

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022646.D
 Acq On : 10 Jun 2025 13:32
 Operator : SY/MD
 Sample : Q2251-07
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-780-782

Quant Time: Jun 11 01:51:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

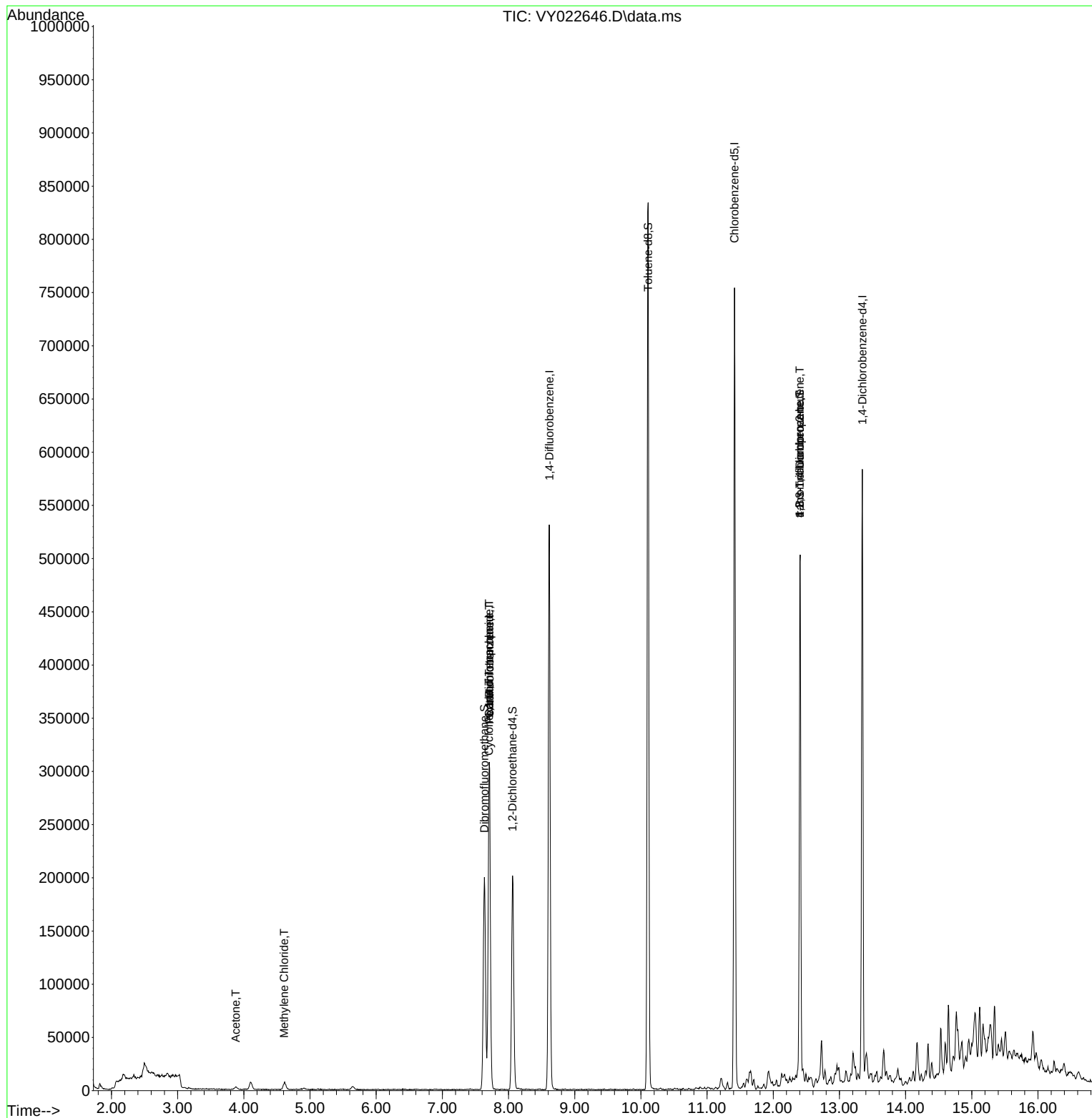
Internal Standards						
1) Pentafluorobenzene	7.713	168	224920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	427327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	355146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152224	60.512	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.020%	
35) Dibromofluoromethane	7.634	113	137541	53.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.840%	
50) Toluene-d8	10.109	98	521480	50.599	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	12.401	95	134165	43.692	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.380%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	4432	8.675	ug/l	93
20) Methylene Chloride	4.610	84	4001	1.379	ug/l	97
31) Cyclohexane	7.701	56	6557	1.356	ug/l #	34
36) 1,1-Dichloropropene	7.707	75	20600	4.976	ug/l #	51
38) Carbon Tetrachloride	7.707	117	23384	5.506	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	81976	55.901	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	81976	134.996	ug/l #	10

