

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023593.D
 Acq On : 27 Oct 2025 12:54
 Operator : SY/MD
 Sample : Q3466-06
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B7-1.5-2.0-20251023

Quant Time: Oct 28 04:39:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

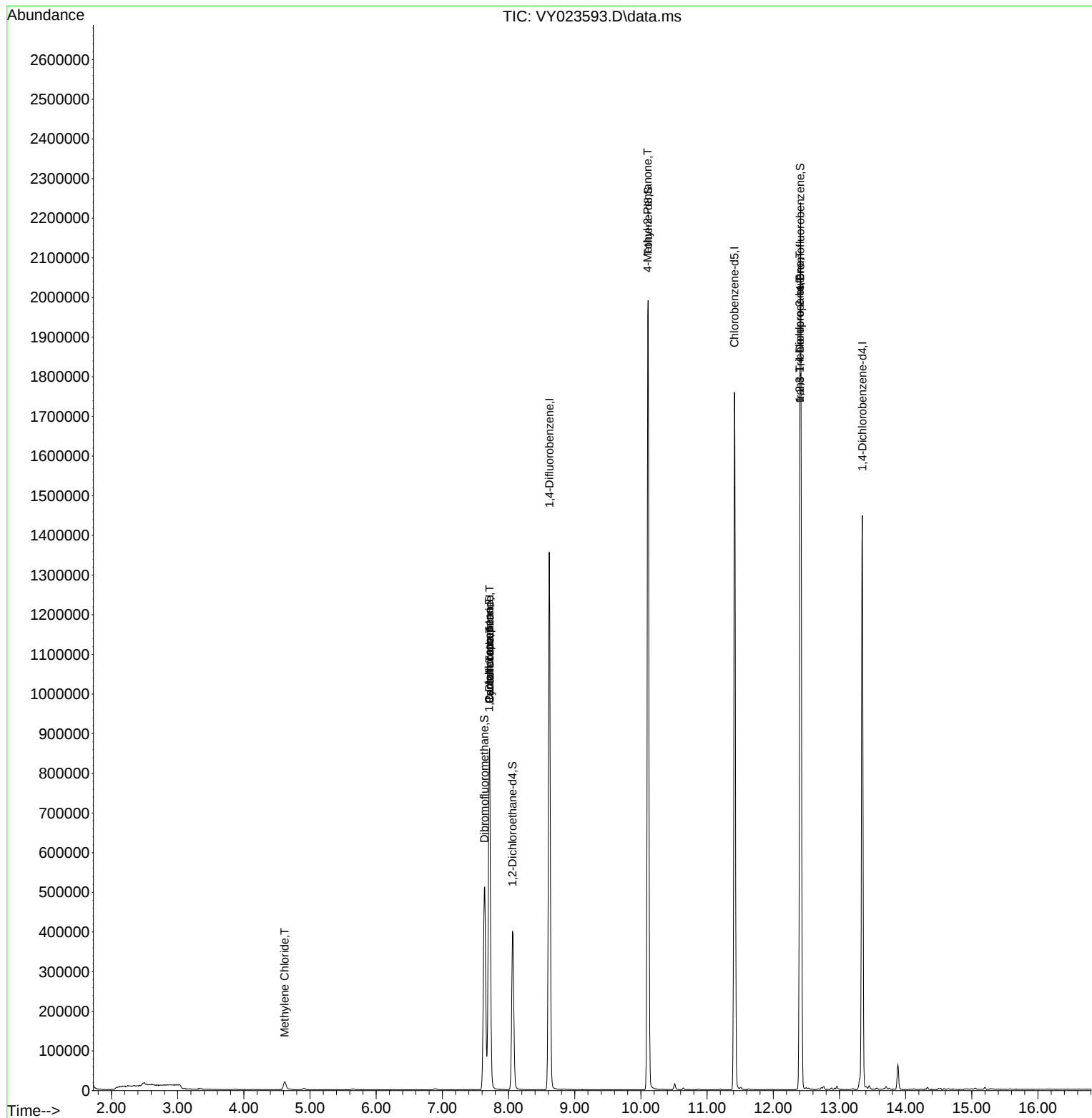
Internal Standards						
1) Pentafluorobenzene	7.713	168	731194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1218761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	996988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	398135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310742	50.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.640%	
35) Dibromofluoromethane	7.634	113	371668	49.630	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.260%	
50) Toluene-d8	10.109	98	1366327	48.992	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	12.408	95	381673	41.453	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.900%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	16256	2.065	ug/l	94
31) Cyclohexane	7.713	56	12122	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	47382	4.779	ug/l #	47
38) Carbon Tetrachloride	7.713	117	65633	5.460	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4747	1.173	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	189741	54.017	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	189741	132.460	ug/l #	15

