

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032340.D
 Acq On : 03 Oct 2025 09:40
 Operator : SY/MD
 Sample : VW1003SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 04:57:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

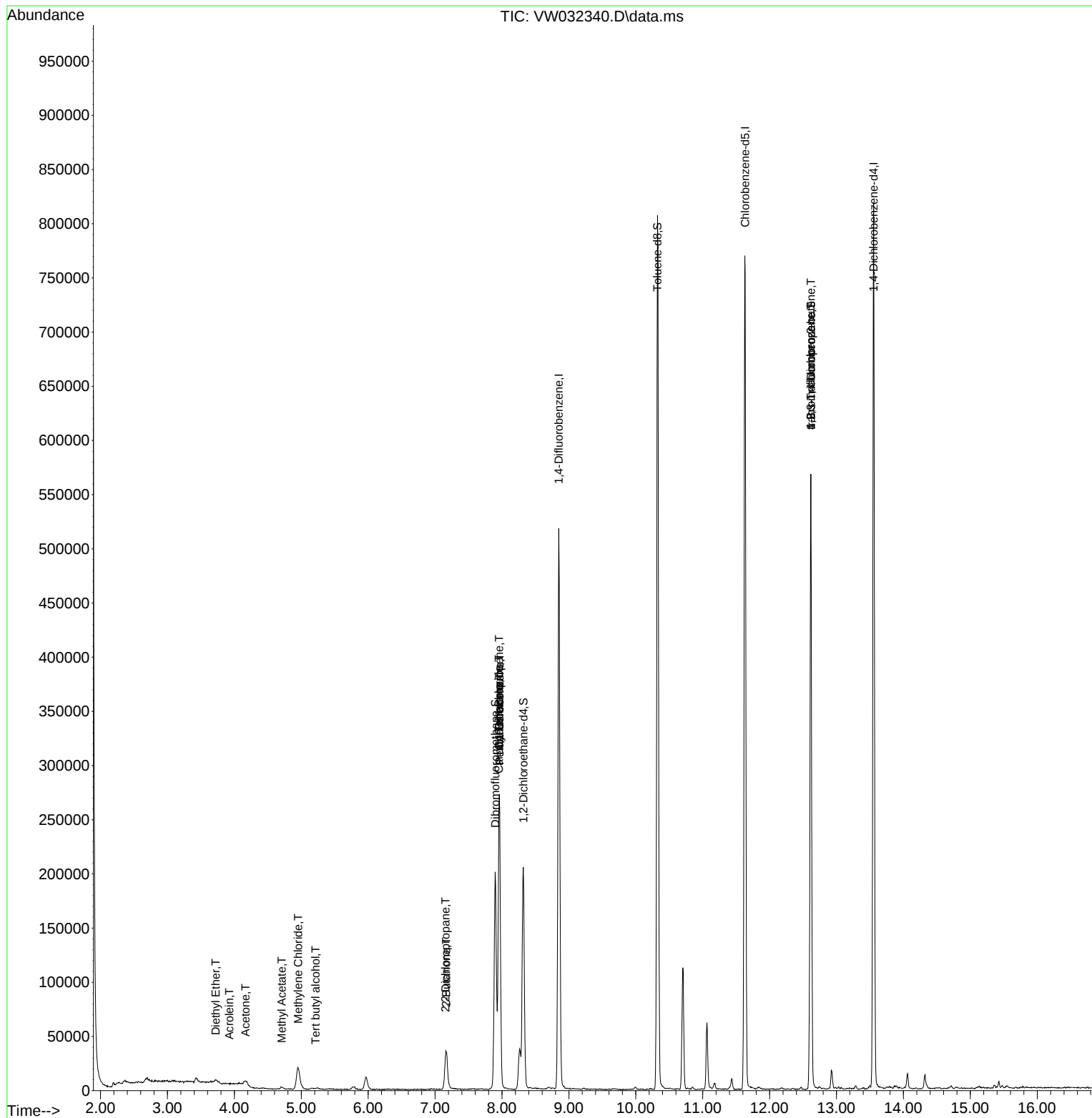
Internal Standards						
1) Pentafluorobenzene	7.965	168	187187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	423770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	435697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	203854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	170547	62.466	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 124.940%		
35) Dibromofluoromethane	7.898	113	146507	53.384	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 106.760%		
50) Toluene-d8	10.325	98	542522	53.562	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 107.120%		
62) 4-Bromofluorobenzene	12.617	95	194781	50.878	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.760%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.722	74	1781	1.269	ug/l	97
11) Tert butyl alcohol	5.216	59	428	2.071	ug/l #	48
13) Acrolein	3.923	56	389	1.160	ug/l	91
16) Acetone	4.167	43	5711	7.554	ug/l	94
18) Methyl Acetate	4.710	43	3385	1.563	ug/l	95
20) Methylene Chloride	4.954	84	17470	1.830	ug/l	96
25) 2-Butanone	7.167	43	2364	2.296	ug/l #	85
26) 2,2-Dichloropropane	7.154	77	2532	1.099	ug/l #	52
31) Cyclohexane	7.959	56	5174	1.346	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18066	4.664	ug/l #	50
38) Carbon Tetrachloride	7.953	117	22368	6.137	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	99191	36.975	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	99191	93.669	ug/l #	5

