

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023667.D
 Acq On : 04 Nov 2025 11:51
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 05 04:45:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

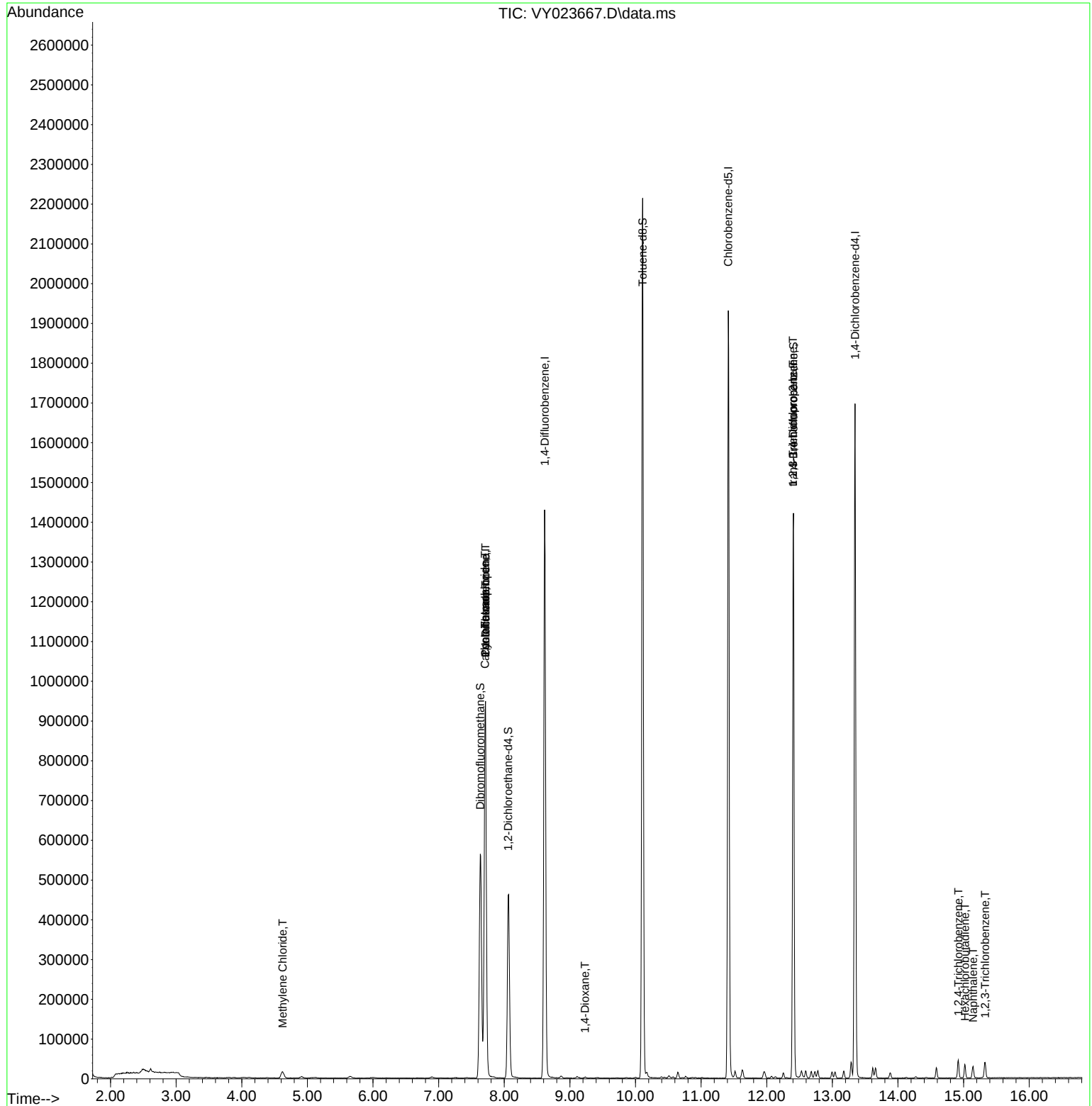
Internal Standards						
1) Pentafluorobenzene	7.713	168	775692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1293959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1103826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	460552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	367273	55.507	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.020%	
35) Dibromofluoromethane	7.634	113	408953	50.573	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.140%	
50) Toluene-d8	10.109	98	1468772	48.760	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.520%	
62) 4-Bromofluorobenzene	12.408	95	436663	44.826	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.660%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	12574	1.584	ug/l	98
31) Cyclohexane	7.713	56	14091	1.292	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	51789	4.793	ug/l #	48
38) Carbon Tetrachloride	7.707	117	71041	5.580	ug/l #	16
49) 1,4-Dioxane	9.231	88	122	2.560	ug/l #	49
76) 1,2,3-Trichloropropane	12.402	75	215181	57.731	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	215181	130.469	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.919	180	13490	1.740	ug/l	94
94) Hexachlorobutadiene	15.023	225	6037	1.189	ug/l	98
95) Naphthalene	15.145	128	25156	6.923	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	13688	2.113	ug/l	95