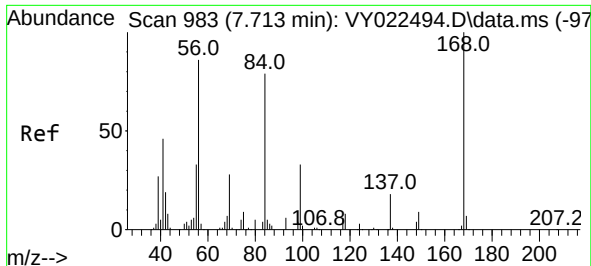
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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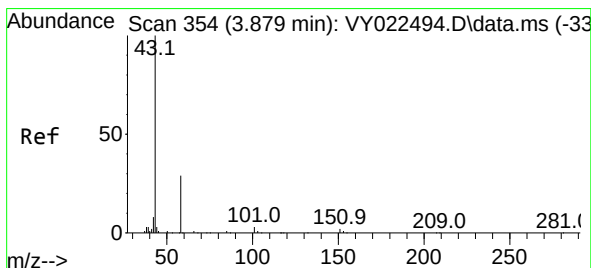
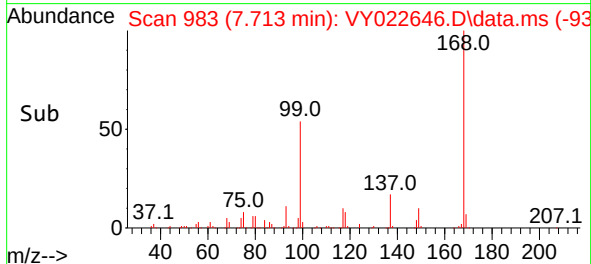
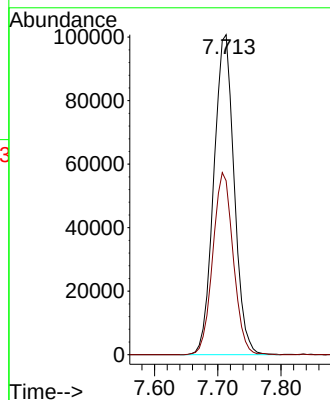
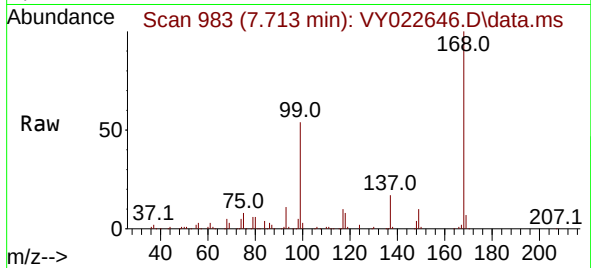




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

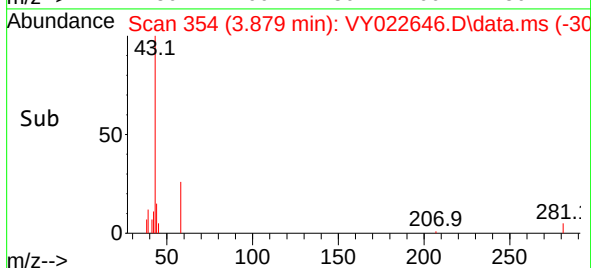
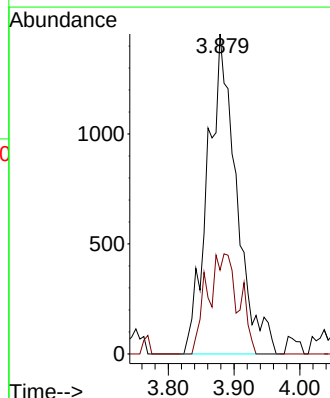
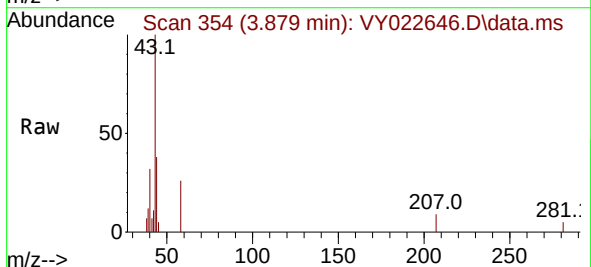
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

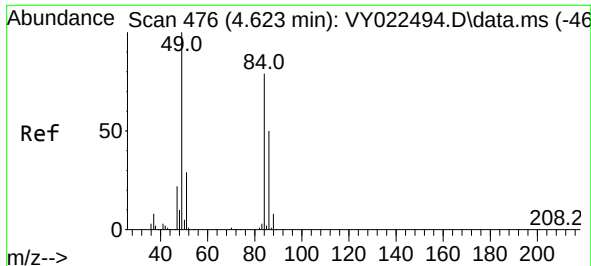
Tgt Ion:168 Resp: 224920
Ion Ratio Lower Upper
168 100
99 54.3 44.3 66.5