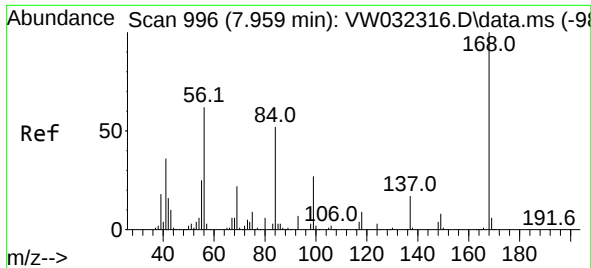
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 04 04:57:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

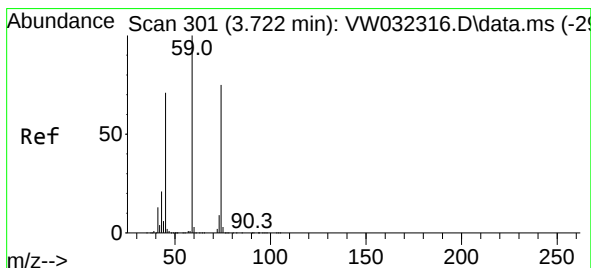
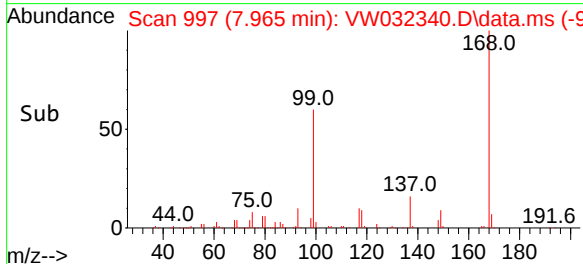
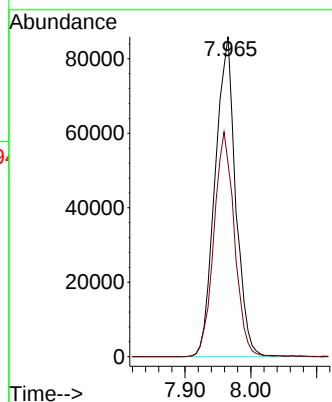
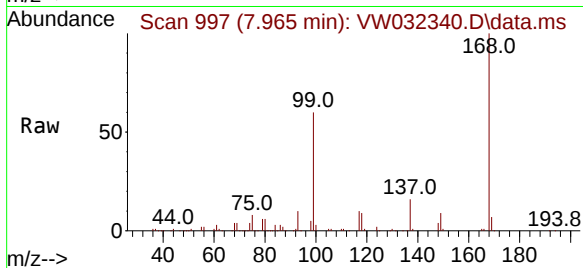




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

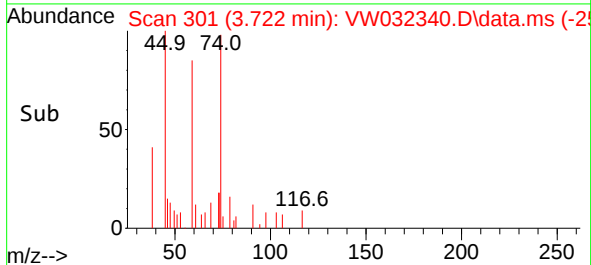
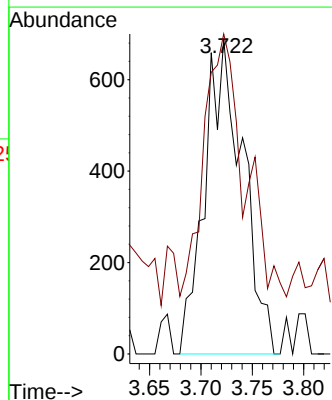
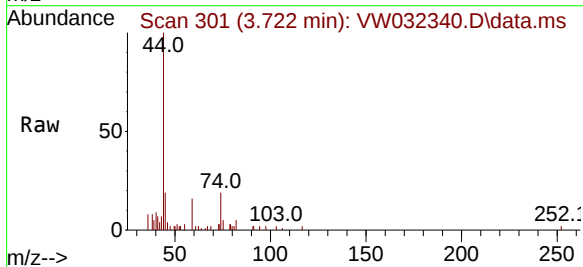
Instrument :
MSVOA_W
ClientSampleId :

