

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031849.D
 Acq On : 14 Jul 2025 14:36
 Operator : SY/MD
 Sample : Q2559-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 500-3B CONCRETE CHIP

Quant Time: Jul 15 02:45:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

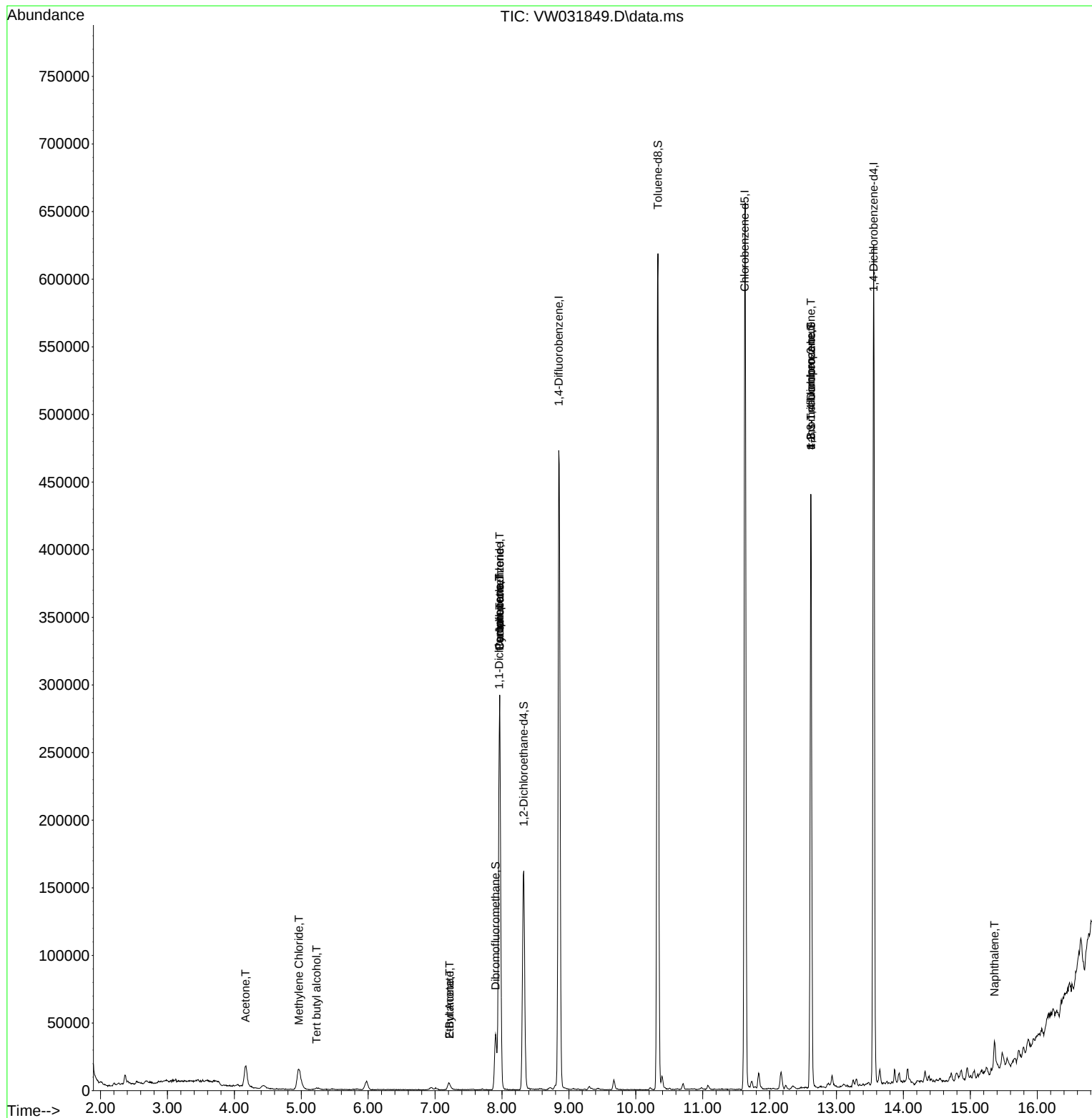
Internal Standards						
1) Pentafluorobenzene	7.965	168	193723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	400699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	360732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	135005	48.560	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.120%
35) Dibromofluoromethane	7.904	113	31136	11.908	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	23.820%#
50) Toluene-d8	10.331	98	415392	42.690	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	85.380%
62) 4-Bromofluorobenzene	12.617	95	158334	44.217	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	88.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	1173	6.810	ug/l	99
16) Acetone	4.167	43	30057	43.740	ug/l	92
20) Methylene Chloride	4.966	84	15579	1.434	ug/l	96
25) 2-Butanone	7.215	43	8790	9.832	ug/l	95
31) Cyclohexane	7.965	56	4782	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18903	4.996	ug/l #	51
37) Ethyl Acetate	7.215	43	8790	3.683	ug/l #	68
38) Carbon Tetrachloride	7.965	117	22035	5.715	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	82191	40.688	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	82191	94.770	ug/l #	8
95) Naphthalene	15.360	128	20393	2.775	ug/l	97

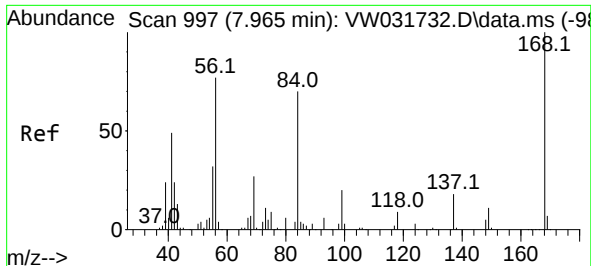
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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500-3B CONCRETE CHIP