#16
Acetone
Concen: 8.675 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

Tgt Ion: 43 Resp: 4432
Ion Ratio Lower Upper
43 100
58 26.2 24.0 36.0

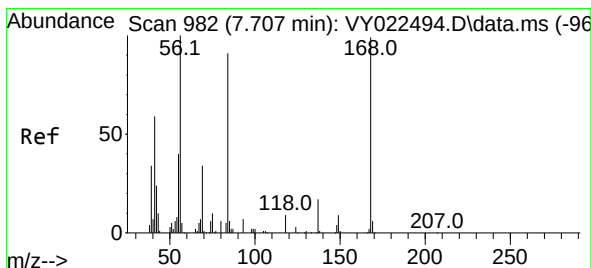
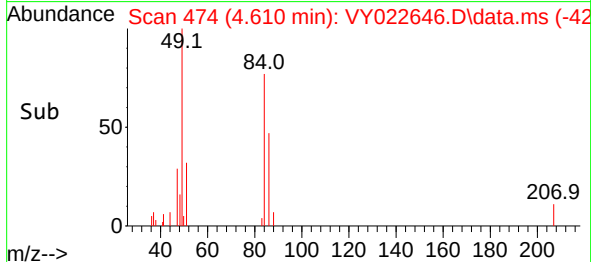
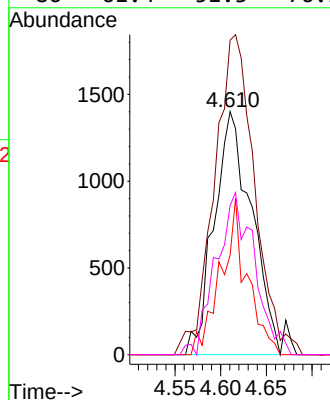
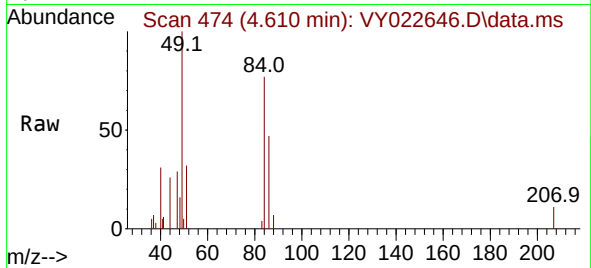




#20
Methylene Chloride
Concen: 1.379 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

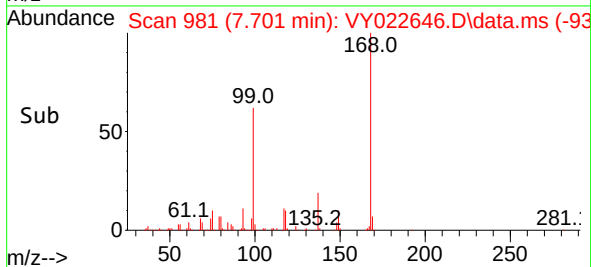
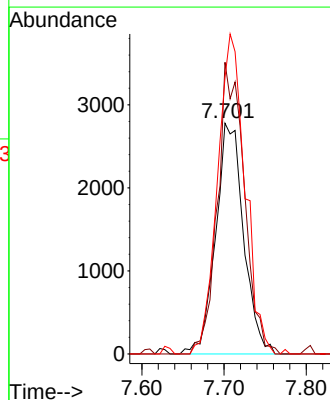
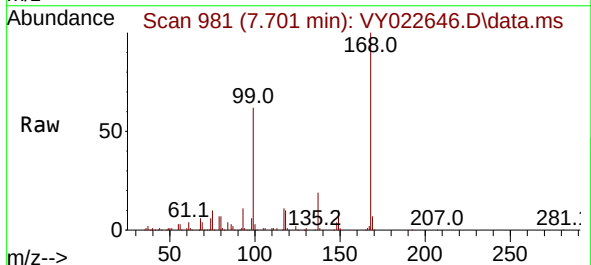
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

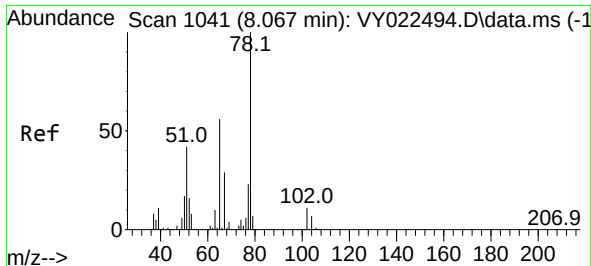
Tgt Ion:	84	Resp:	4001
Ion	Ratio	Lower	Upper
84	100		
49	124.5	101.9	152.9
51	41.0	29.8	44.8
86	61.4	51.3	76.9



