

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023749.D
 Acq On : 11 Nov 2025 18:45
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 12 03:41:06 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)

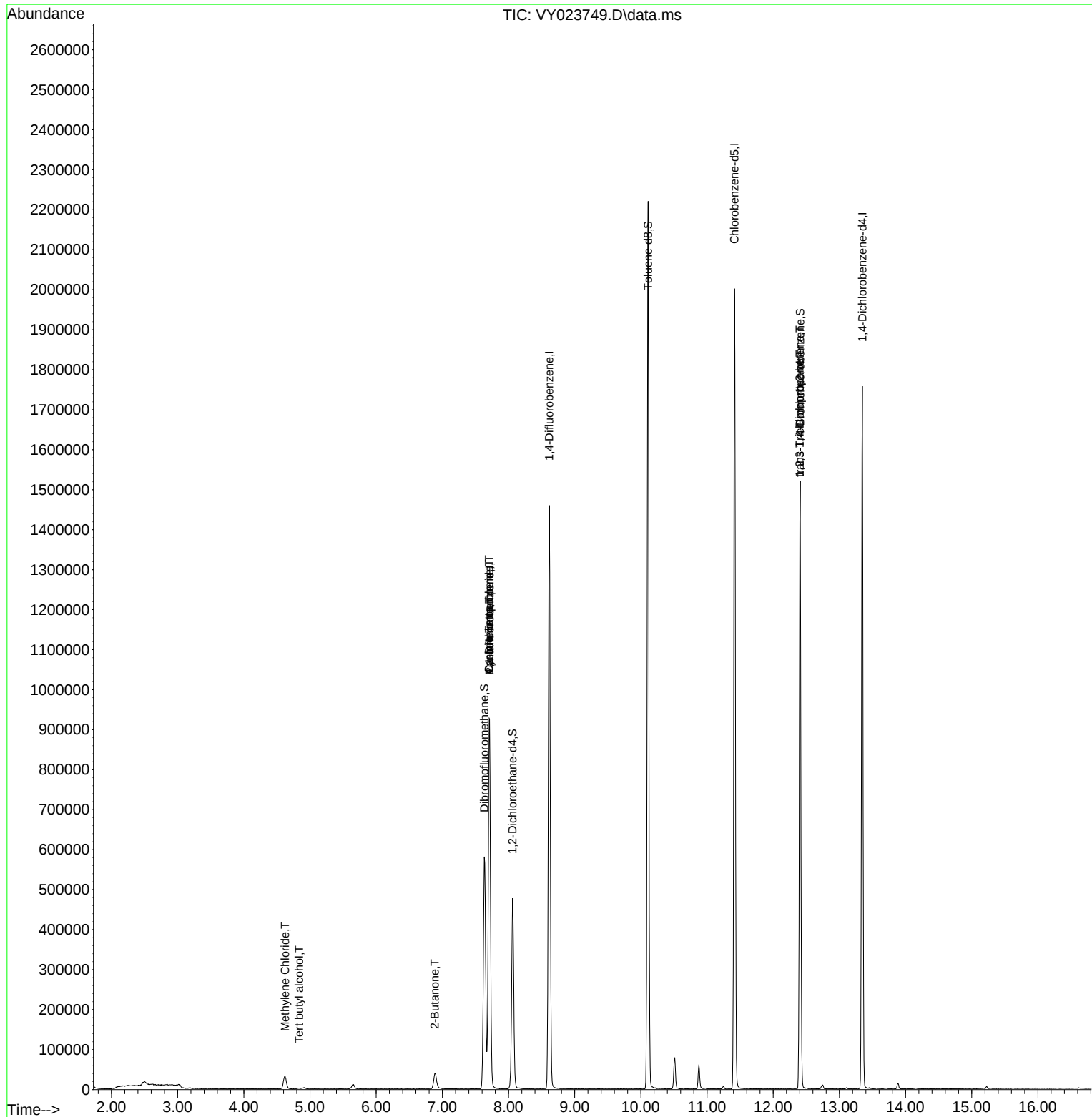
Internal Standards						
1) Pentafluorobenzene	7.713	168	796636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1328430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1149988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	473624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	353091	53.004	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.000%	
35) Dibromofluoromethane	7.634	113	418939	51.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.640%	
50) Toluene-d8	10.109	98	1494519	49.165	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	12.408	95	445113	44.352	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	2400	4.843	ug/l #	72
20) Methylene Chloride	4.622	84	26395	3.078	ug/l	98
25) 2-Butanone	6.884	43	1945	1.005	ug/l #	60
31) Cyclohexane	7.707	56	12470	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	51258	4.743	ug/l #	48
38) Carbon Tetrachloride	7.707	117	71066	5.424	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	213951	51.201	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	213951	125.555	ug/l #	15

