

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031999.D
 Acq On : 04 Aug 2025 14:18
 Operator : SY/MD
 Sample : Q2759-01
 Misc : 3.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOLID-DRUMS

Quant Time: Aug 05 01:19:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

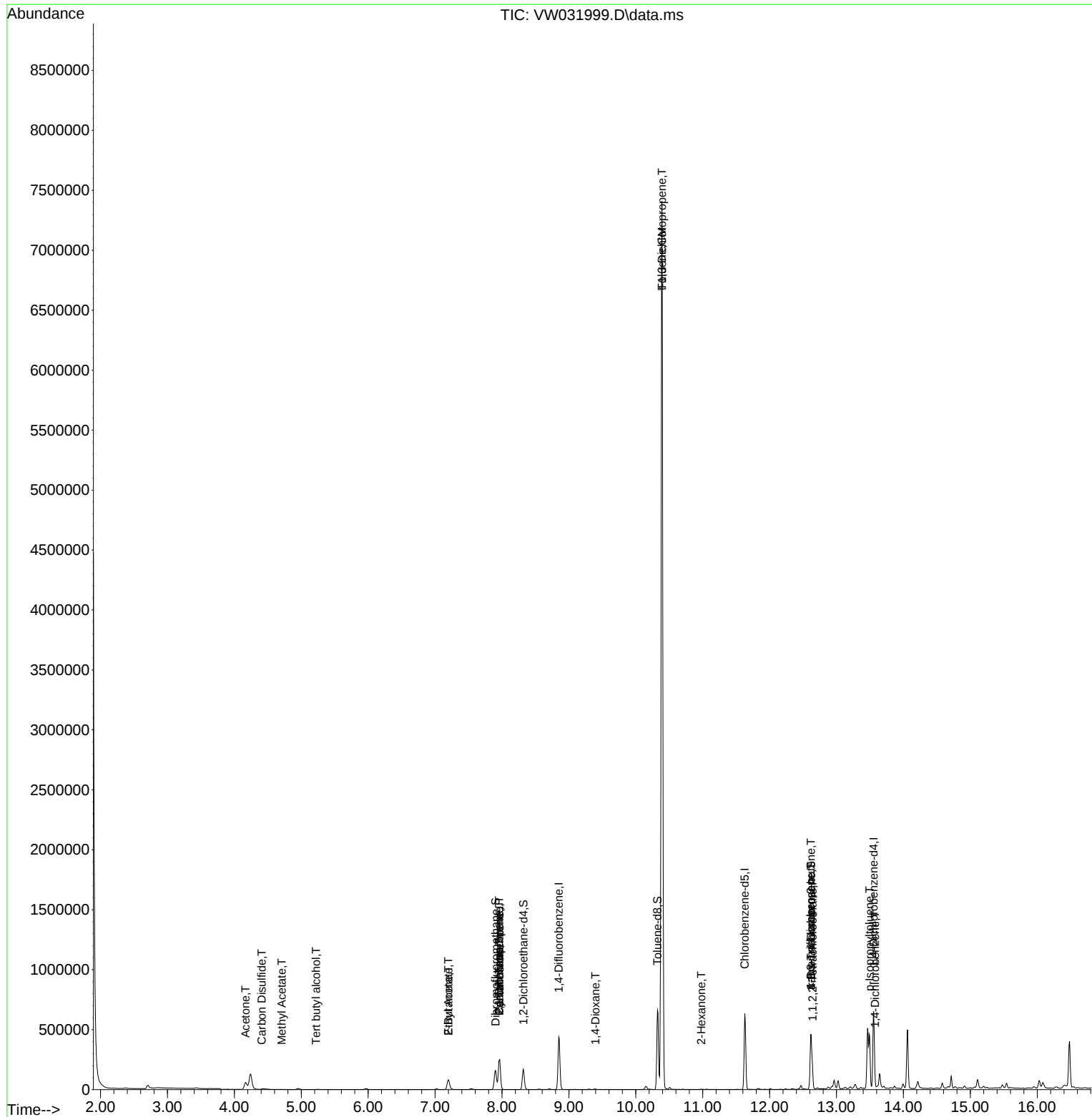
Internal Standards						
1) Pentafluorobenzene	7.965	168	176273	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	370443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	343218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	136690	51.261	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 102.520%			
35) Dibromofluoromethane	7.904	113	119444	47.451	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 94.900%			
50) Toluene-d8	10.325	98	453129	47.563	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.120%			
62) 4-Bromofluorobenzene	12.617	95	157793	43.135	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 86.260%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.222	59	244	1.557	ug/l	# 63
13) Acrolein	3.954	56	20	Below Cal	#	1
16) Acetone	4.167	43	117570	185.804	ug/l	95
17) Carbon Disulfide	4.411	76	10744	1.763	ug/l	# 92
18) Methyl Acetate	4.710	43	2695	1.546	ug/l	# 49
20) Methylene Chloride	4.948	84	7131	Below Cal	#	83
25) 2-Butanone	7.197	43	142016	164.036	ug/l	99
31) Cyclohexane	7.959	56	4393	1.074	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	16736	4.329	ug/l	# 51
37) Ethyl Acetate	7.197	43	142016	64.400	ug/l	# 69
38) Carbon Tetrachloride	7.959	117	21734	5.858	ug/l	# 18
49) 1,4-Dioxane	9.398	88	34	1.995	ug/l	# 1
52) Toluene	10.392	92	3242246	440.748	ug/l	98
53) t-1,3-Dichloropropene	10.392	75	38824	9.880	ug/l	# 1
59) 2-Hexanone	10.977	43	2143	1.411	ug/l	83
75) 1,1,2,2-Tetrachloroethane	12.641	83	6933	2.278	ug/l	# 43
76) 1,2,3-Trichloropropane	12.617	75	80259	35.182	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	80259	81.226	ug/l	# 8
86) p-Isopropyltoluene	13.495	119	251310	19.768	ug/l	88
88) 1,4-Dichlorobenzene	13.574	146	6941	1.097	ug/l	# 70

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031999.D
Acq On : 04 Aug 2025 14:18
Operator : SY/MD
Sample : Q2759-01
Misc : 3.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

Quant Time: Aug 05 01:19:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

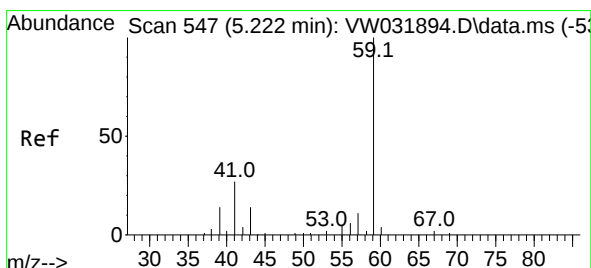
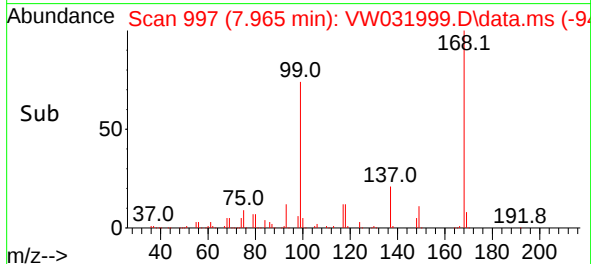
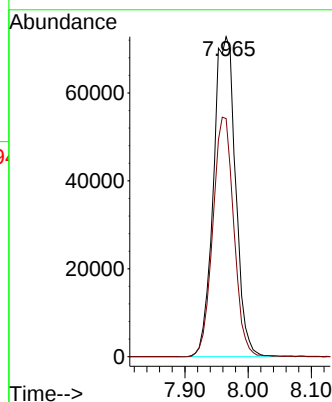
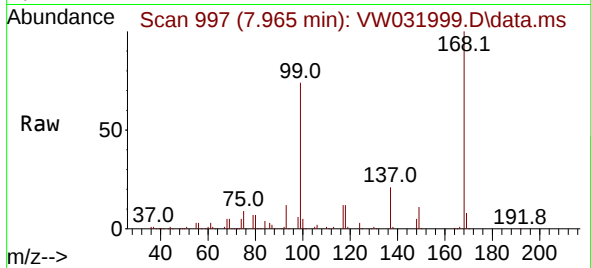