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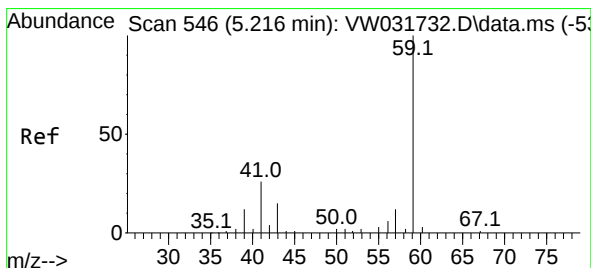
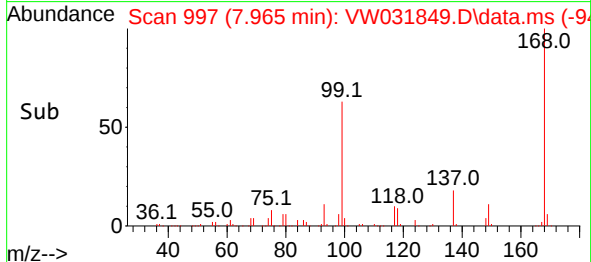
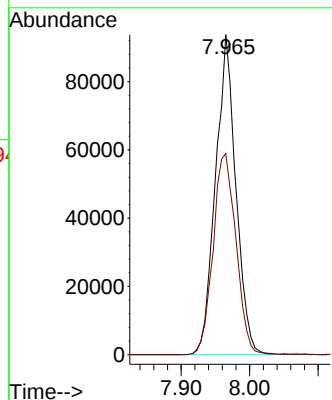
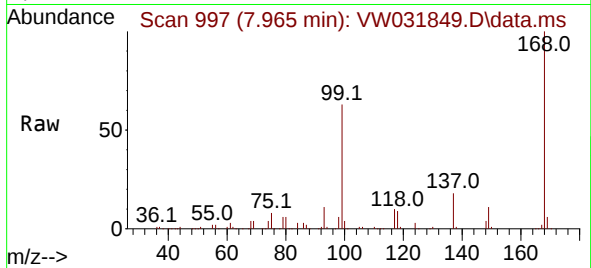




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

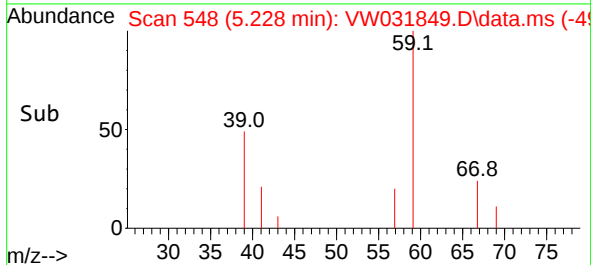
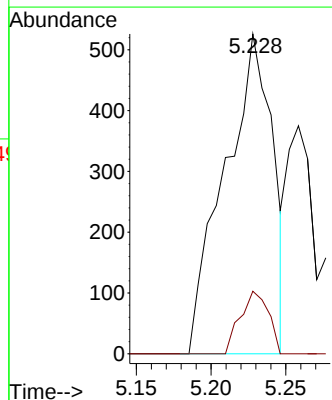
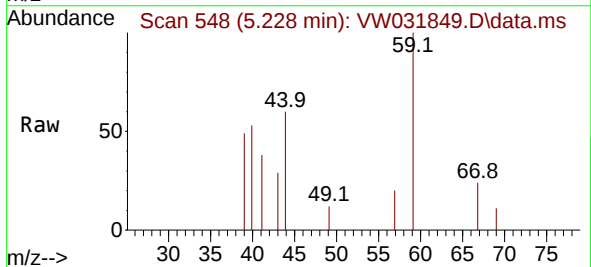
Instrument :
MSVOA_W
ClientSampleId :
500-3B CONCRETE CHIP

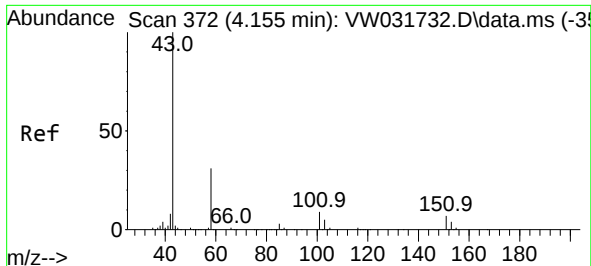
Tgt Ion:168 Resp: 193723
Ion Ratio Lower Upper
168 100
99 62.9 49.4 74.2



#11
Tert butyl alcohol
Concen: 6.810 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

Tgt Ion: 59 Resp: 1173
Ion Ratio Lower Upper
59 100
57 11.5 9.5 14.3

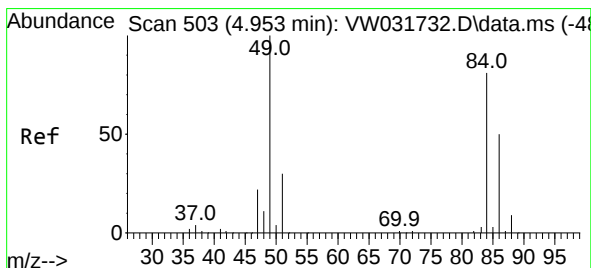
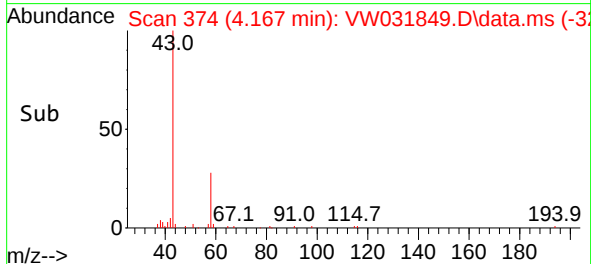
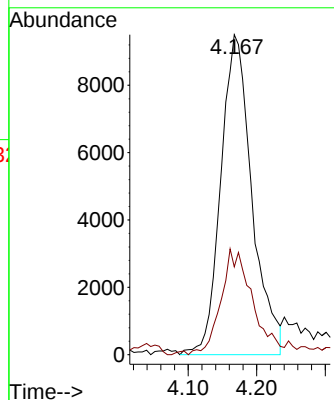
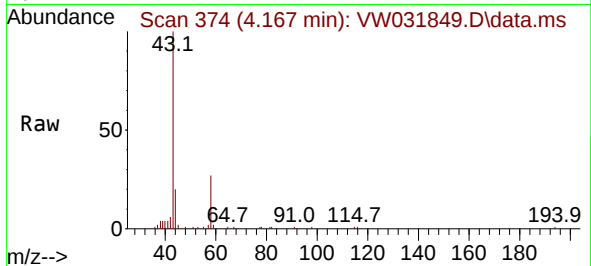