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

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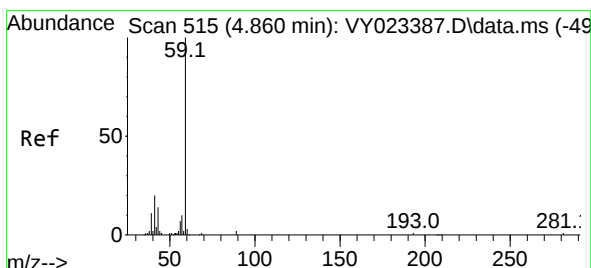
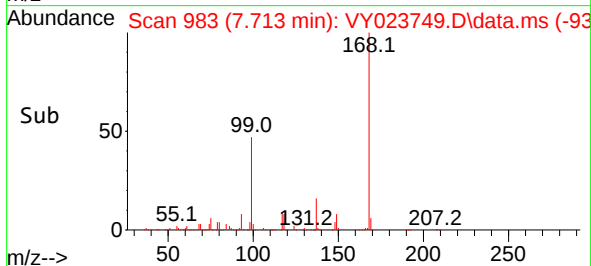
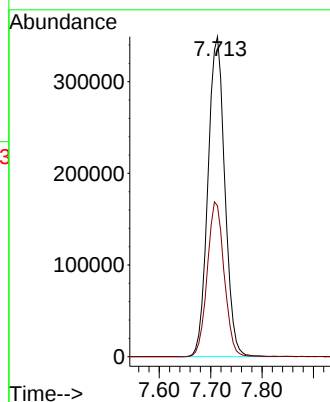
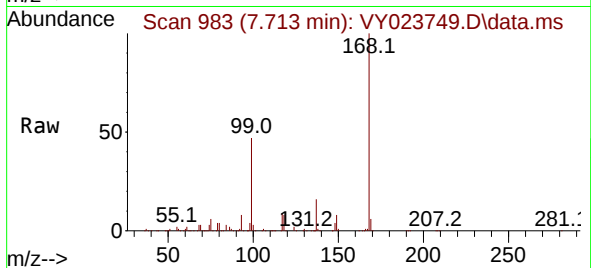




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

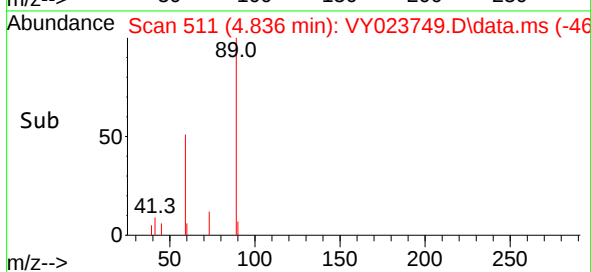
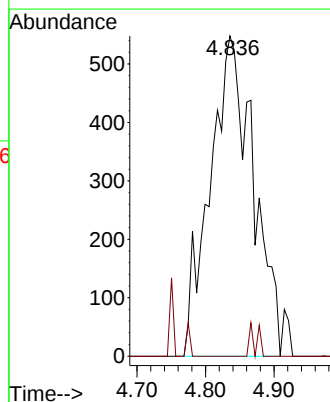
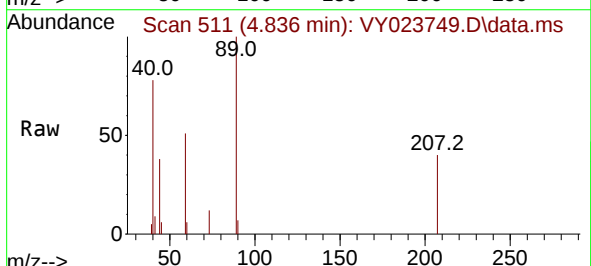
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

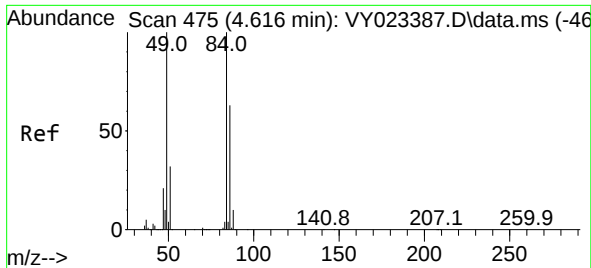
Tgt Ion:168 Resp: 796636
Ion Ratio Lower Upper
168 100
99 47.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 4.843 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.025 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Tgt Ion: 59 Resp: 2400
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