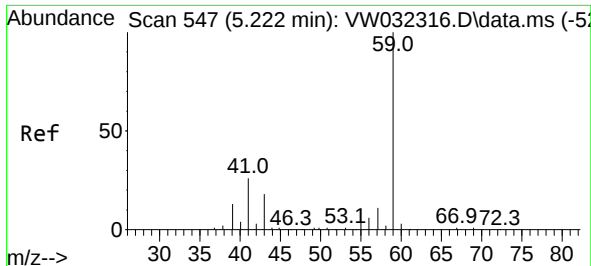
Tgt Ion:168 Resp: 187187
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#8
Diethyl Ether
Concen: 1.269 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

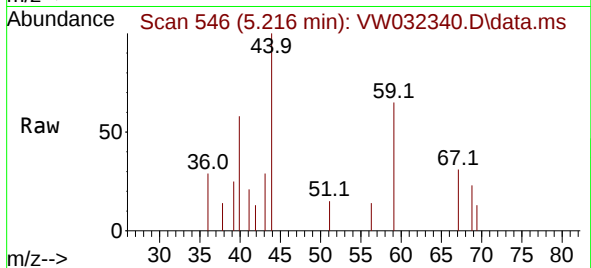
Tgt Ion: 74 Resp: 1781
Ion Ratio Lower Upper
74 100
45 88.8 43.1 129.4



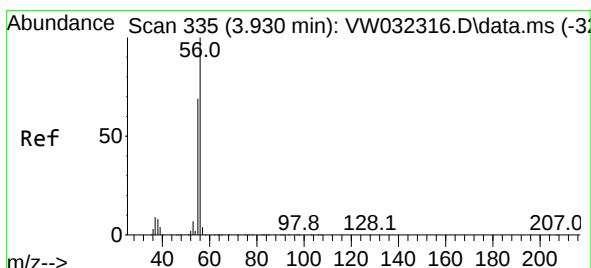
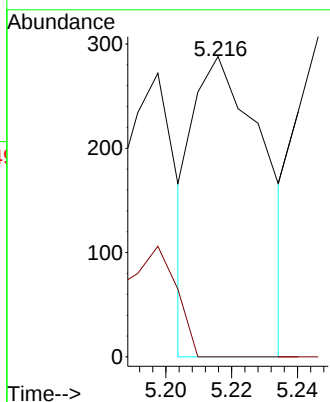
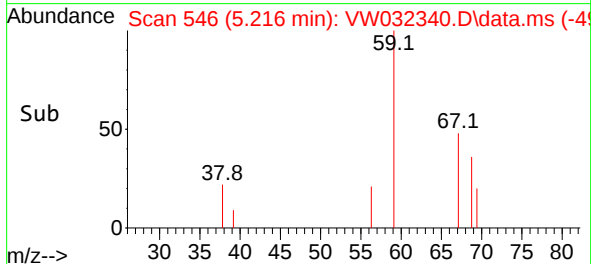


#11
Tert butyl alcohol
Concen: 2.071 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

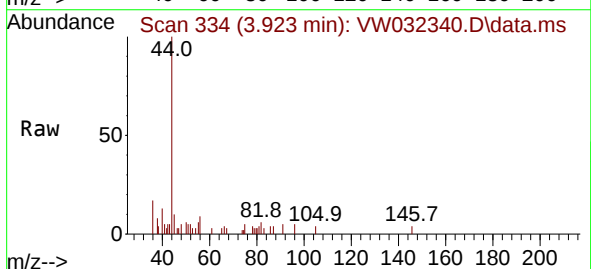
Instrument :
MSVOA_W
ClientSampleId :



