

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031901.D
 Acq On : 23 Jul 2025 10:19
 Operator : SY/MD
 Sample : VW0723SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBL01

Quant Time: Jul 24 02:47:32 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)

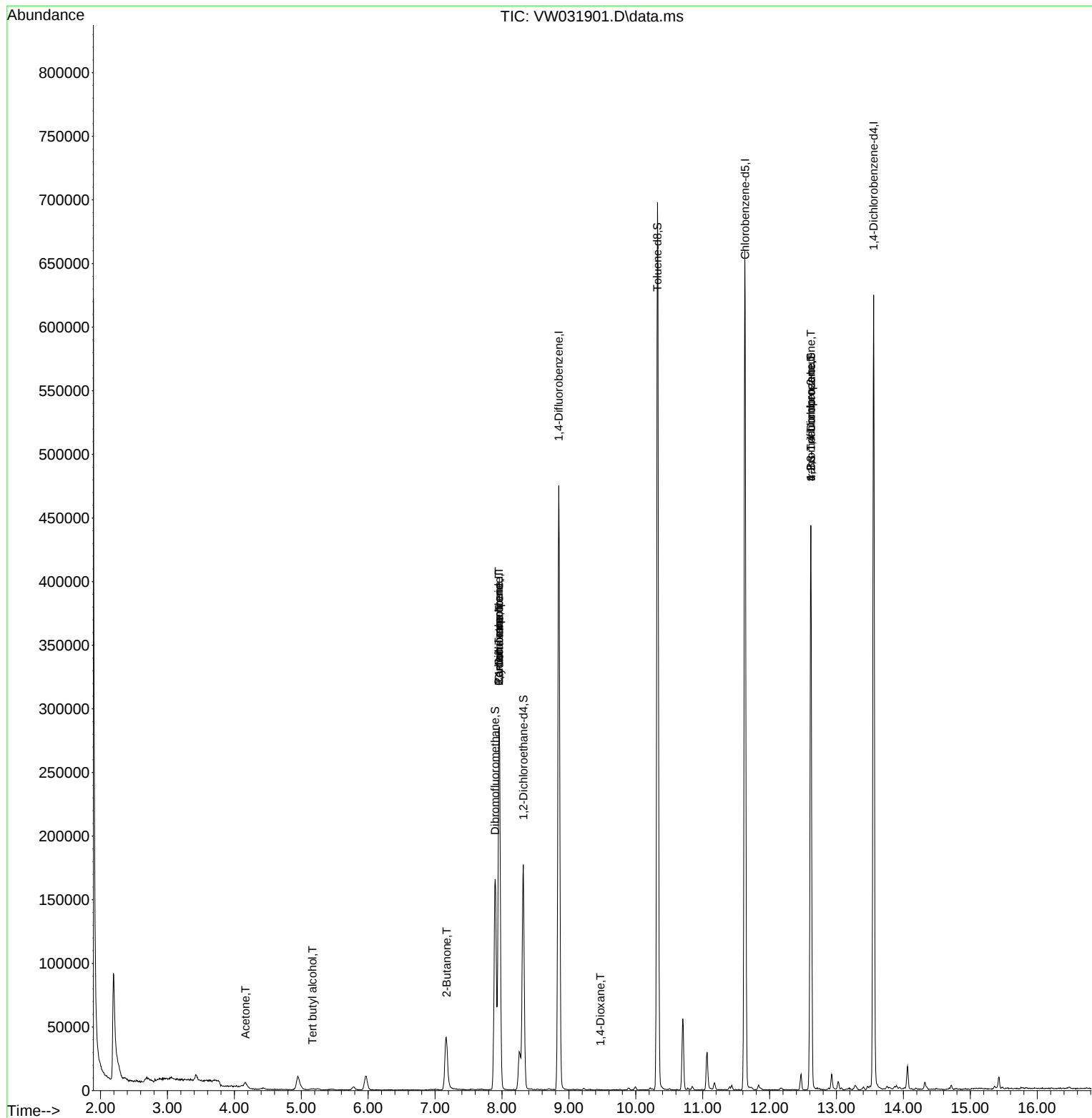
Internal Standards						
1) Pentafluorobenzene	7.953	168	207998	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	395789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	346442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	151167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	141037	44.824	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	89.640%
35) Dibromofluoromethane	7.898	113	125493	46.661	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.320%
50) Toluene-d8	10.324	98	468984	46.075	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.160%
62) 4-Bromofluorobenzene	12.617	95	154463	39.521	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	79.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.167	59	852	4.607	ug/l #	72
13) Acrolein	3.923	56	137	Below Cal		84
16) Acetone	4.167	43	3045	4.078	ug/l #	80
20) Methylene Chloride	4.953	84	8375	Below Cal		94
25) 2-Butanone	7.172	43	2575	2.521	ug/l #	75
31) Cyclohexane	7.959	56	5270	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	19553	4.734	ug/l #	51
38) Carbon Tetrachloride	7.953	117	23409	5.906	ug/l #	17
49) 1,4-Dioxane	9.471	88	22	1.208	ug/l #	23
76) 1,2,3-Trichloropropane	12.617	75	80015	38.338	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	80015	88.512	ug/l #	8

