

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022635.D
 Acq On : 09 Jun 2025 17:07
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

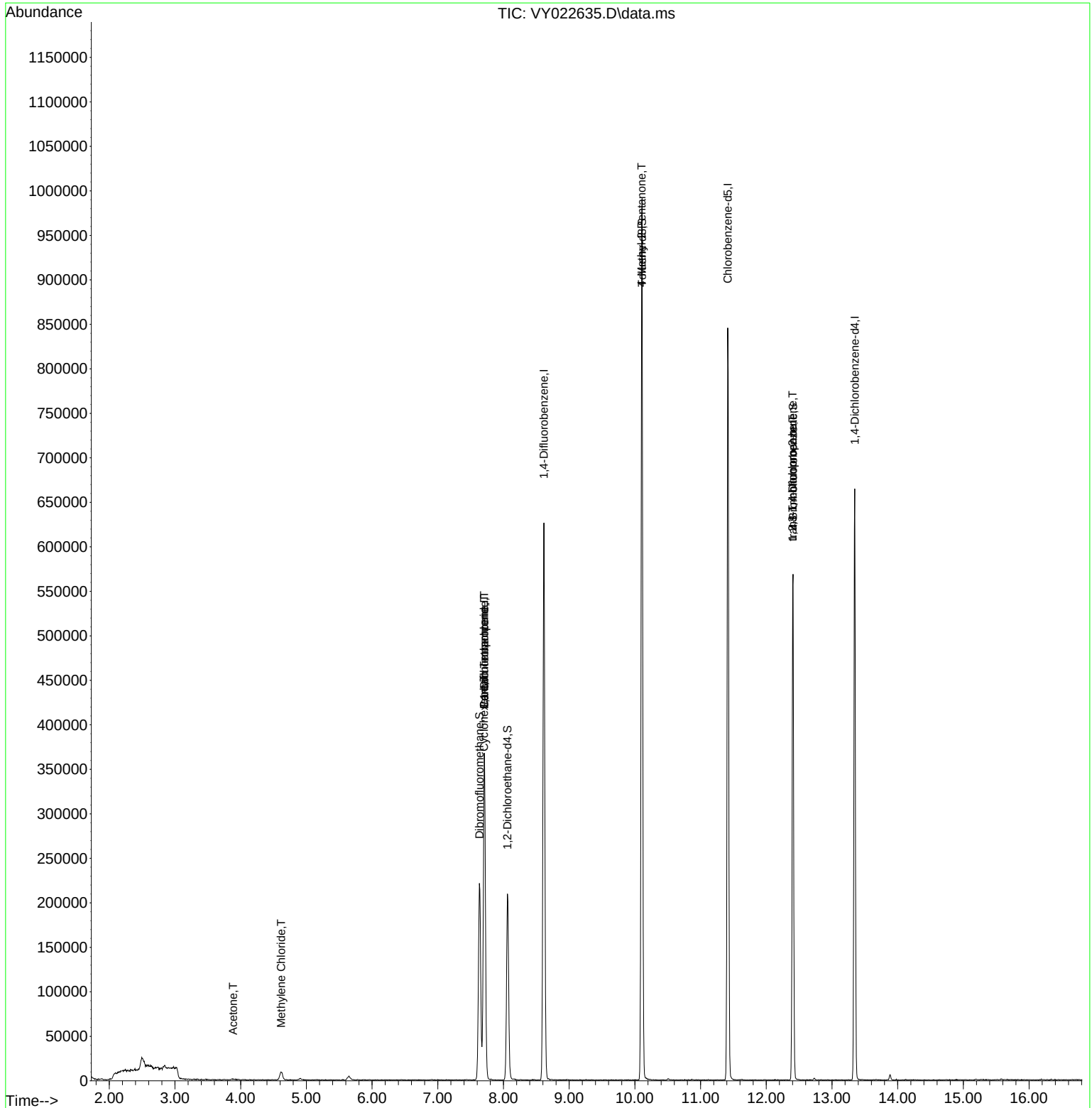
Quant Time: Jun 10 01:32:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

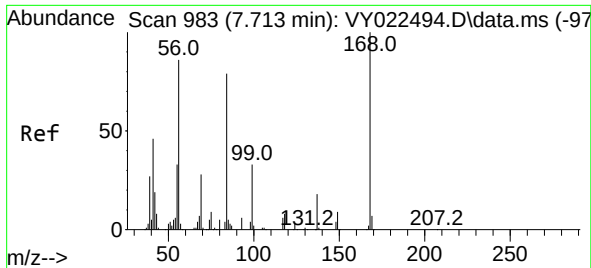
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	267029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	502563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	409982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157755	52.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.640%	
35) Dibromofluoromethane	7.634	113	152008	50.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.340%	
50) Toluene-d8	10.109	98	612492	50.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	12.408	95	155275	42.996	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.000%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1508	2.486	ug/l #	70
20) Methylene Chloride	4.616	84	6415	1.862	ug/l #	92
31) Cyclohexane	7.701	56	7631	1.330	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	24391	5.010	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28067	5.620	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	3274	1.400	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	93134	53.747	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	93134	129.795	ug/l #	10