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Time: Oct 28 04:39:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

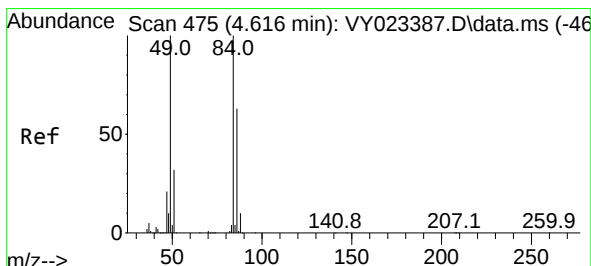
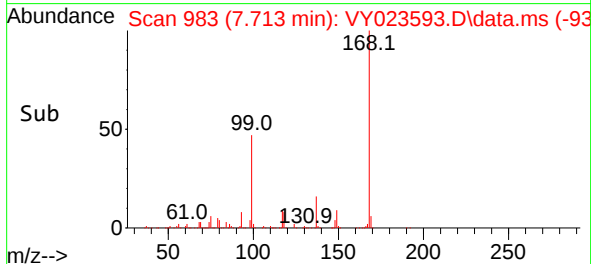
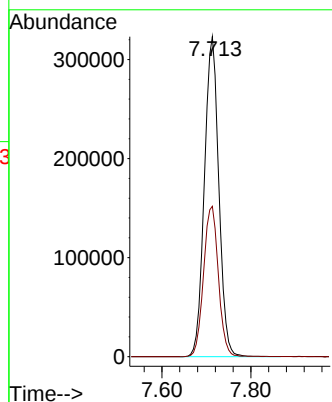
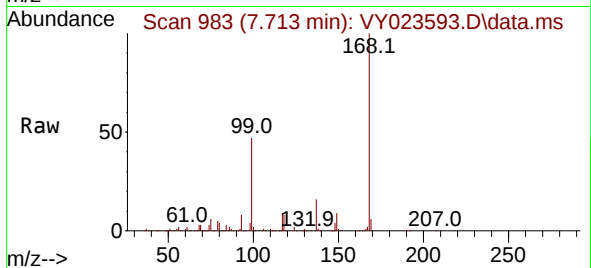




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

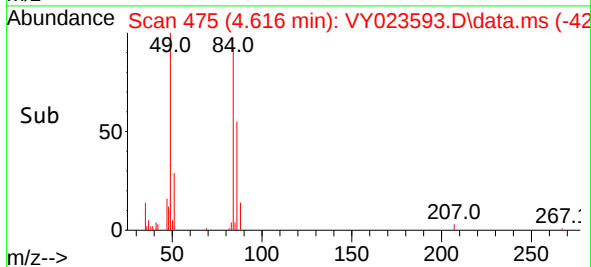
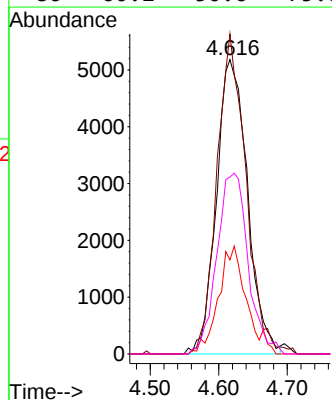
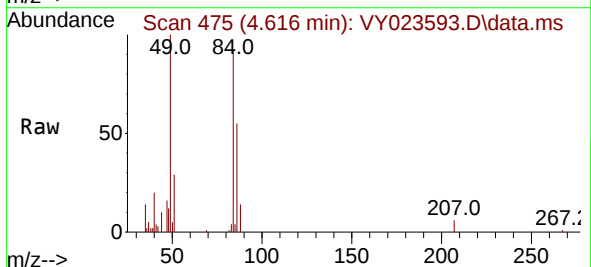
Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

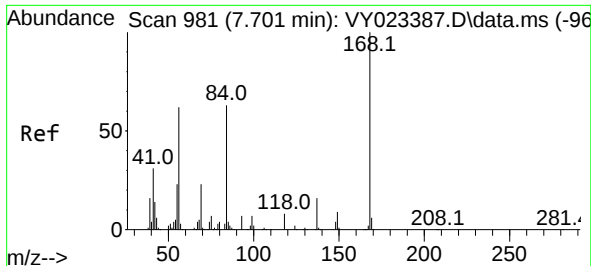
Tgt Ion:168 Resp: 731194
Ion Ratio Lower Upper
168 100
99 47.0 39.7 59.5