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

Tgt Ion:	56	Resp:	6557
Ion	Ratio	Lower	Upper
56	100		
69	126.4	27.0	40.6#
84	119.7	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 60.512 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022646.D

Acq: 10 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

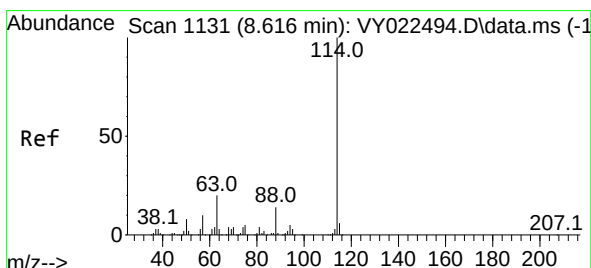
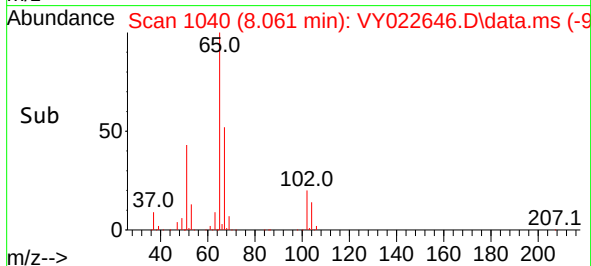
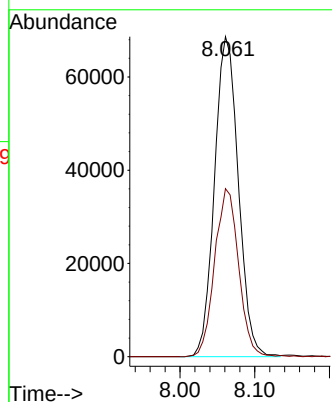
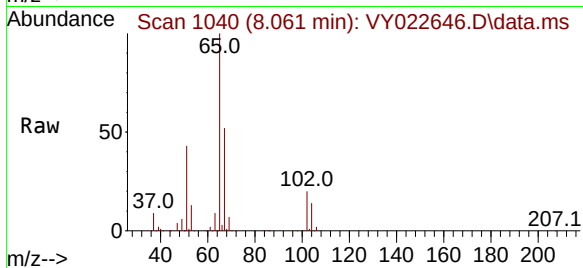
BP-VPB-182-GW-780-782

Tgt Ion: 65 Resp: 152224

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022646.D

Acq: 10 Jun 2025 13:32

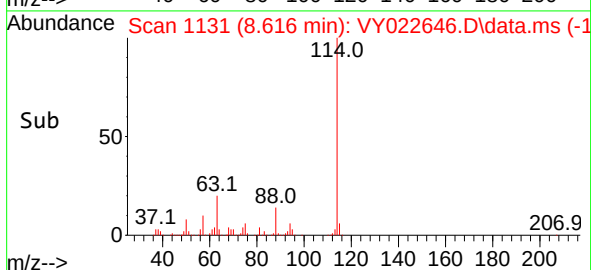
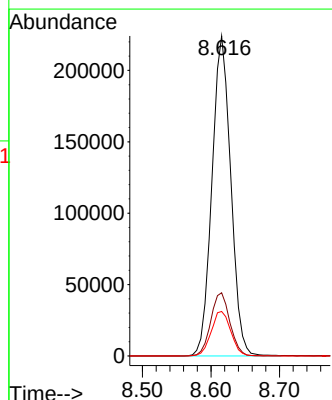
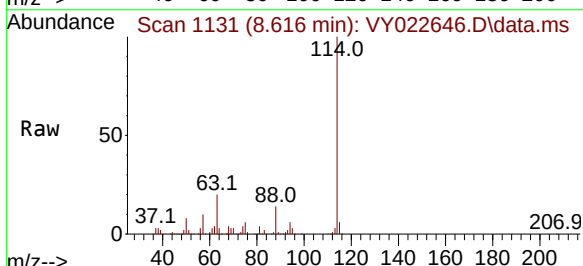
Tgt Ion: 114 Resp: 427327

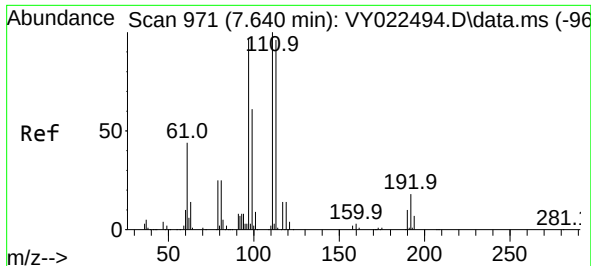
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 13.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 53.924 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022646.D