#16
Acetone
Concen: 43.740 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

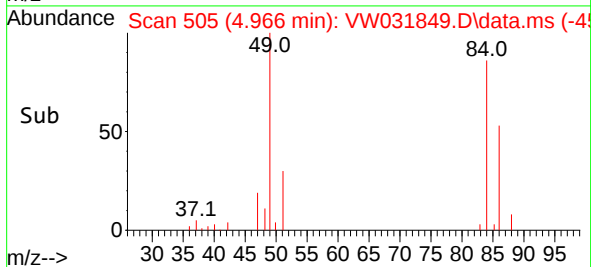
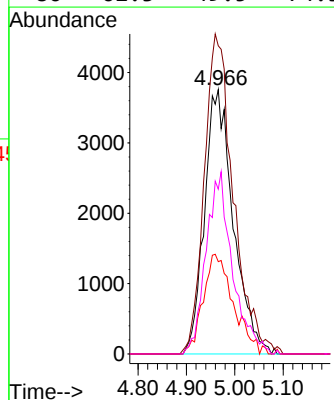
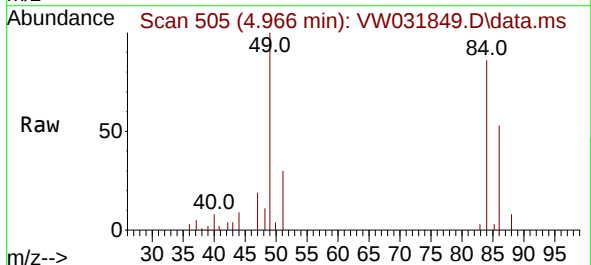
Instrument :
MSVOA_W
ClientSampleId :
500-3B CONCRETE CHIP

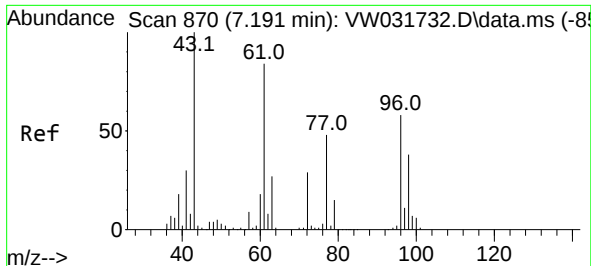
Tgt Ion: 43 Resp: 30057
Ion Ratio Lower Upper
43 100
58 26.5 24.8 37.2



#20
Methylene Chloride
Concen: 1.434 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.012 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

Tgt Ion: 84 Resp: 15579
Ion Ratio Lower Upper
84 100
49 116.6 98.2 147.4
51 34.9 29.8 44.8
86 62.3 49.5 74.3

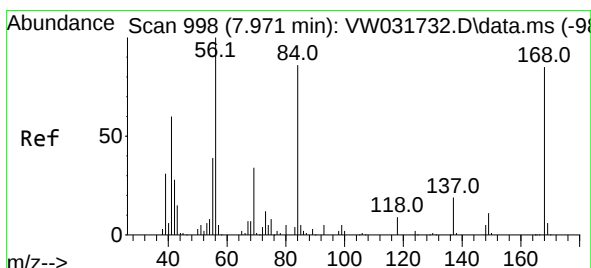
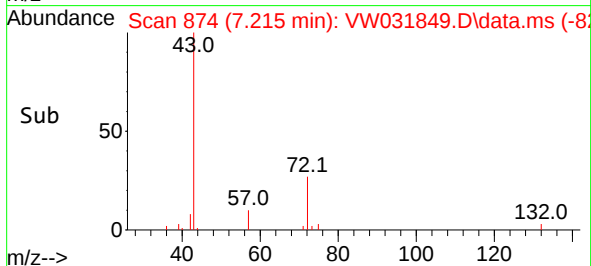
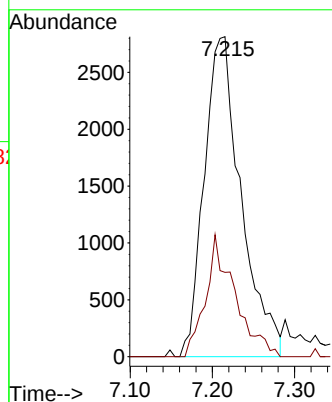
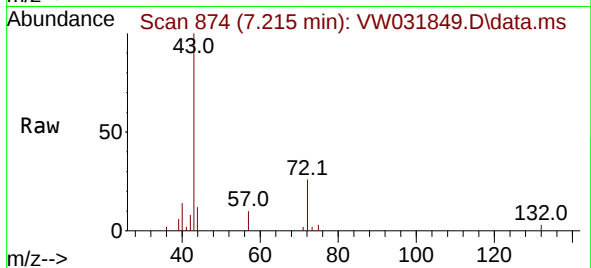




#25
2-Butanone
Concen: 9.832 ug/l
RT: 7.215 min Scan# 870
Delta R.T. 0.025 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

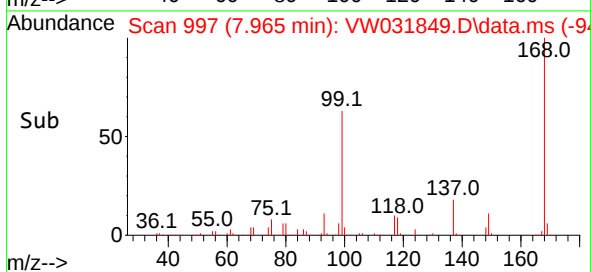
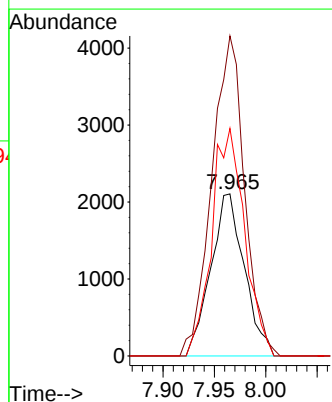
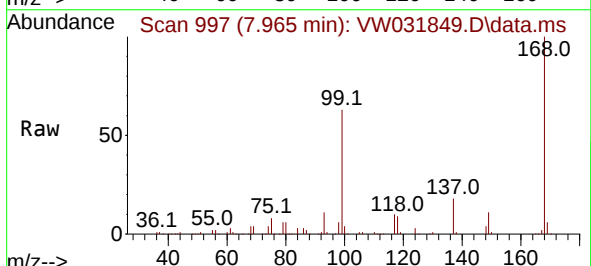
Instrument :
MSVOA_W
ClientSampleId :
500-3B CONCRETE CHIP