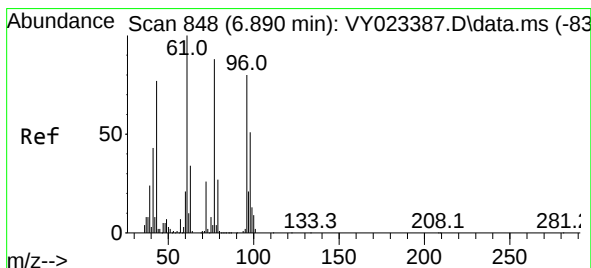
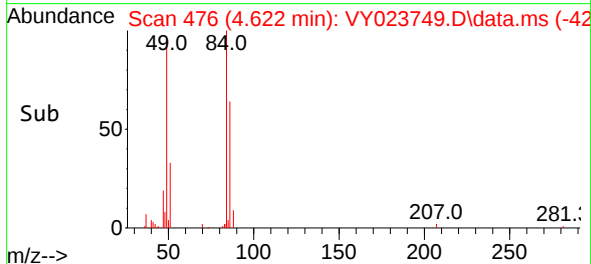
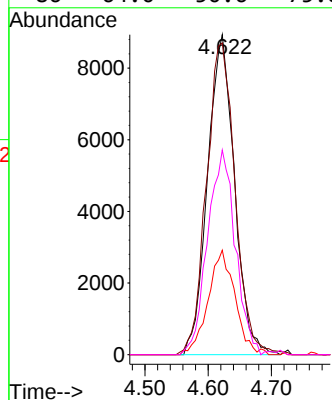
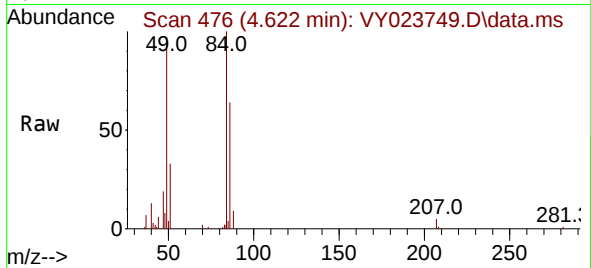




#20
Methylene Chloride
Concen: 3.078 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

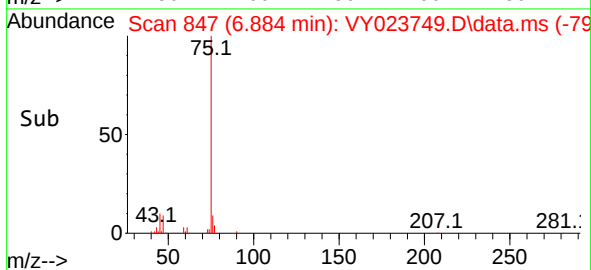
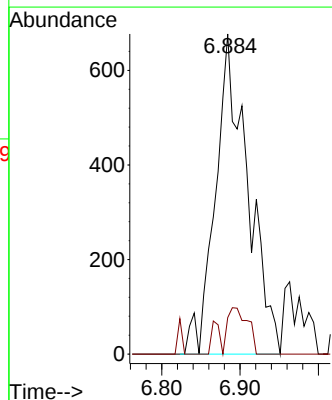
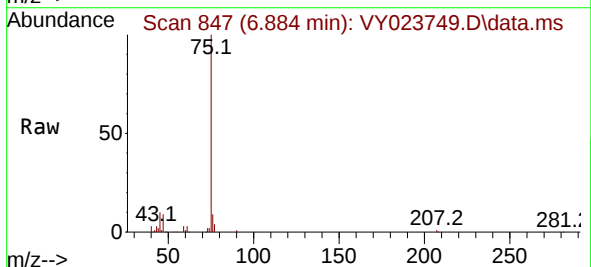
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

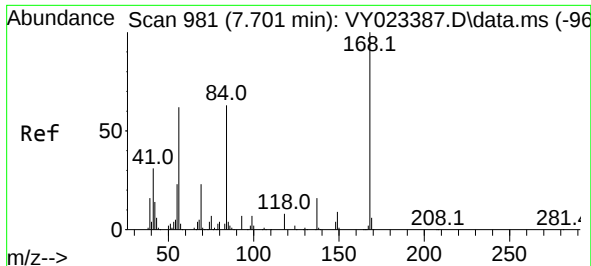
Tgt Ion:	84	Resp:	26395
Ion	Ratio	Lower	Upper
84	100		
49	96.6	80.2	120.4
51	32.7	25.9	38.9
86	64.0	50.6	75.8



#25
2-Butanone
Concen: 1.005 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Tgt Ion:	43	Resp:	1945
Ion	Ratio	Lower	Upper
43	100		
72	11.4	27.4	41.2#