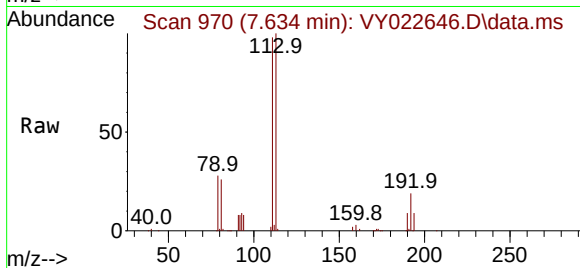
Acq: 10 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-780-782



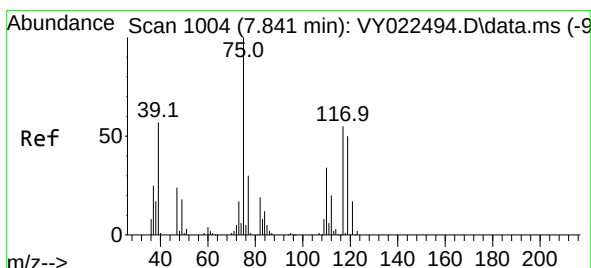
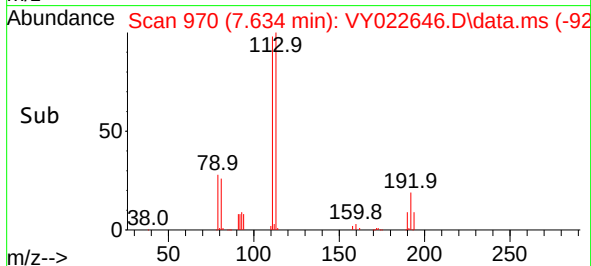
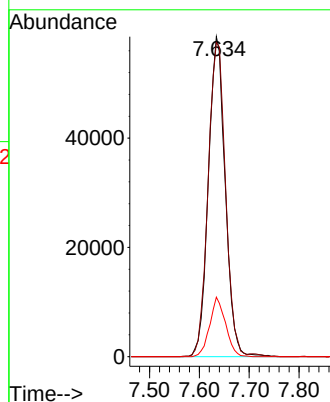
Tgt Ion:113 Resp: 137541

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

192 17.6 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022646.D

Acq: 10 Jun 2025 13:32

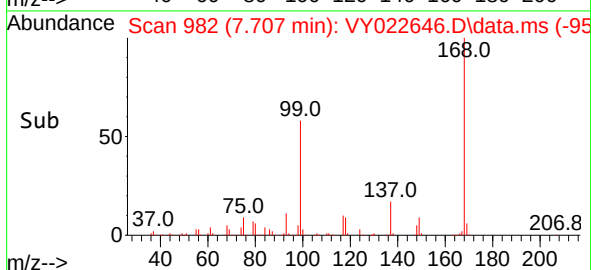
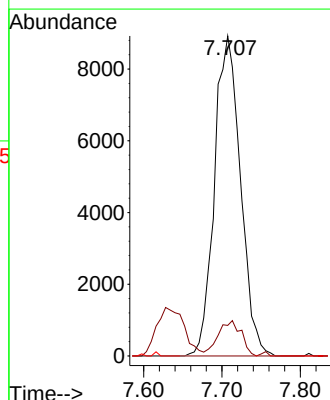
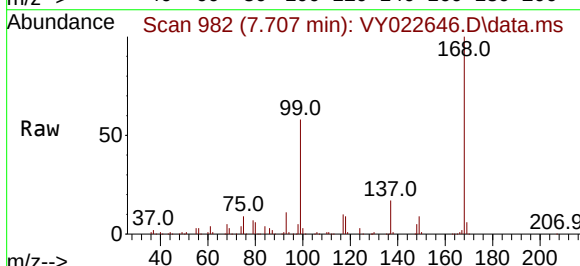
Tgt Ion: 75 Resp: 20600

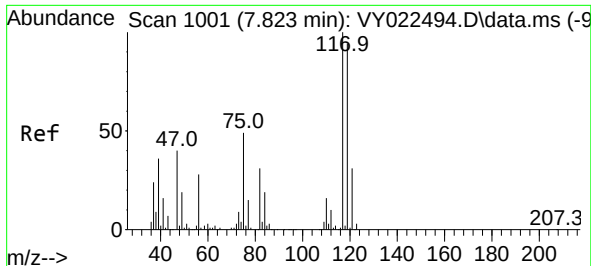
Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.7#

