

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032065.D
 Acq On : 11 Aug 2025 14:44
 Operator : SY/MD
 Sample : Q2807-03
 Misc : 5.70g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-6

Quant Time: Aug 12 04:25:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

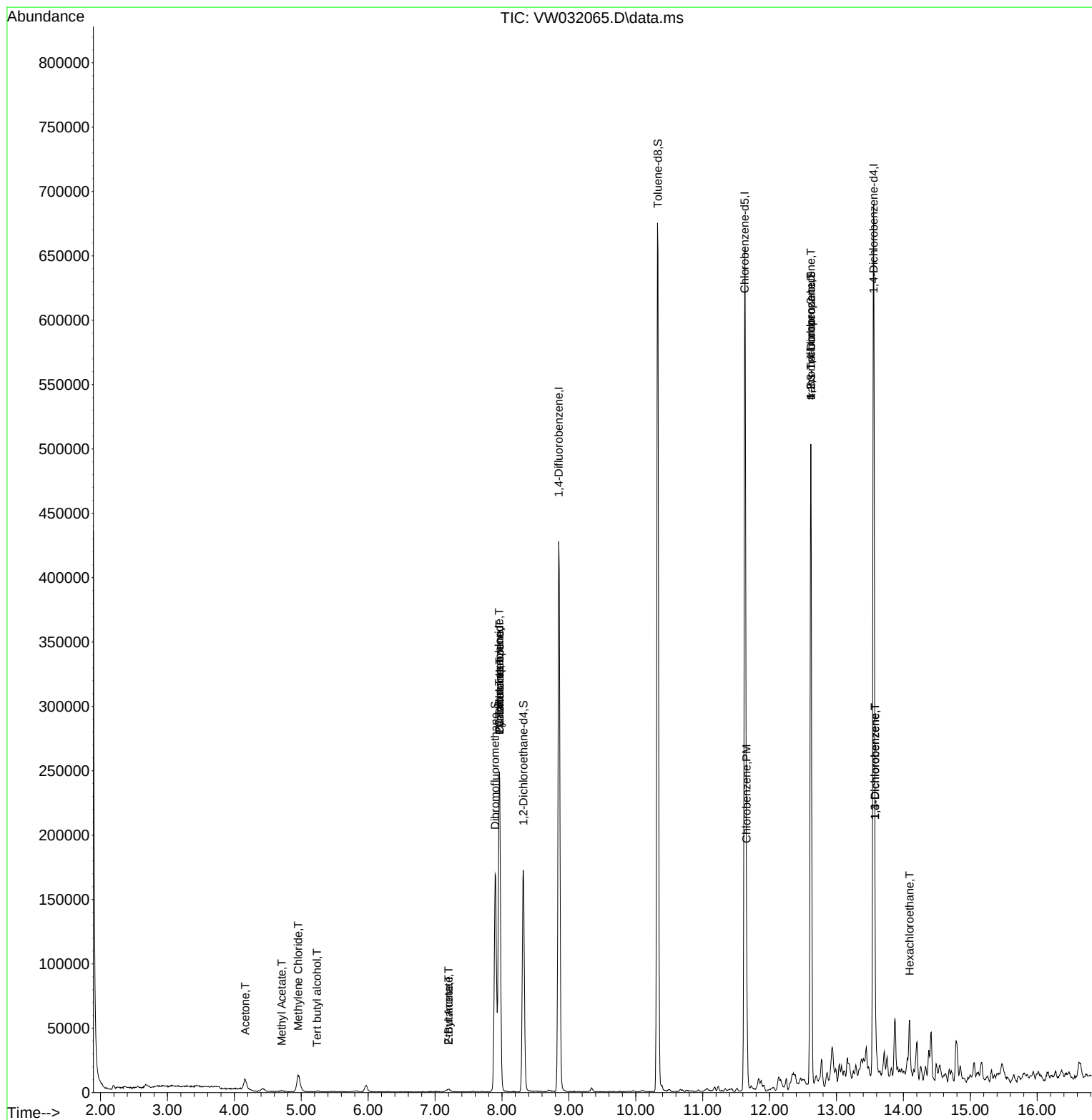
Internal Standards						
1) Pentafluorobenzene	7.965	168	171327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	362068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	176343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	141980	57.299	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	114.600%	
35) Dibromofluoromethane	7.898	113	125202	53.526	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	107.060%	
50) Toluene-d8	10.331	98	458928	53.045	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	106.100%	
62) 4-Bromofluorobenzene	12.617	95	178940	56.125	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	112.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	244	1.521	ug/l #	91
16) Acetone	4.161	43	14815	25.824	ug/l	98
18) Methyl Acetate	4.710	43	2305	1.270	ug/l #	63
20) Methylene Chloride	4.954	84	11430	4.309	ug/l	96
25) 2-Butanone	7.203	43	3528	4.327	ug/l	99
31) Cyclohexane	7.965	56	6878	1.948	ug/l #	42
36) 1,1-Dichloropropene	7.965	75	15875	4.814	ug/l #	50
37) Ethyl Acetate	7.203	43	3528	1.817	ug/l #	67
38) Carbon Tetrachloride	7.959	117	19770	6.213	ug/l #	19
65) Chlorobenzene	11.654	112	35454	4.539	ug/l	98
76) 1,2,3-Trichloropropane	12.617	75	92752	38.754	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	92752	100.329	ug/l #	9
87) 1,3-Dichlorobenzene	13.574	146	14021	2.394	ug/l	82
88) 1,4-Dichlorobenzene	13.574	146	14021	2.369	ug/l	86
90) Hexachloroethane	14.092	117	2170	1.084	ug/l #	20

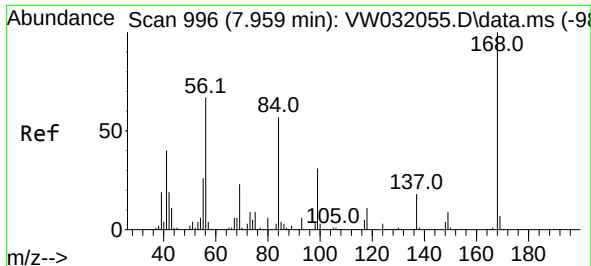
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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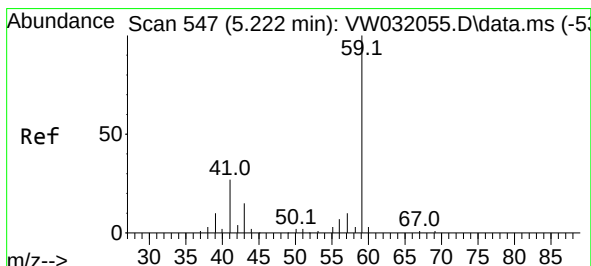
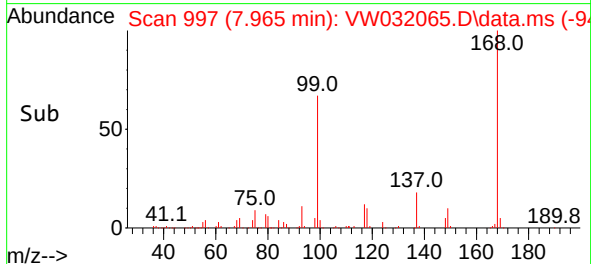
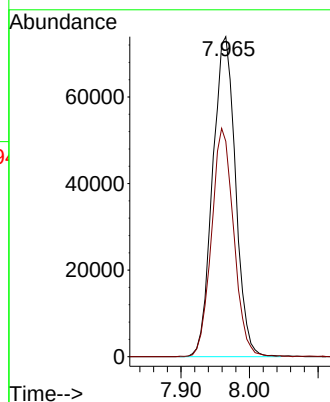
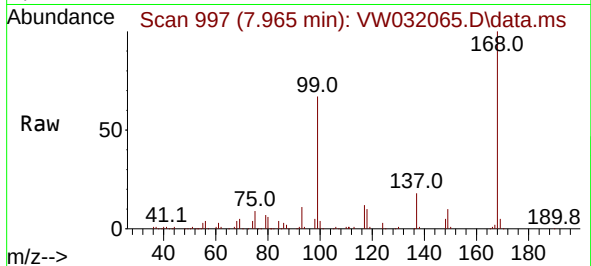