#20
Methylene Chloride
Concen: 2.065 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 84 Resp: 16256
Ion Ratio Lower Upper
84 100
49 108.7 80.2 120.4
51 32.0 25.9 38.9
86 60.2 50.6 75.8

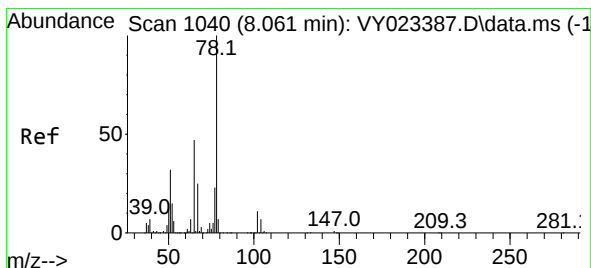
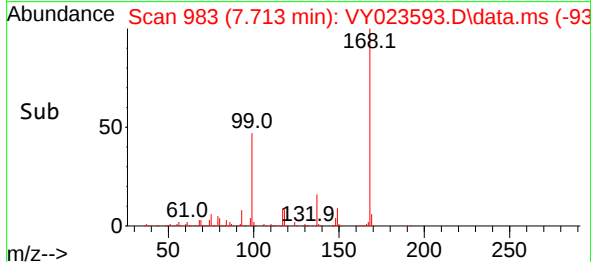
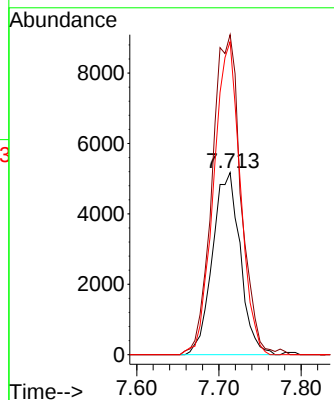
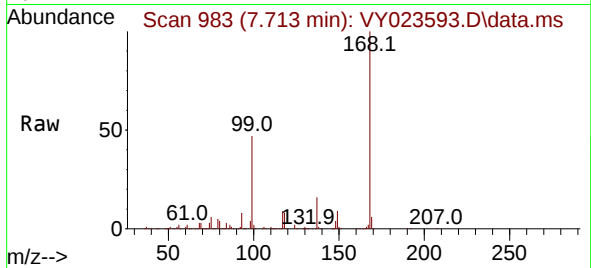




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

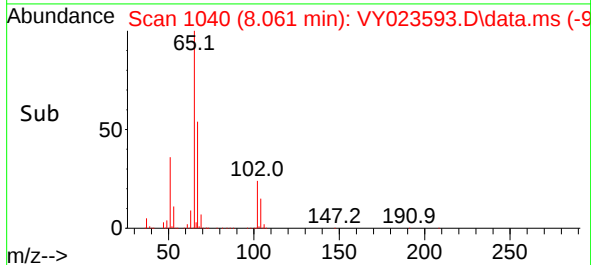
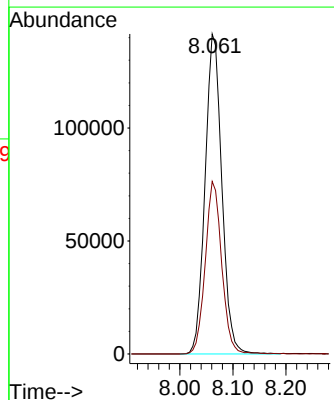
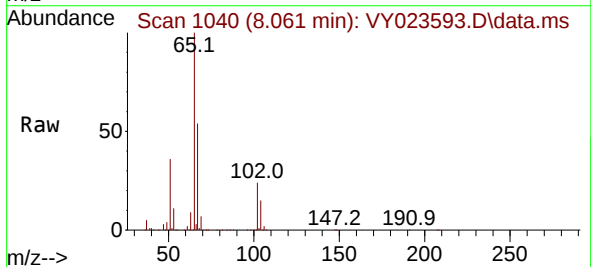
Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

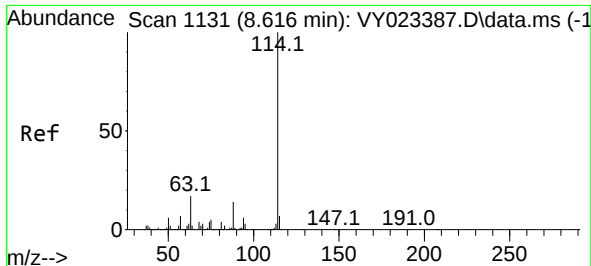
Tgt Ion: 56 Resp: 12122
Ion Ratio Lower Upper
56 100
69 175.7 30.0 45.0#
84 171.8 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 50.822 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 65 Resp: 310742
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