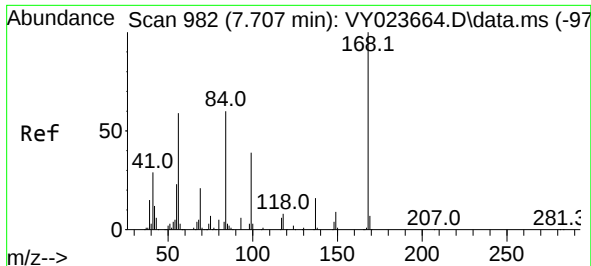
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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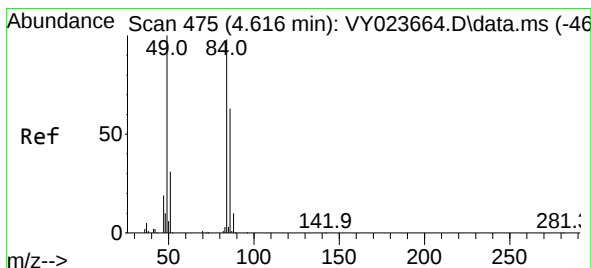
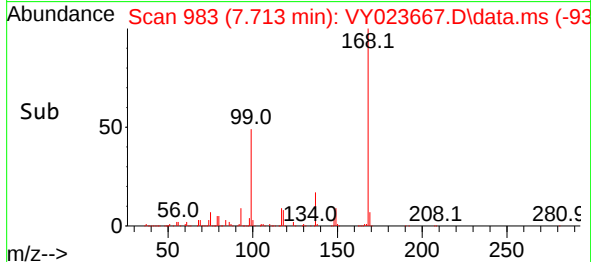
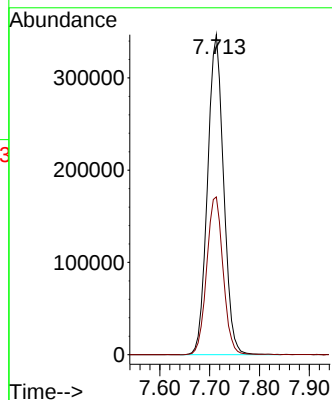
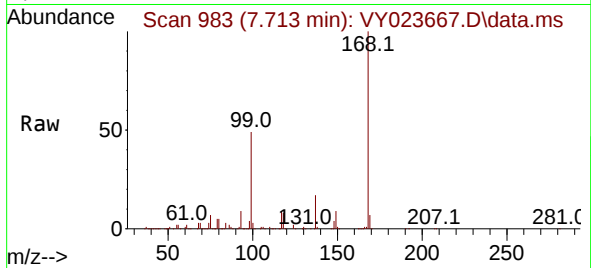




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

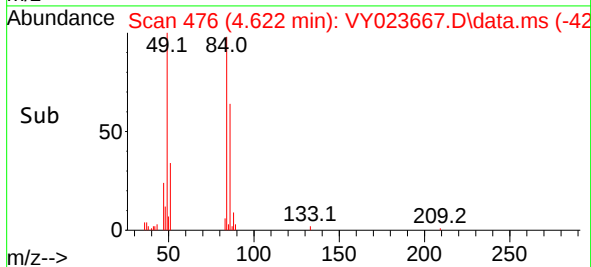
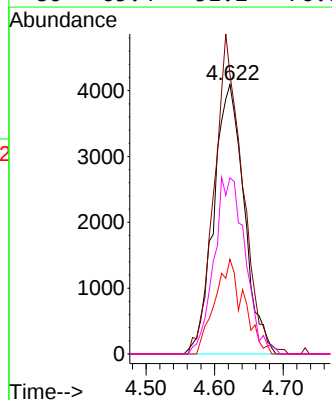
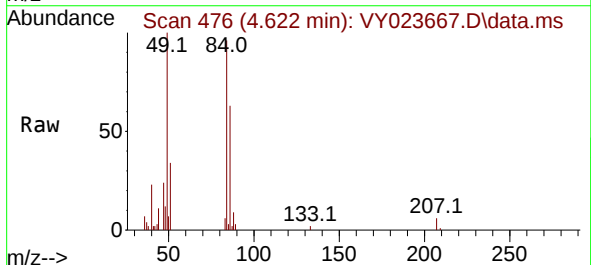
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

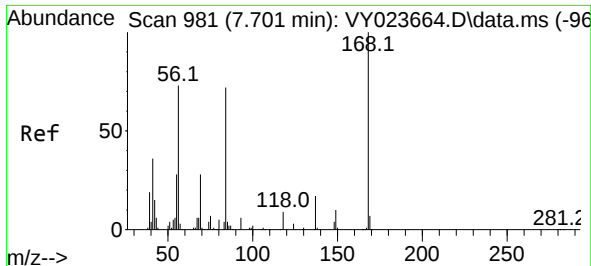
Tgt Ion:168 Resp: 775692
Ion Ratio Lower Upper
168 100
99 49.3 41.0 61.4



#20
Methylene Chloride
Concen: 1.584 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

Tgt Ion: 84 Resp: 12574
Ion Ratio Lower Upper
84 100
49 103.7 81.5 122.3
51 35.2 25.5 38.3
86 65.4 51.2 76.8

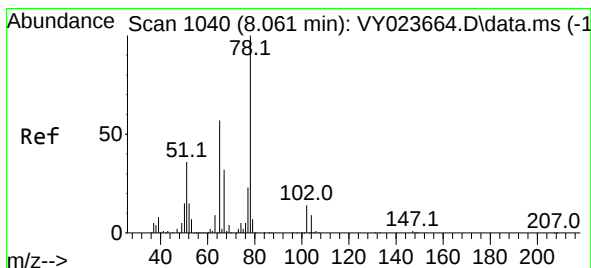
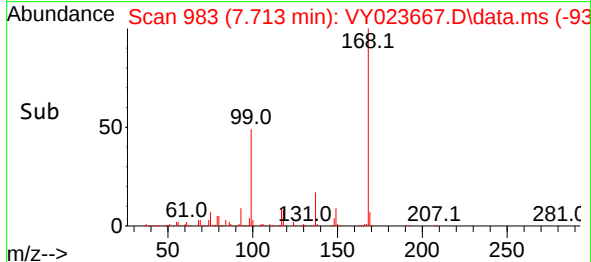
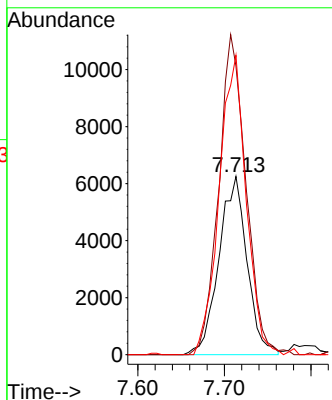
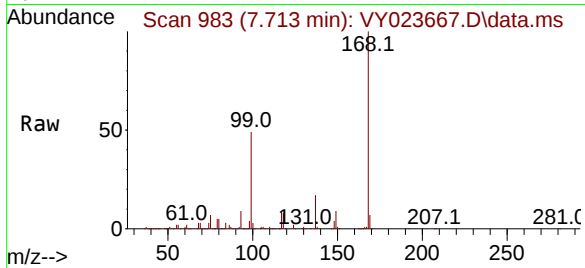