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

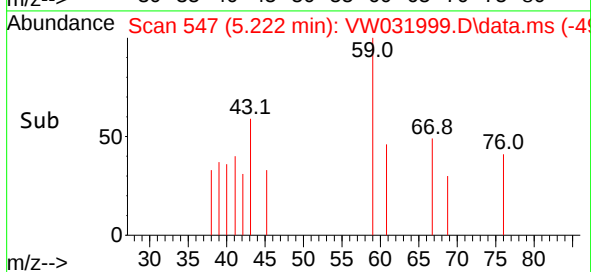
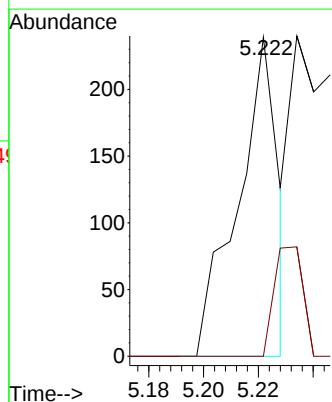
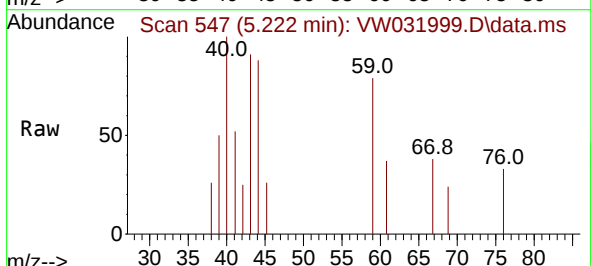
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

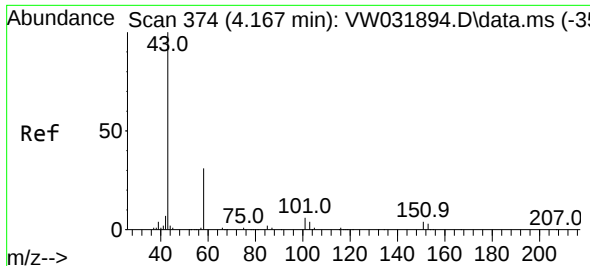
Tgt Ion:168 Resp: 176273
Ion Ratio Lower Upper
168 100
99 74.4 48.2 72.2#



#11
Tert butyl alcohol
Concen: 1.557 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 24.6 8.6 12.8#

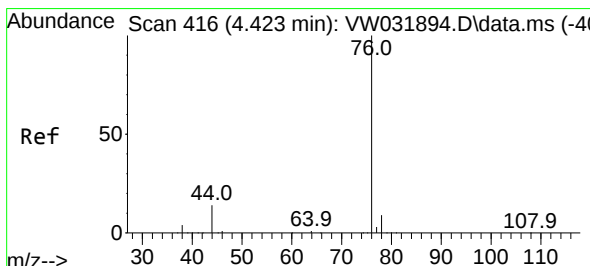
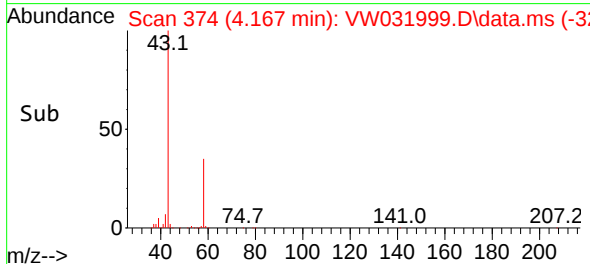
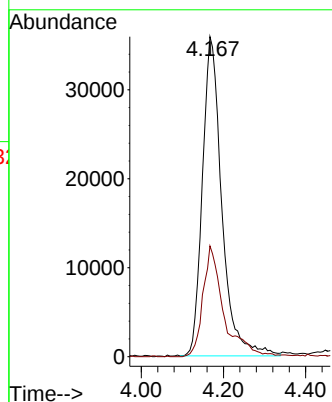
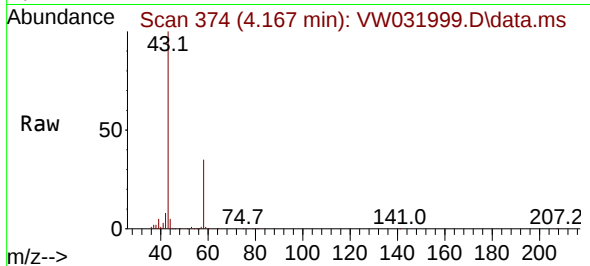




#16
Acetone
Concen: 185.804 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

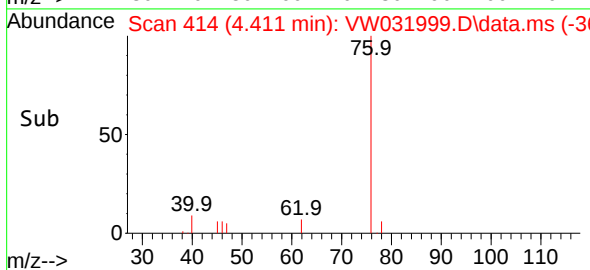
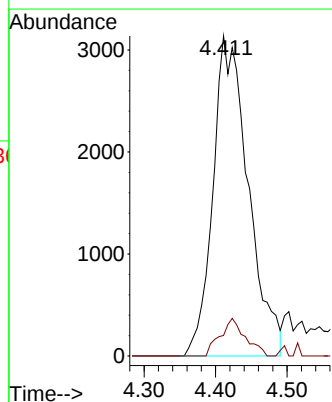
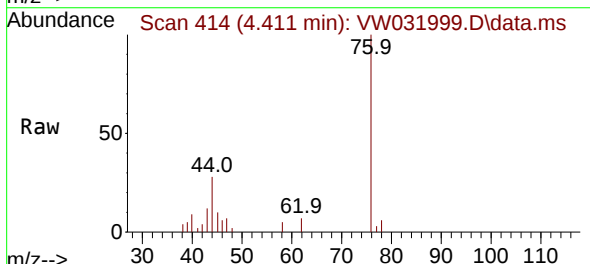
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

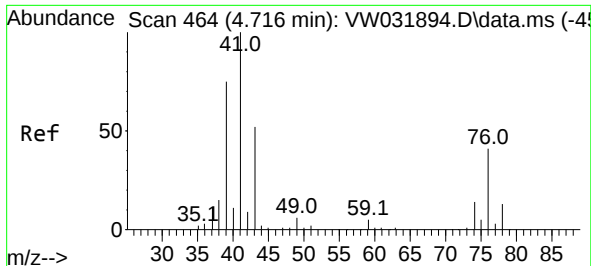
Tgt Ion: 43 Resp: 117570
Ion Ratio Lower Upper
43 100
58 34.7 25.5 38.3



#17
Carbon Disulfide
Concen: 1.763 ug/l
RT: 4.411 min Scan# 414
Delta R.T. -0.012 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 76 Resp: 10744
Ion Ratio Lower Upper
76 100
78 6.4 7.5 11.3#

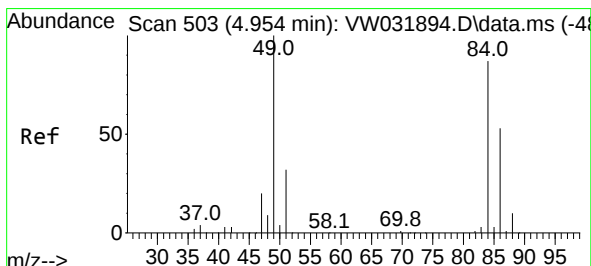
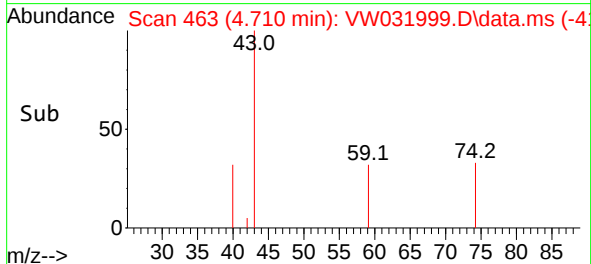
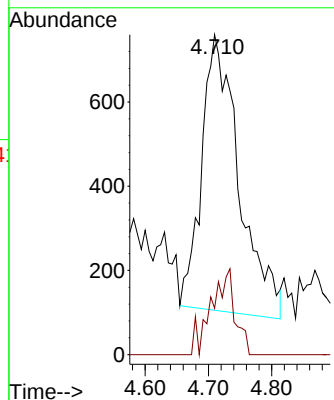
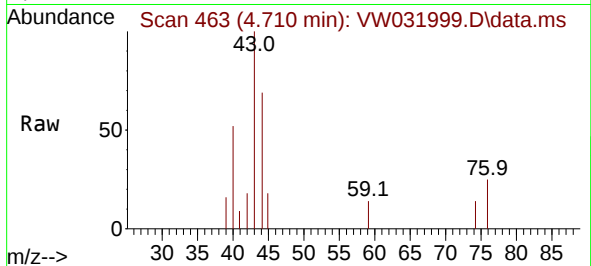