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

Quant Time: Jun 10 01:32:05 2025
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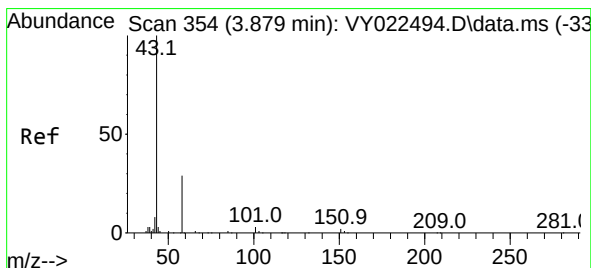
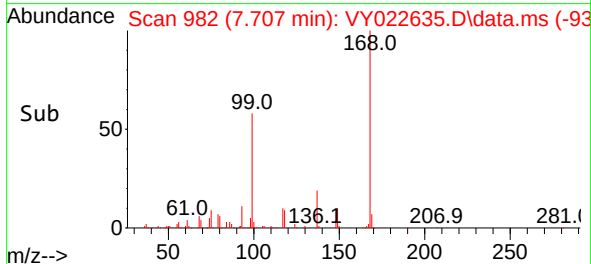
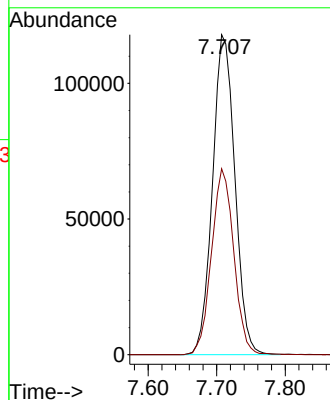
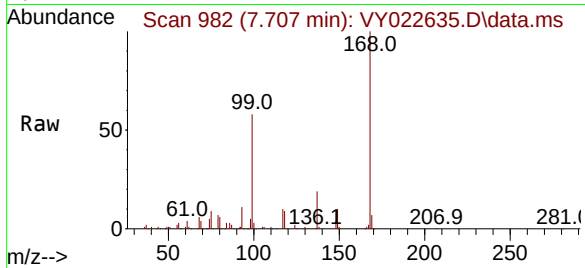




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022635.D
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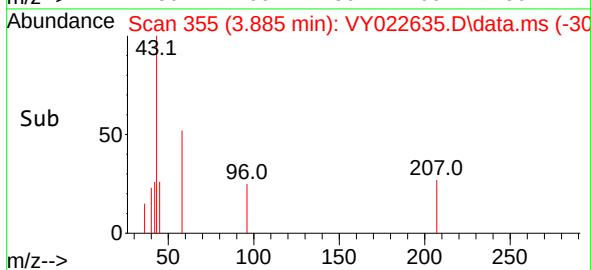
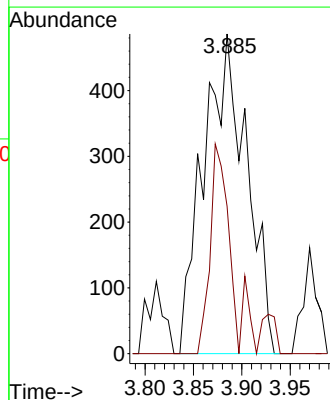
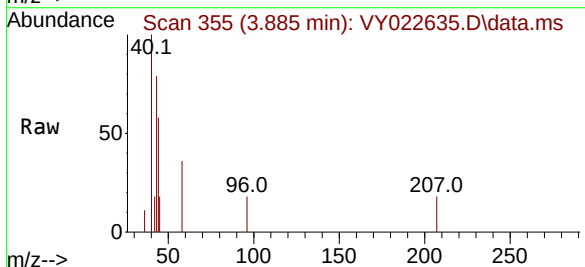
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MSVOA_Y
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VIBLK

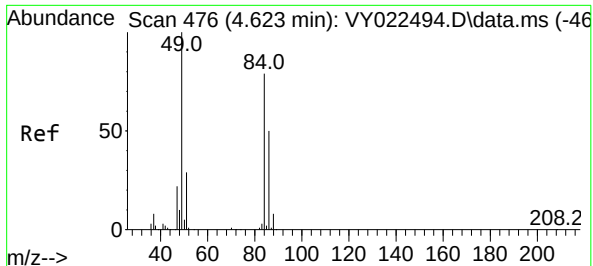
Tgt Ion:168 Resp: 267029
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5



#16
Acetone
Concen: 2.486 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
58 46.1 24.0 36.0#