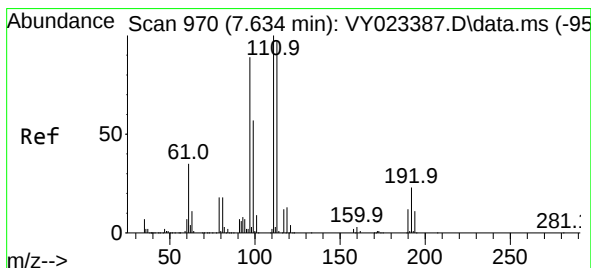
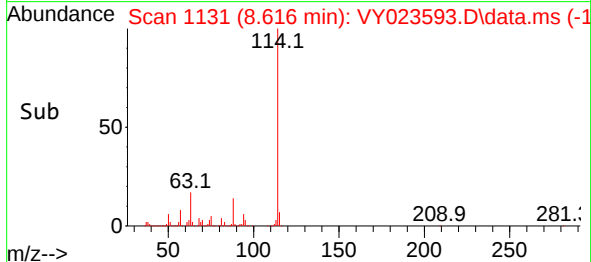
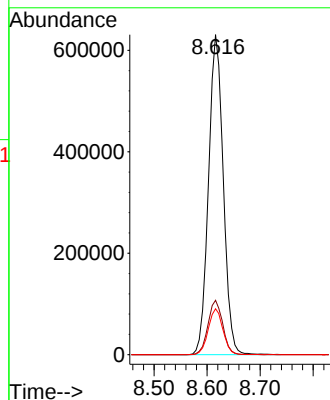
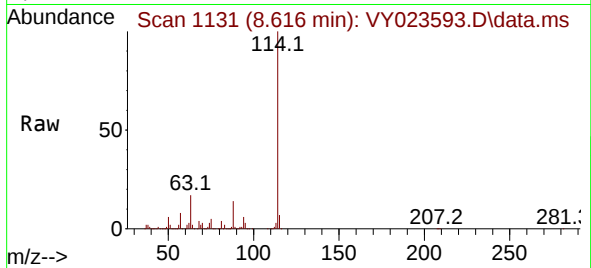




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

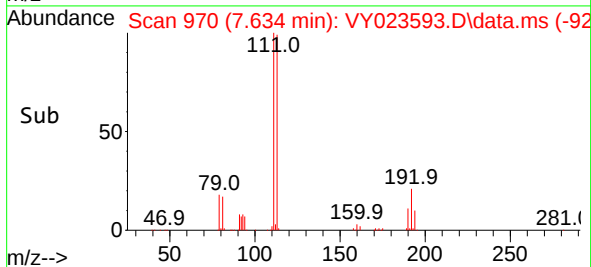
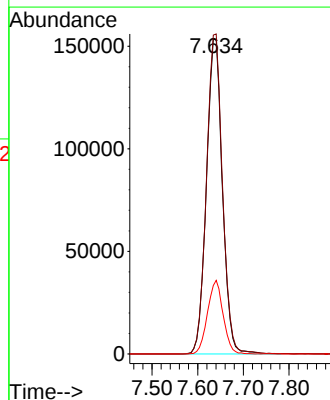
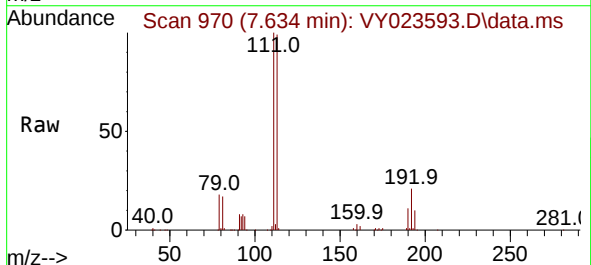
Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

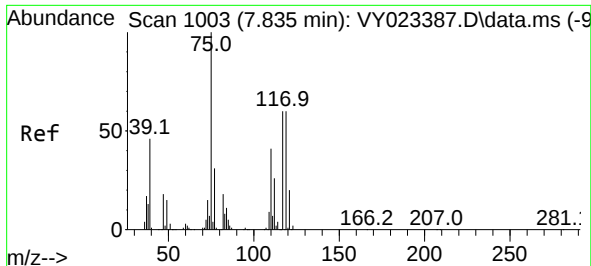
Tgt Ion:114 Resp: 1218761
Ion Ratio Lower Upper
114 100
63 17.0 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.630 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion:113 Resp: 371668
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023593.D