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

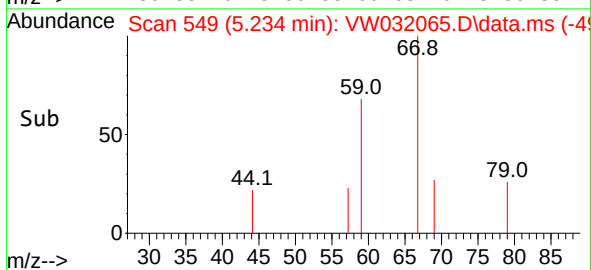
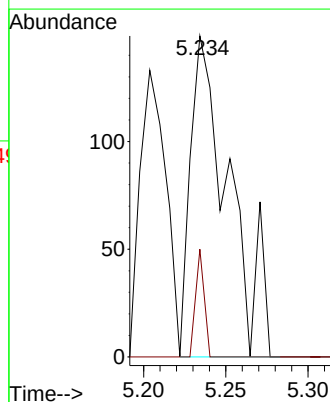
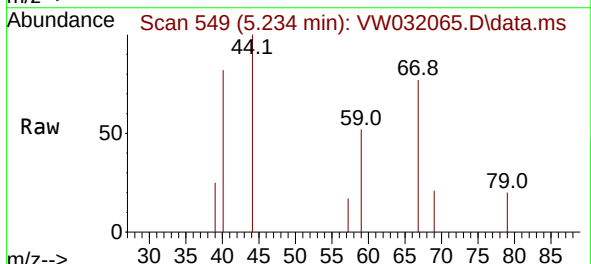
Instrument :
MSVOA_W
ClientSampleId :
COMP-6

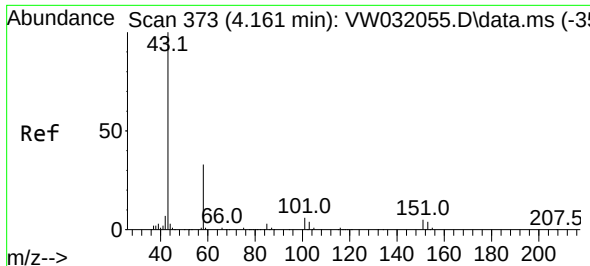
Tgt Ion:168 Resp: 171327
Ion Ratio Lower Upper
168 100
99 67.1 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.521 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 7.4 8.7 13.1#

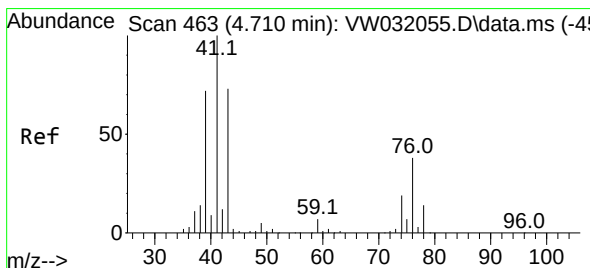
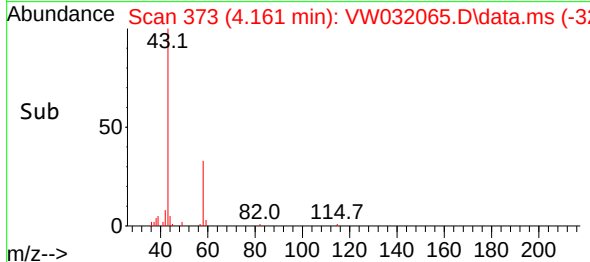
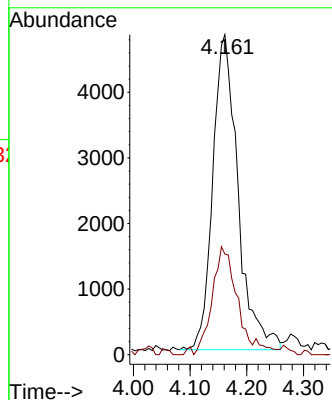
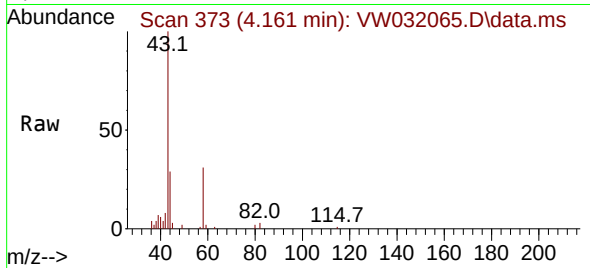




#16
Acetone
Concen: 25.824 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

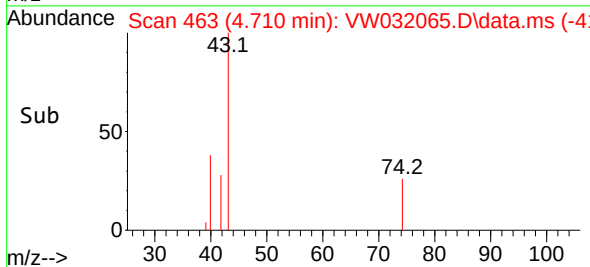
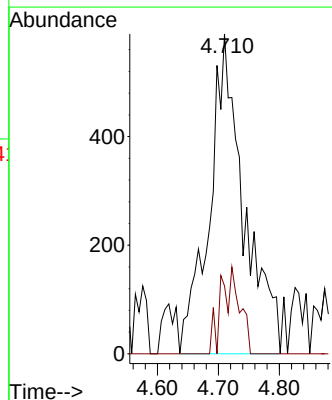
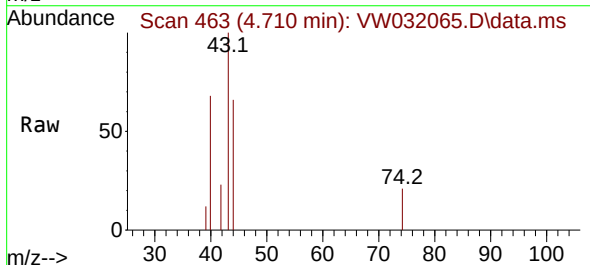
Instrument :
MSVOA_W
ClientSampleId :
COMP-6