#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

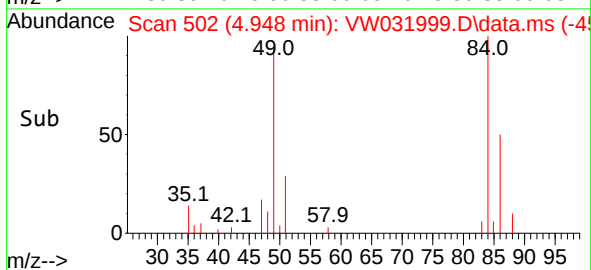
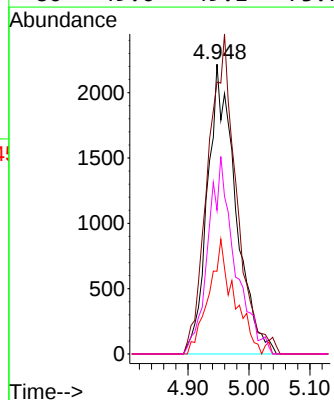
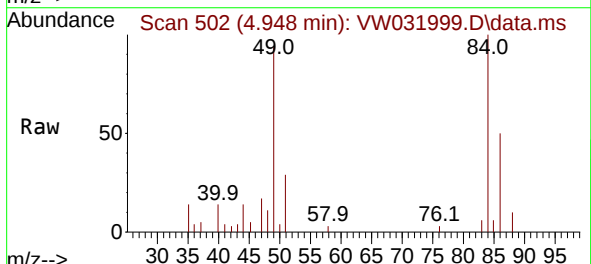
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

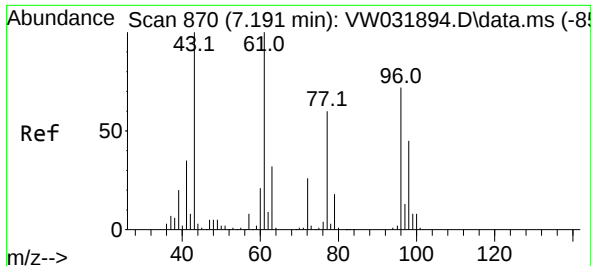
Tgt Ion: 43 Resp: 2695
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 84 Resp: 7131
Ion Ratio Lower Upper
84 100
49 93.8 91.9 137.9
51 28.5 29.0 43.6#
86 49.6 49.1 73.7

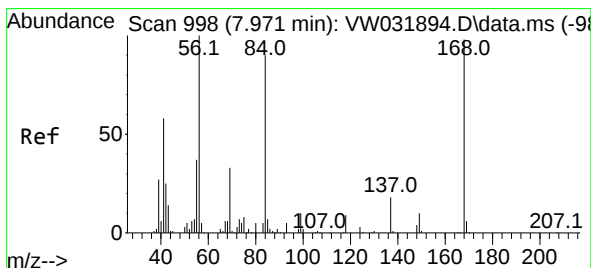
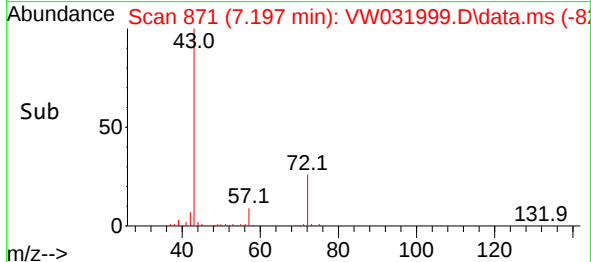
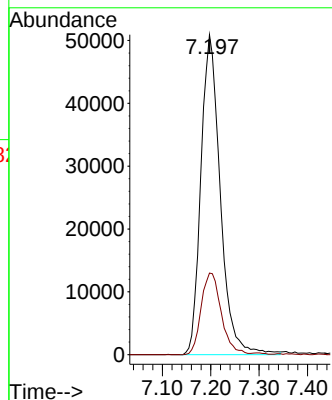
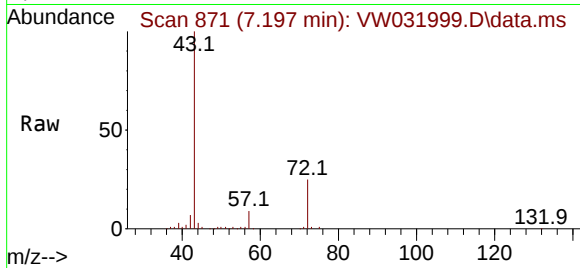




#25
2-Butanone
Concen: 164.036 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

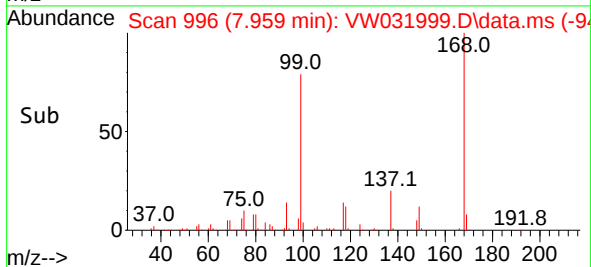
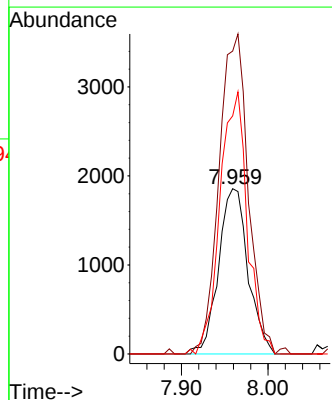
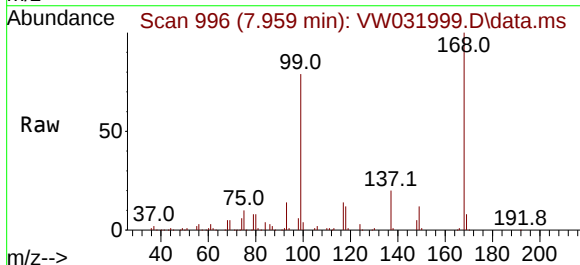
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

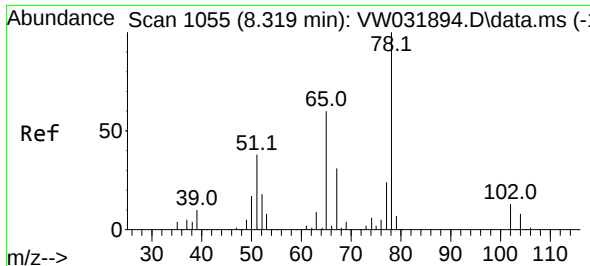
Tgt Ion: 43 Resp: 142016
Ion Ratio Lower Upper
43 100
72 25.5 20.8 31.2



#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 56 Resp: 4393
Ion Ratio Lower Upper
56 100
69 183.4 26.7 40.1#
84 144.1 71.8 107.6#