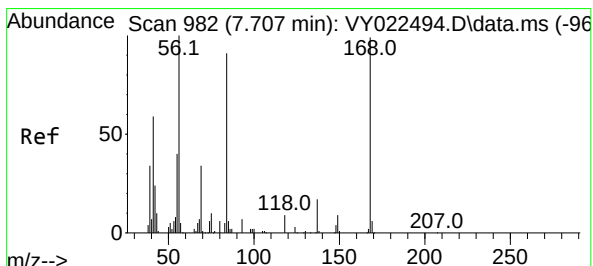
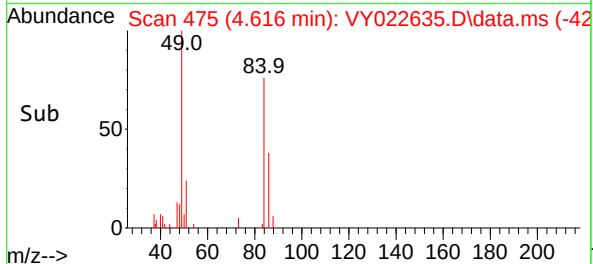
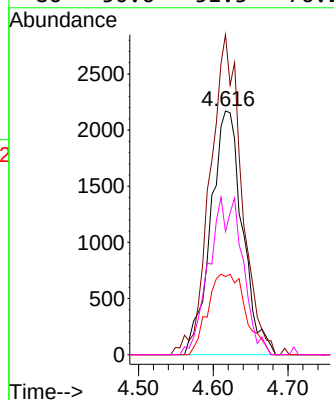
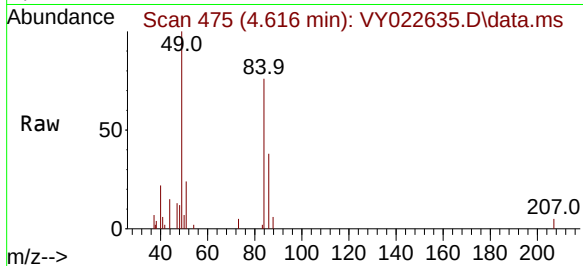




#20
Methylene Chloride
Concen: 1.862 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

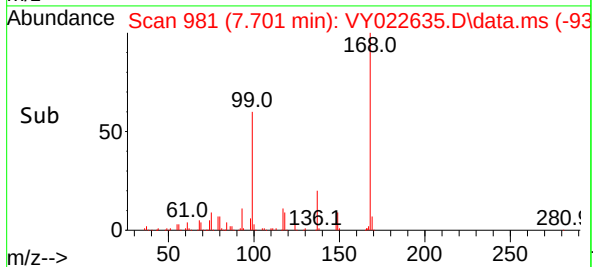
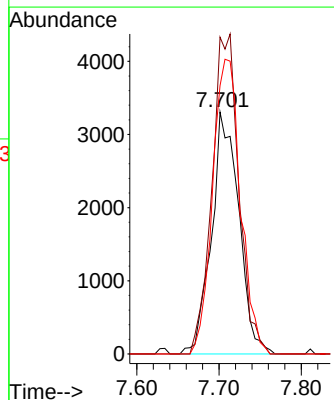
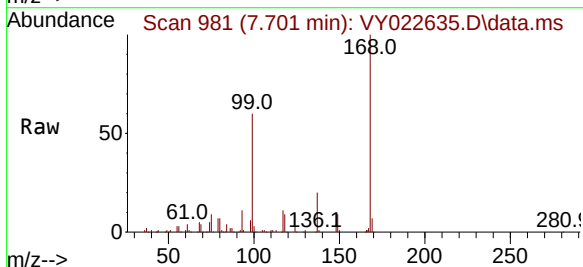
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

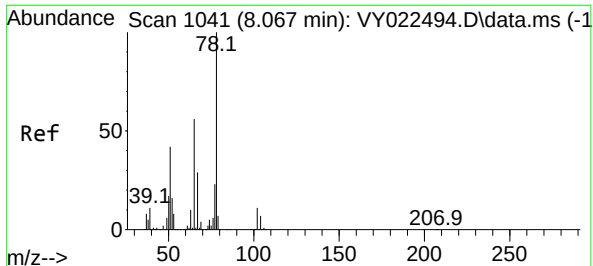
Tgt Ion:	84	Resp:	6415
Ion	Ratio	Lower	Upper
84	100		
49	131.3	101.9	152.9
51	32.0	29.8	44.8
86	50.6	51.3	76.9#



#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion:	56	Resp:	7631
Ion	Ratio	Lower	Upper
56	100		
69	131.0	27.0	40.6#
84	110.9	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 52.821 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022635.D

Acq: 09 Jun 2025 17:07

Instrument :

MSVOA_Y

ClientSampleId :