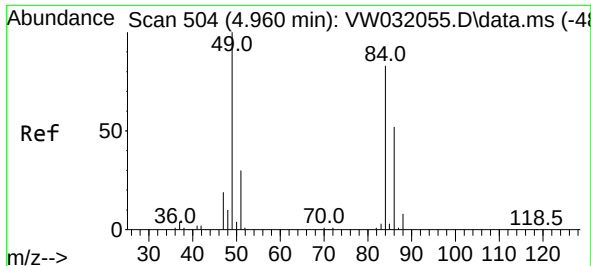
Tgt Ion: 43 Resp: 14815
Ion Ratio Lower Upper
43 100
58 32.0 26.6 39.8



#18
Methyl Acetate
Concen: 1.270 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
74 6.8 20.6 31.0#

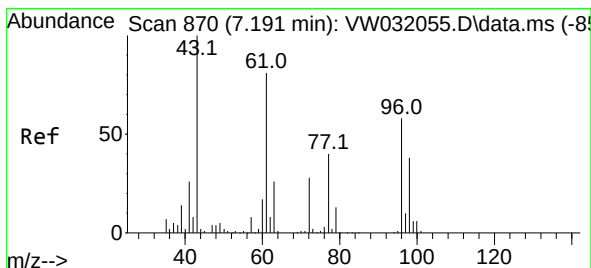
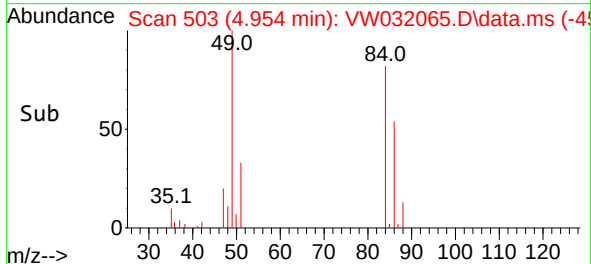
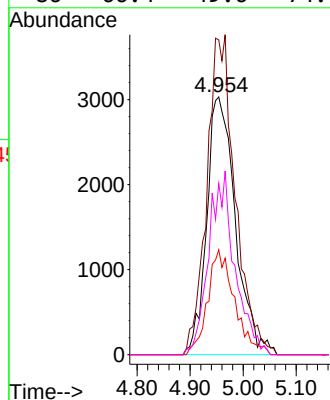
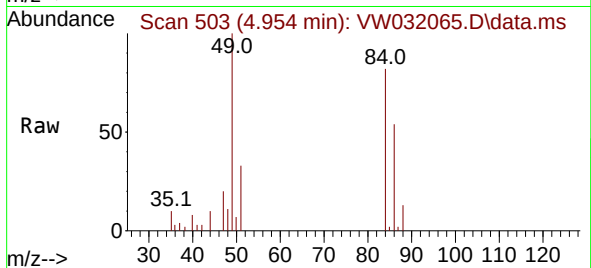




#20
Methylene Chloride
Concen: 4.309 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

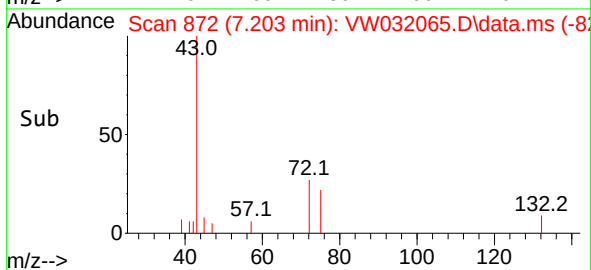
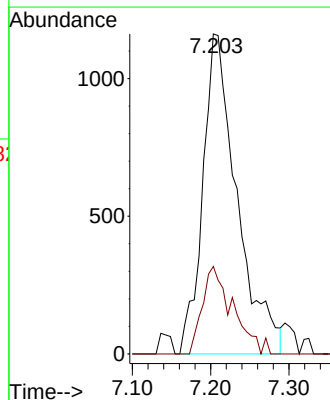
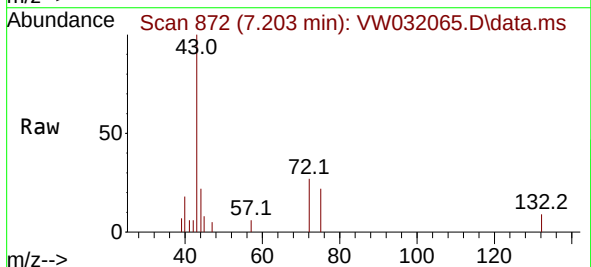
Instrument :
MSVOA_W
ClientSampleId :
COMP-6

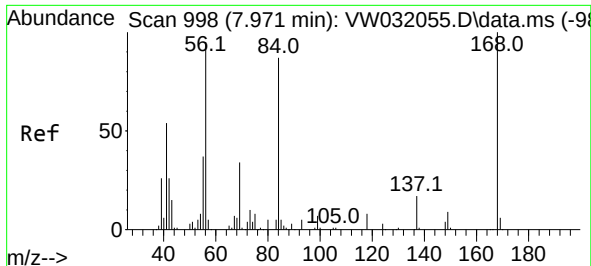
Tgt Ion:	84	Resp:	11430
Ion	Ratio	Lower	Upper
84	100		
49	122.1	95.9	143.9
51	40.7	28.6	43.0
86	66.4	49.6	74.4



#25
2-Butanone
Concen: 4.327 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion:	43	Resp:	3528
Ion	Ratio	Lower	Upper
43	100		
72	27.4	22.3	33.5

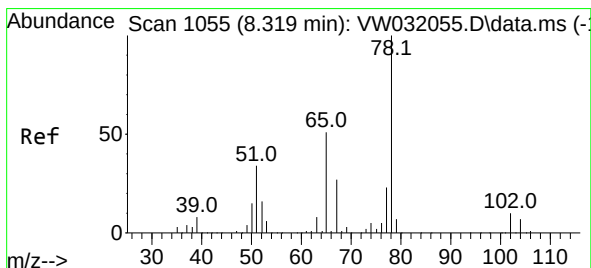
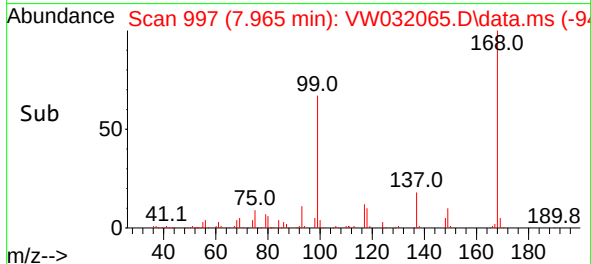
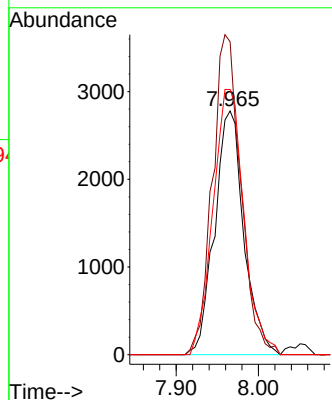
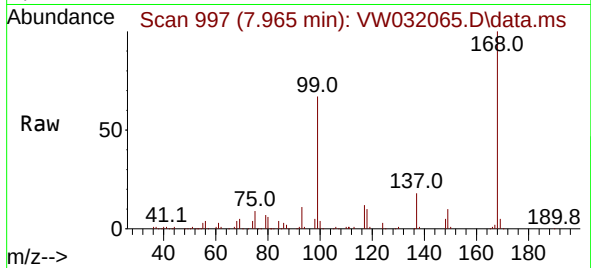




