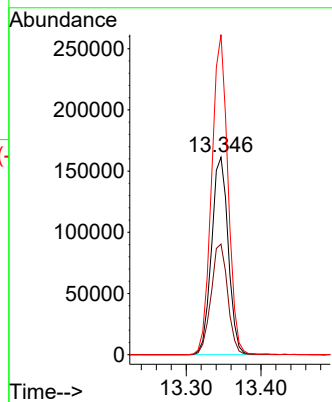
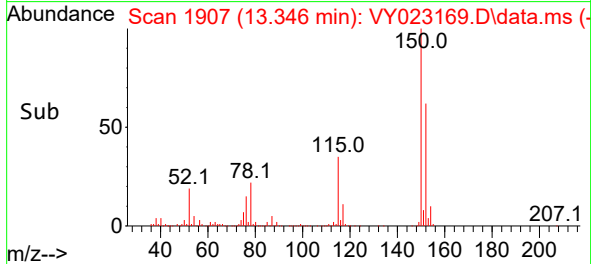


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023169.D
 Acq: 20 Aug 2025 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :

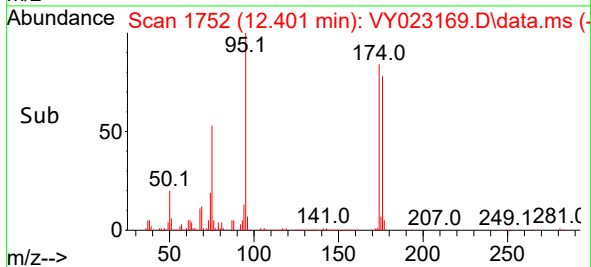
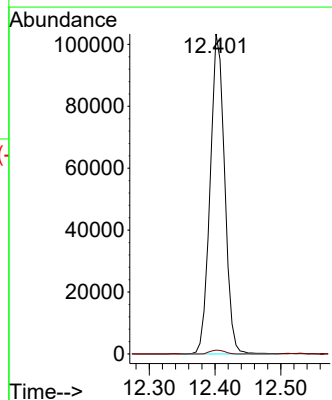
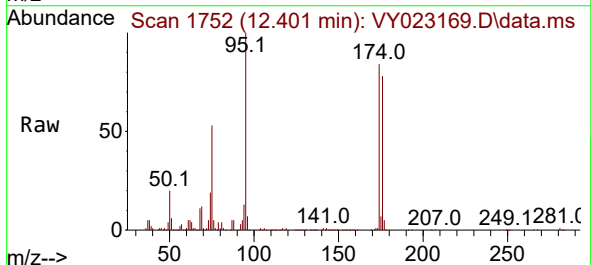


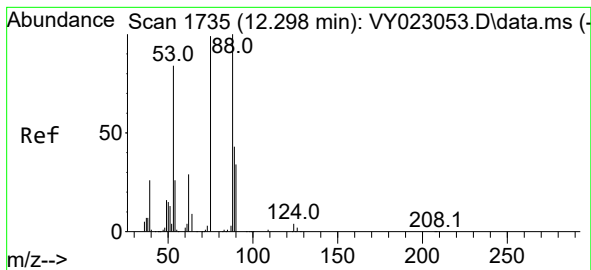
Tgt Ion:152 Resp: 250948
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.2 84.6
 150 158.1 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 65.515 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023169.D
 Acq: 20 Aug 2025 12:37

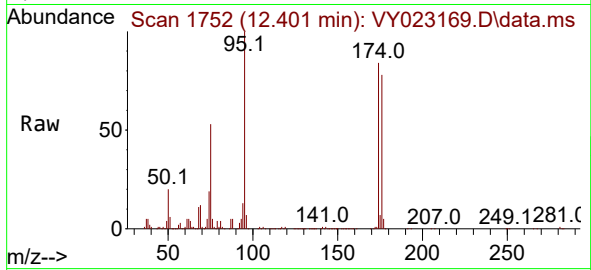
Tgt Ion: 75 Resp: 158672
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 158.591 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023169.D
Acq: 20 Aug 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	70.8	106.2#
89	0.0	38.1	57.1#