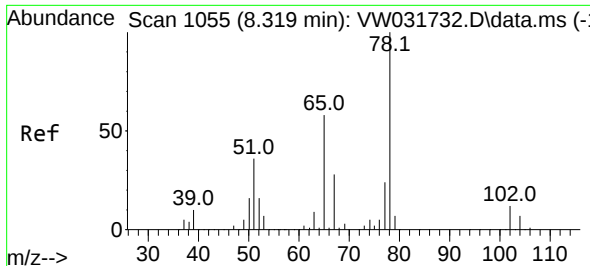
Tgt Ion: 43 Resp: 8790
Ion Ratio Lower Upper
43 100
72 26.4 23.0 34.6



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

Tgt Ion: 56 Resp: 4782
Ion Ratio Lower Upper
56 100
69 197.4 27.2 40.8#
84 140.4 68.5 102.7#

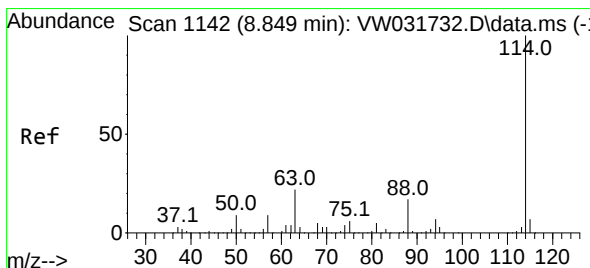
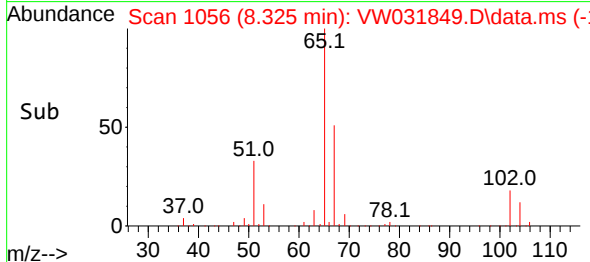
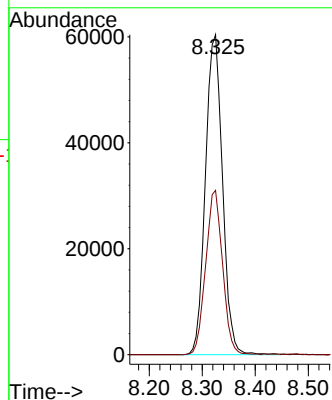
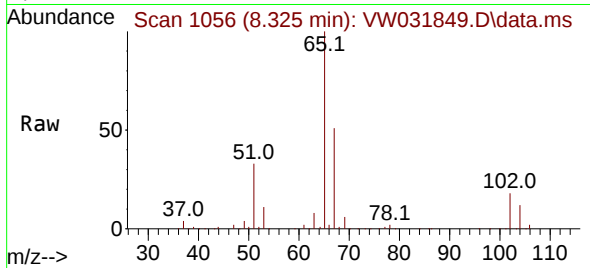




#33
 1,2-Dichloroethane-d4
 Concen: 48.560 ug/l
 RT: 8.325 min Scan# 1055
 Delta R.T. 0.006 min
 Lab File: VW031849.D
 Acq: 14 Jul 2025 14:36

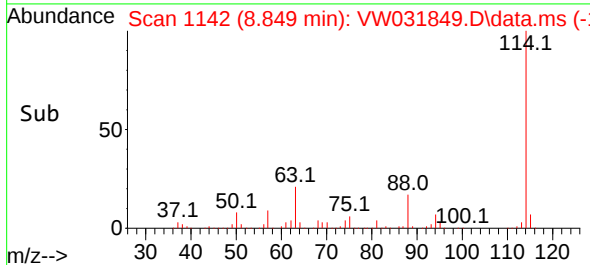
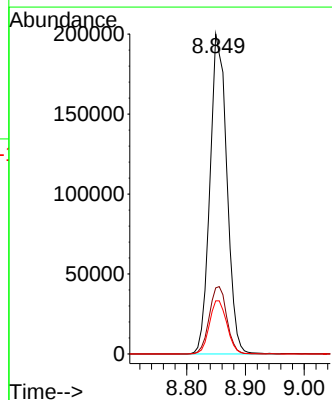
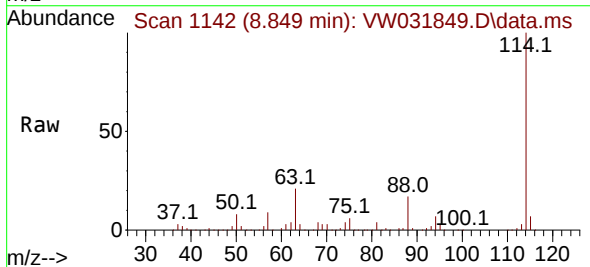
Instrument :
 MSVOA_W
 ClientSampleId :
 500-3B CONCRETE CHIP

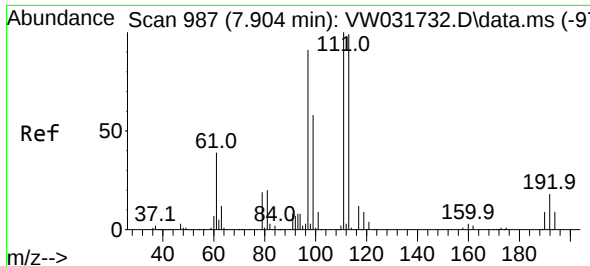
Tgt Ion: 65 Resp: 135005
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031849.D
 Acq: 14 Jul 2025 14:36