#31
Cyclohexane
Concen: 1.948 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

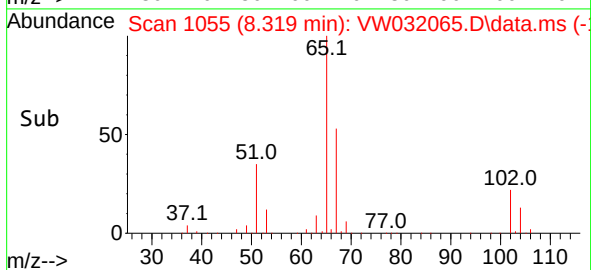
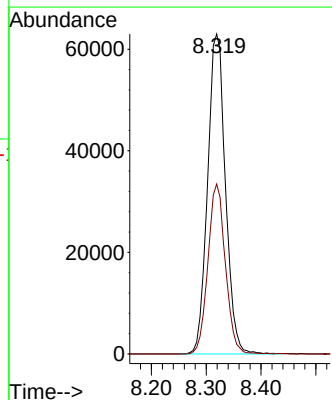
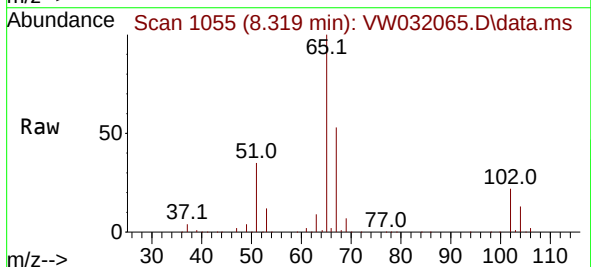
Instrument :
MSVOA_W
ClientSampleId :
COMP-6

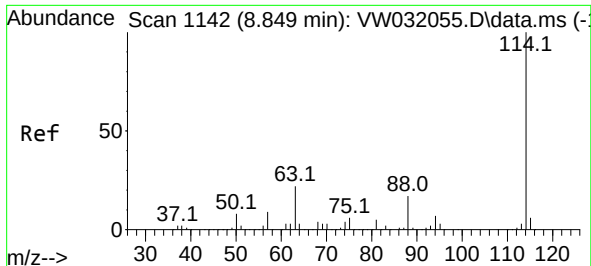
Tgt Ion: 56 Resp: 6878
Ion Ratio Lower Upper
56 100
69 128.4 28.6 42.8#
84 108.8 73.0 109.4



#33
1,2-Dichloroethane-d4
Concen: 57.299 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion: 65 Resp: 141980
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.4

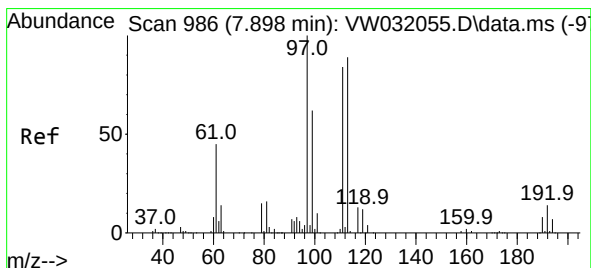
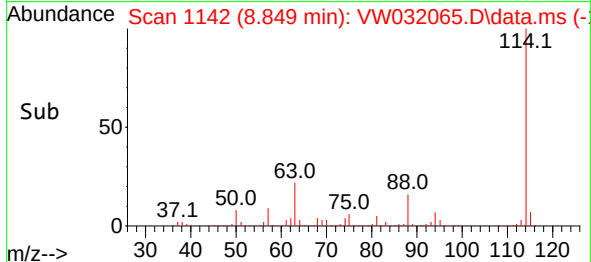
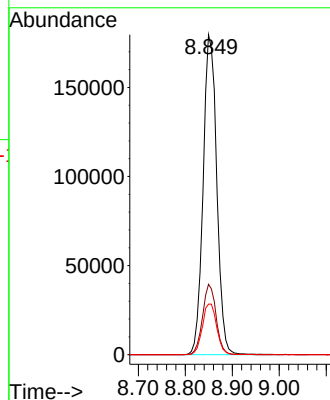
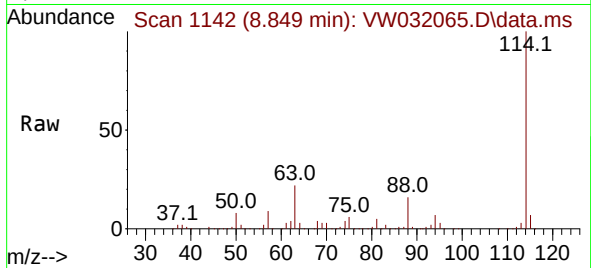




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

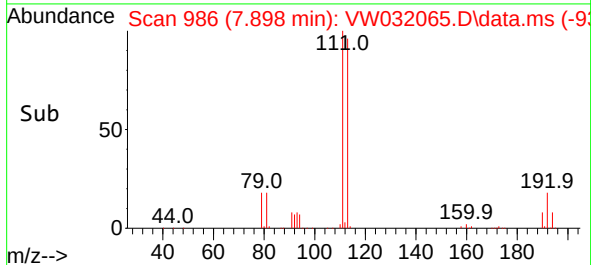
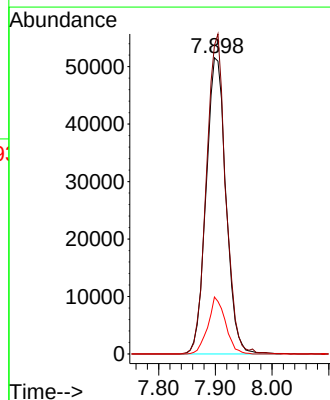
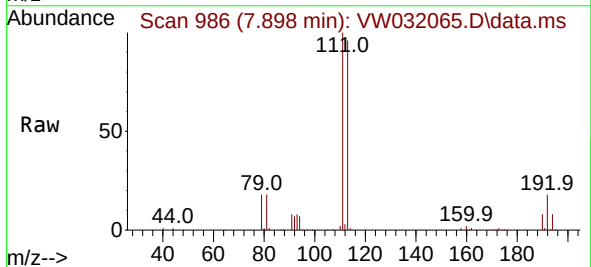
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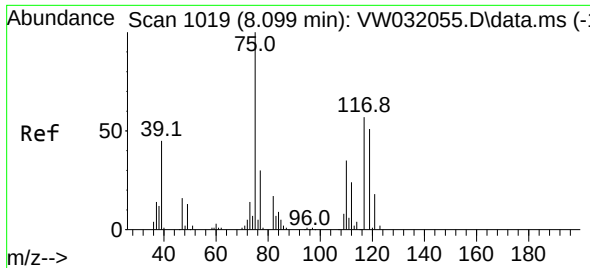
Tgt Ion:114 Resp: 362068
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.0
88 15.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 53.526 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion:113 Resp: 125202
Ion Ratio Lower Upper
113 100
111 104.6 80.1 120.1
192 17.0 13.1 19.7