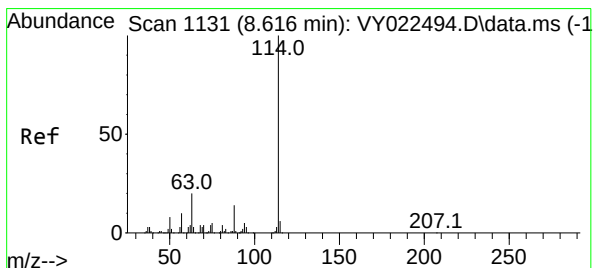
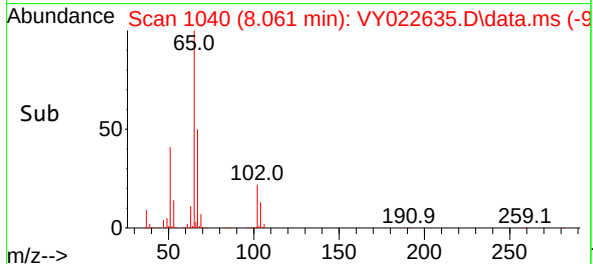
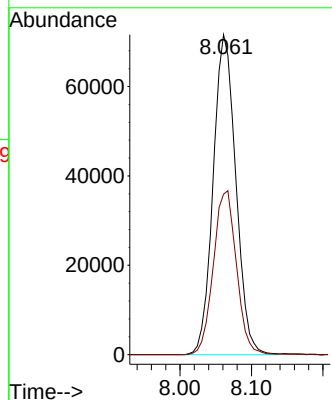
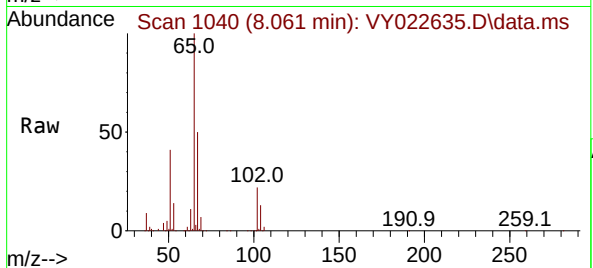
VIBLK

Tgt Ion: 65 Resp: 157755

Ion Ratio Lower Upper

65 100

67 52.3 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: VY022635.D

Acq: 09 Jun 2025 17:07

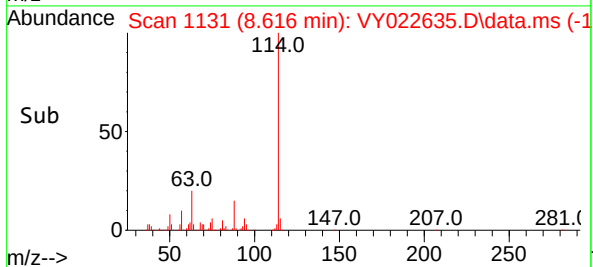
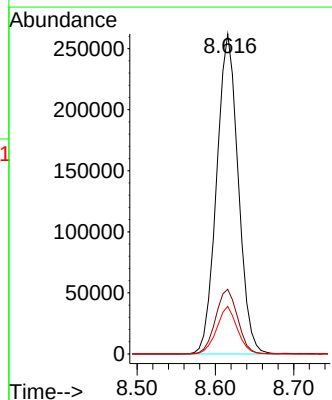
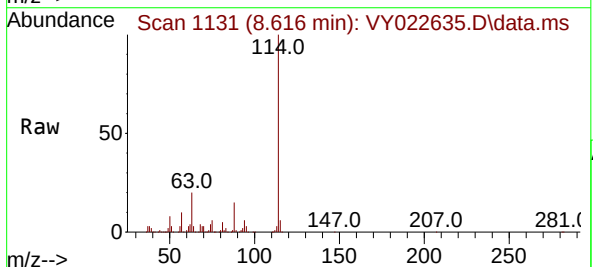
Tgt Ion:114 Resp: 502563

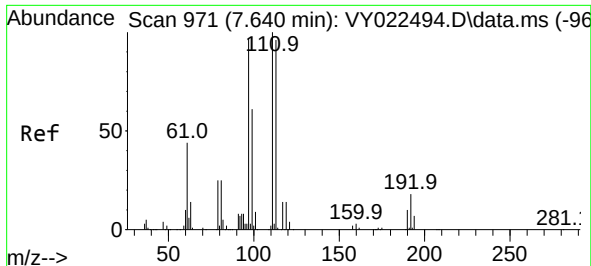
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.9 0.0 27.8