Tgt Ion: 114 Resp: 400699
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.6
 88 16.6 0.0 34.2

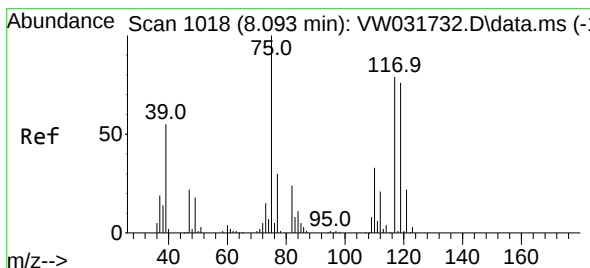
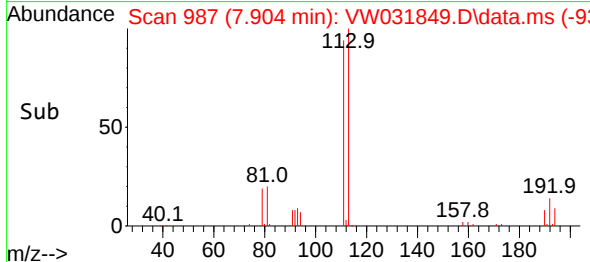
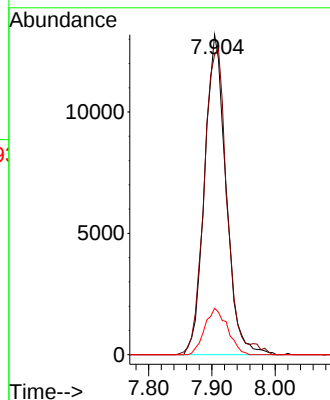
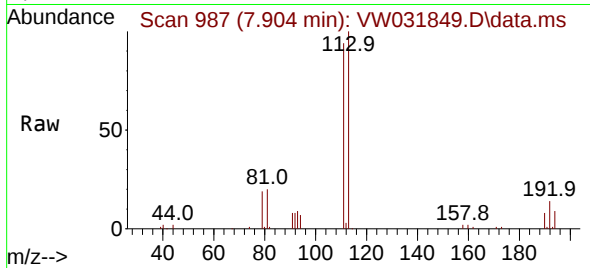




#35
 Dibromofluoromethane
 Concen: 11.908 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031849.D
 Acq: 14 Jul 2025 14:36

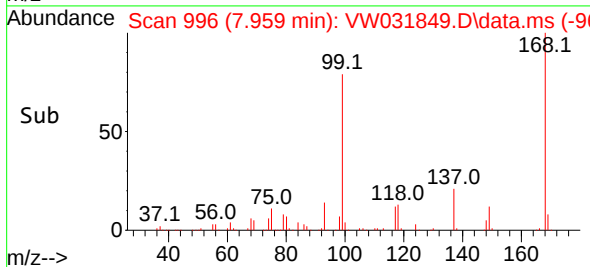
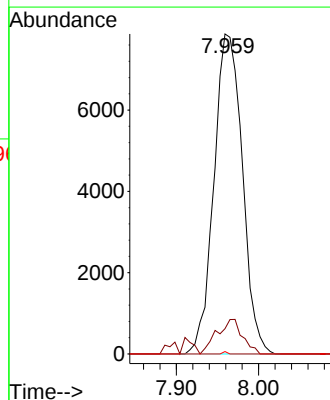
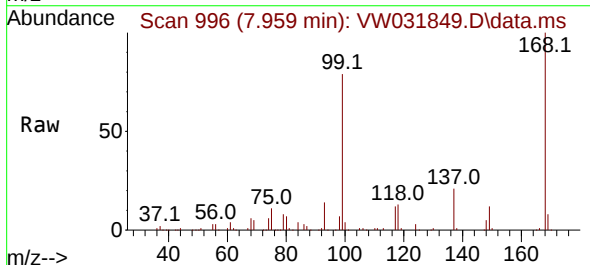
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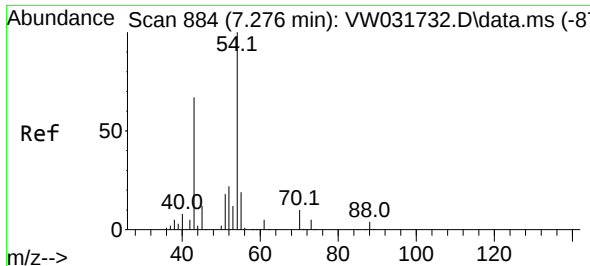
Tgt Ion:113	Resp:	31136	
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.1	123.1
192	15.4	13.8	20.6



#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031849.D
 Acq: 14 Jul 2025 14:36

Tgt Ion: 75	Resp:	18903	
Ion Ratio	Lower	Upper	
75 100			
110 9.7	16.8	50.4#	
77 0.0	25.0	37.6#	

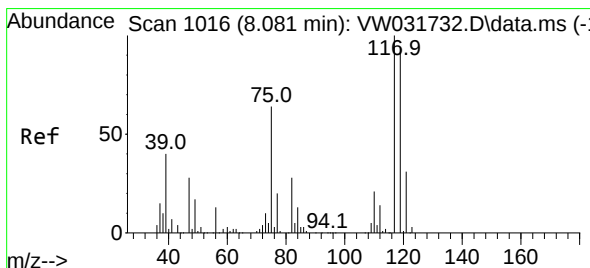
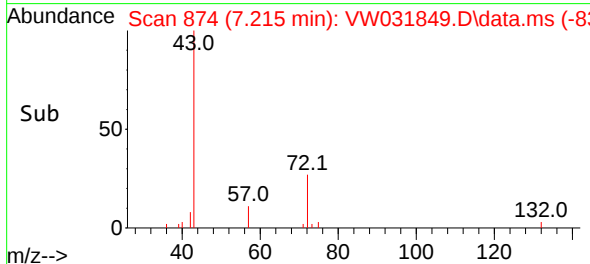
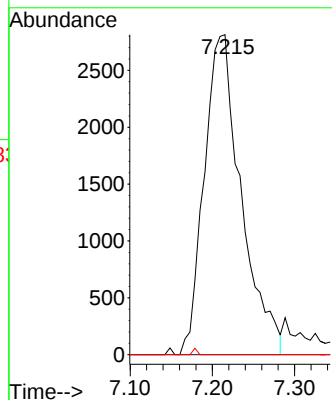
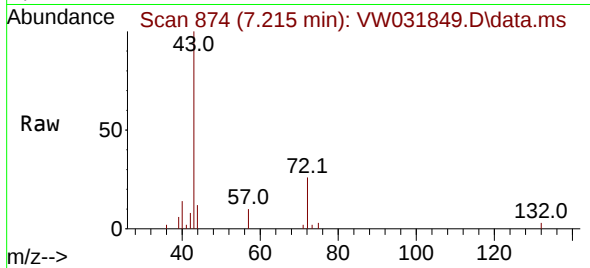