#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

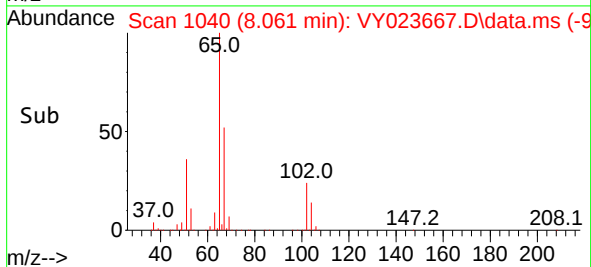
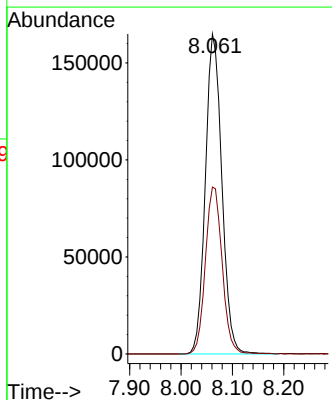
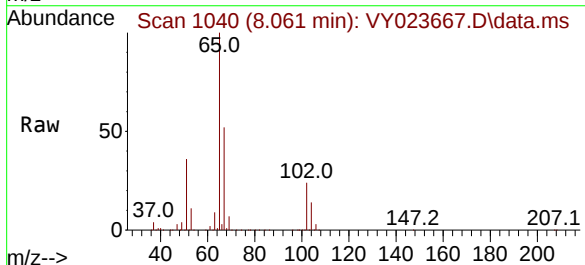
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

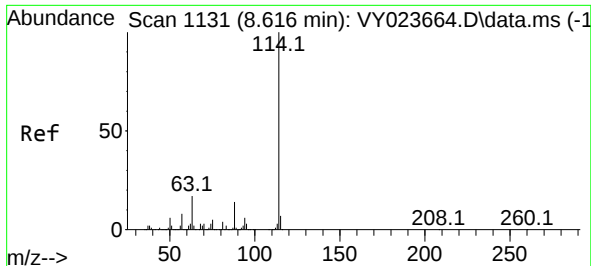
Tgt Ion: 56 Resp: 14091
Ion Ratio Lower Upper
56 100
69 162.0 30.5 45.7#
84 168.0 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 55.507 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

Tgt Ion: 65 Resp: 367273
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

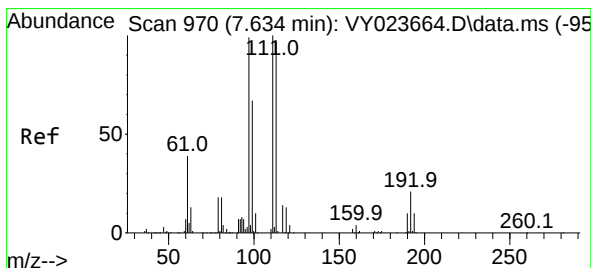
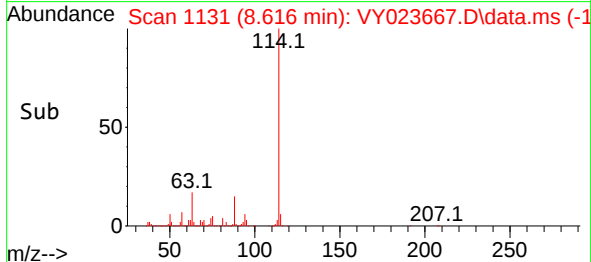
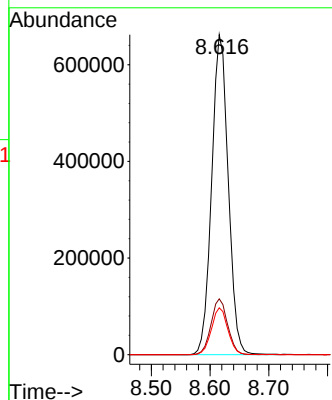
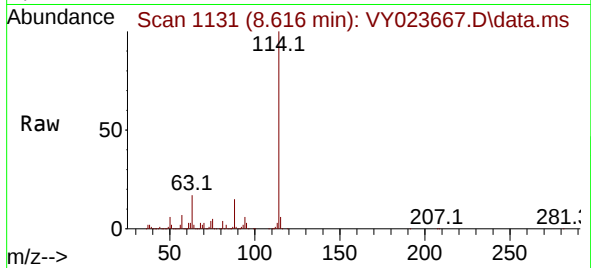