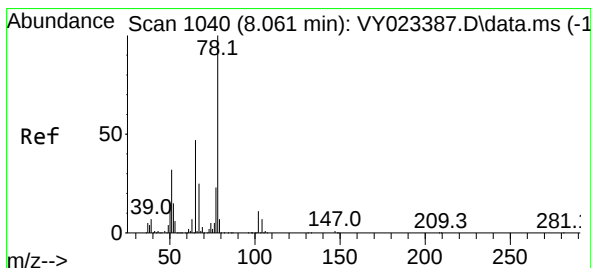
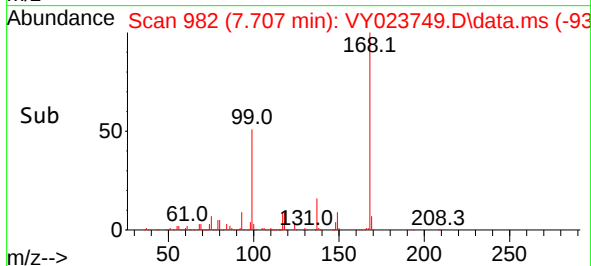
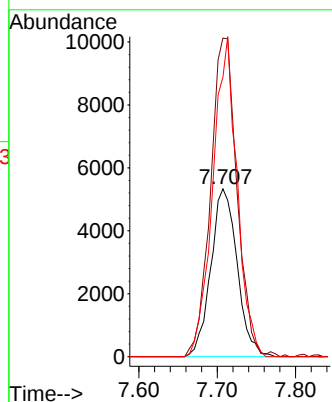
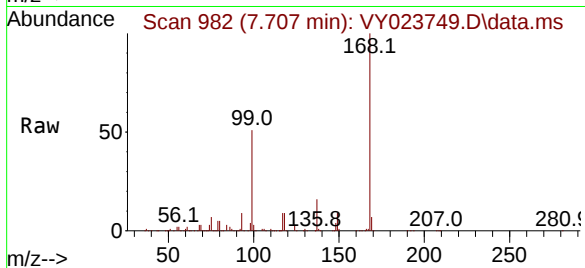




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

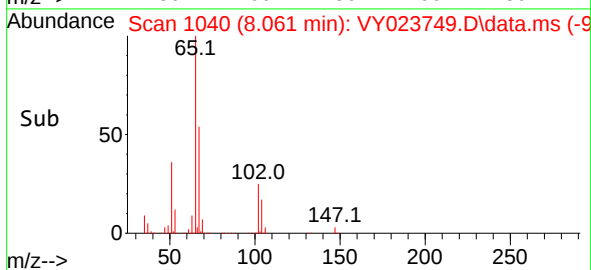
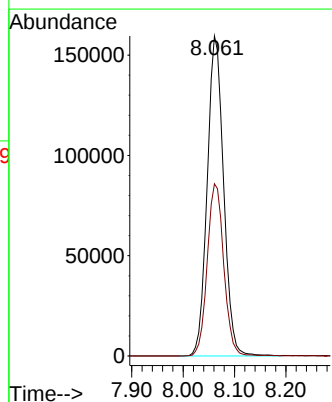
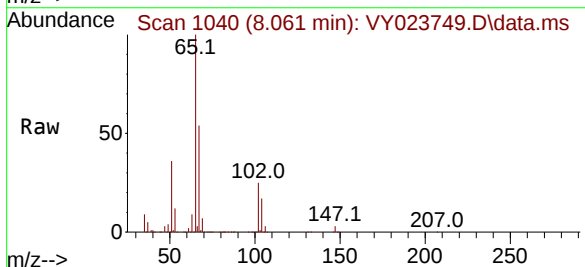
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

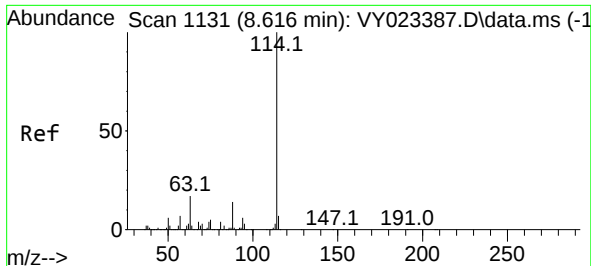
Tgt Ion: 56 Resp: 12470
Ion Ratio Lower Upper
56 100
69 189.9 30.0 45.0#
84 166.6 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 53.004 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Tgt Ion: 65 Resp: 353091
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8