#37
Ethyl Acetate
Concen: 3.683 ug/l
RT: 7.215 min Scan# 81
Delta R.T. -0.061 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

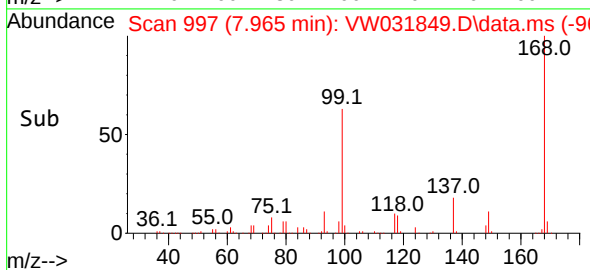
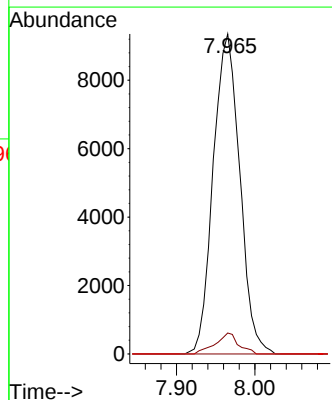
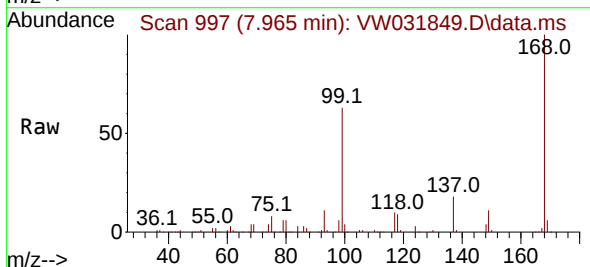
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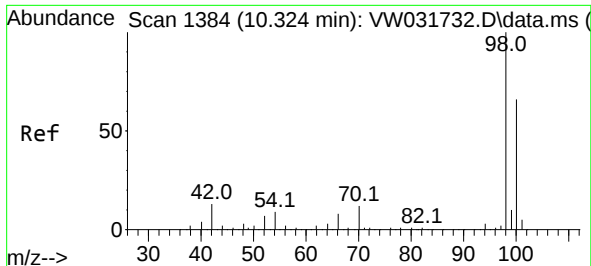
Tgt Ion: 43 Resp: 8790
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 5.715 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

Tgt Ion: 117 Resp: 22035
Ion Ratio Lower Upper
117 100
119 6.6 75.0 112.6#
121 0.0 24.6 37.0#

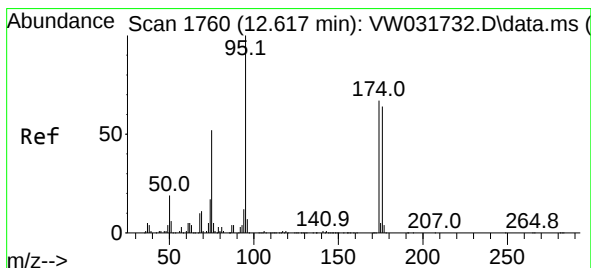
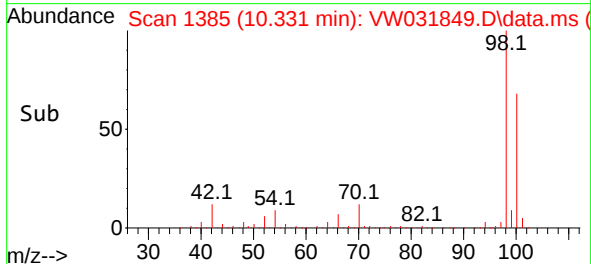
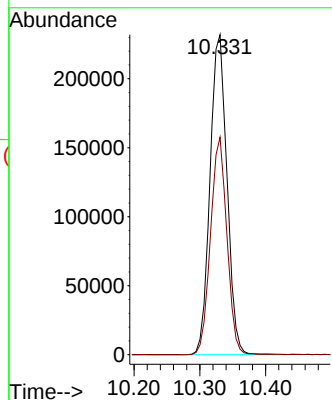
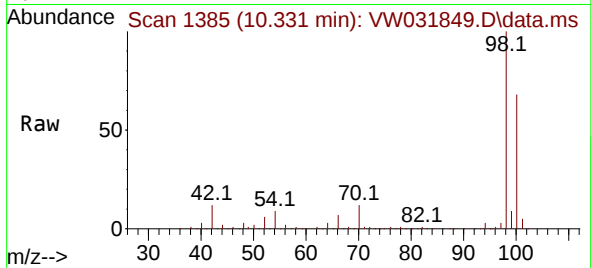




#50
Toluene-d8
Concen: 42.690 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