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

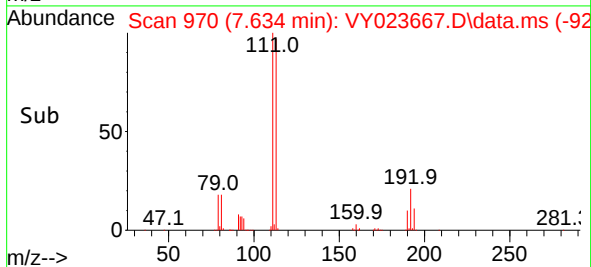
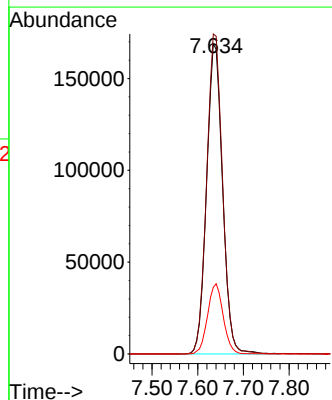
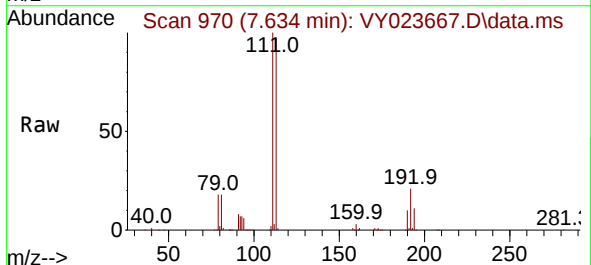
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

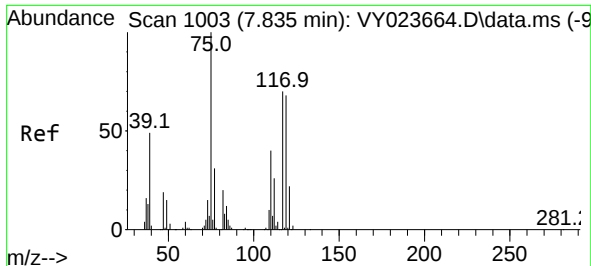
Tgt Ion:114 Resp: 1293959
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.8
88 14.6 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.573 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

Tgt Ion:113 Resp: 408953
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 22.3 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023667.D

Acq: 04 Nov 2025 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

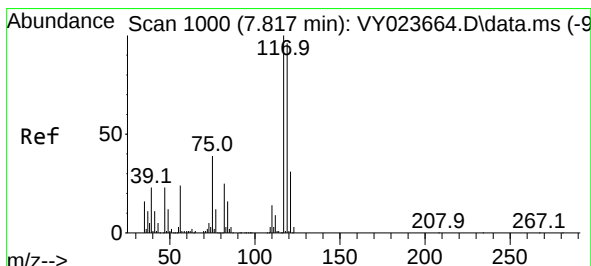
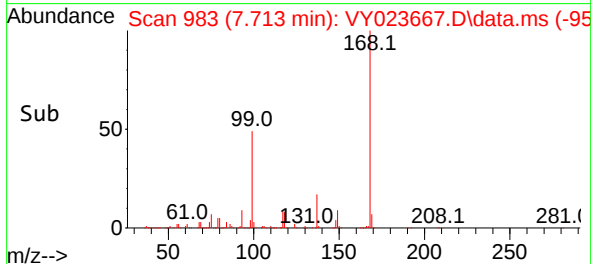
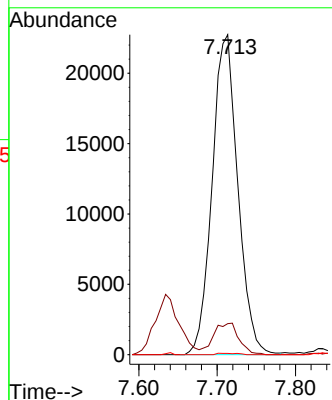
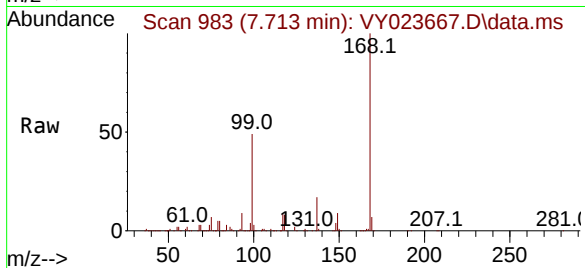
Tgt Ion: 75 Resp: 51789

Ion Ratio Lower Upper

75 100

110 9.8 19.7 59.0#

77 0.4 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.580 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023667.D

Acq: 04 Nov 2025 11:51

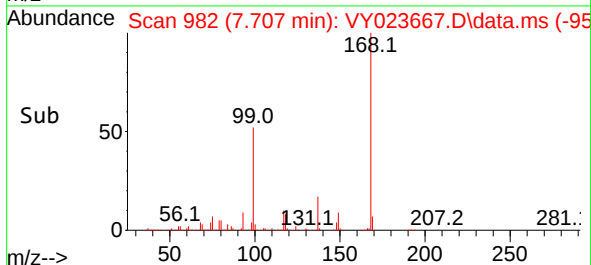
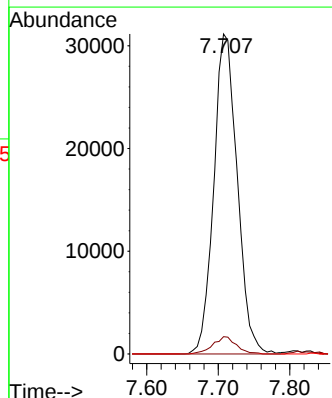
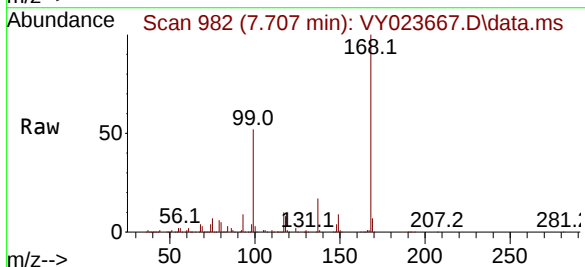
Tgt Ion: 117 Resp: 71041