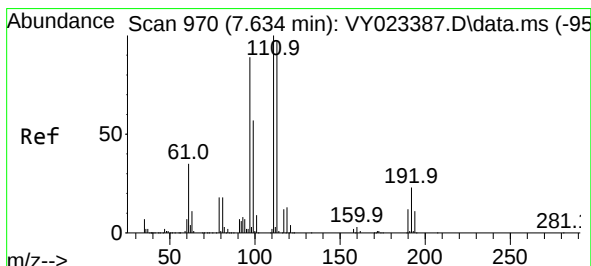
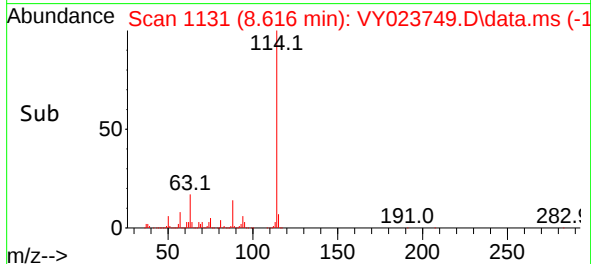
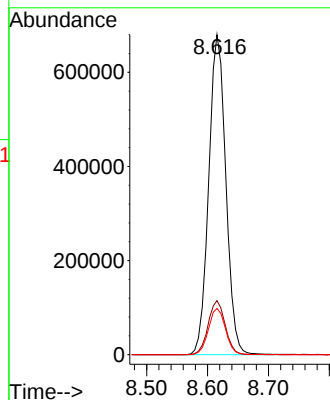
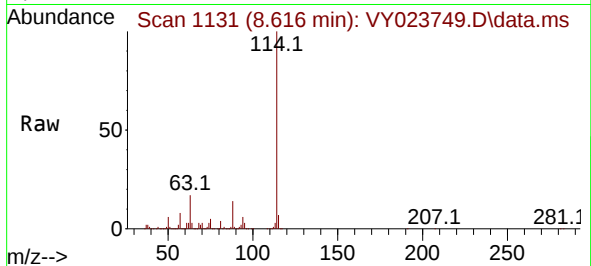




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

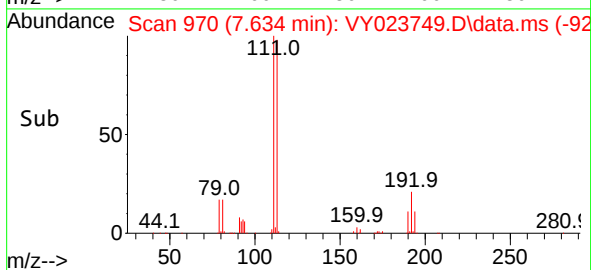
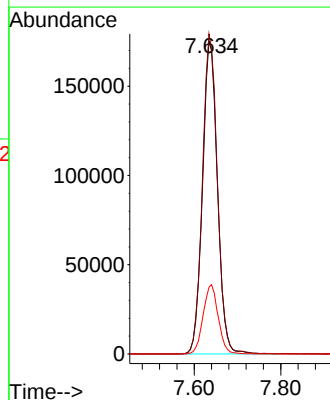
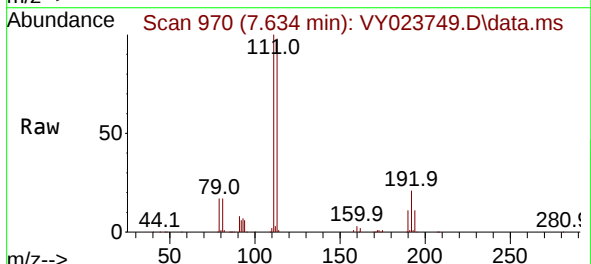
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

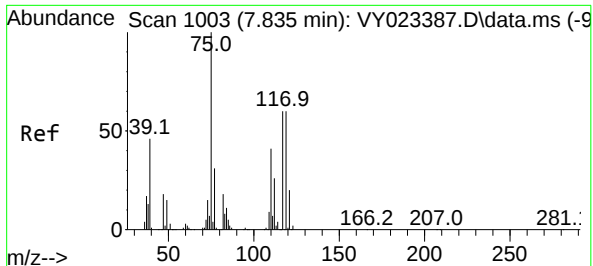
Tgt Ion:114 Resp: 1328430
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.324 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Tgt Ion:113 Resp: 418939
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 22.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY023749.D

Acq: 11 Nov 2025 18:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

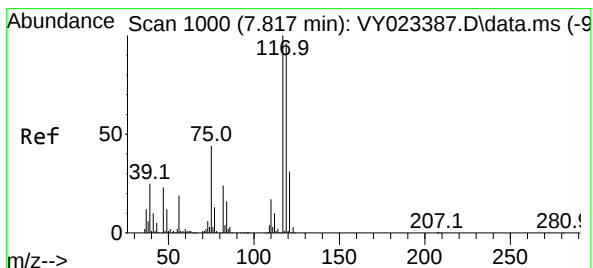
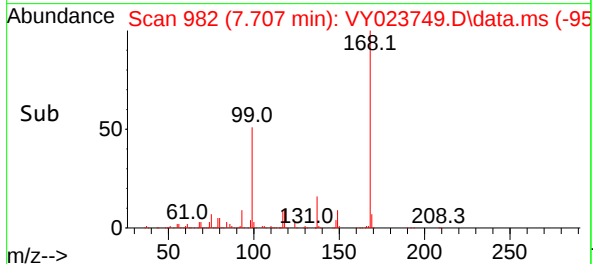
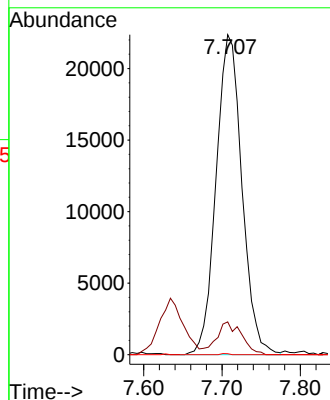
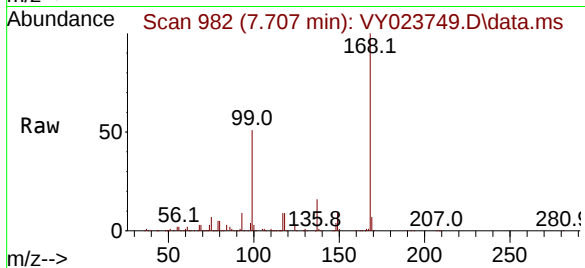
Tgt Ion: 75 Resp: 51258

Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.424 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023749.D

Acq: 11 Nov 2025 18:45

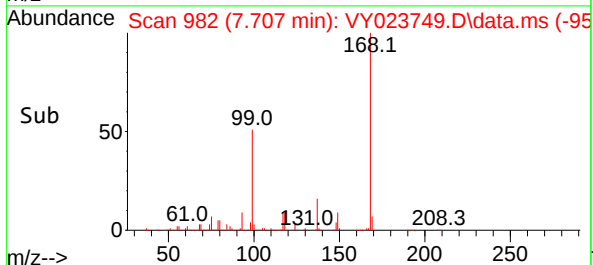
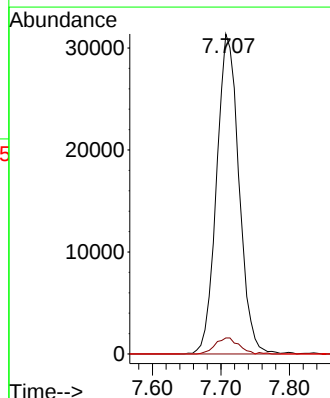
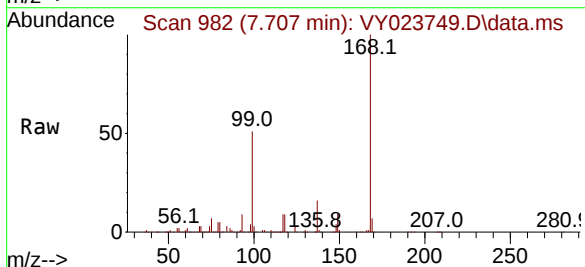
Tgt Ion: 117 Resp: 71066

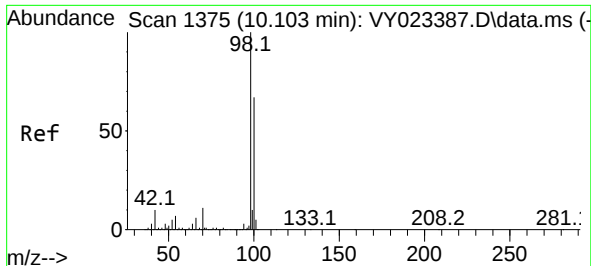
Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

121 0.0 24.5 36.7#

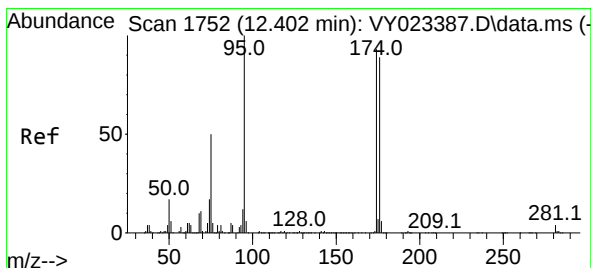
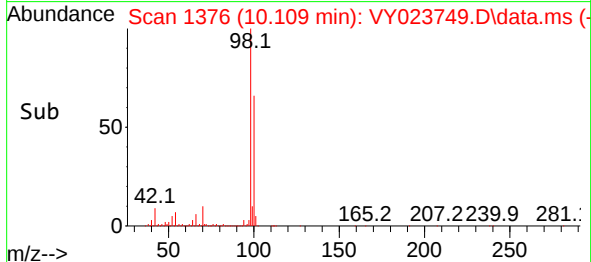
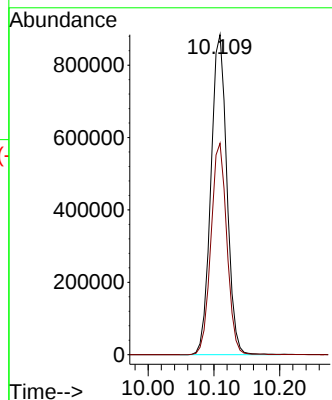
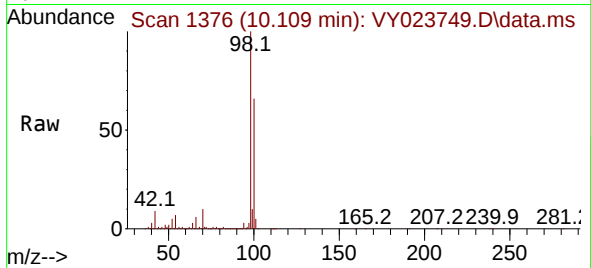