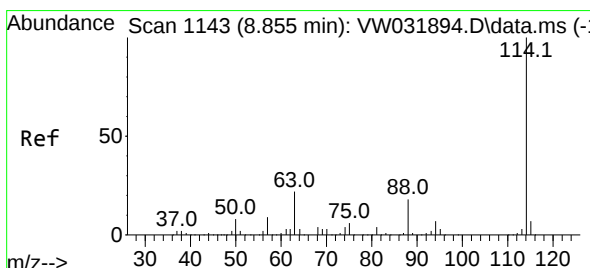
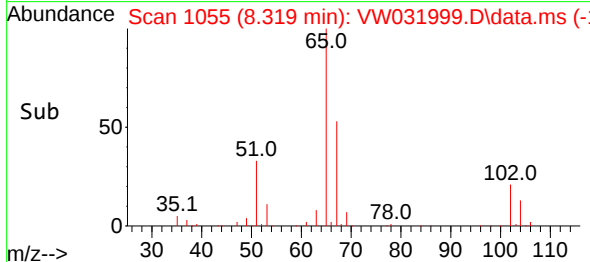
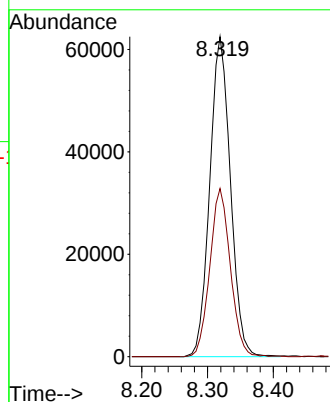
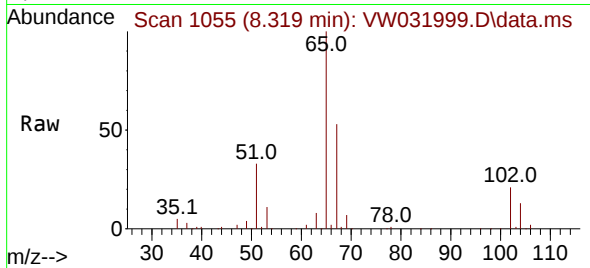




#33
 1,2-Dichloroethane-d4
 Concen: 51.261 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031999.D
 Acq: 04 Aug 2025 14:18

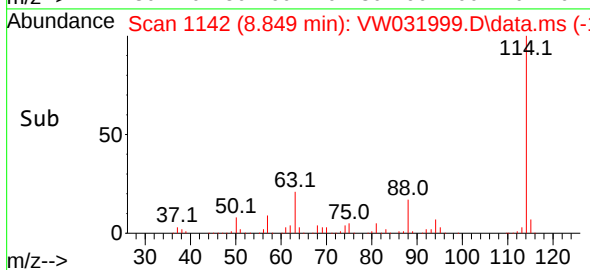
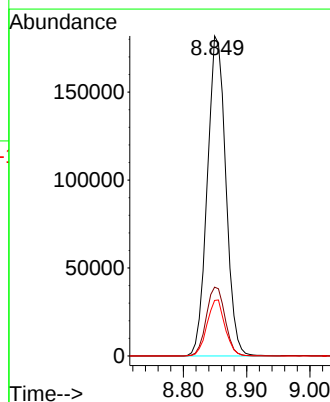
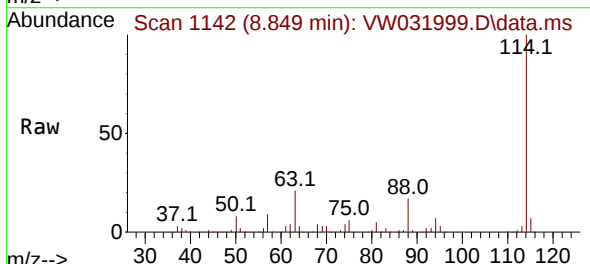
Instrument :
 MSVOA_W
 ClientSampleId :
 SOLID-DRUMS

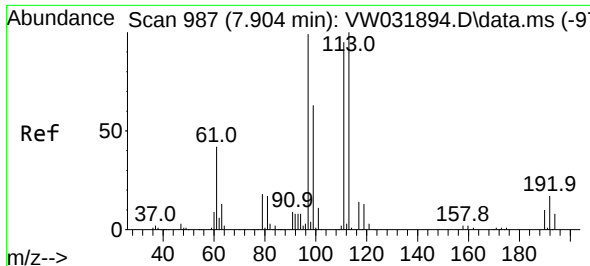
Tgt Ion: 65 Resp: 136690
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031999.D
 Acq: 04 Aug 2025 14:18

Tgt Ion: 114 Resp: 370443
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.2
 88 17.4 0.0 35.6

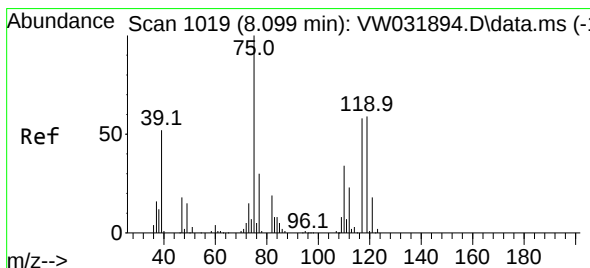
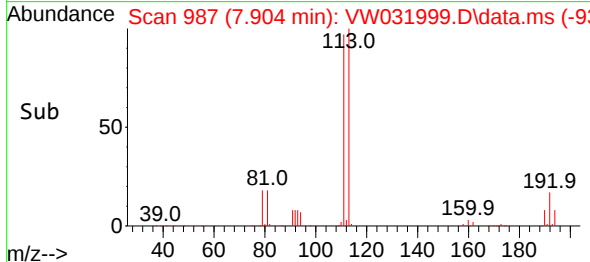
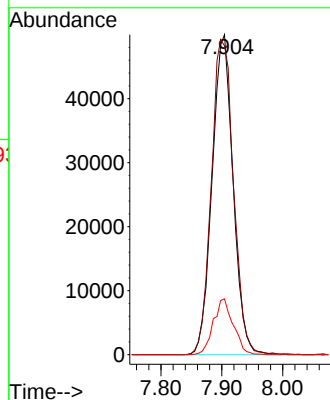
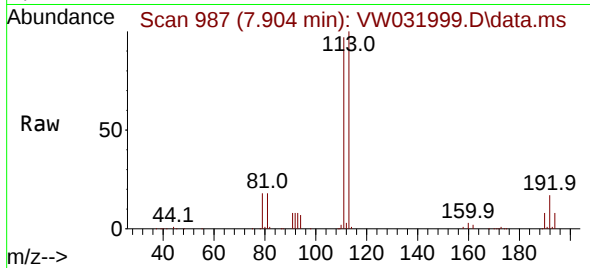




#35
Dibromofluoromethane
Concen: 47.451 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

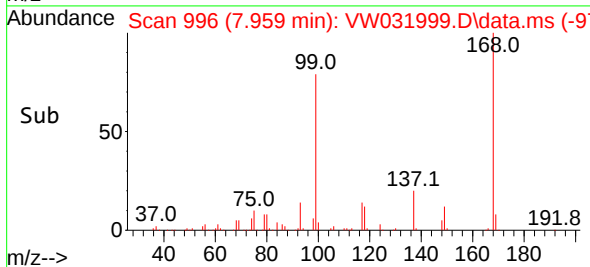
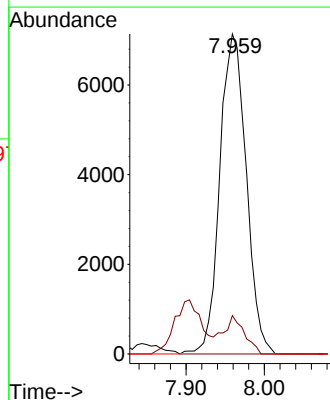
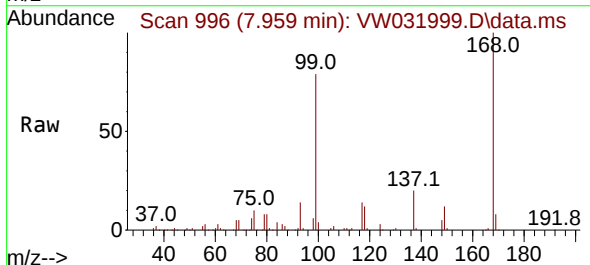
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

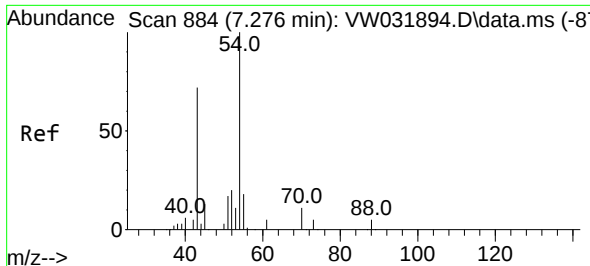
Tgt Ion:113 Resp: 119444
Ion Ratio Lower Upper
113 100
111 104.1 79.9 119.9
192 16.6 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.329 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 75 Resp: 16736
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 25.1 37.7#