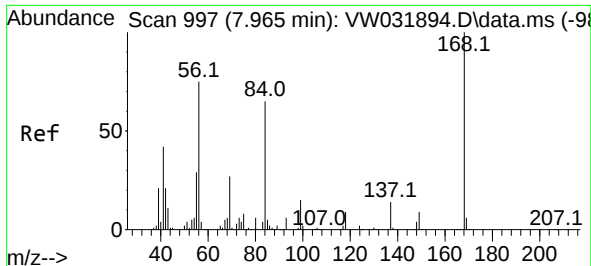
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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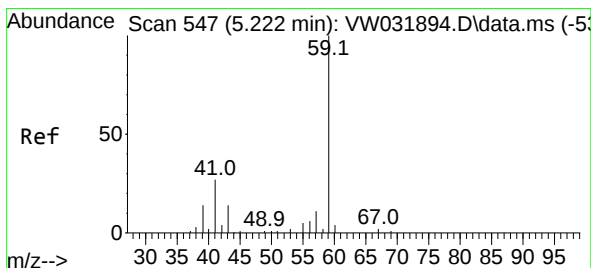
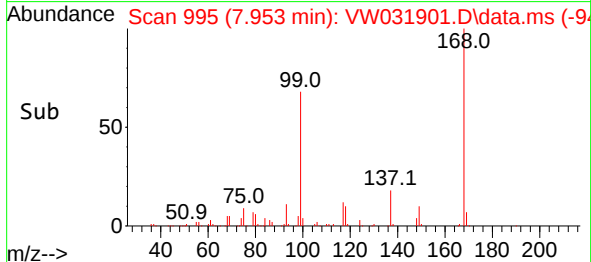
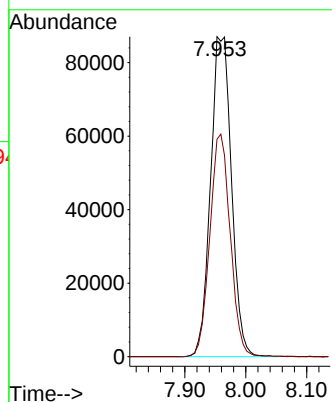
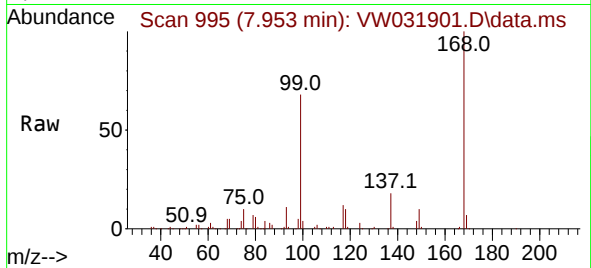




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.012 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

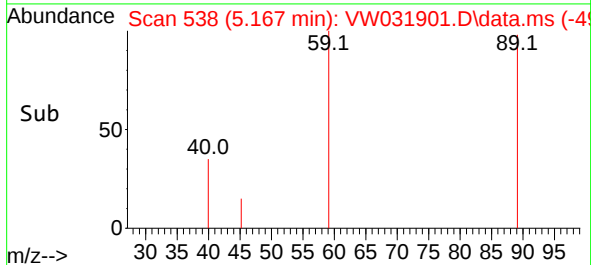
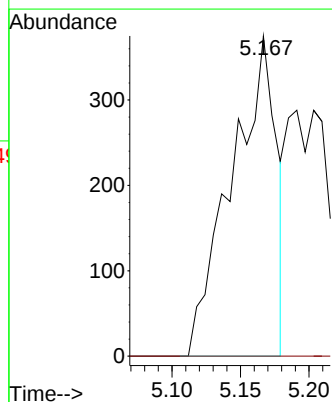
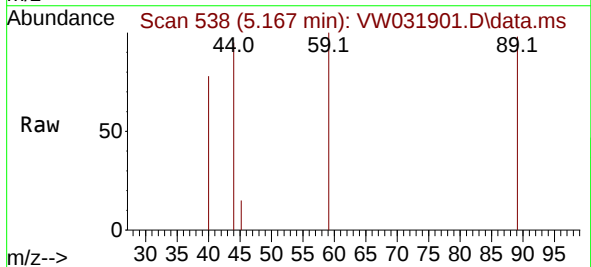
Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

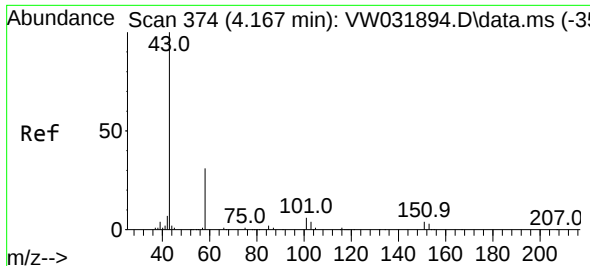
Tgt Ion:168 Resp: 207998
Ion Ratio Lower Upper
168 100
99 67.9 48.2 72.2



#11
Tert butyl alcohol
Concen: 4.607 ug/l
RT: 5.167 min Scan# 538
Delta R.T. -0.055 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