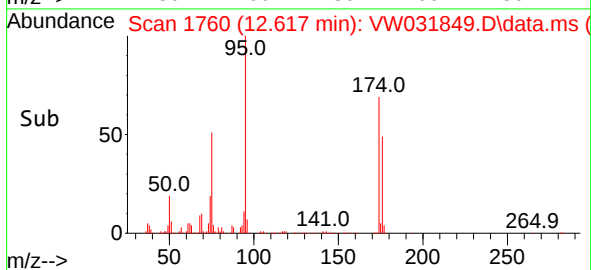
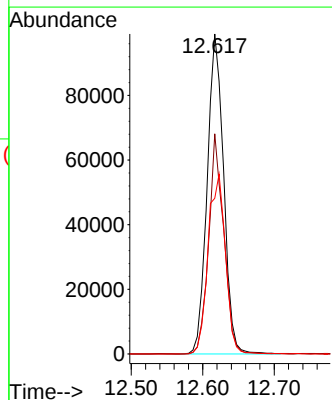
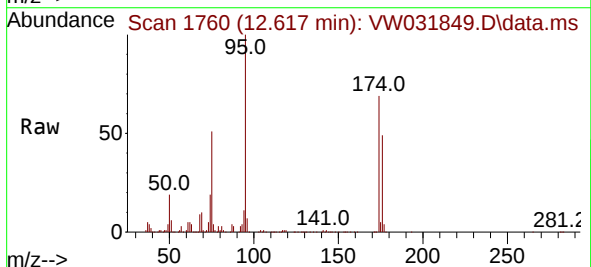
Instrument :
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500-3B CONCRETE CHIP

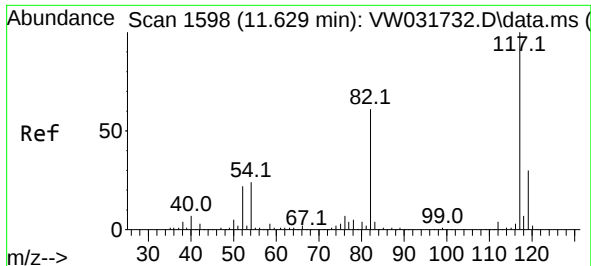
Tgt Ion: 98 Resp: 415392
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.217 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

Tgt Ion: 95 Resp: 158334
Ion Ratio Lower Upper
95 100
174 63.1 0.0 133.8
176 59.4 0.0 126.0

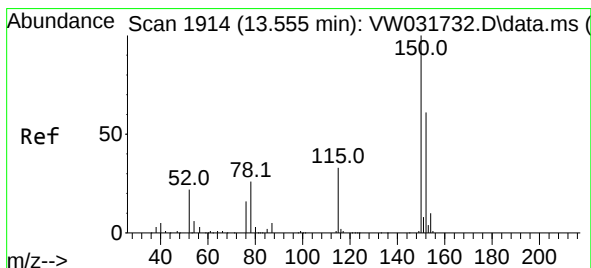
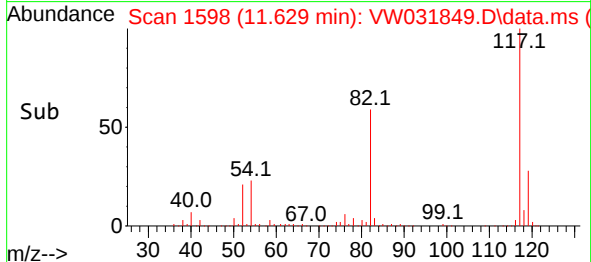
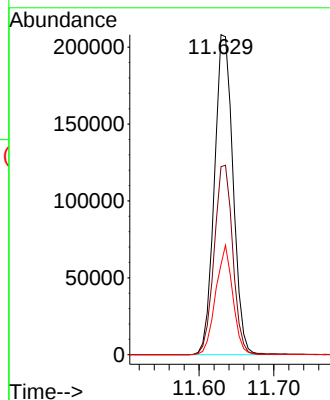
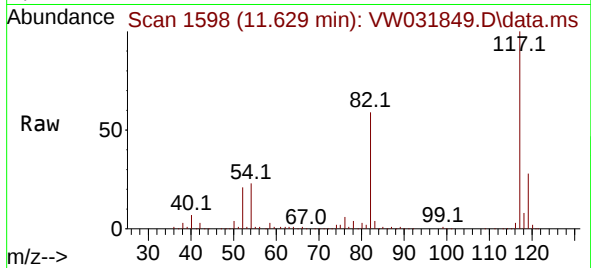




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

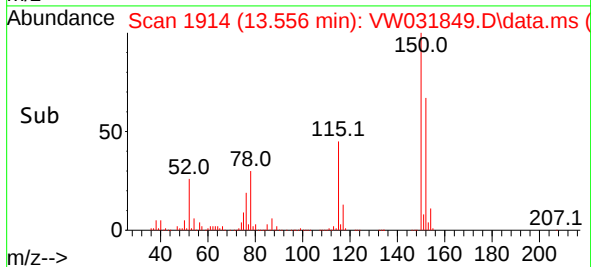
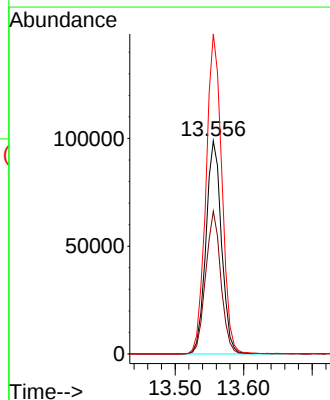
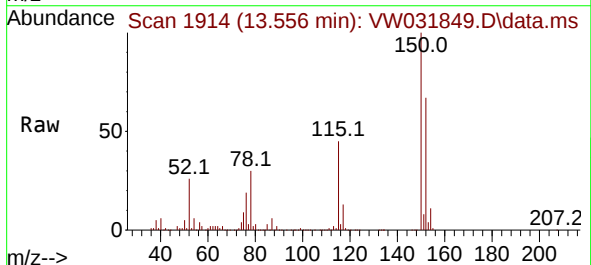
Instrument :
MSVOA_W
ClientSampleId :
500-3B CONCRETE CHIP

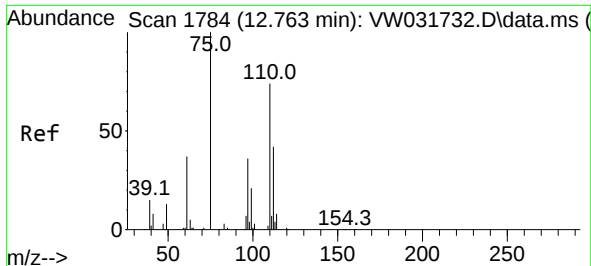
Tgt Ion:117 Resp: 360732
Ion Ratio Lower Upper
117 100
82 58.8 48.6 72.8
119 28.2 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