#50
Toluene-d8
Concen: 49.165 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

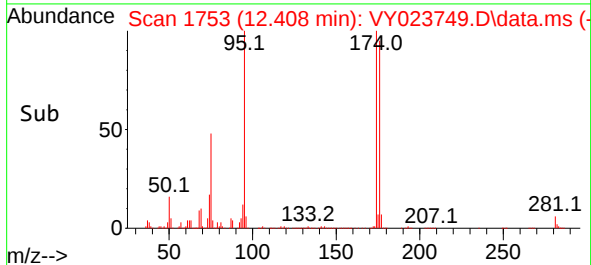
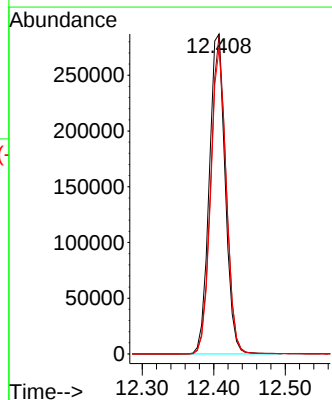
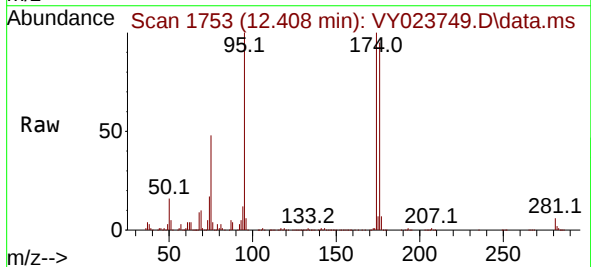
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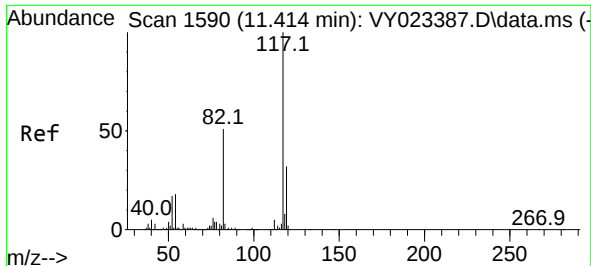
Tgt Ion: 98 Resp: 1494519
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Tgt Ion: 95 Resp: 445113
Ion Ratio Lower Upper
95 100
174 95.9 0.0 192.8
176 93.0 0.0 187.6

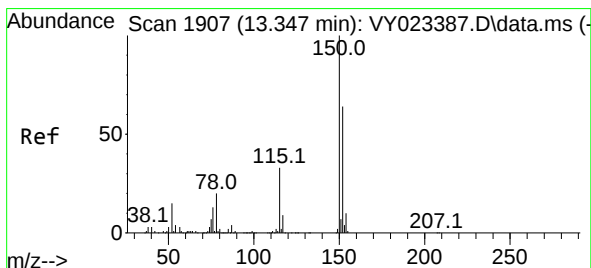
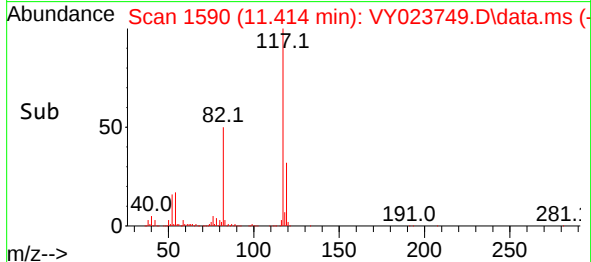
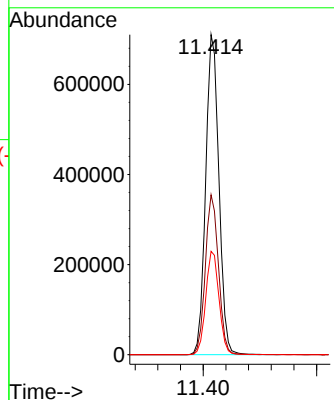
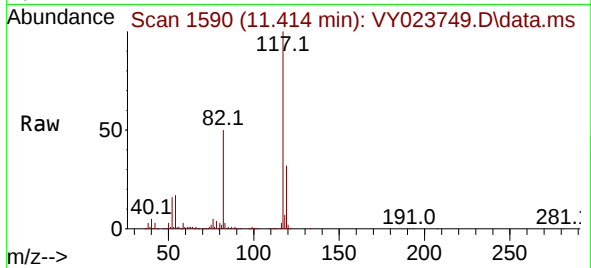