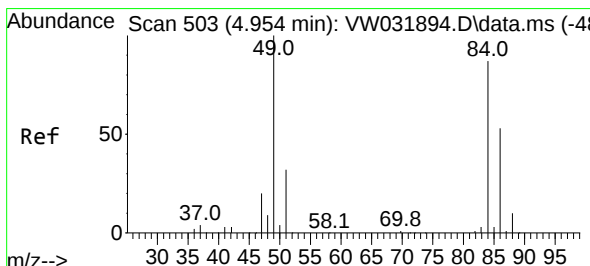
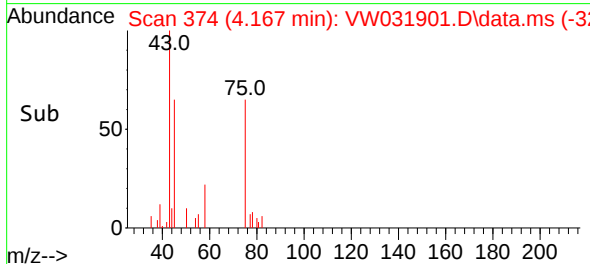
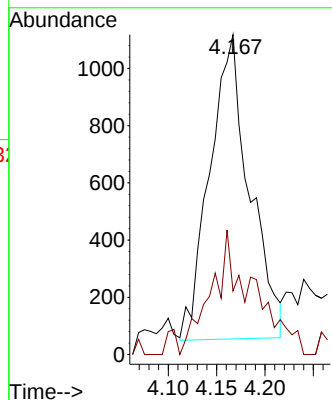
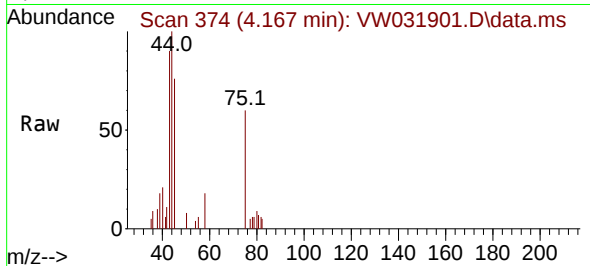




#16
Acetone
Concen: 4.078 ug/l
RT: 4.167 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

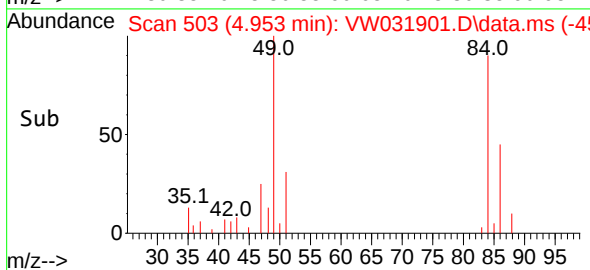
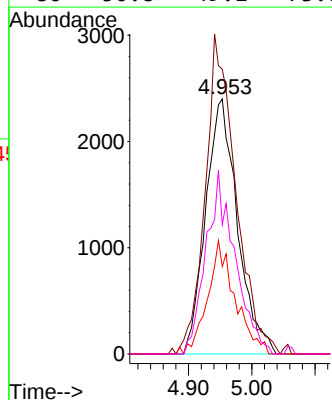
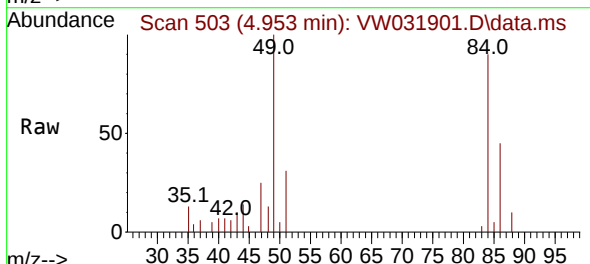
Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

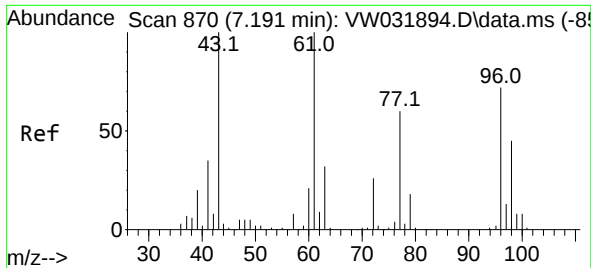
Tgt Ion: 43 Resp: 3045
Ion Ratio Lower Upper
43 100
58 21.0 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.953 min Scan# 503
Delta R.T. -0.001 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 84 Resp: 8375
Ion Ratio Lower Upper
84 100
49 111.7 91.9 137.9
51 34.3 29.0 43.6
86 50.8 49.1 73.7

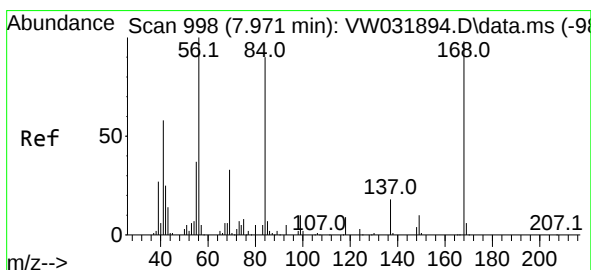
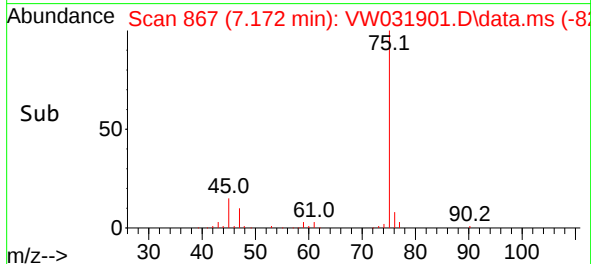
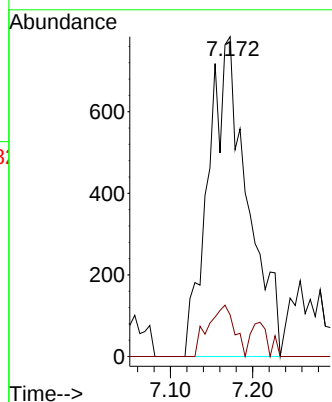
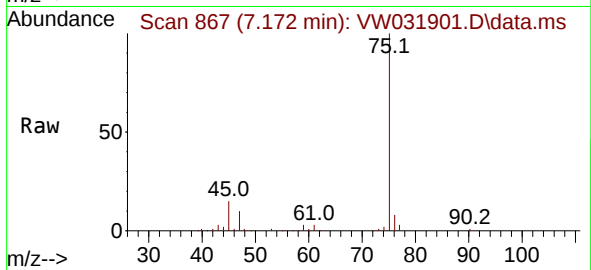