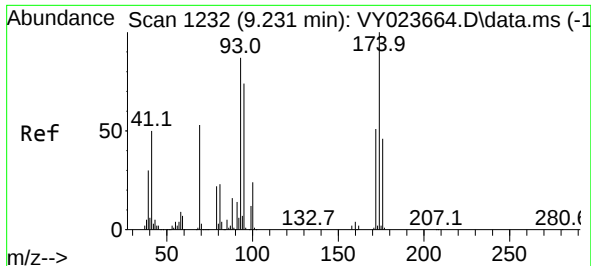
Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 2.560 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023667.D

Acq: 04 Nov 2025 11:51

Instrument :

MSVOA_Y

ClientSampleId :

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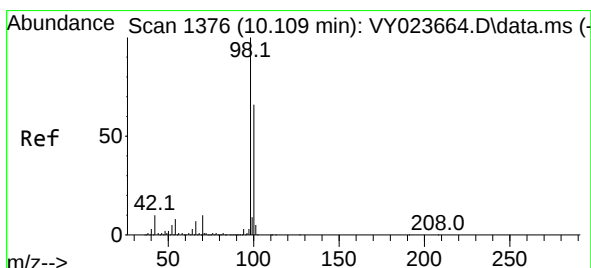
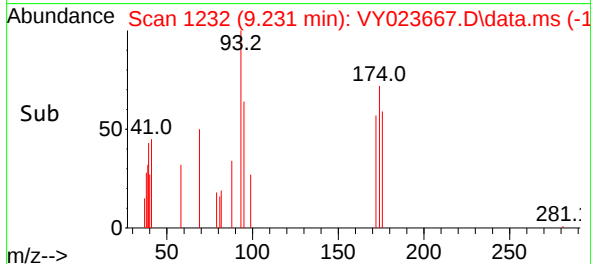
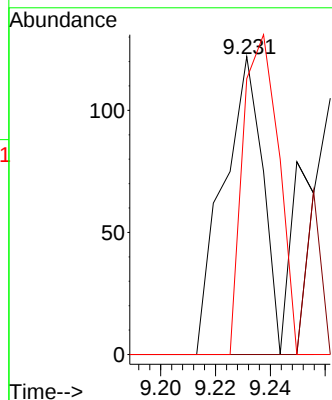
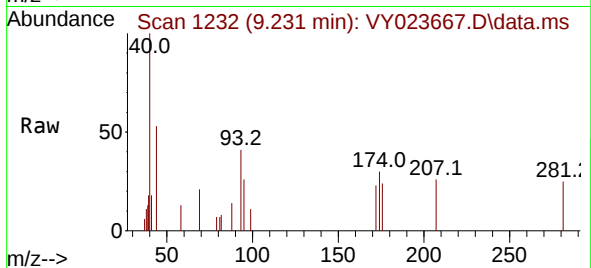
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 0.0 22.0 33.0#

58 97.5 47.8 71.8#



#50

Toluene-d8

Concen: 48.760 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023667.D

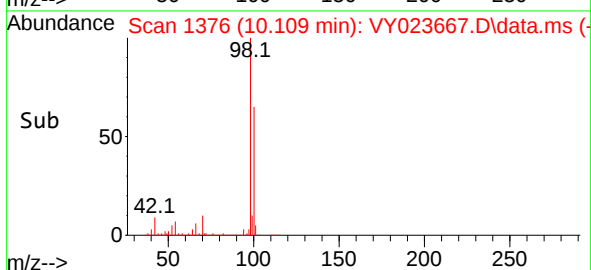
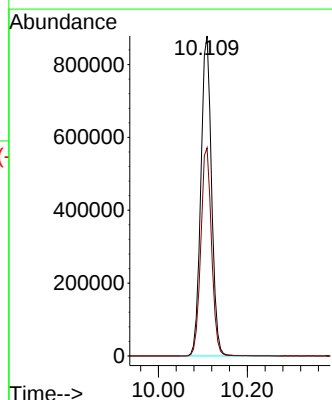
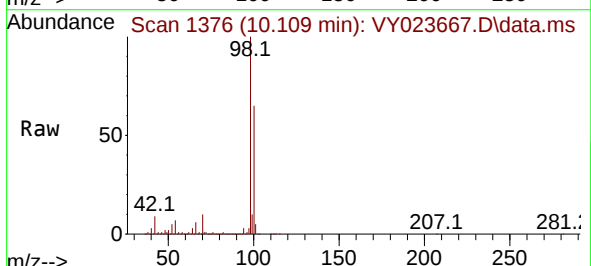
Acq: 04 Nov 2025 11:51