Tgt Ion:152 Resp: 156314
Ion Ratio Lower Upper
152 100
115 65.6 31.9 95.7
150 152.9 0.0 356.4

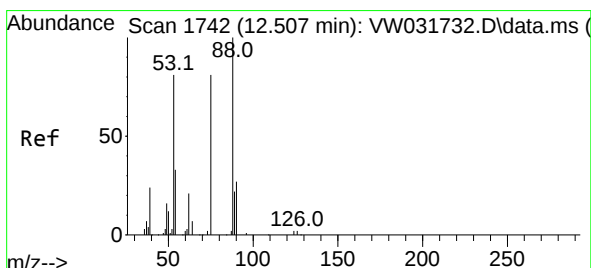
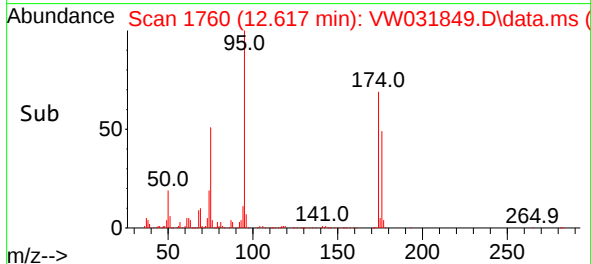
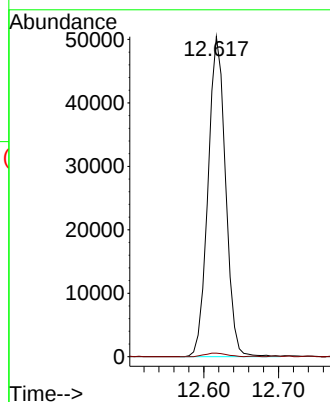
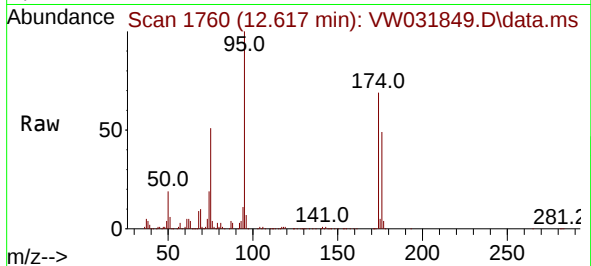




#76
1,2,3-Trichloropropane
Concen: 40.688 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

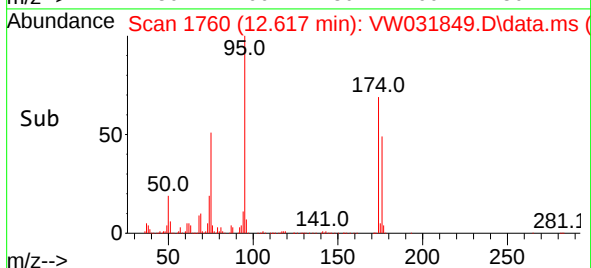
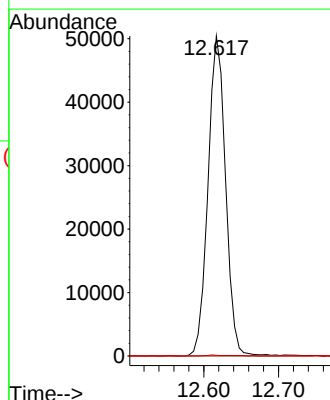
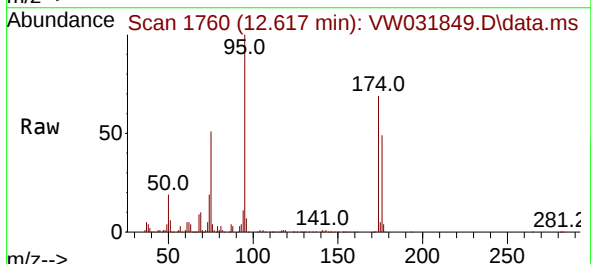
Instrument :
MSVOA_W
ClientSampleId :
500-3B CONCRETE CHIP

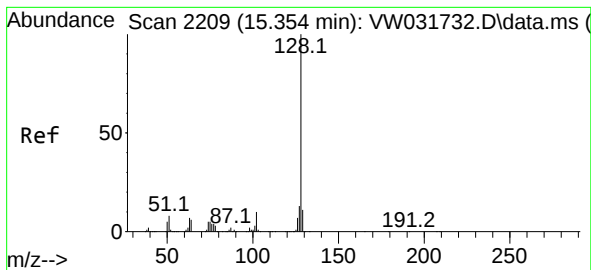
Tgt Ion: 75 Resp: 82191
Ion Ratio Lower Upper
75 100
77 1.4 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.770 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031849.D
Acq: 14 Jul 2025 14:36

Tgt Ion: 75 Resp: 82191
Ion Ratio Lower Upper
75 100
53 0.2 83.5 125.3#
89 0.0 38.3 57.5#





#95

Naphthalene

Concen: 2.775 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW031849.D

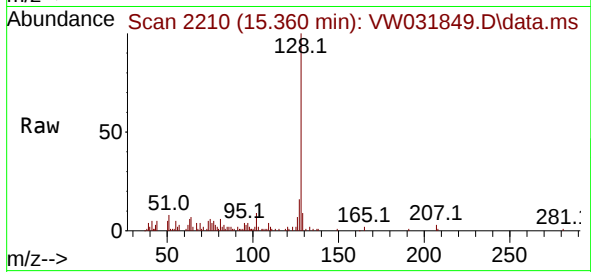
Acq: 14 Jul 2025 14:36

Instrument :

MSVOA_W

ClientSampleId :

500-3B CONCRETE CHIP



Tgt Ion:128 Resp: 20393

Ion Ratio Lower Upper

128 100

127 14.7 10.8 16.2

129 12.4 8.7 13.1