#25
2-Butanone
Concen: 2.521 ug/l
RT: 7.172 min Scan# 80
Delta R.T. -0.019 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

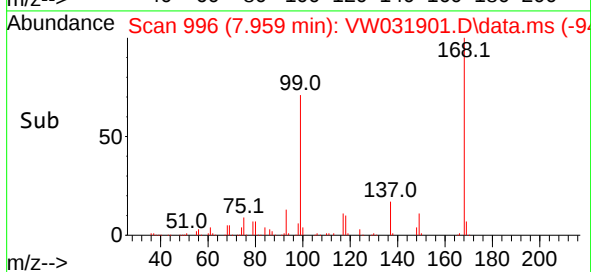
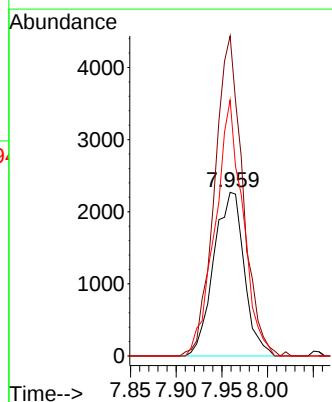
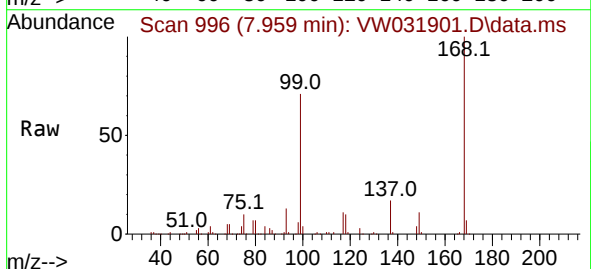
Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

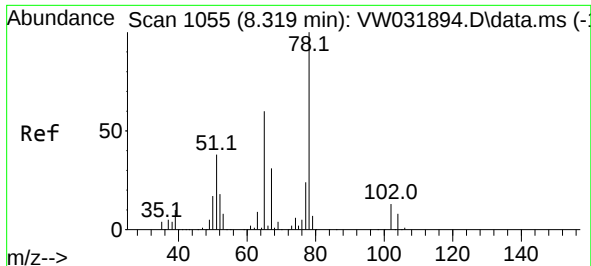
Tgt Ion: 43 Resp: 2575
Ion Ratio Lower Upper
43 100
72 13.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 56 Resp: 5270
Ion Ratio Lower Upper
56 100
69 195.5 26.7 40.1#
84 156.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 44.824 ug/l

RT: 8.319 min Scan# 110

Delta R.T. -0.000 min

Lab File: VW031901.D

Acq: 23 Jul 2025 10:19

Instrument :

MSVOA_W

ClientSampleId :

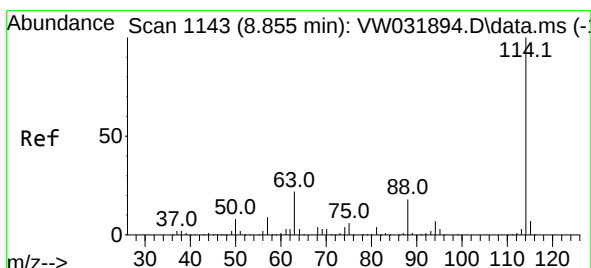
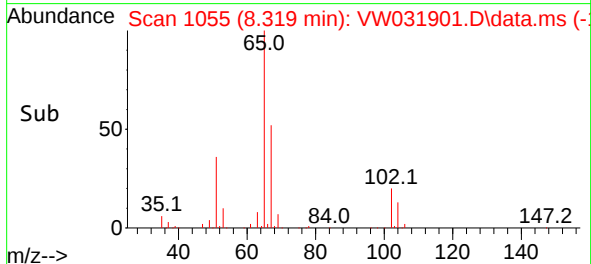
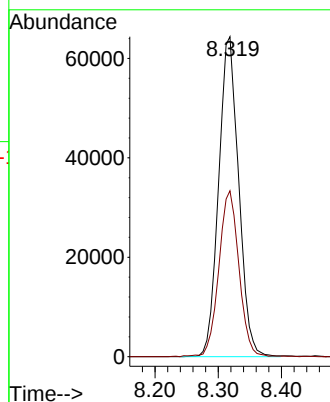
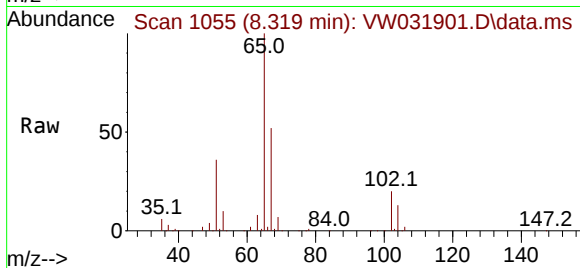
VW0723SBL01