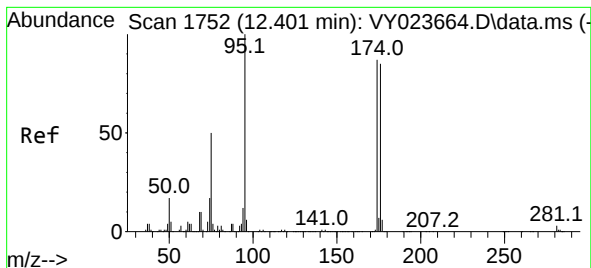
Tgt Ion: 98 Resp: 1468772

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1

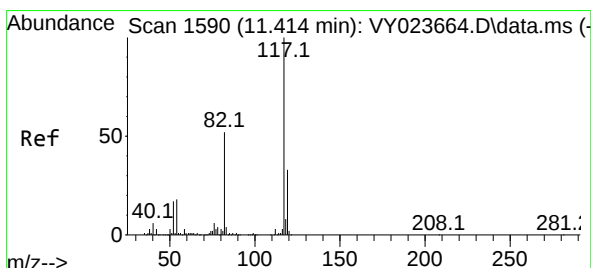
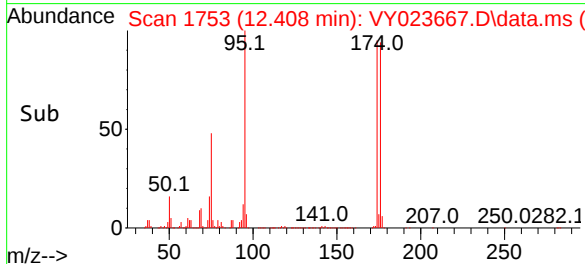
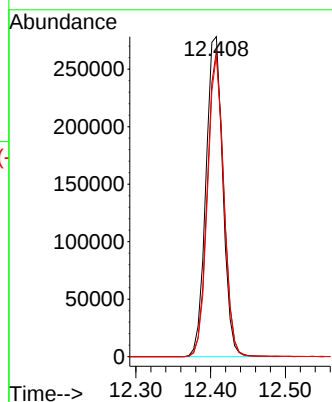
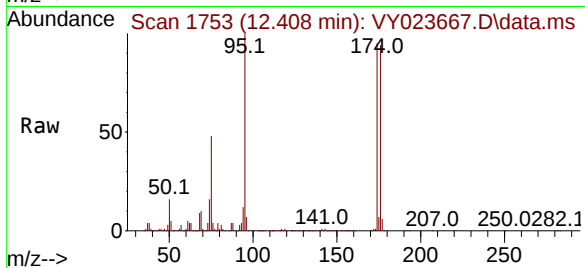




#62
4-Bromofluorobenzene
Concen: 44.826 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

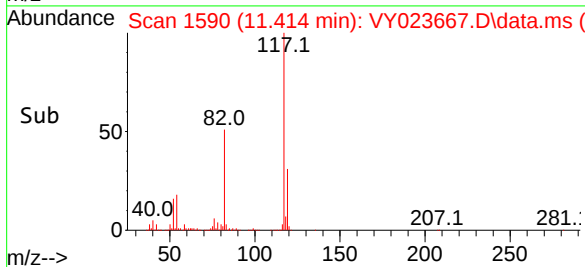
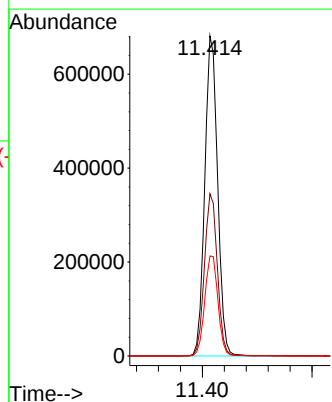
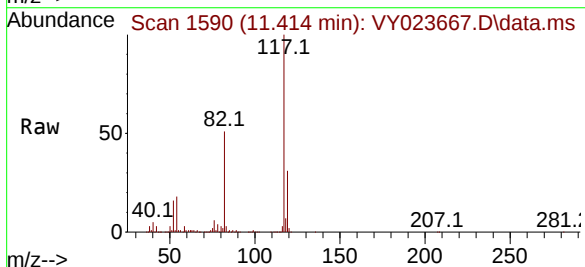
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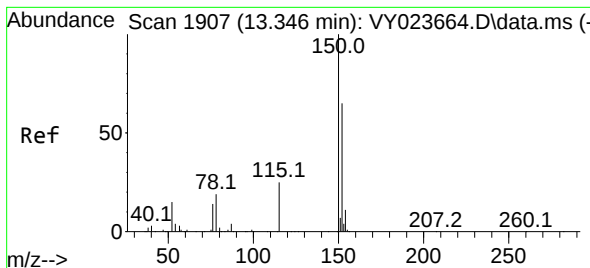
Tgt Ion: 95 Resp: 436663
Ion Ratio Lower Upper
95 100
174 93.3 0.0 184.8
176 90.5 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

Tgt Ion: 117 Resp: 1103826
Ion Ratio Lower Upper
117 100
82 50.7 41.2 61.8
119 31.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023667.D

Acq: 04 Nov 2025 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

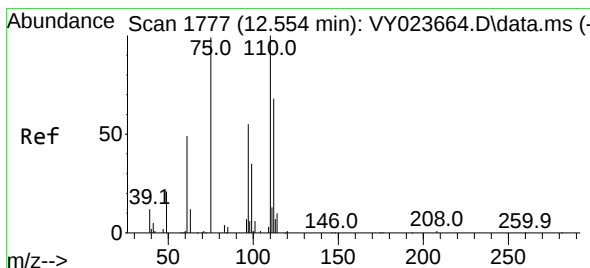
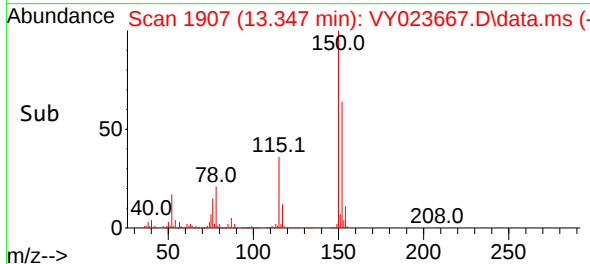
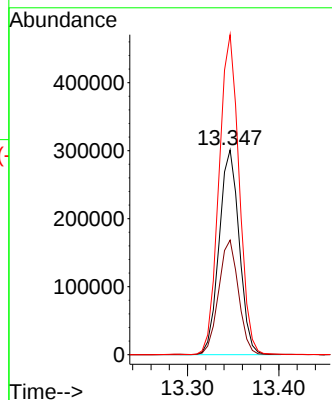
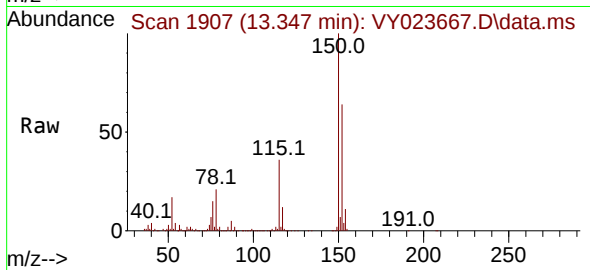
Tgt Ion:152 Resp: 460552