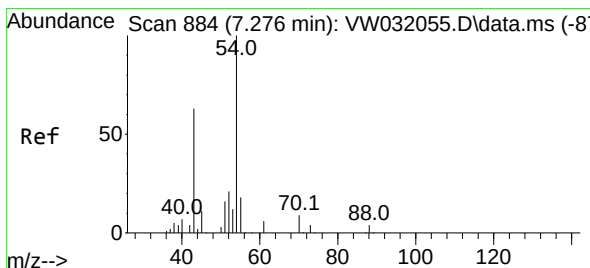
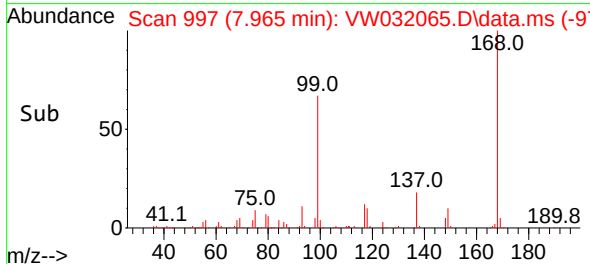
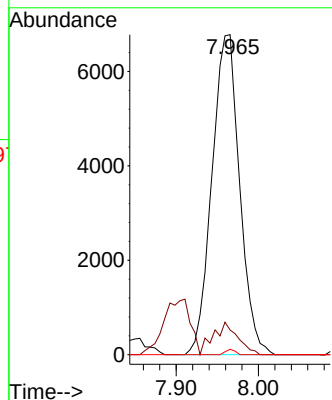
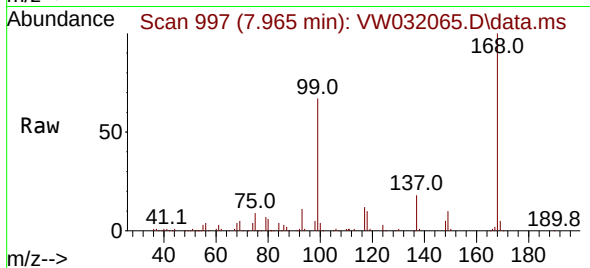




#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 7.965 min Scan# 91
Delta R.T. -0.134 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

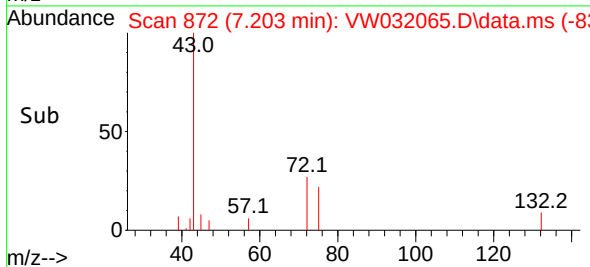
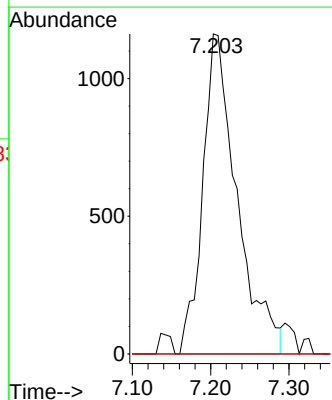
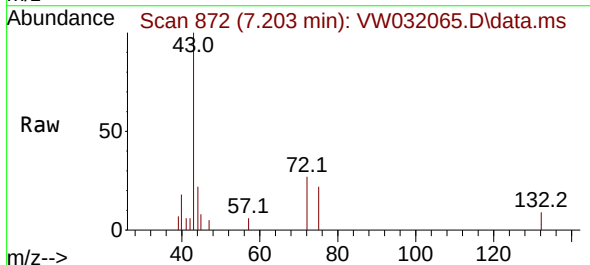
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ClientSampleId :
COMP-6

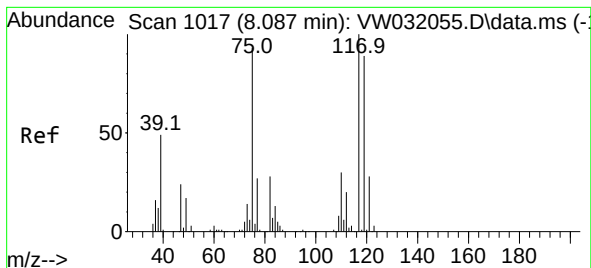
Tgt Ion: 75 Resp: 15875
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.2#
77 0.6 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.817 ug/l
RT: 7.203 min Scan# 872
Delta R.T. -0.073 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion: 43 Resp: 3528
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.213 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032065.D

Acq: 11 Aug 2025 14:44

Instrument :

MSVOA_W

ClientSampleId :

COMP-6

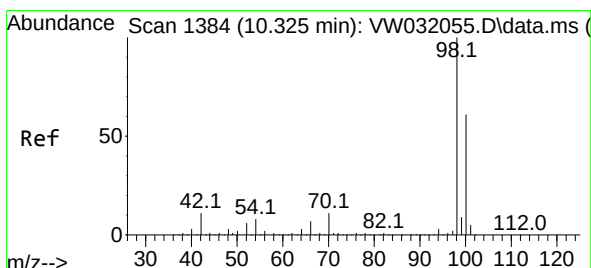
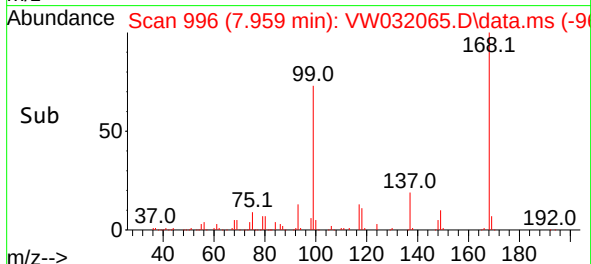
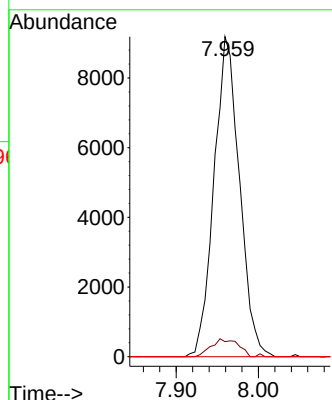
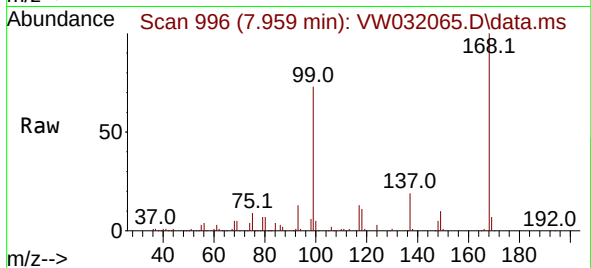
Tgt Ion:117 Resp: 19770