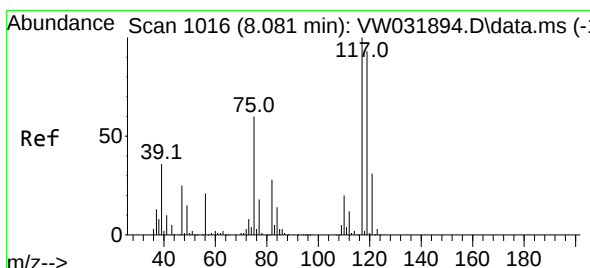
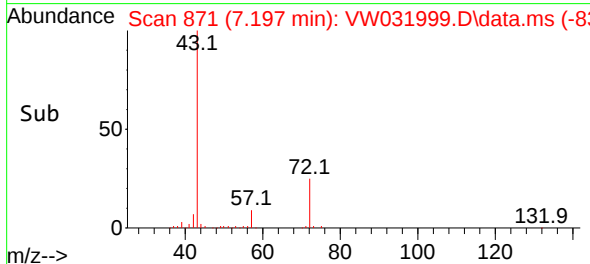
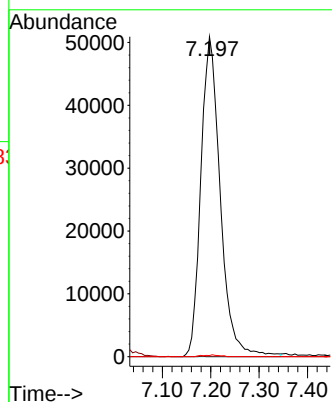
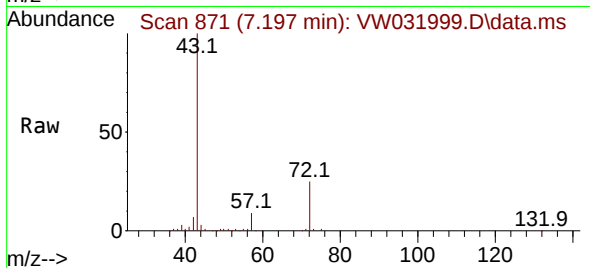




#37
Ethyl Acetate
Concen: 64.400 ug/l
RT: 7.197 min Scan# 81
Delta R.T. -0.079 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

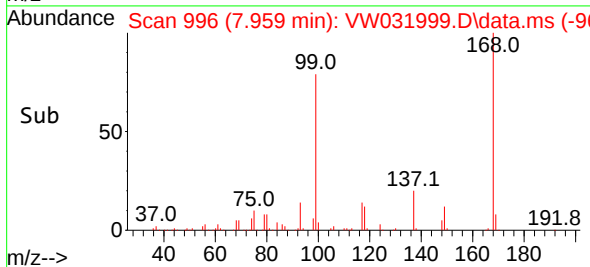
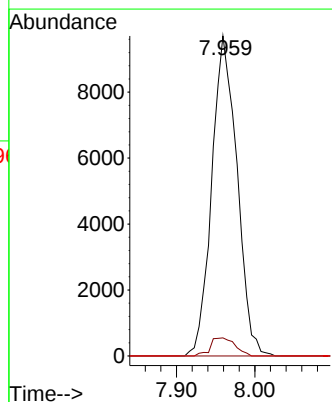
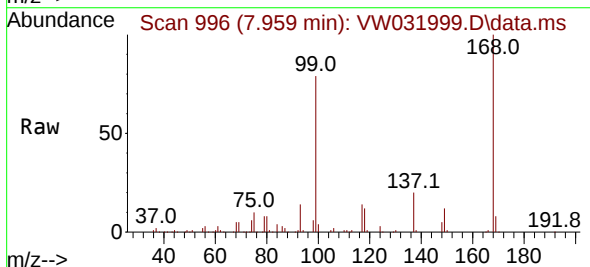
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

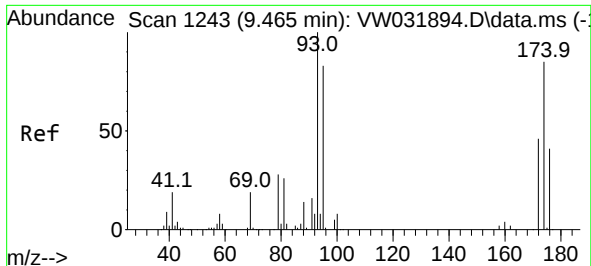
Tgt Ion: 43 Resp: 142016
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.3 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 117 Resp: 21734
Ion Ratio Lower Upper
117 100
119 5.7 74.3 111.5#
121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.995 ug/l

RT: 9.398 min Scan# 11

Delta R.T. -0.067 min

Lab File: VW031999.D

Acq: 04 Aug 2025 14:18

Instrument :

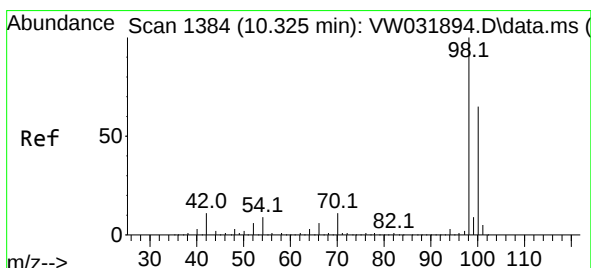
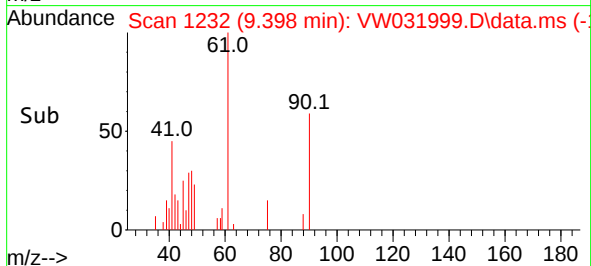
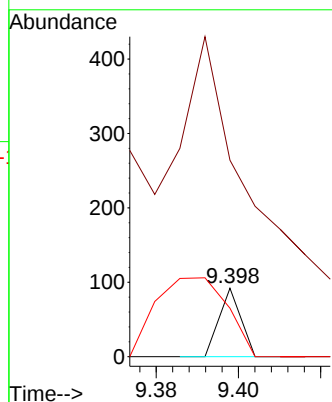
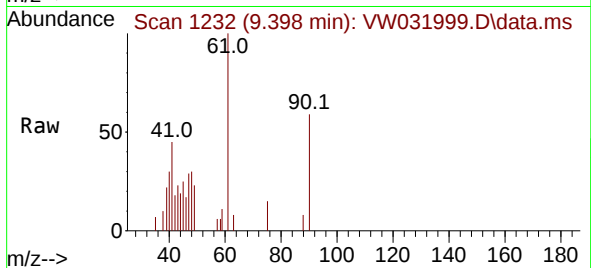
MSVOA_W

ClientSampleId :

SOLID-DRUMS

Tgt Ion: 88 Resp: 34

Ion	Ratio	Lower	Upper
88	100		
43	2541.2	19.0	28.4#
58	376.5	58.2	87.2#



#50

Toluene-d8

Concen: 47.563 ug/l

RT: 10.325 min Scan# 1384

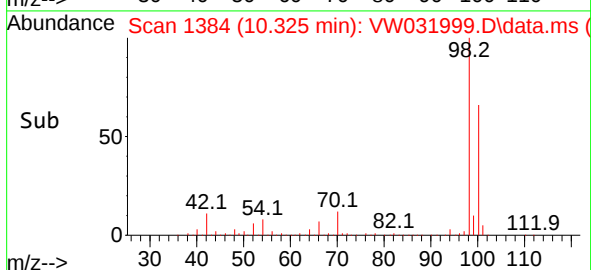
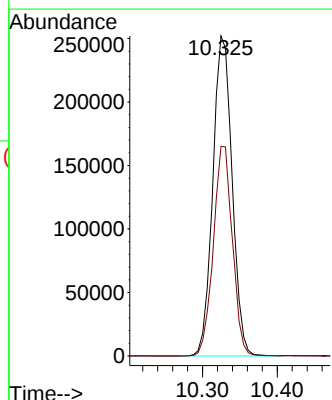
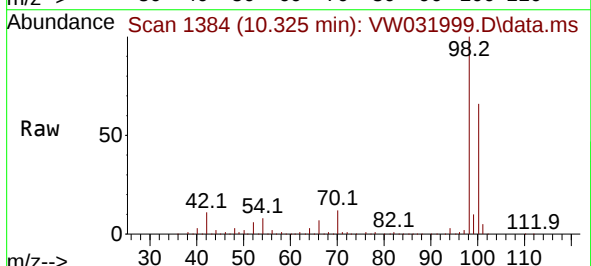
Delta R.T. 0.000 min