Ion Ratio Lower Upper

152 100

115 55.1 27.5 82.5

150 156.4 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 57.731 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023667.D

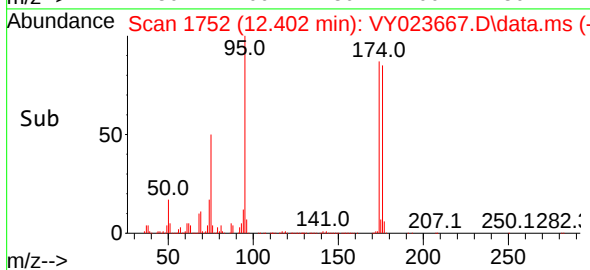
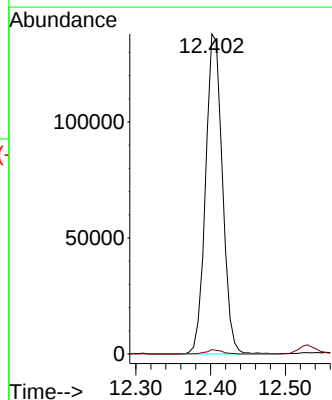
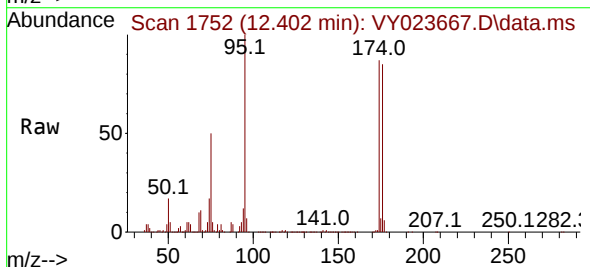
Acq: 04 Nov 2025 11:51

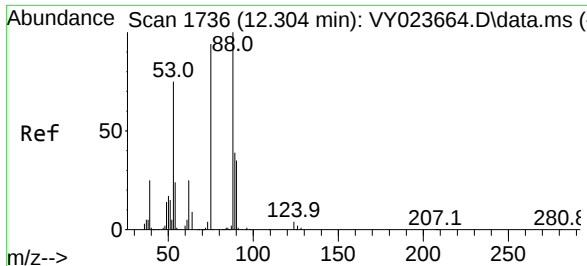
Tgt Ion: 75 Resp: 215181

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

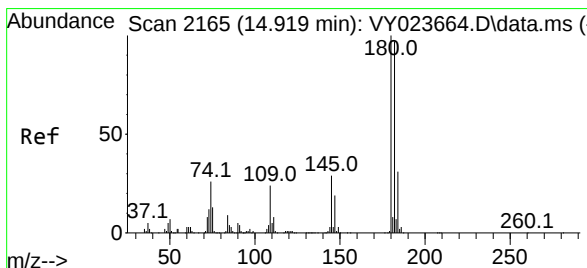
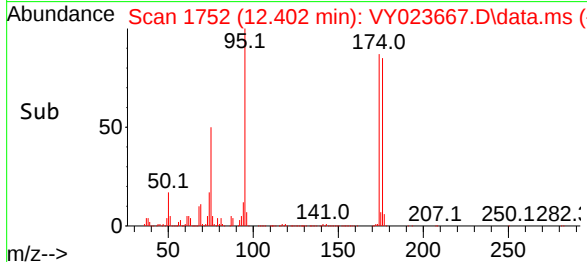
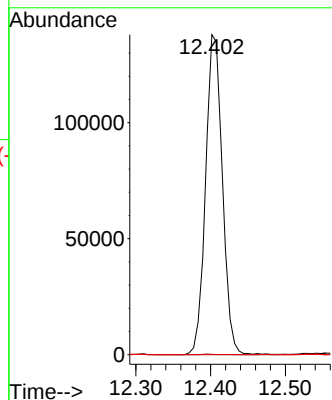
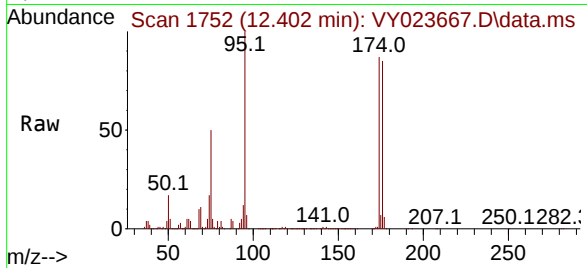




#81
trans-1,4-Dichloro-2-butene
Concen: 130.469 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

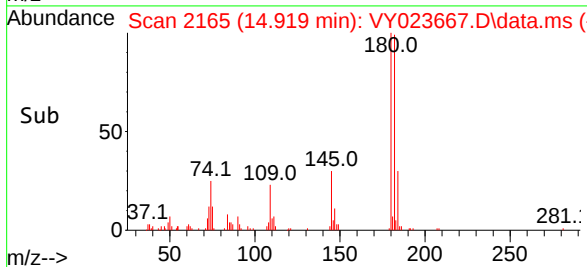
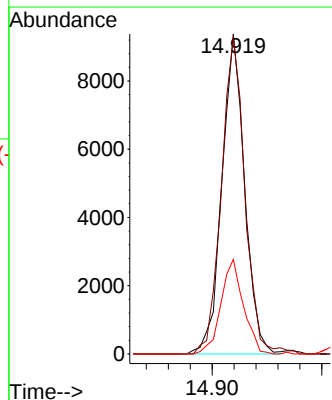
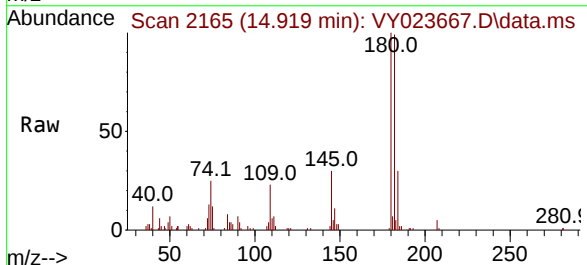
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