Tgt Ion: 65 Resp: 141037

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: VW031901.D

Acq: 23 Jul 2025 10:19

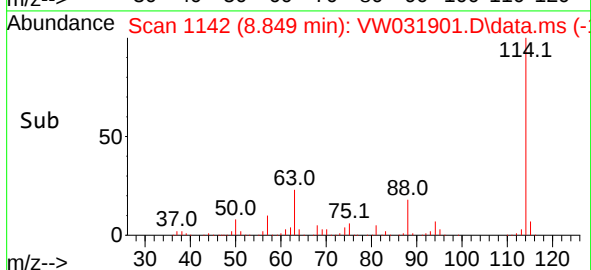
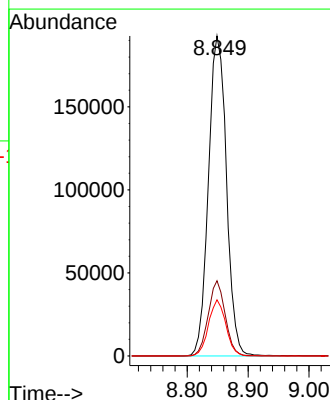
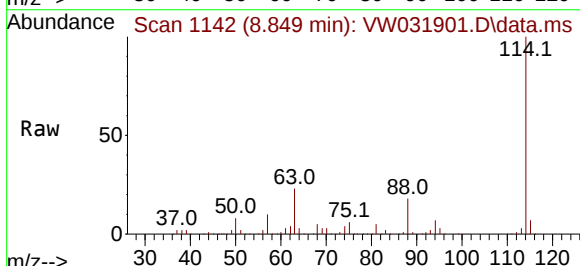
Tgt Ion: 114 Resp: 395789

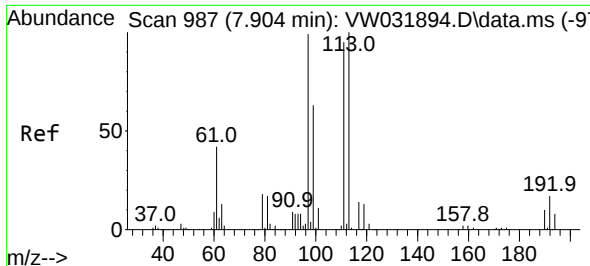
Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.2

88 17.6 0.0 35.6

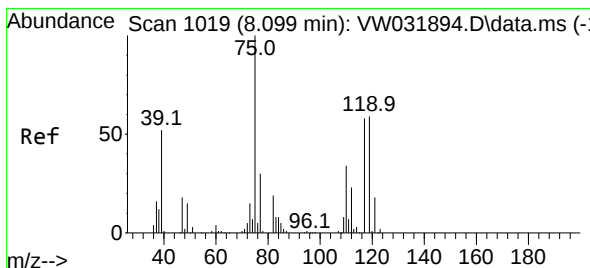
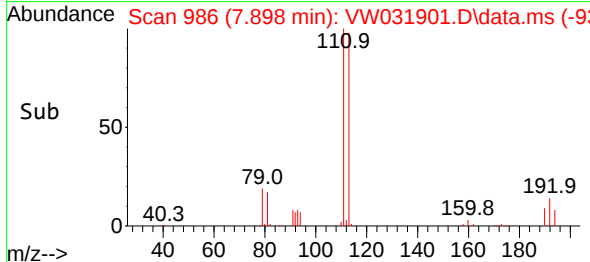
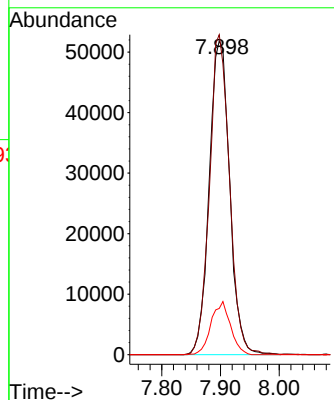
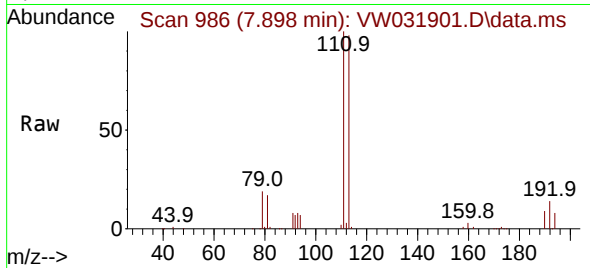




#35
 Dibromofluoromethane
 Concen: 46.661 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW031901.D
 Acq: 23 Jul 2025 10:19

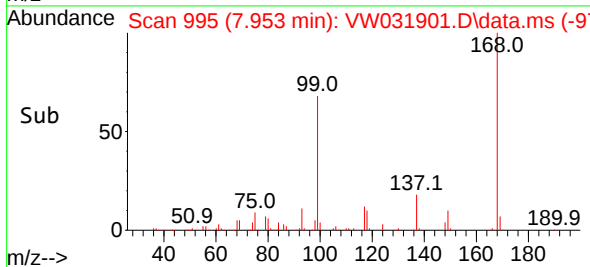
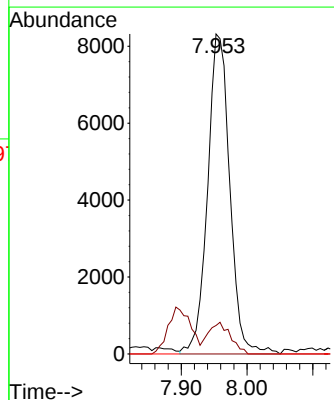
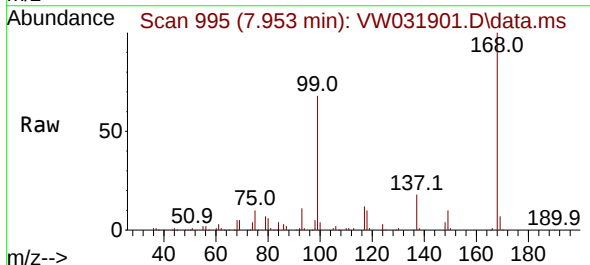
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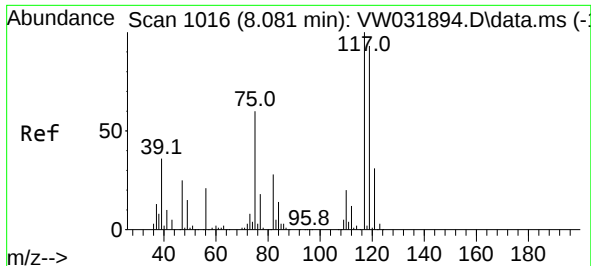
Tgt Ion:113	Resp:	125493	
Ion	Ratio	Lower	Upper
113	100		
111	99.7	79.9	119.9
192	16.1	12.6	19.0