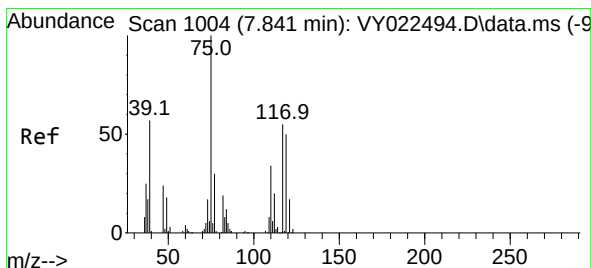
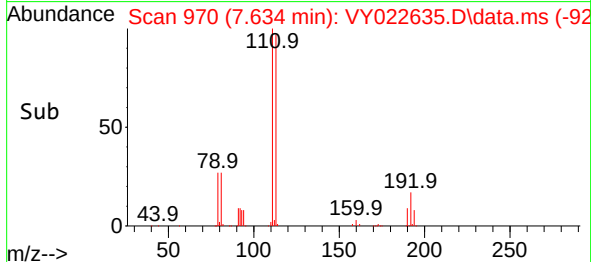
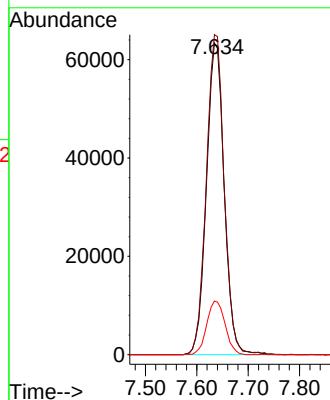
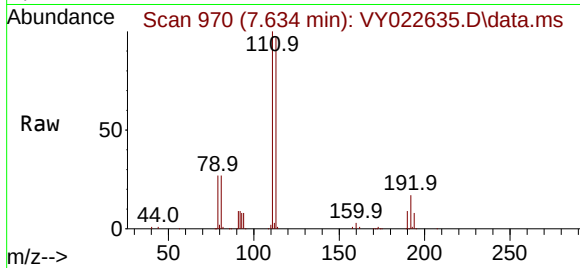




#35
Dibromofluoromethane
Concen: 50.674 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

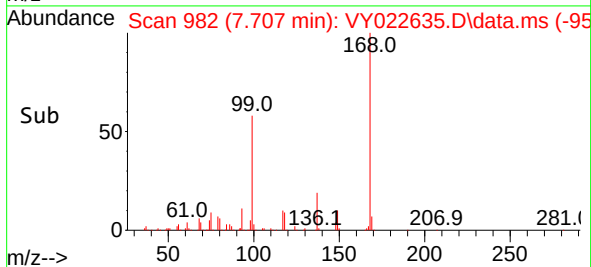
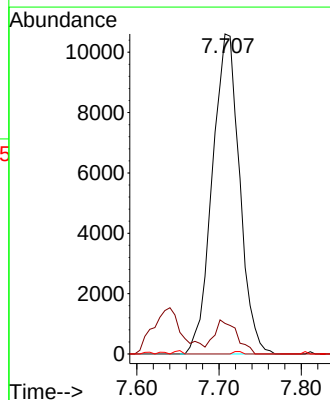
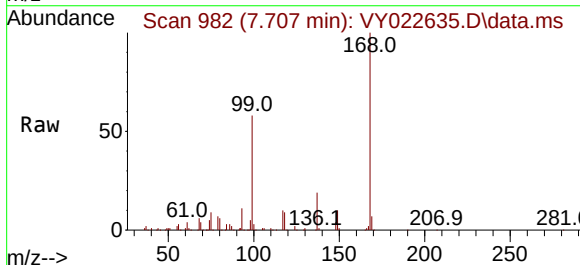
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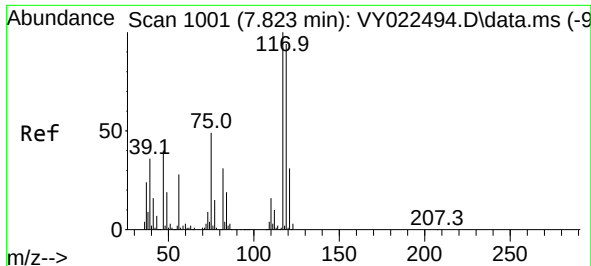
Tgt Ion:113 Resp: 152008
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 17.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion: 75 Resp: 24391
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.2 24.8 37.2#

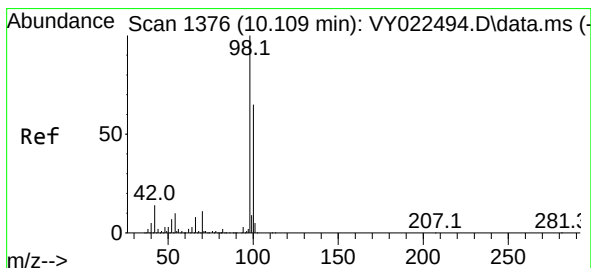
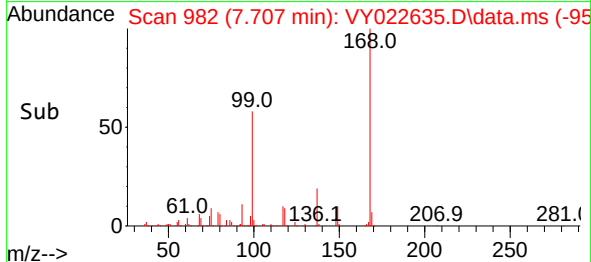
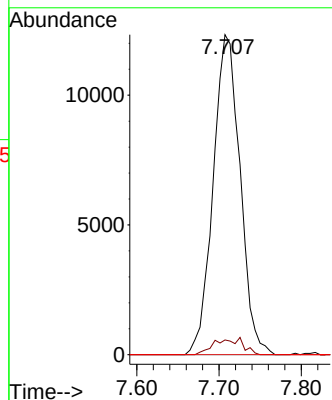
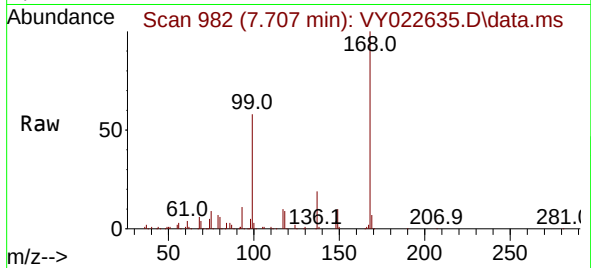