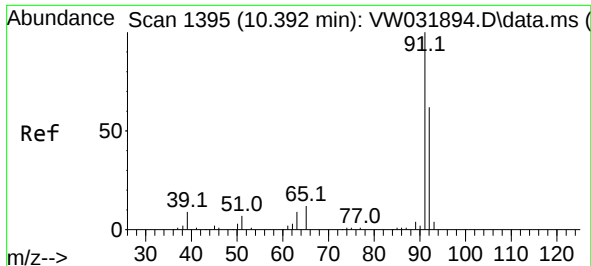
Lab File: VW031999.D

Acq: 04 Aug 2025 14:18

Tgt Ion: 98 Resp: 453129

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5

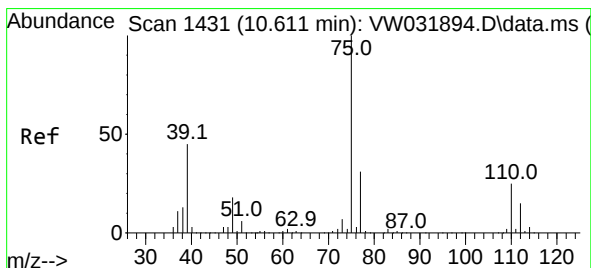
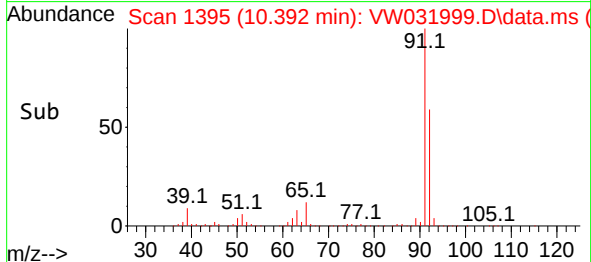
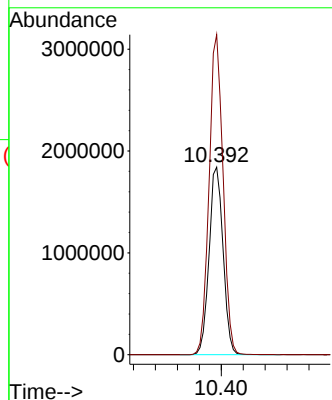
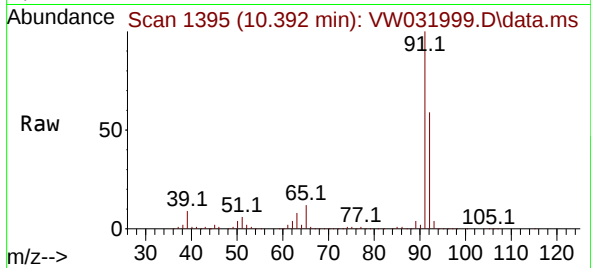




#52
Toluene
Concen: 440.748 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

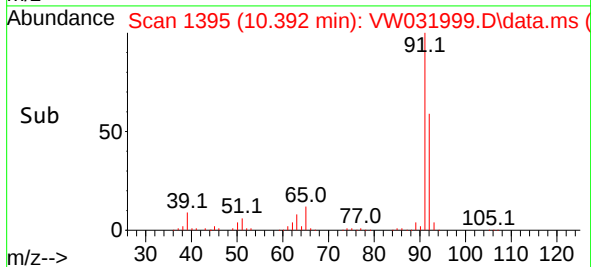
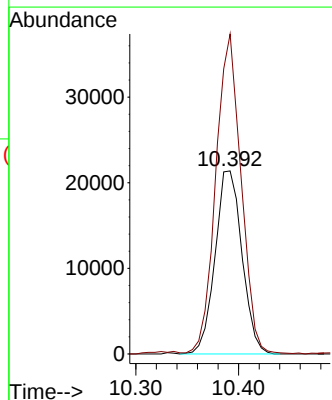
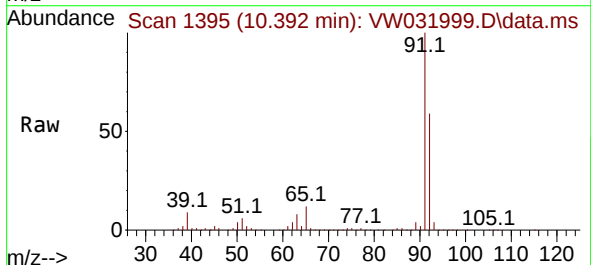
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

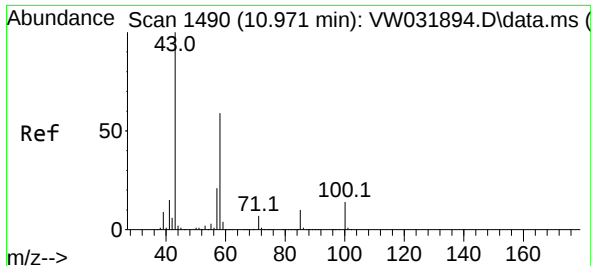
Tgt Ion: 92 Resp: 3242246
Ion Ratio Lower Upper
92 100
91 170.1 133.7 200.5



#53
t-1,3-Dichloropropene
Concen: 9.880 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.219 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 75 Resp: 38824
Ion Ratio Lower Upper
75 100
77 174.2 25.2 37.8#

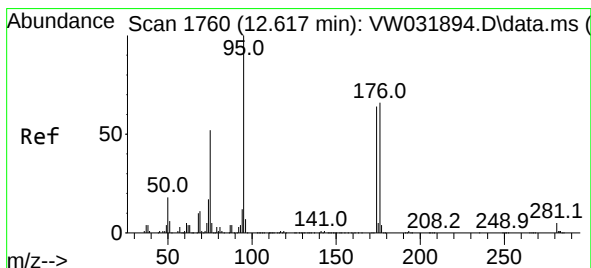
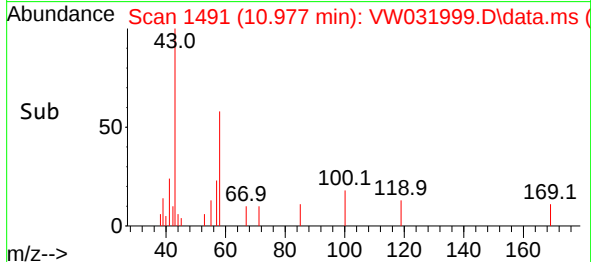
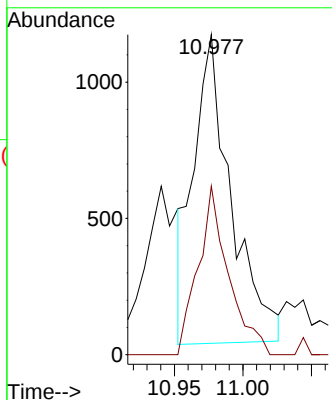
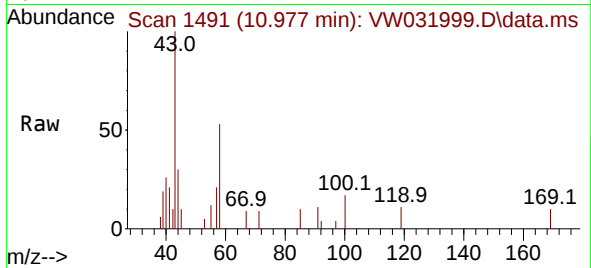




#59
2-Hexanone
Concen: 1.411 ug/l
RT: 10.977 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