77 0.0 24.8 37.2#

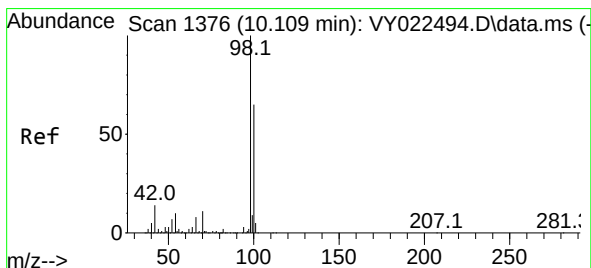
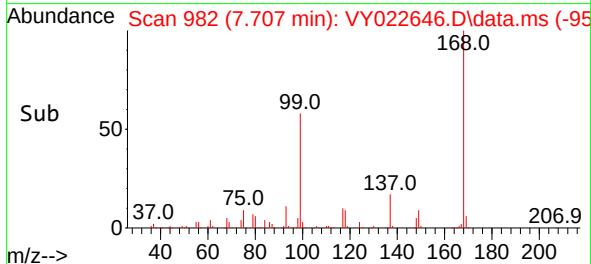
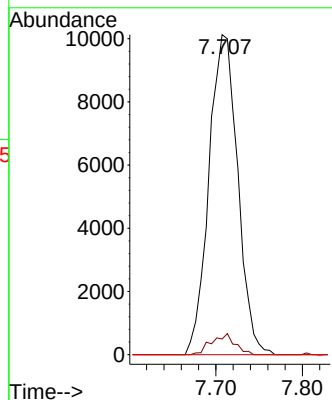
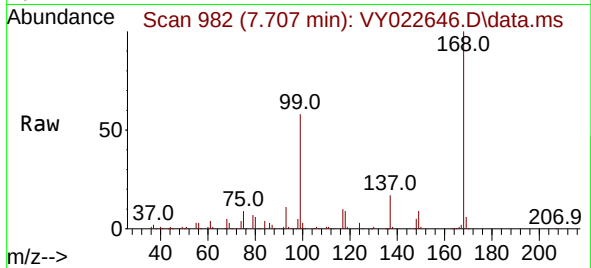




#38
Carbon Tetrachloride
Concen: 5.506 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

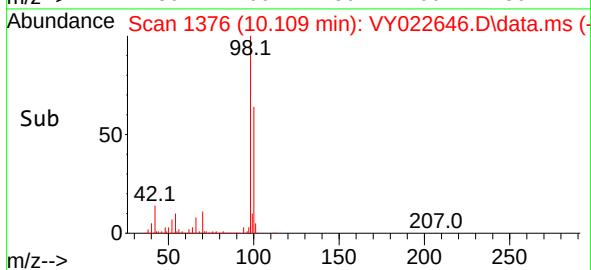
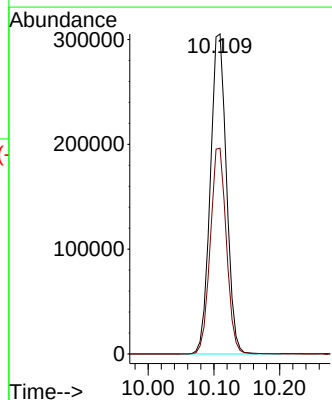
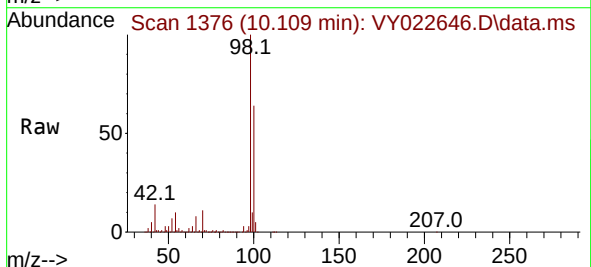
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

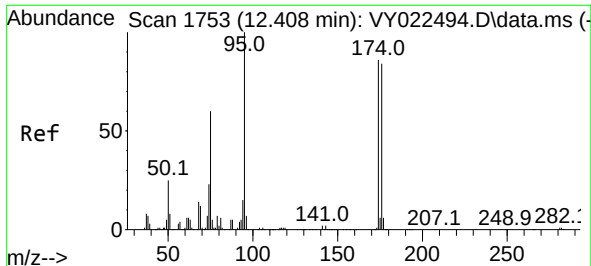
Tgt Ion:117 Resp: 23384
Ion Ratio Lower Upper
117 100
119 4.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.599 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