#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

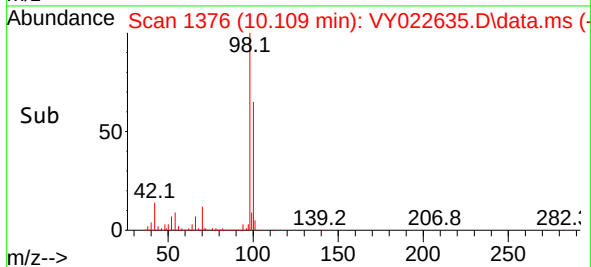
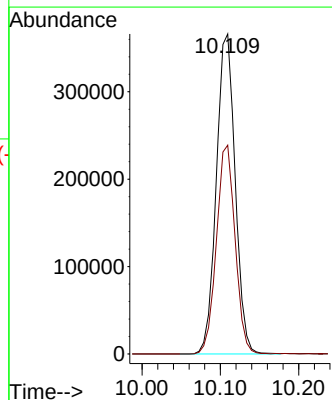
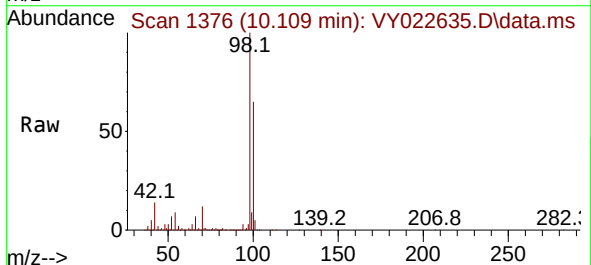
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

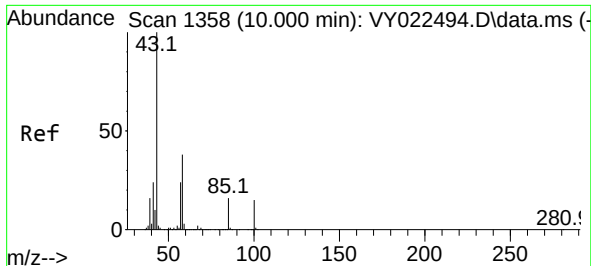
Tgt Ion:117 Resp: 28067
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.533 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion: 98 Resp: 612492
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

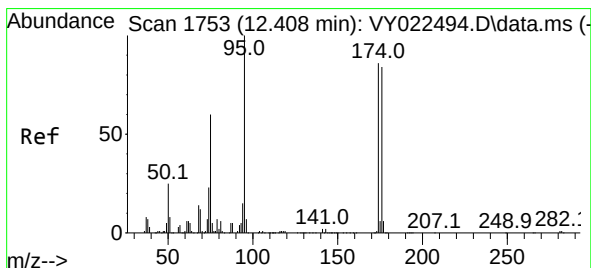
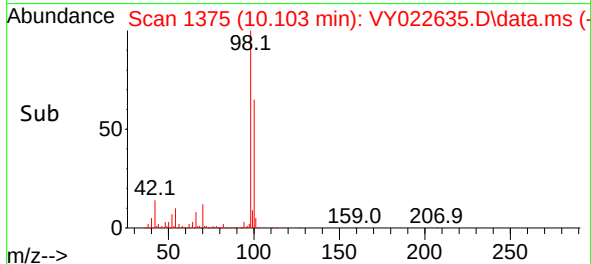
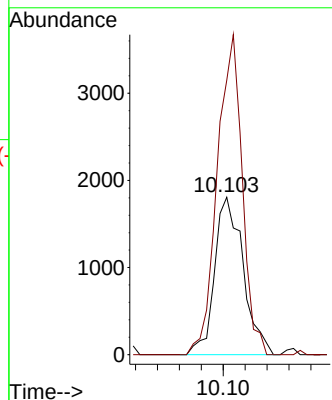
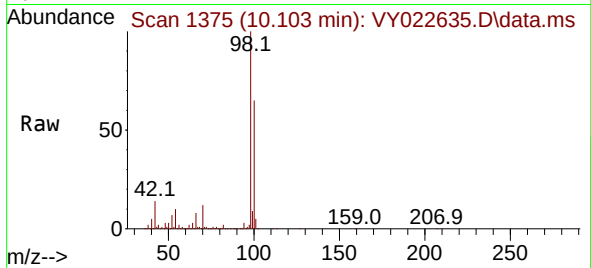