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

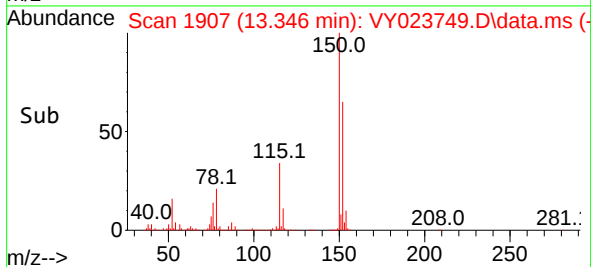
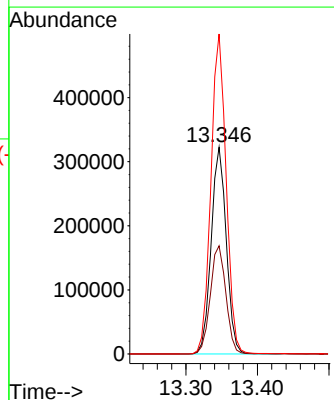
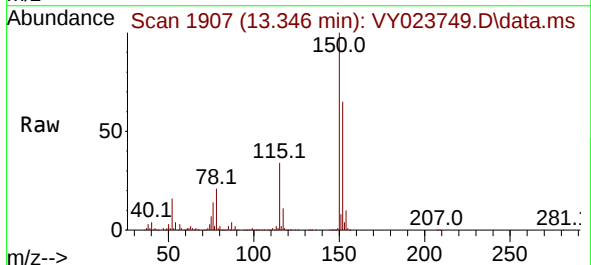
Instrument :
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VIBLK

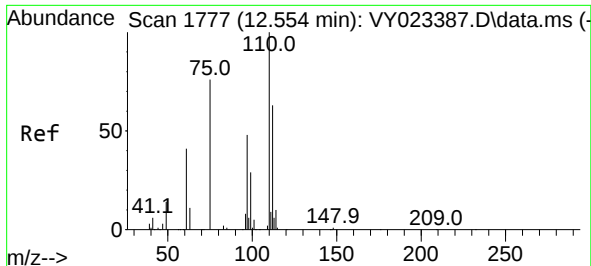
Tgt Ion:117 Resp: 1149988
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.4
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Tgt Ion:152 Resp: 473624
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 155.7 0.0 347.4

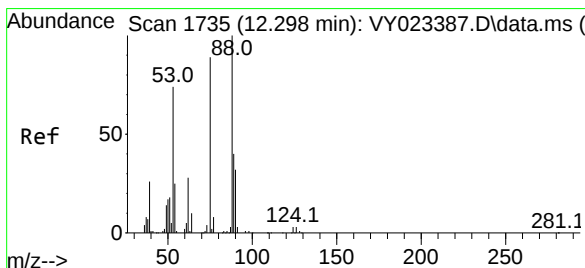
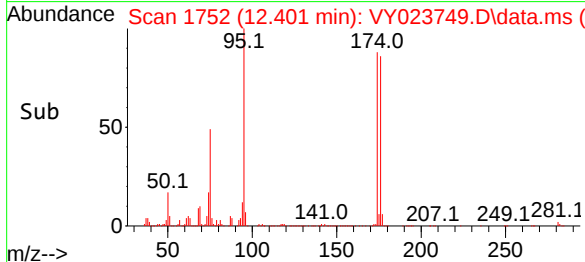
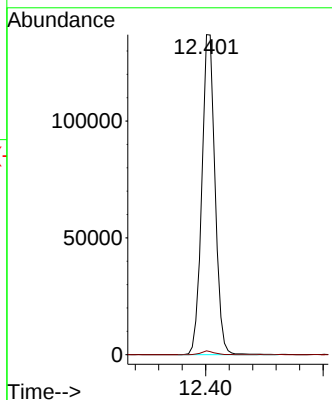
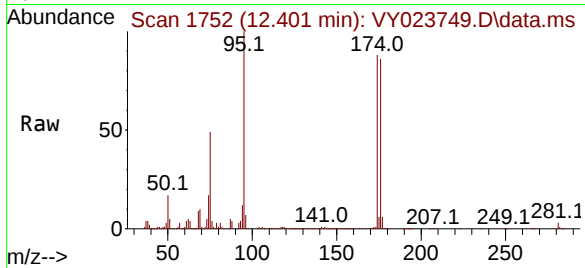




#76
1,2,3-Trichloropropane
Concen: 51.201 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 213951
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.555 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023749.D
Acq: 11 Nov 2025 18:45

Tgt Ion: 75 Resp: 213951
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.1 39.0 58.4#