Acq: 27 Oct 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

B7-1.5-2.0-20251023

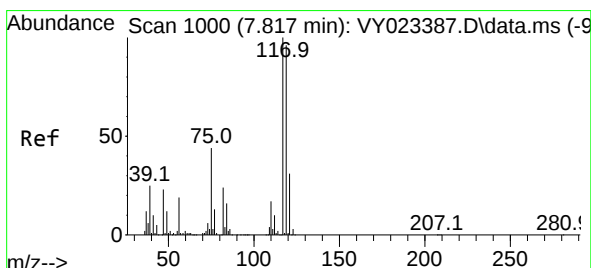
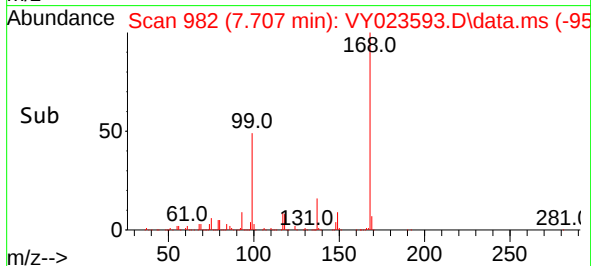
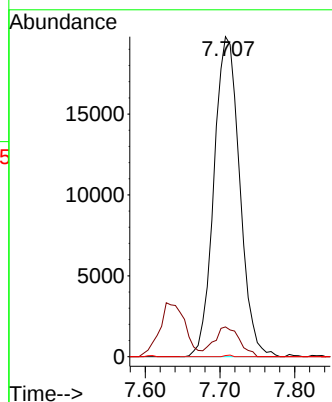
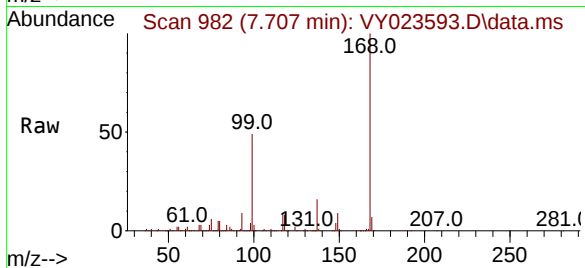
Tgt Ion: 75 Resp: 47382

Ion Ratio Lower Upper

75 100

110 9.0 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.460 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023593.D

Acq: 27 Oct 2025 12:54

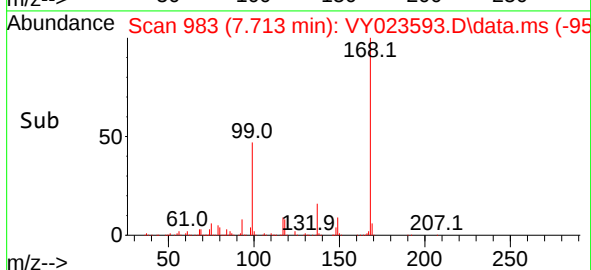
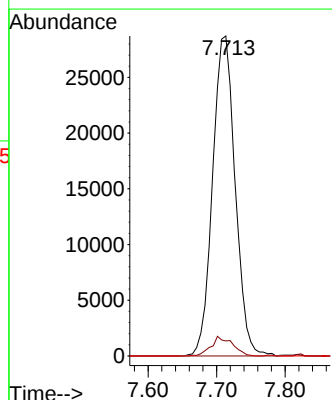
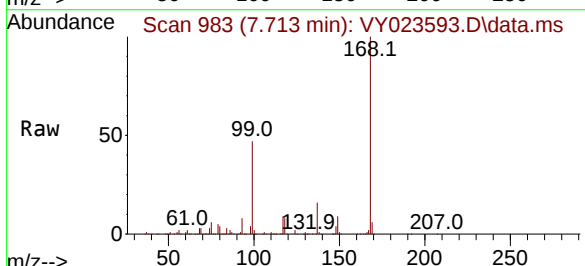
Tgt Ion: 117 Resp: 65633

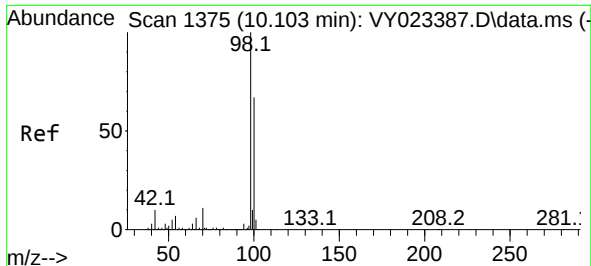
Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