Ion Ratio Lower Upper

117 100

119 4.7 71.4 107.2#

121 0.0 22.3 33.5#



#50

Toluene-d8

Concen: 53.045 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032065.D

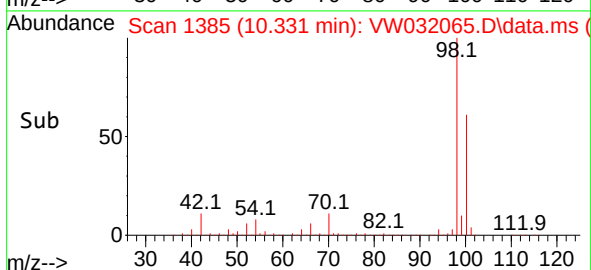
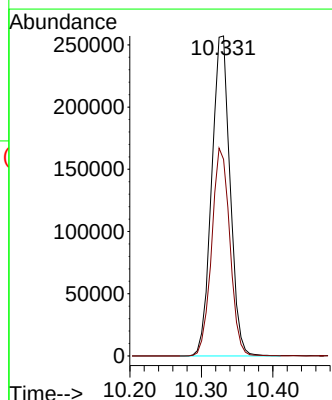
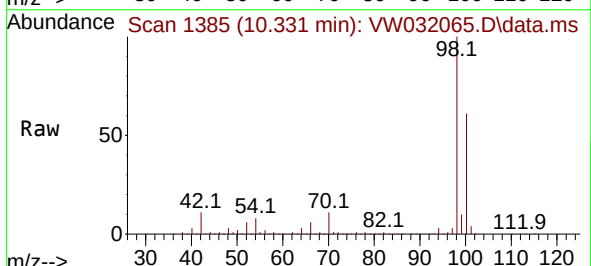
Acq: 11 Aug 2025 14:44

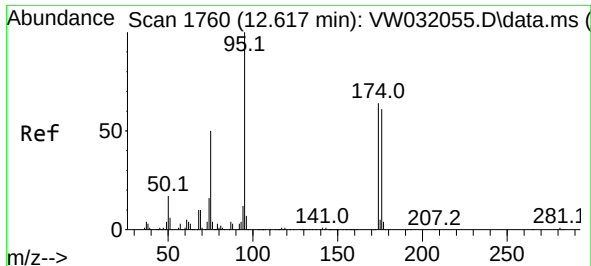
Tgt Ion: 98 Resp: 458928

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

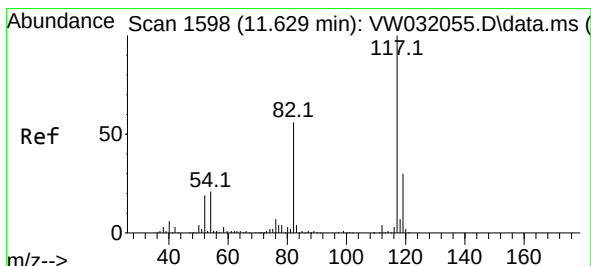
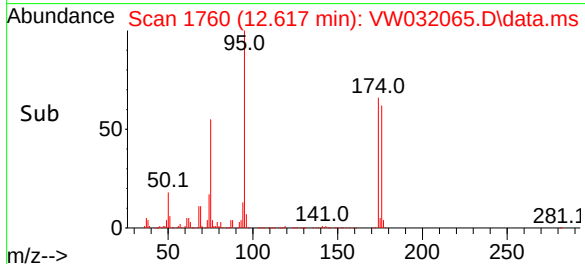
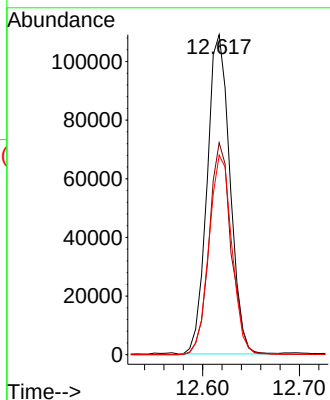
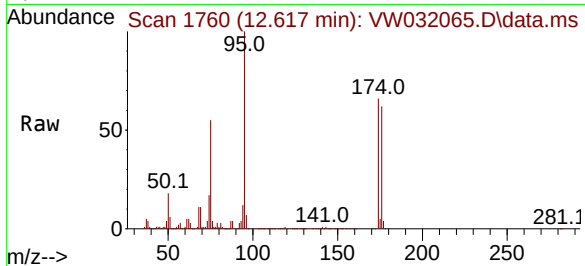




#62
4-Bromofluorobenzene
Concen: 56.125 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

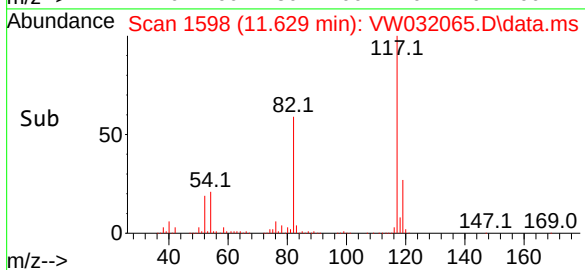
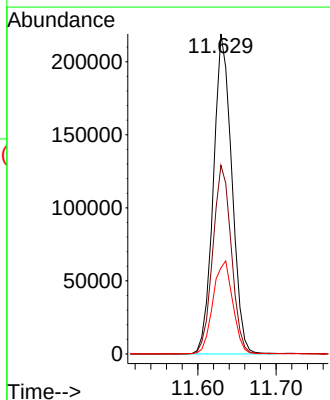
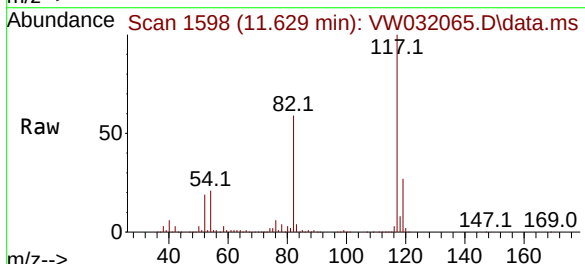
Instrument :
MSVOA_W
ClientSampleId :
COMP-6

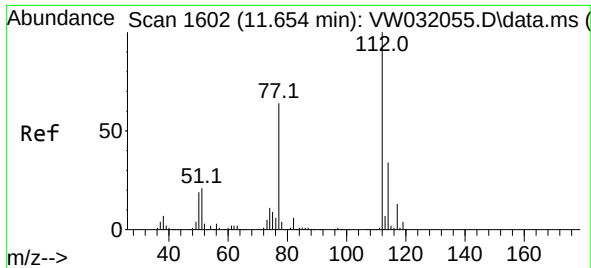
Tgt Ion: 95 Resp: 178940
Ion Ratio Lower Upper
95 100
174 64.4 0.0 129.0
176 62.9 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion: 117 Resp: 358834
Ion Ratio Lower Upper
117 100
82 58.9 45.0 67.4
119 26.9 24.2 36.4