Tgt Ion: 98 Resp: 521480
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

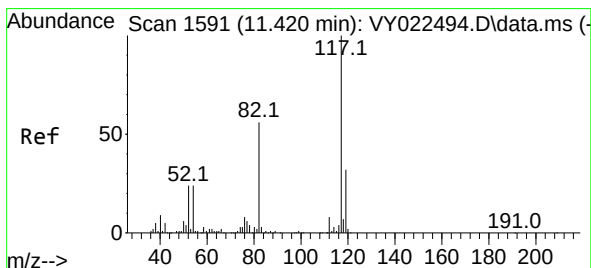
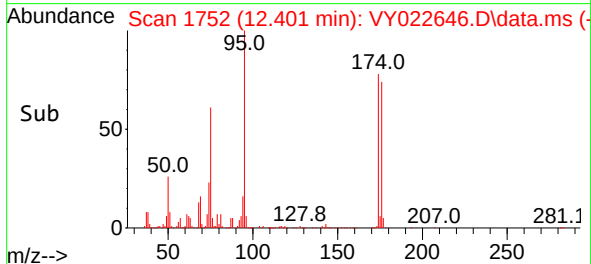
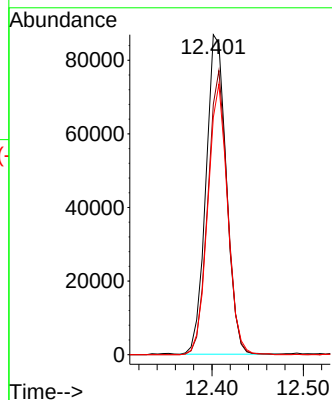
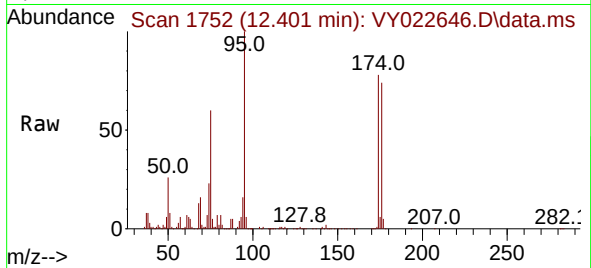




#62
4-Bromofluorobenzene
Concen: 43.692 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

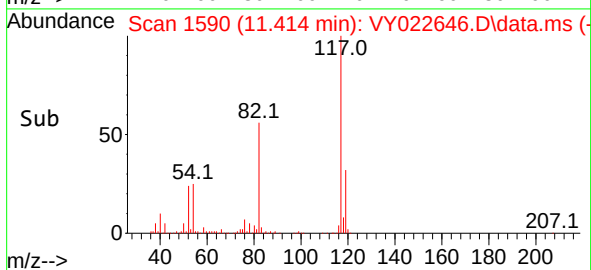
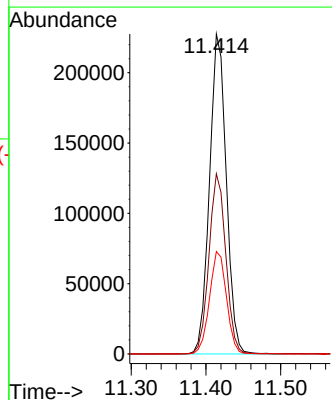
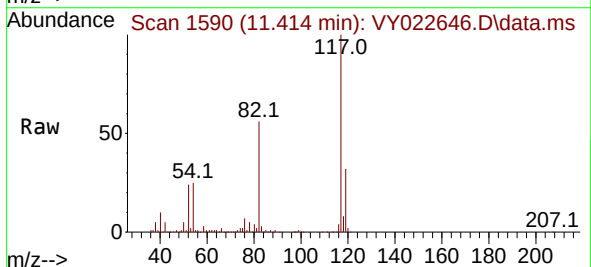
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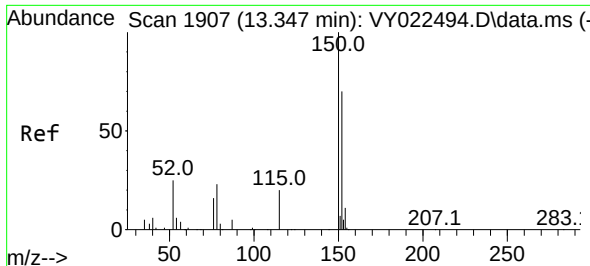
Tgt Ion: 95 Resp: 134165
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 82.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022646.D
Acq: 10 Jun 2025 13:32

Tgt Ion: 117 Resp: 355146
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 32.0 25.4 38.0