121 0.0 24.5 36.7#

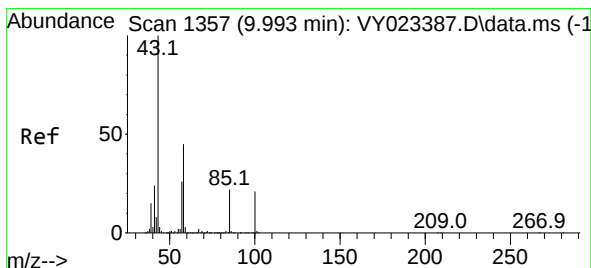
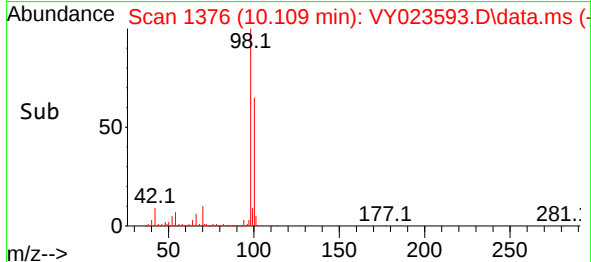
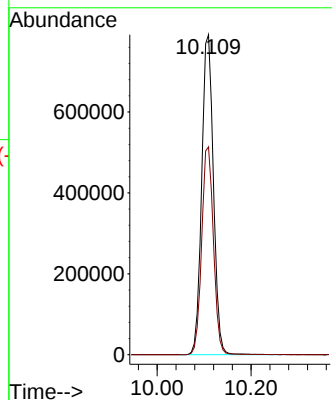
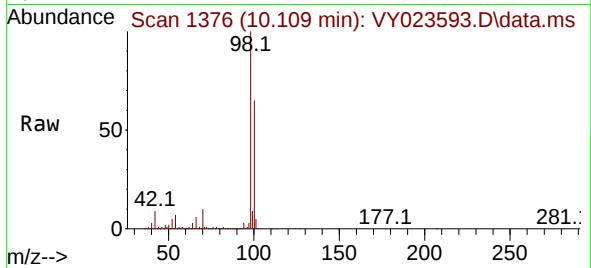




#50
Toluene-d8
Concen: 48.992 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

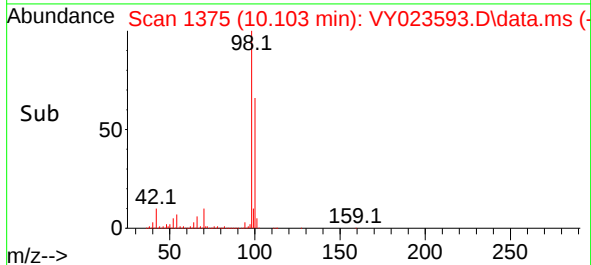
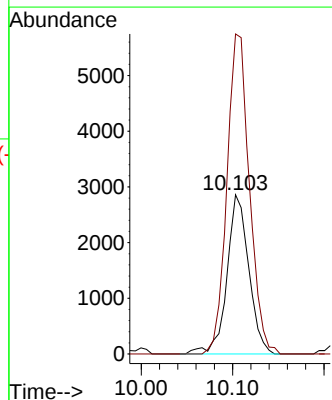
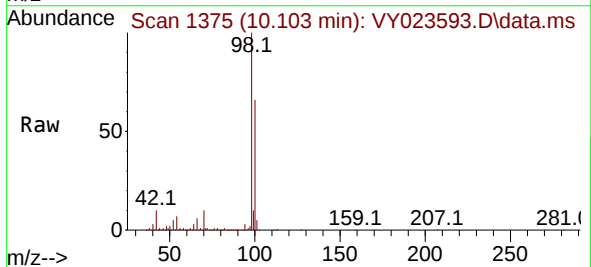
Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

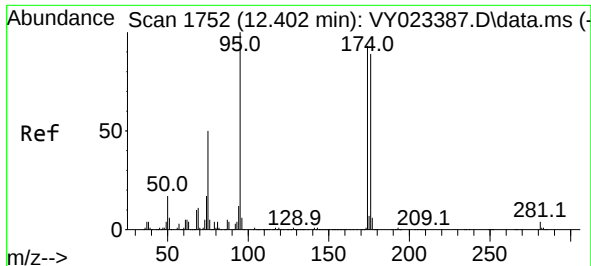
Tgt Ion: 98 Resp: 1366327
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.173 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 43 Resp: 4747
Ion Ratio Lower Upper
43 100
58 207.1 35.3 52.9