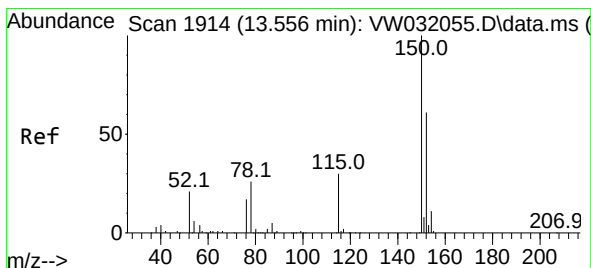
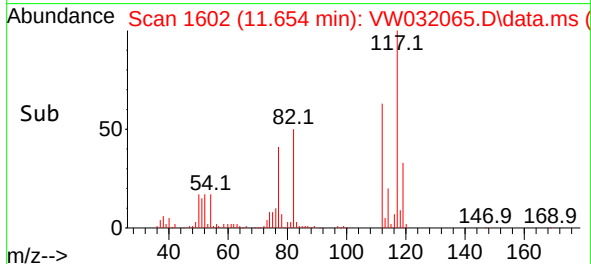
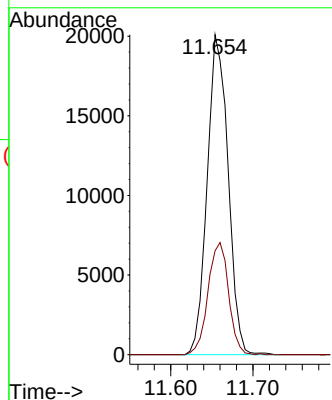
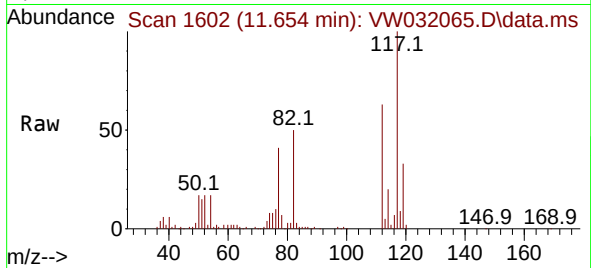




#65
Chlorobenzene
Concen: 4.539 ug/l
RT: 11.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

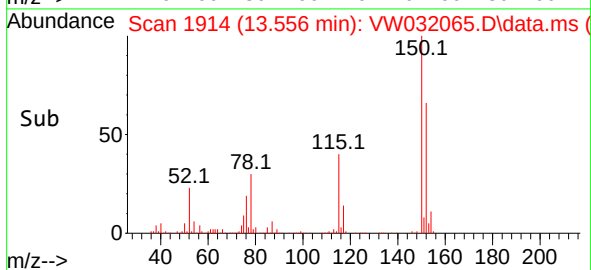
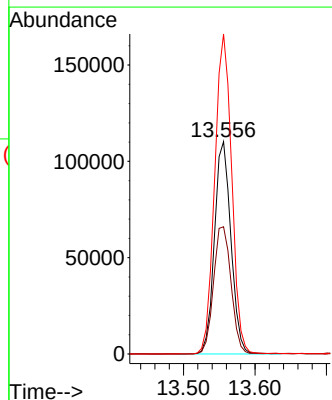
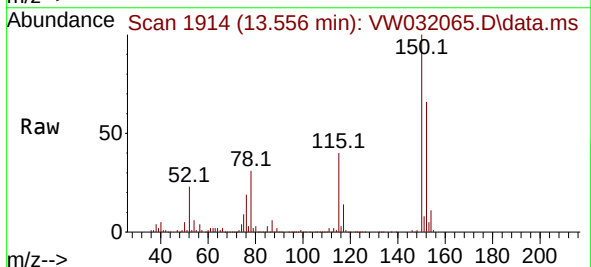
Instrument :
MSVOA_W
ClientSampleId :
COMP-6

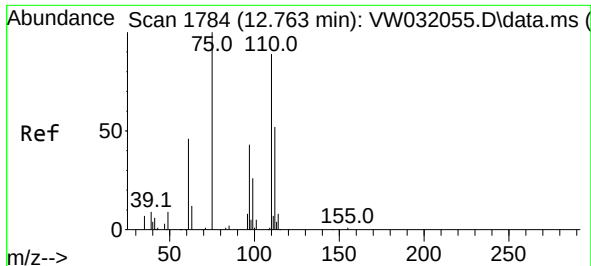
Tgt Ion:112 Resp: 35454
Ion Ratio Lower Upper
112 100
114 32.5 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion:152 Resp: 176343
Ion Ratio Lower Upper
152 100
115 63.9 32.6 97.8
150 155.2 0.0 359.4

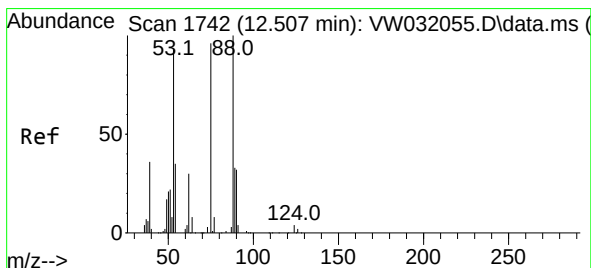
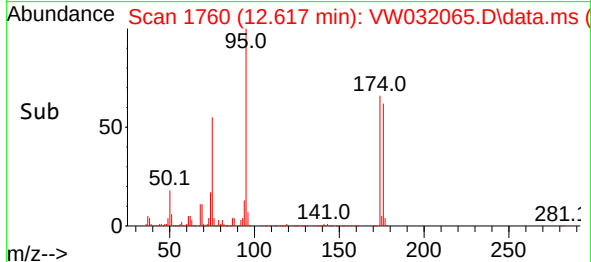
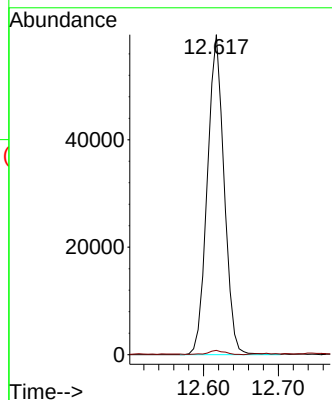
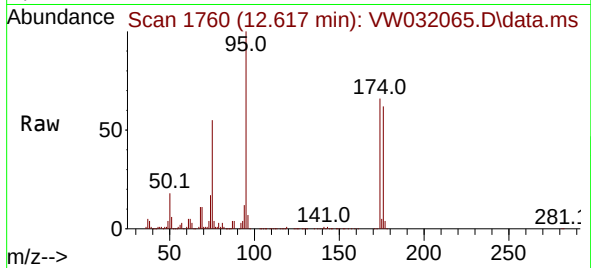




#76
1,2,3-Trichloropropane
Concen: 38.754 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

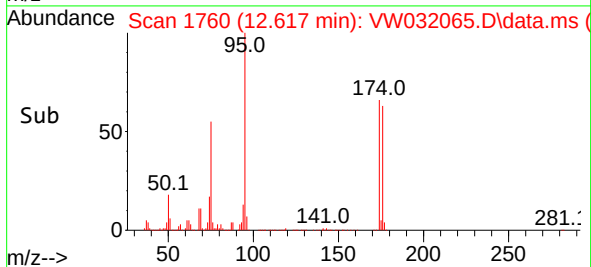
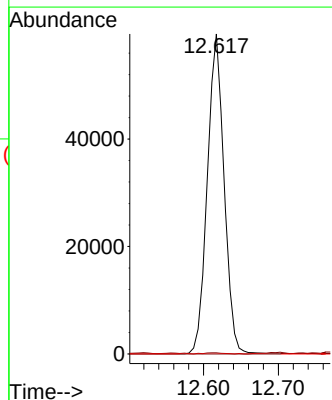
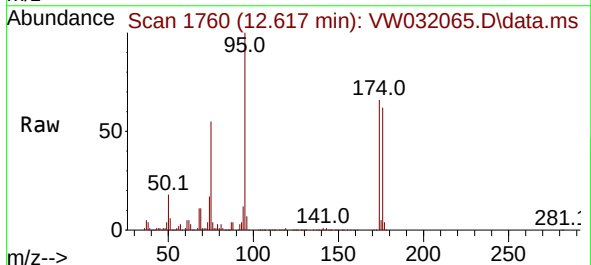
Instrument :
MSVOA_W
ClientSampleId :
COMP-6