#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.147 min
 Lab File: VW031901.D
 Acq: 23 Jul 2025 10:19

Tgt Ion: 75	Resp:	19553	
Ion Ratio	Lower	Upper	
75 100			
110 10.0	17.0	50.9#	
77 0.0	25.1	37.7#	

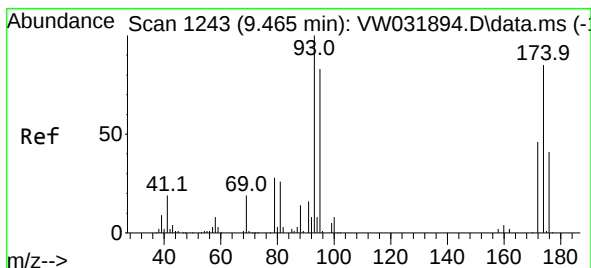
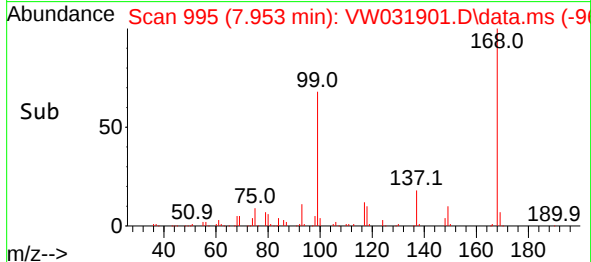
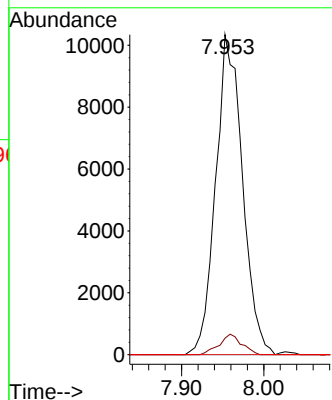
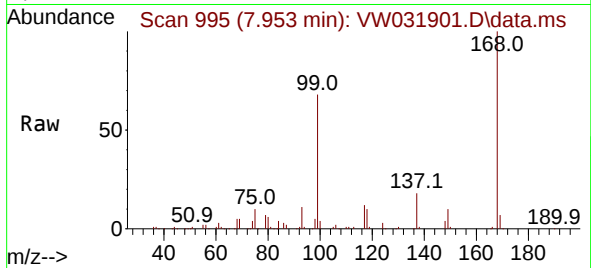




#38
Carbon Tetrachloride
Concen: 5.906 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.128 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

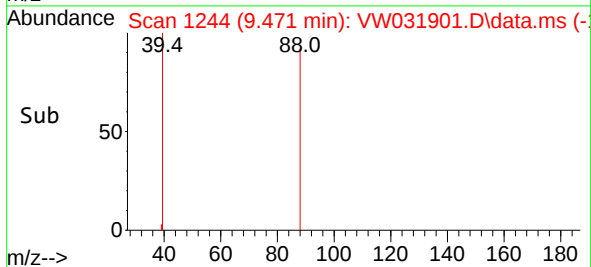
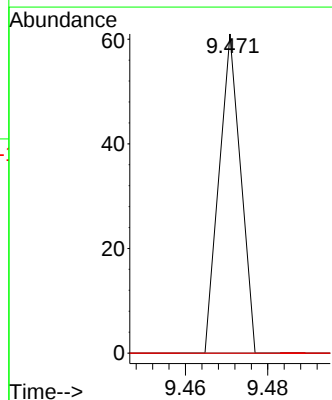
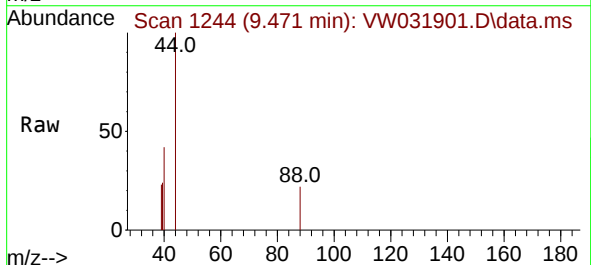
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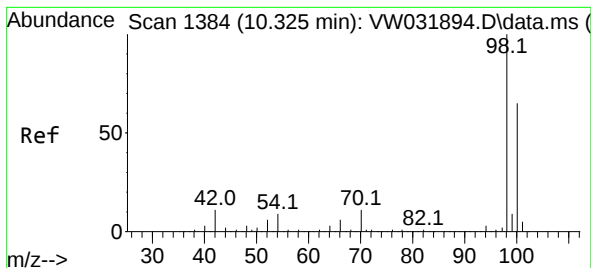
Tgt Ion:117 Resp: 23409
Ion Ratio Lower Upper
117 100
119 5.1 74.3 111.5#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.208 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.006 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.4#
58 0.0 58.2 87.2#