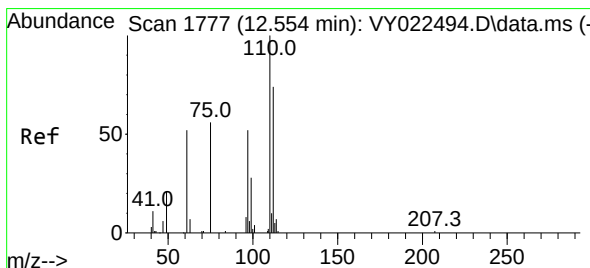
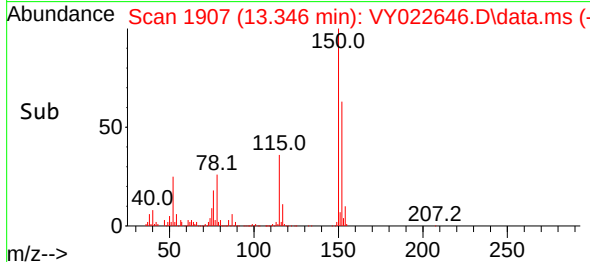
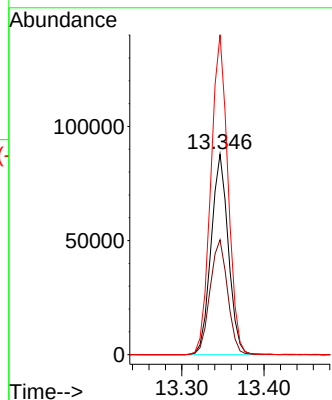
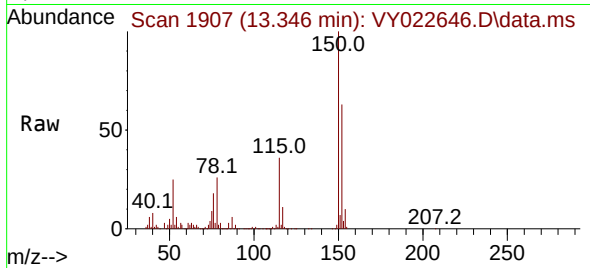




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022646.D
 Acq: 10 Jun 2025 13:32

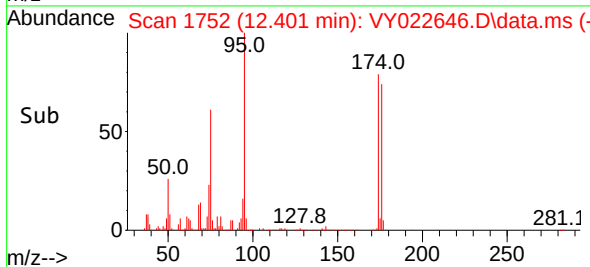
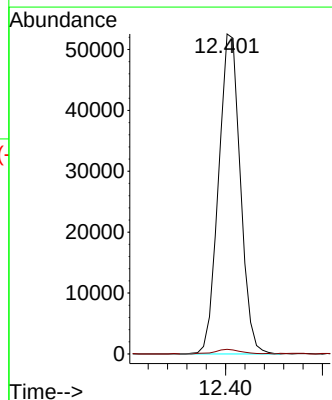
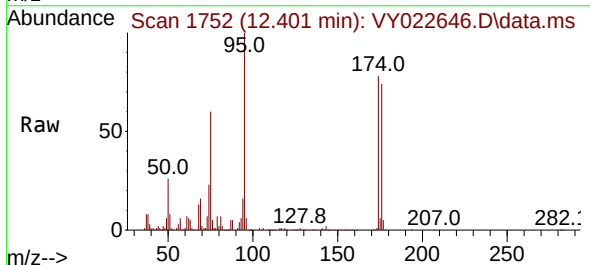
Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-780-782

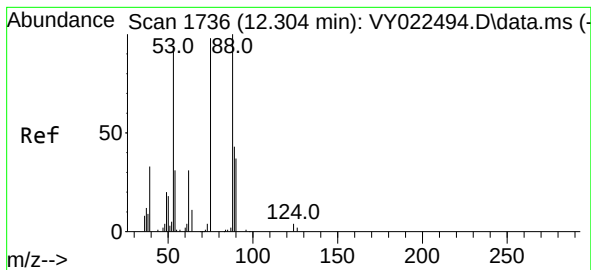
Tgt Ion:152 Resp: 128183
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.9 86.7
 150 158.6 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 55.901 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022646.D
 Acq: 10 Jun 2025 13:32

Tgt Ion: 75 Resp: 81976
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 134.996 ug/l

RT: 12.401 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY022646.D

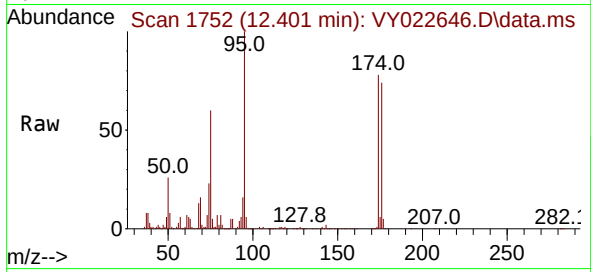
Acq: 10 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-780-782



Tgt Ion: 75 Resp: 81976

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 35.7 53.5#