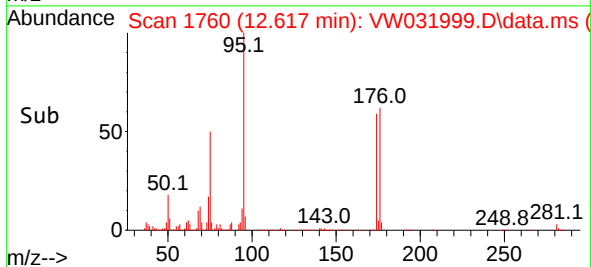
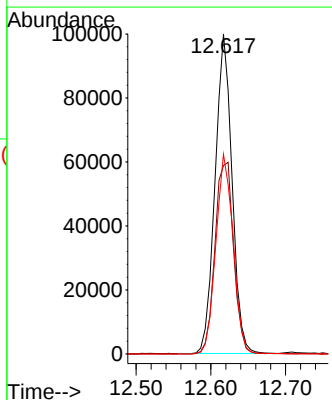
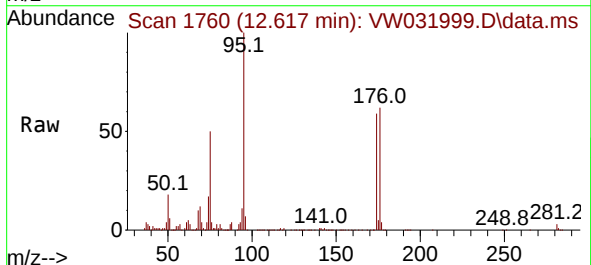
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

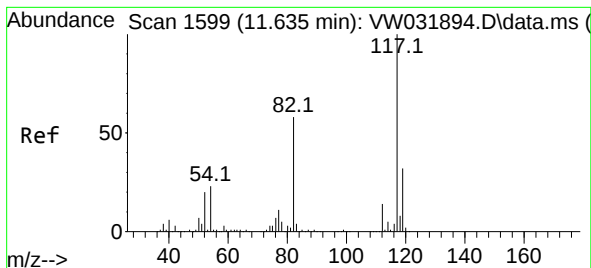
Tgt Ion: 43 Resp: 2143
Ion Ratio Lower Upper
43 100
58 44.5 28.5 85.6



#62
4-Bromofluorobenzene
Concen: 43.135 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

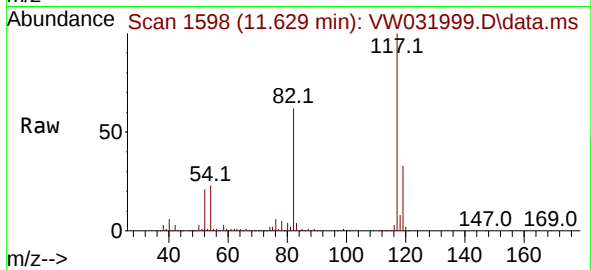
Tgt Ion: 95 Resp: 157793
Ion Ratio Lower Upper
95 100
174 66.1 0.0 129.8
176 63.9 0.0 130.4



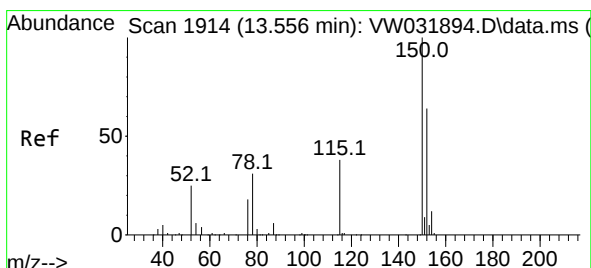
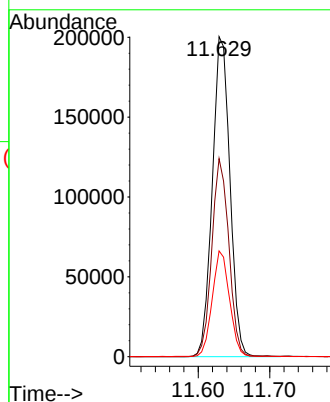
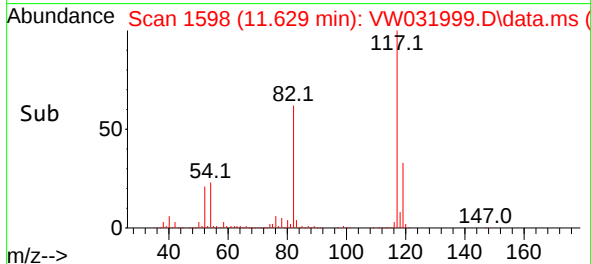


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

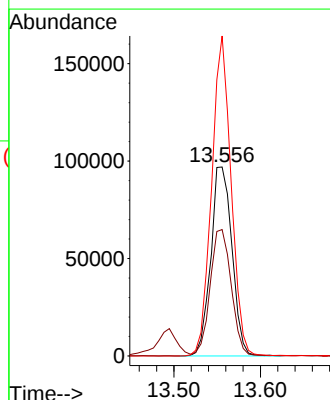
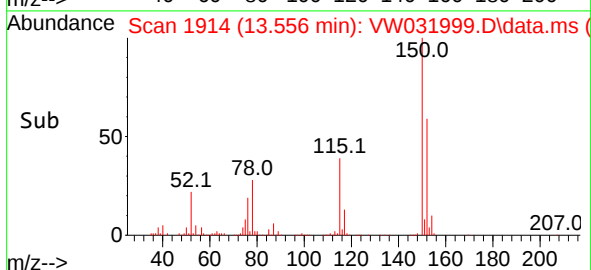
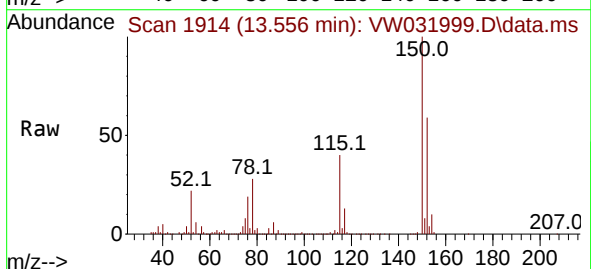


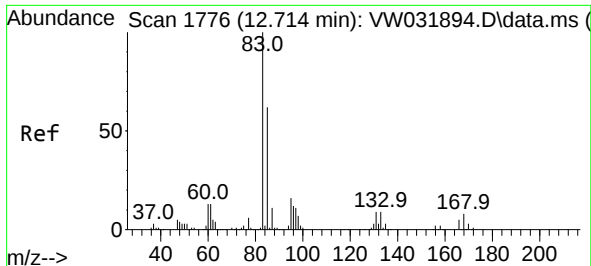
Tgt Ion:117 Resp: 343218
Ion Ratio Lower Upper
117 100
82 61.9 46.5 69.7
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion:152 Resp: 165229
Ion Ratio Lower Upper
152 100
115 66.2 33.4 100.1
150 155.1 0.0 352.2

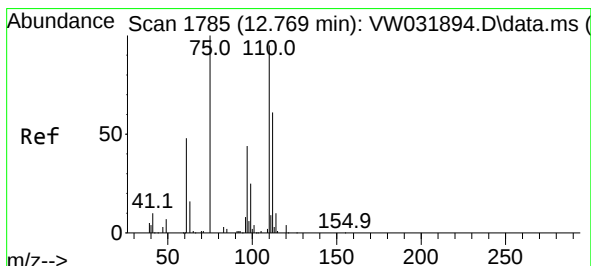
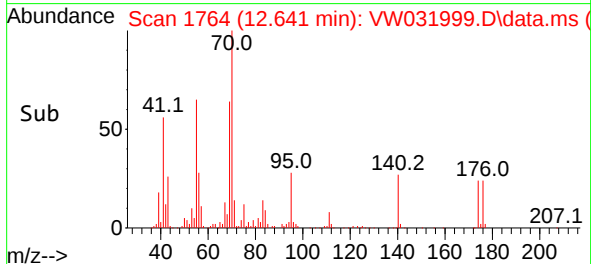
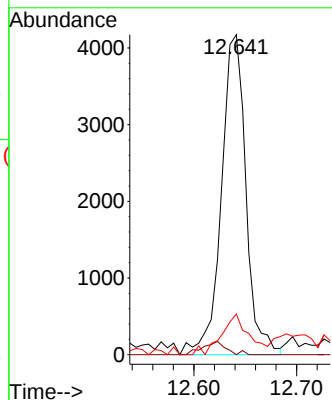
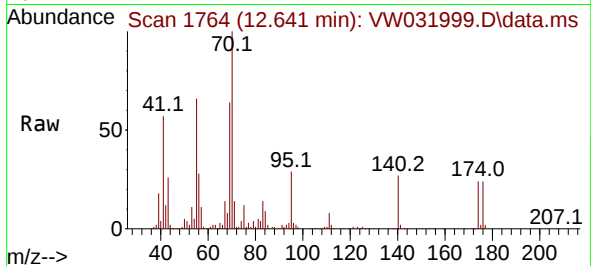