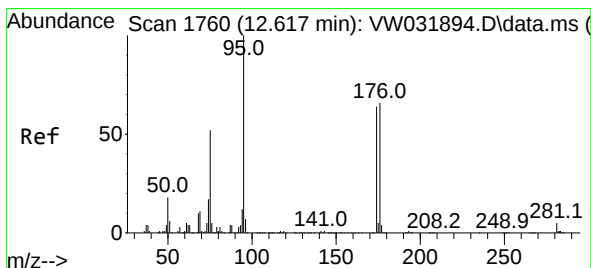
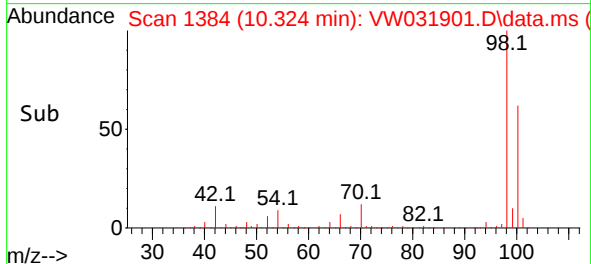
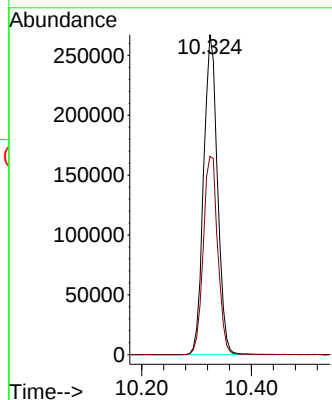
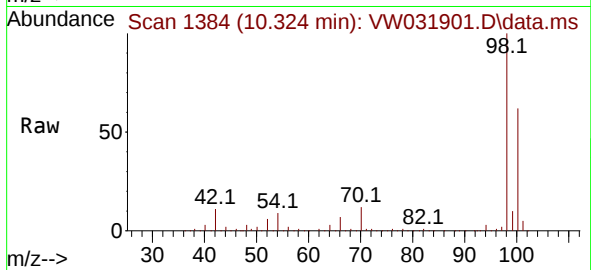




#50
Toluene-d8
Concen: 46.075 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

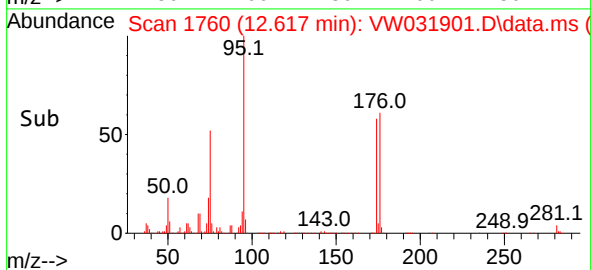
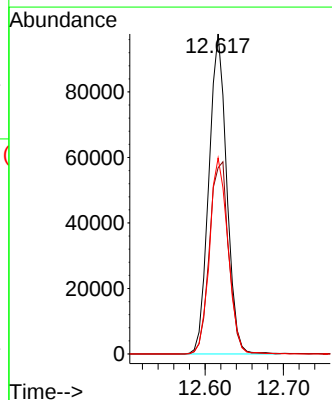
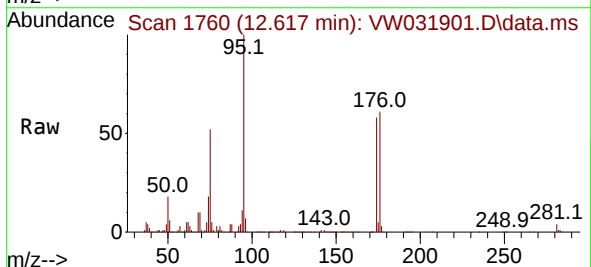
Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

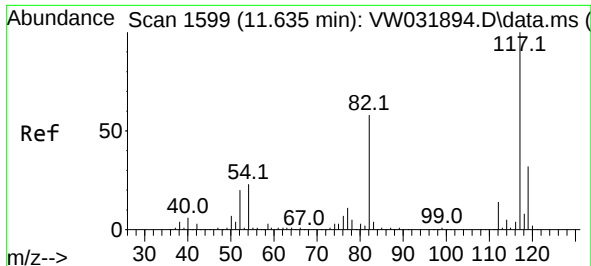
Tgt Ion: 98 Resp: 468984
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 39.521 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 95 Resp: 154463
Ion Ratio Lower Upper
95 100
174 64.7 0.0 129.8
176 63.3 0.0 130.4

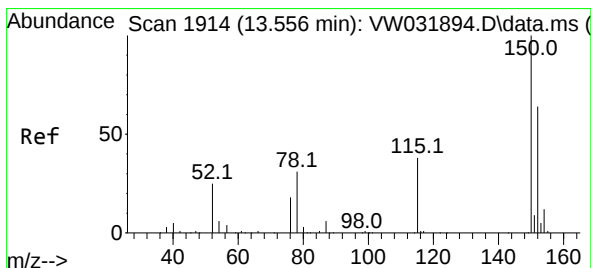
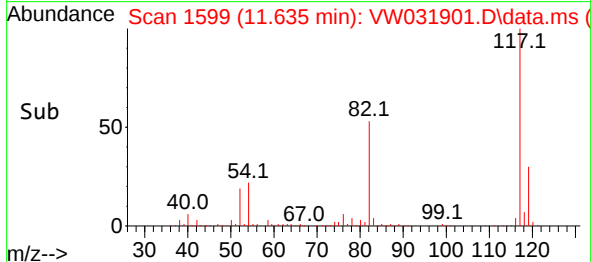
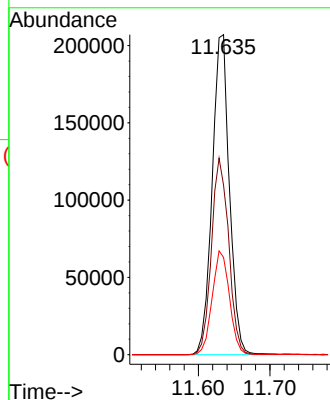
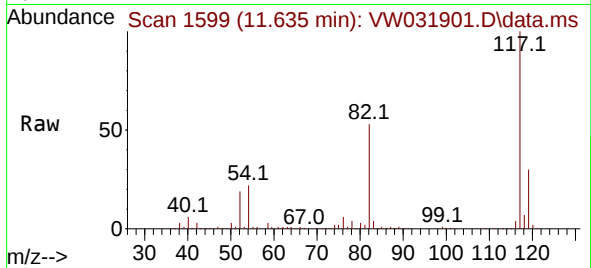