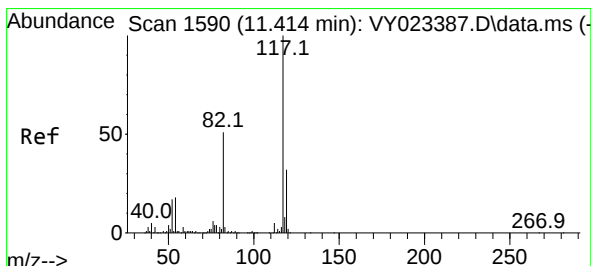
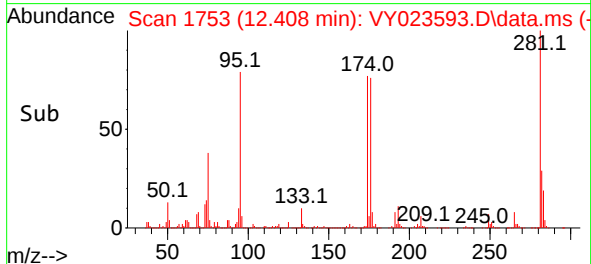
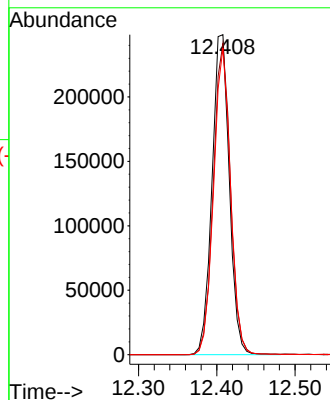
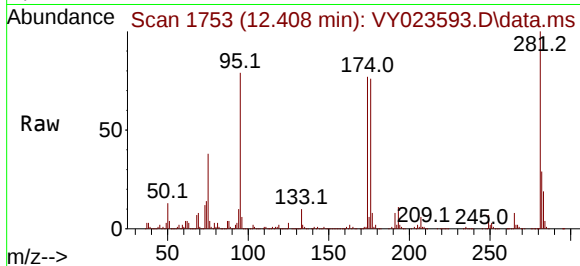




#62
4-Bromofluorobenzene
Concen: 41.453 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

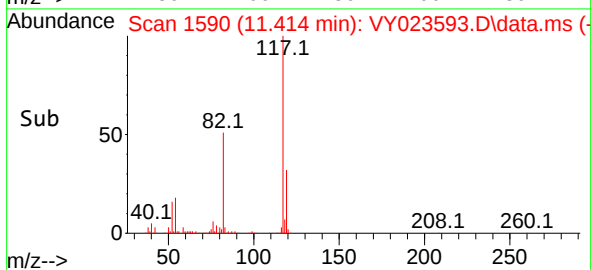
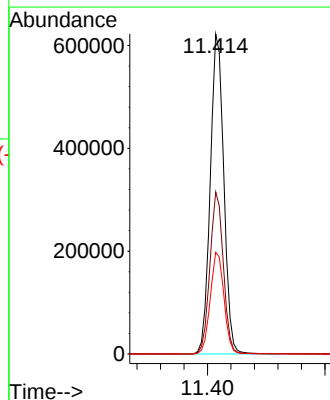
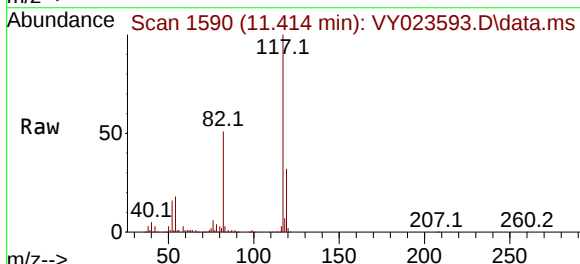
Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

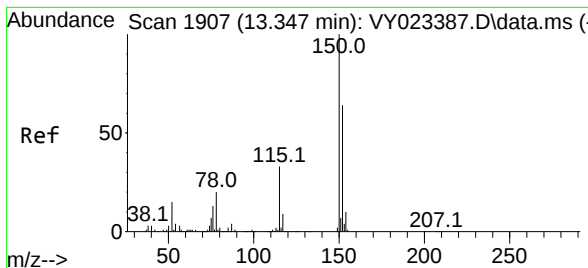
Tgt Ion: 95 Resp: 381673
Ion Ratio Lower Upper
95 100
174 96.2 0.0 192.8
176 93.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 117 Resp: 996988
Ion Ratio Lower Upper
117 100
82 50.6 41.0 61.4
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023593.D