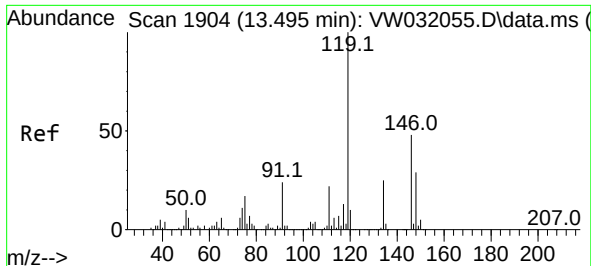
Tgt Ion: 75 Resp: 92752
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.329 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032065.D
Acq: 11 Aug 2025 14:44

Tgt Ion: 75 Resp: 92752
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.6#
89 0.0 37.3 55.9#





#87

1,3-Dichlorobenzene

Concen: 2.394 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.079 min

Lab File: VW032065.D

Acq: 11 Aug 2025 14:44

Instrument :

MSVOA_W

ClientSampleId :

COMP-6

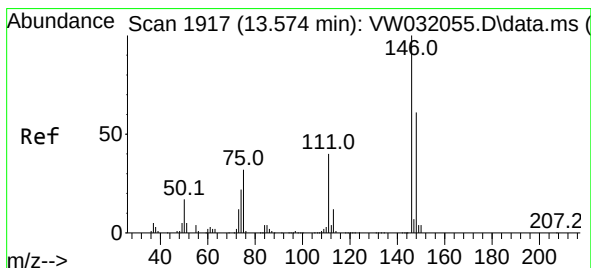
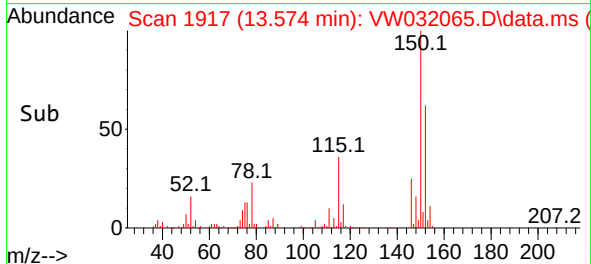
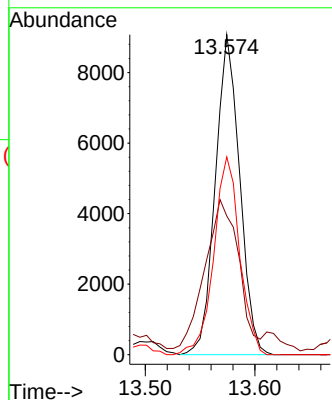
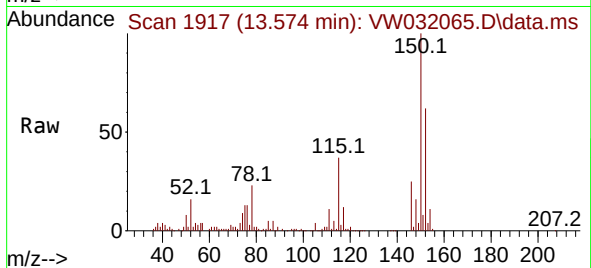
Tgt Ion:146 Resp: 14021

Ion Ratio Lower Upper

146 100

111 63.3 21.2 63.6

148 65.7 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 2.369 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032065.D

Acq: 11 Aug 2025 14:44

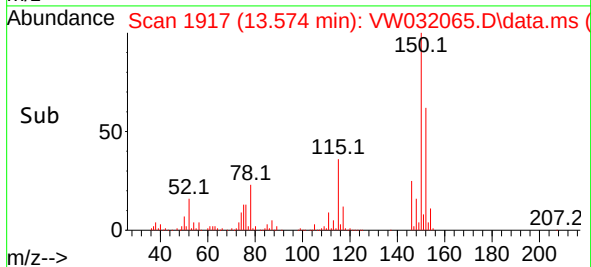
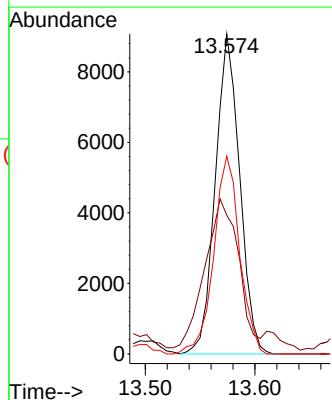
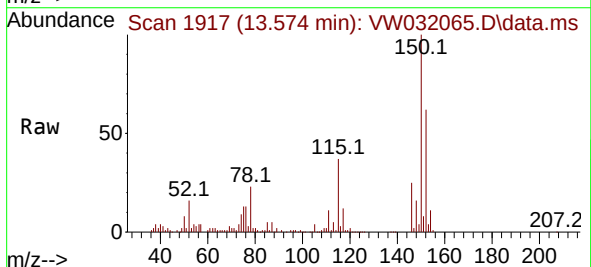
Tgt Ion:146 Resp: 14021

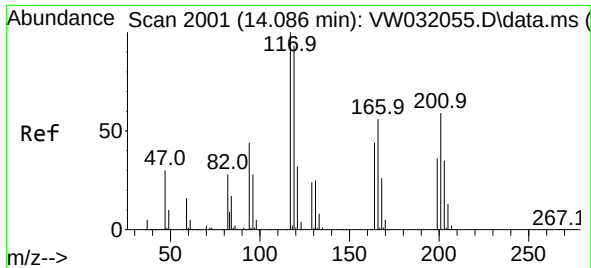
Ion Ratio Lower Upper

146 100

111 63.3 21.6 64.6

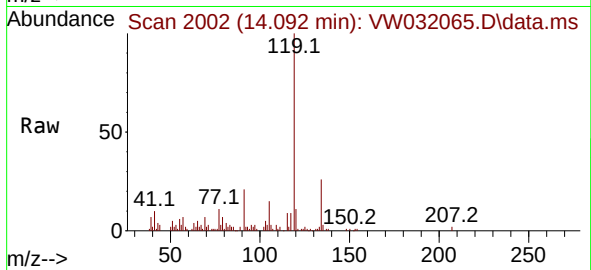
148 65.7 32.0 96.2





#90
 Hexachloroethane
 Concen: 1.084 ug/l
 RT: 14.092 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VW032065.D
 Acq: 11 Aug 2025 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-6



Tgt Ion:117 Resp: 2170
 Ion Ratio Lower Upper
 117 100
 201 0.0 30.9 92.5#