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

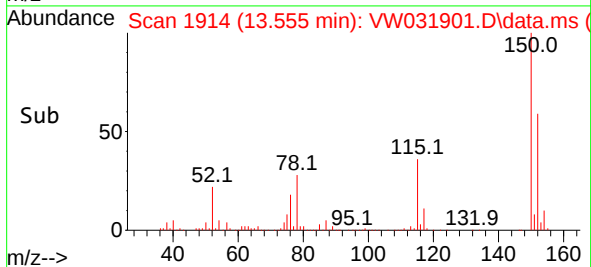
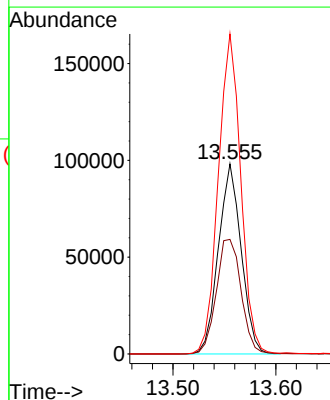
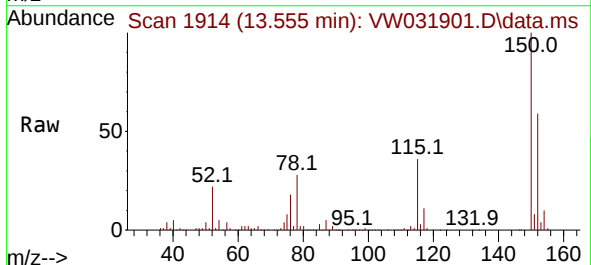
Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

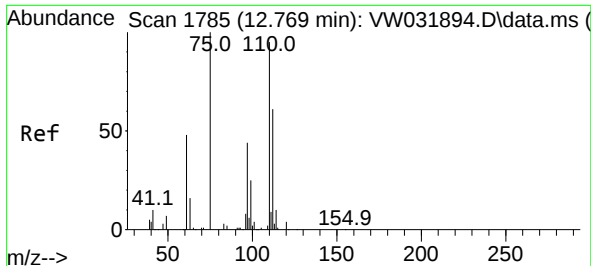
Tgt Ion:117 Resp: 346442
Ion Ratio Lower Upper
117 100
82 52.9 46.5 69.7
119 30.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion:152 Resp: 151167
Ion Ratio Lower Upper
152 100
115 65.7 33.4 100.1
150 166.2 0.0 352.2

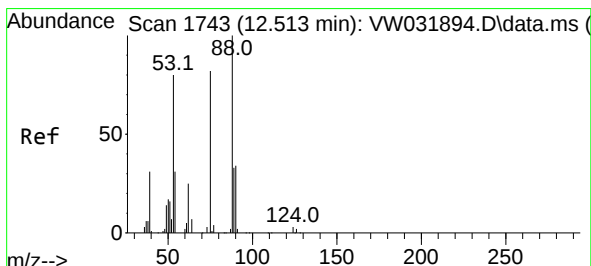
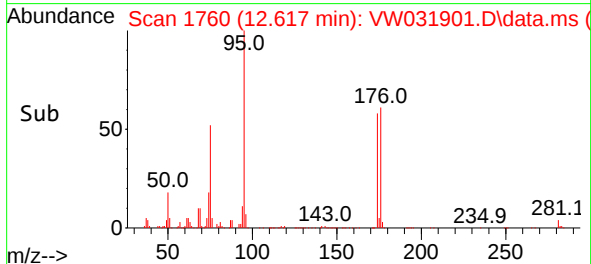
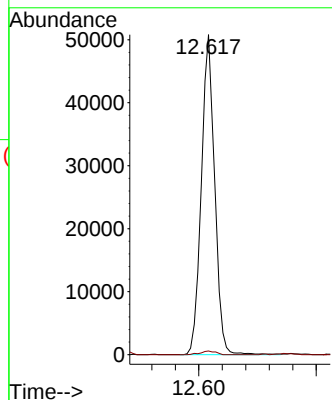
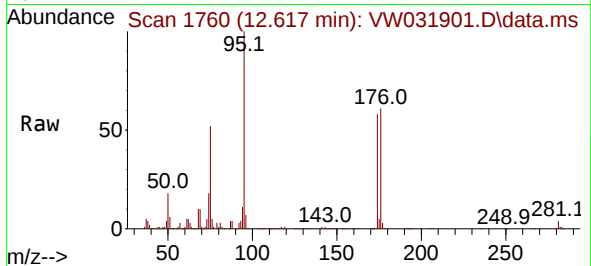




#76
1,2,3-Trichloropropane
Concen: 38.338 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.153 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

Tgt Ion: 75 Resp: 80015
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.512 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 75 Resp: 80015
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 39.0 58.6#