#75
1,1,2-Tetrachloroethane
Concen: 2.278 ug/l
RT: 12.641 min Scan# 11
Delta R.T. -0.073 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

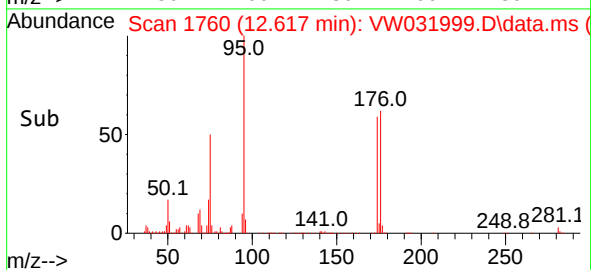
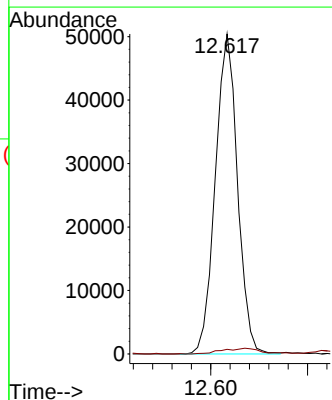
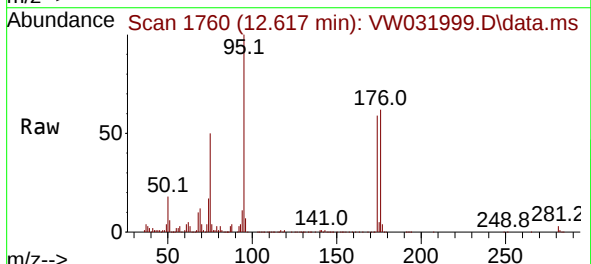
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

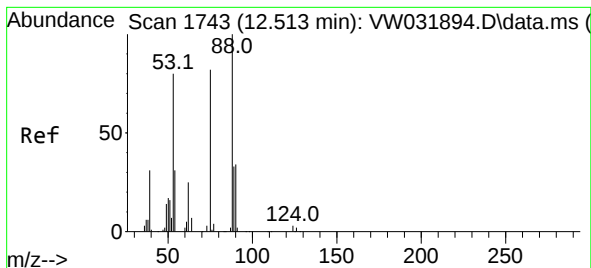
Tgt Ion: 83 Resp: 6933
Ion Ratio Lower Upper
83 100
131 4.0 5.0 15.0#
85 14.3 31.8 95.3#



#76
1,2,3-Trichloropropane
Concen: 35.182 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 75 Resp: 80259
Ion Ratio Lower Upper
75 100
77 3.2 0.0 0.0#

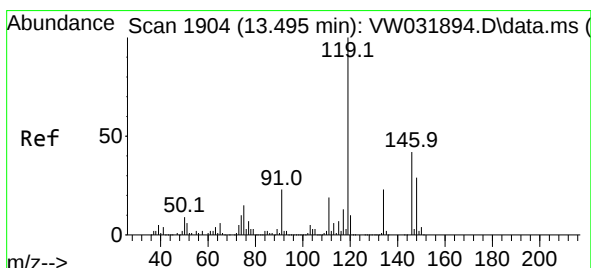
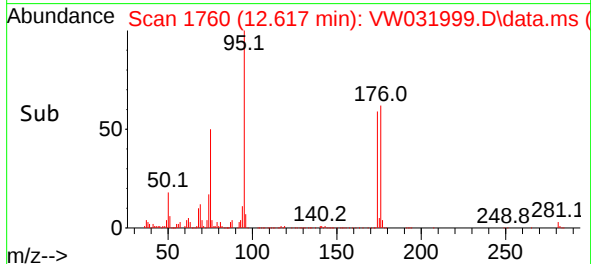
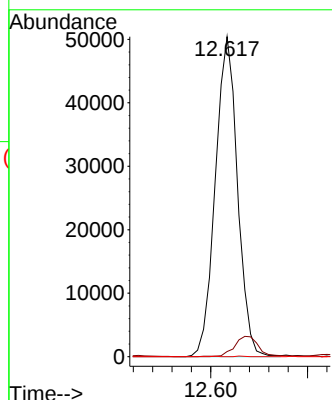
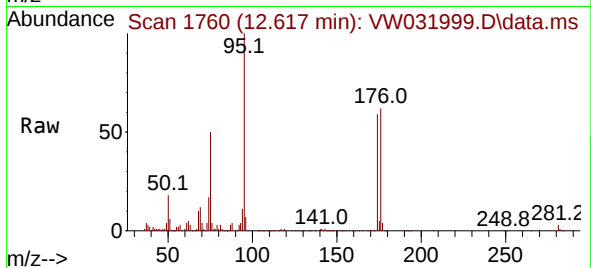




#81
trans-1,4-Dichloro-2-butene
Concen: 81.226 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

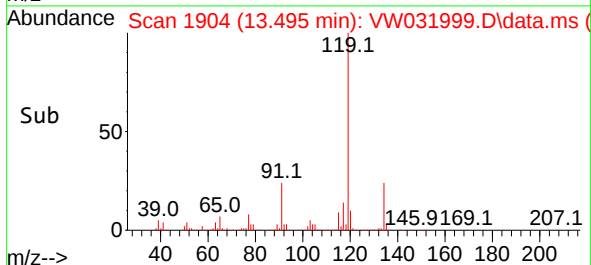
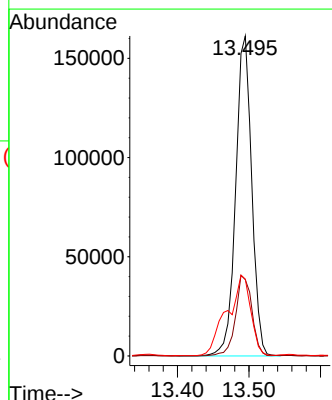
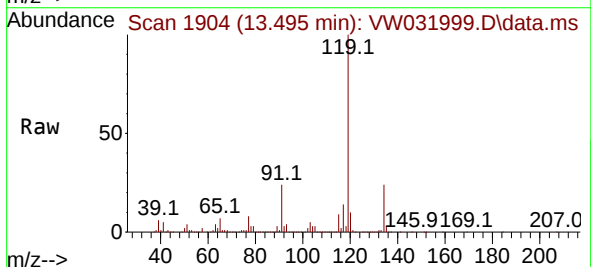
Instrument :
MSVOA_W
ClientSampleId :
SOLID-DRUMS

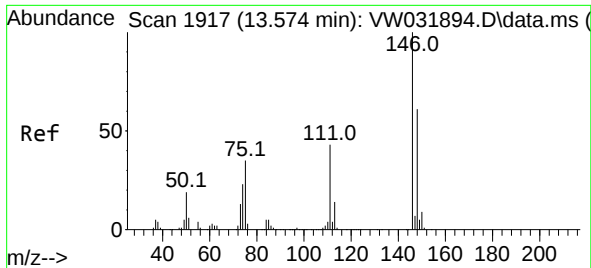
Tgt Ion: 75 Resp: 80259
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#



#86
p-Isopropyltoluene
Concen: 19.768 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031999.D
Acq: 04 Aug 2025 14:18

Tgt Ion: 119 Resp: 251310
Ion Ratio Lower Upper
119 100
134 25.7 13.0 39.0
91 37.1 12.7 38.1





#88
 1,4-Dichlorobenzene
 Concen: 1.097 ug/l
 RT: 13.574 min Scan# 1917
 Delta R.T. 0.000 min
 Lab File: VW031999.D
 Acq: 04 Aug 2025 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 SOLID-DRUMS

Tgt Ion:146 Resp: 6941
 Ion Ratio Lower Upper
 146 100
 111 80.1 22.1 66.3#
 148 72.5 31.8 95.3