Acq: 27 Oct 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

B7-1.5-2.0-20251023

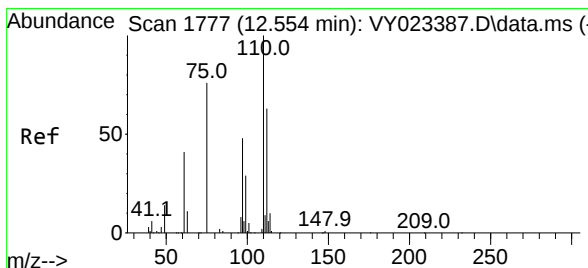
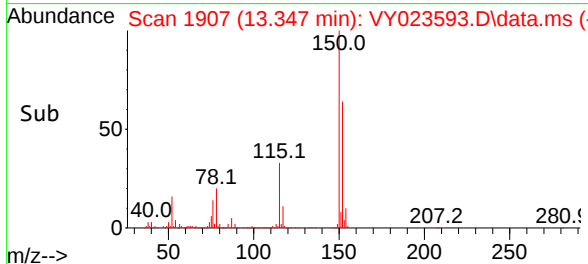
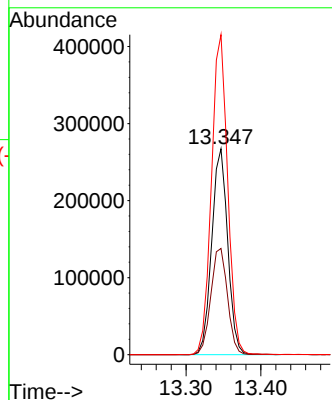
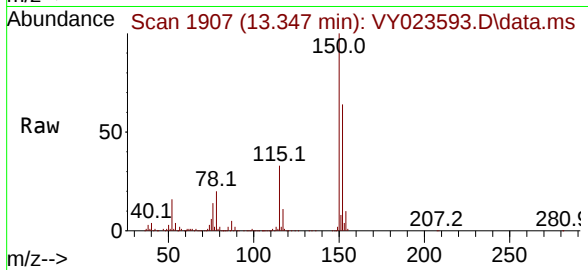
Tgt Ion:152 Resp: 398135

Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.2

150 157.4 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 54.017 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023593.D

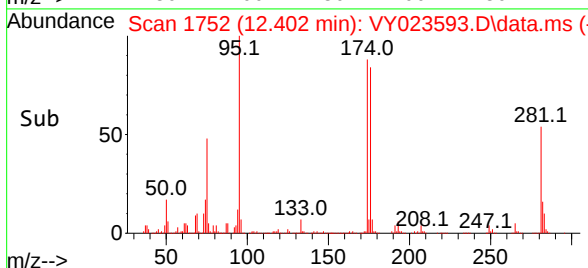
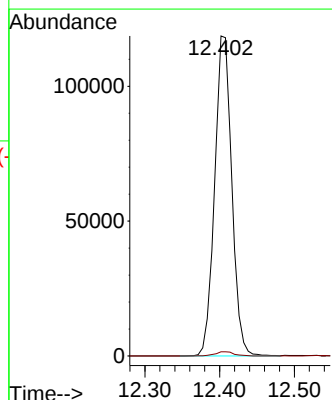
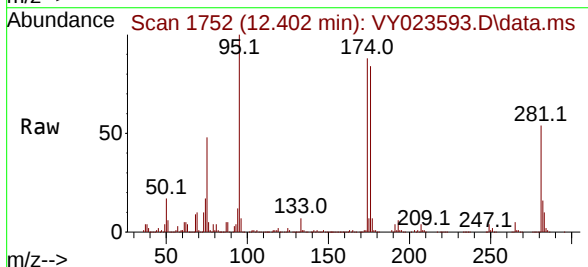
Acq: 27 Oct 2025 12:54

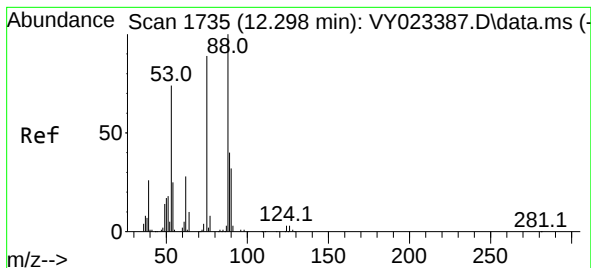
Tgt Ion: 75 Resp: 189741

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.460 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023593.D
 Acq: 27 Oct 2025 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 B7-1.5-2.0-20251023

Tgt Ion: 75 Resp: 189741
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 1.5 39.0 58.4#