#51
4-Methyl-2-Pentanone
Concen: 1.400 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

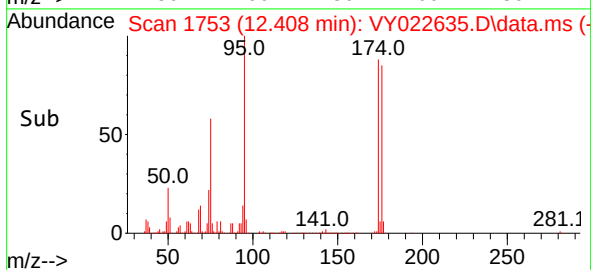
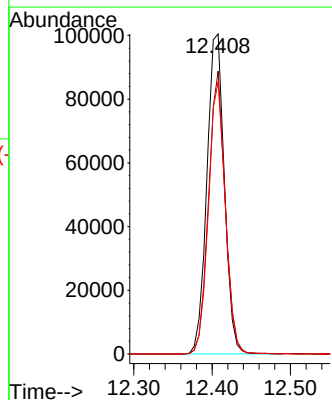
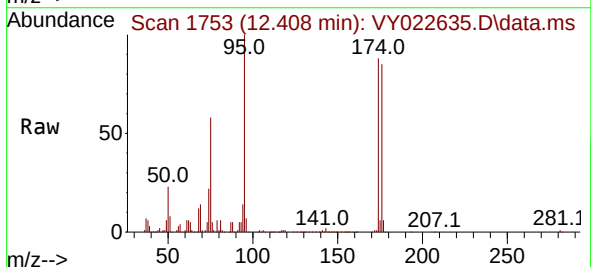
Instrument :
MSVOA_Y
ClientSampleId :
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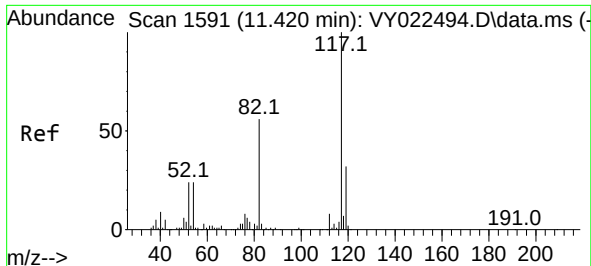
Tgt Ion: 43 Resp: 3274
Ion Ratio Lower Upper
43 100
58 177.7 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 42.996 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion: 95 Resp: 155275
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.0
176 82.2 0.0 166.2

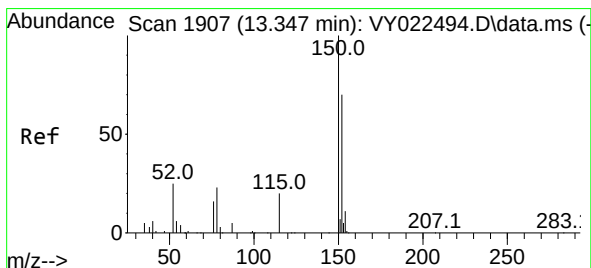
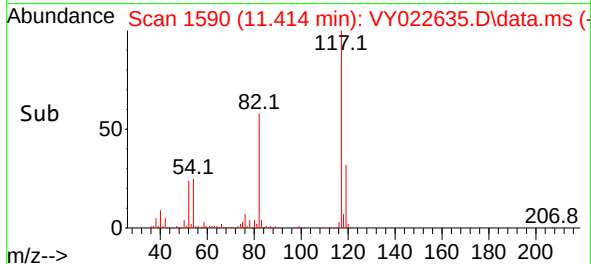
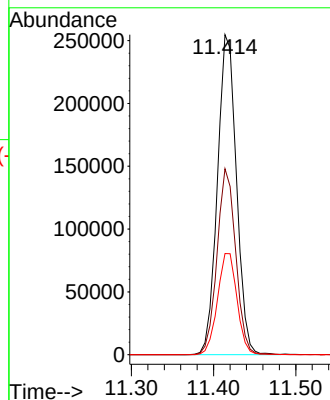
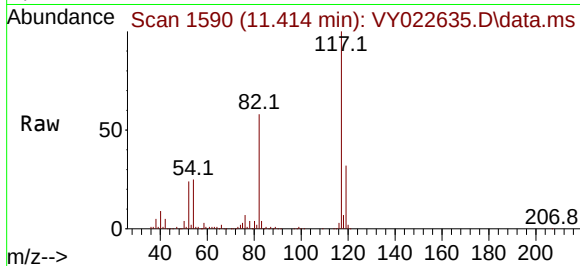