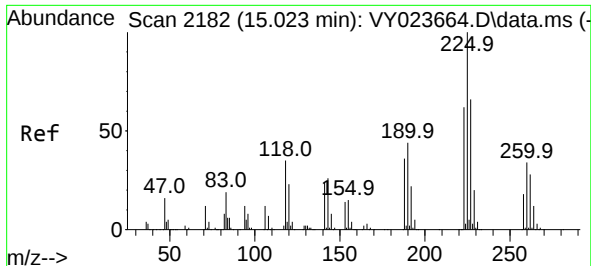
Tgt Ion: 75 Resp: 215181
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.740 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

Tgt Ion:180 Resp: 13490
Ion Ratio Lower Upper
180 100
182 102.2 47.5 142.6
145 29.3 14.4 43.4

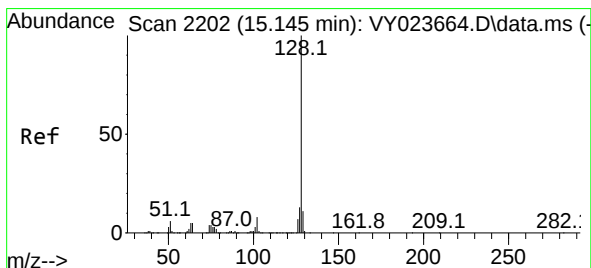
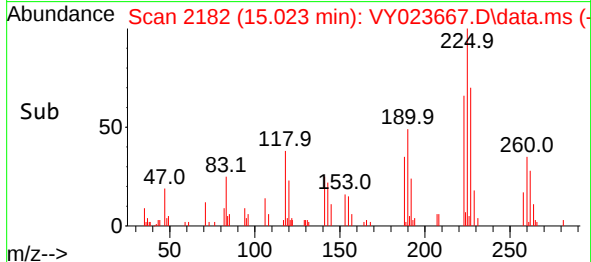
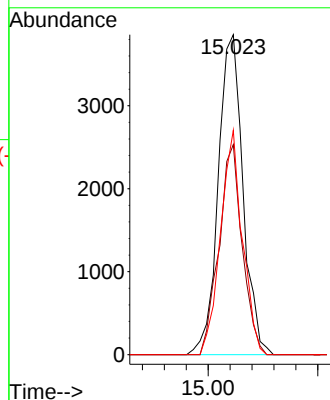
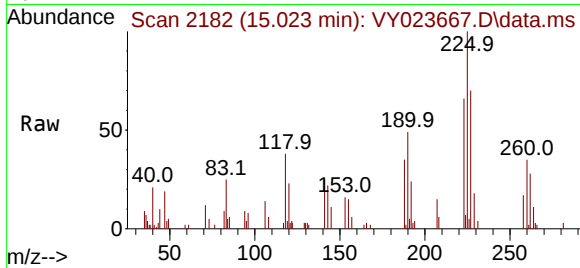




#94
Hexachlorobutadiene
Concen: 1.189 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

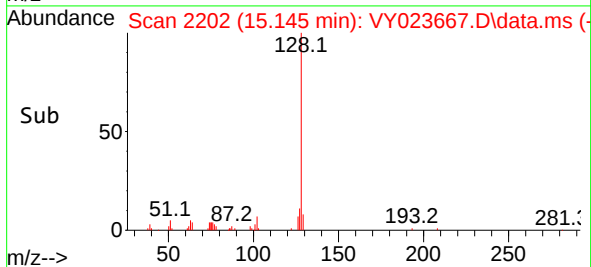
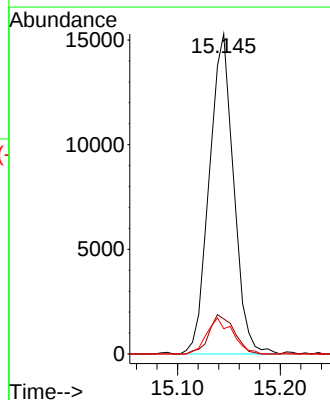
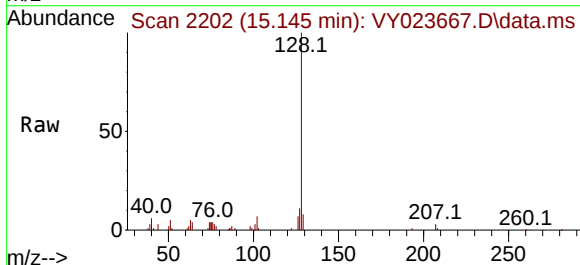
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

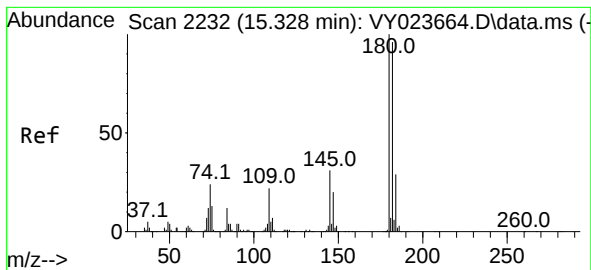
Tgt Ion:	225	Resp:	6037
Ion Ratio	Lower	Upper	
225	100		
223	61.9	30.8	92.3
227	62.1	32.0	96.2



#95
Naphthalene
Concen: 6.923 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023667.D
Acq: 04 Nov 2025 11:51

Tgt Ion:	128	Resp:	25156
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	11.9	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 2.113 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY023667.D
 Acq: 04 Nov 2025 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	13688
Ion Ratio	Lower	Upper	
180	100		
182	101.2	47.5	142.6
145	32.6	15.5	46.5