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

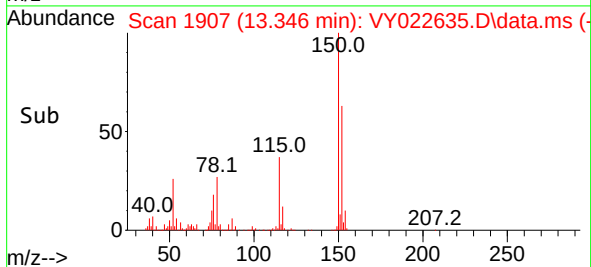
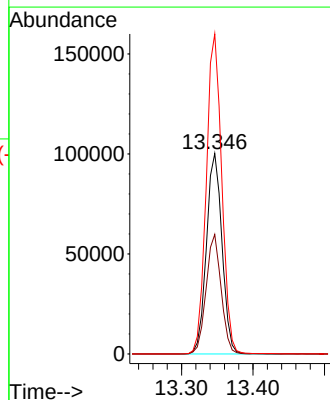
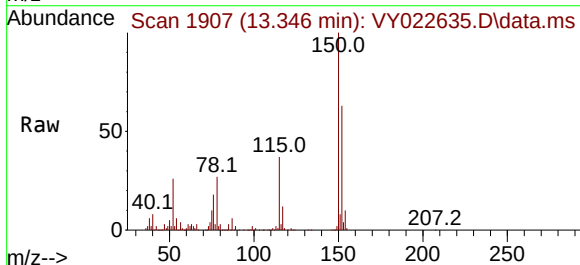
Instrument :
MSVOA_Y
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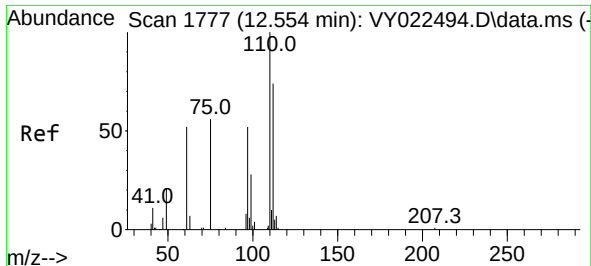
Tgt Ion:117 Resp: 409982
Ion Ratio Lower Upper
117 100
82 58.1 44.6 66.8
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022635.D
Acq: 09 Jun 2025 17:07

Tgt Ion:152 Resp: 151466
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 158.7 0.0 349.6

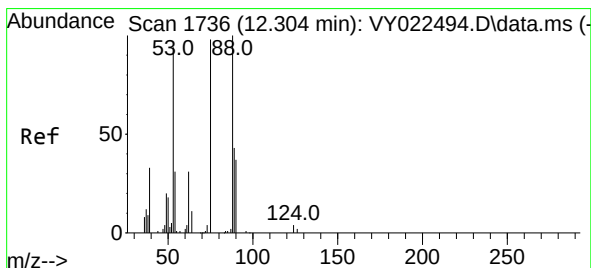
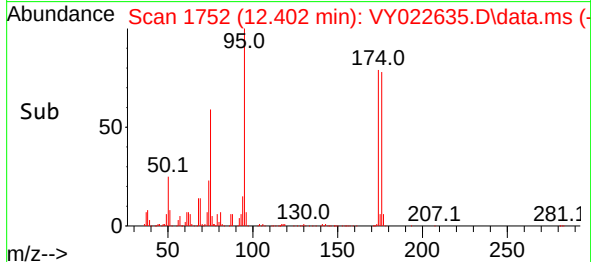
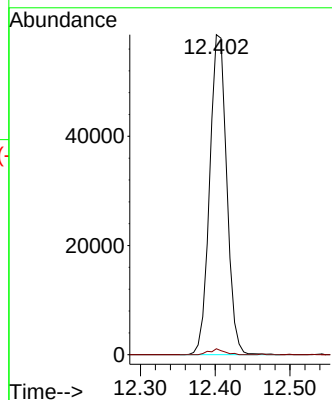
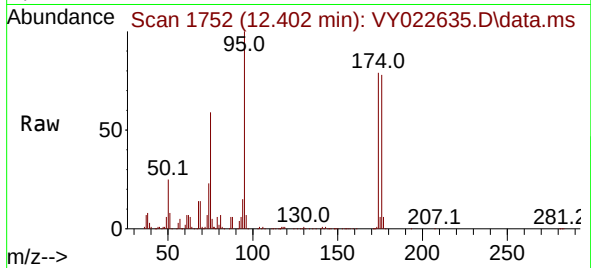




#76
 1,2,3-Trichloropropane
 Concen: 53.747 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022635.D
 Acq: 09 Jun 2025 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 93134
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.795 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022635.D
 Acq: 09 Jun 2025 17:07

Tgt Ion: 75 Resp: 93134
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#