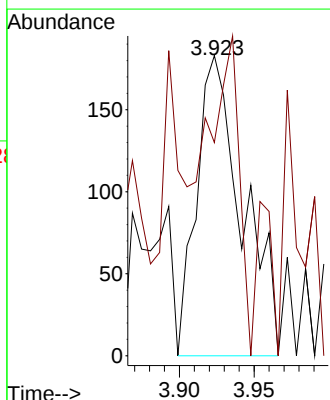
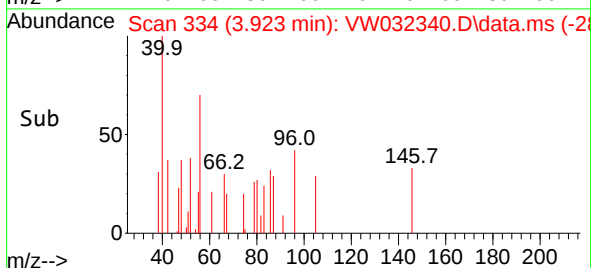
Tgt Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 32.5 9.8 14.6#

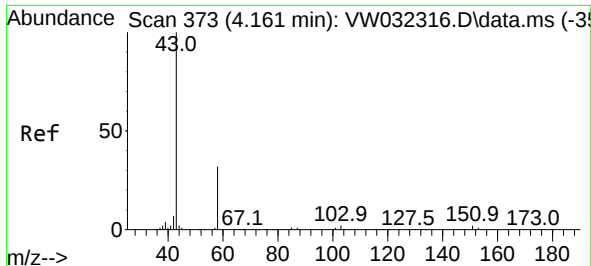


#13
Acrolein
Concen: 1.160 ug/l
RT: 3.923 min Scan# 334
Delta R.T. -0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40



Tgt Ion: 56 Resp: 389
Ion Ratio Lower Upper
56 100
55 78.1 56.4 84.6

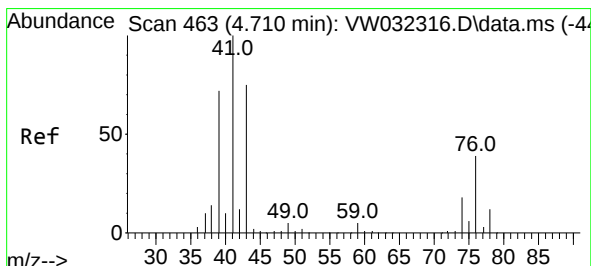
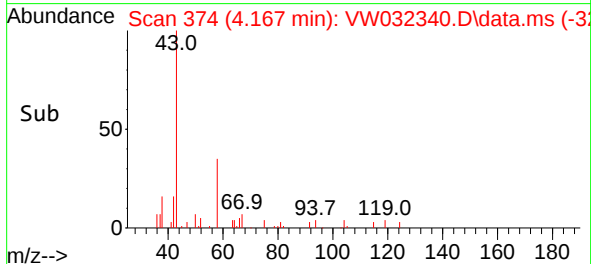
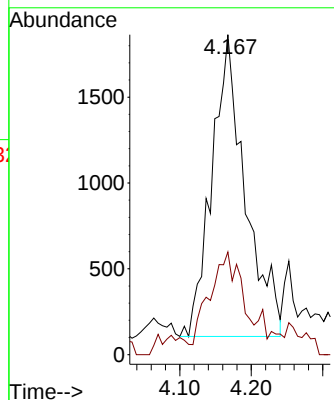
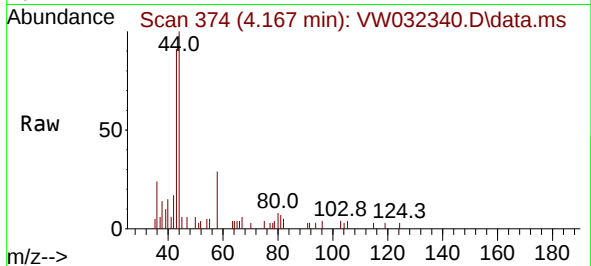




#16
Acetone
Concen: 7.554 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

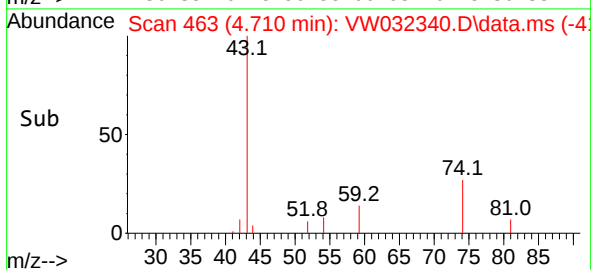
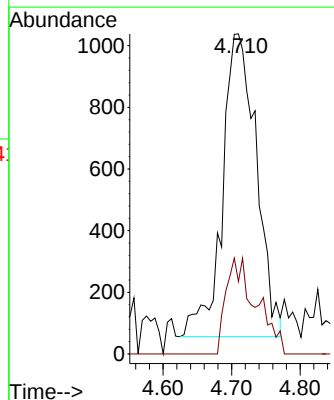
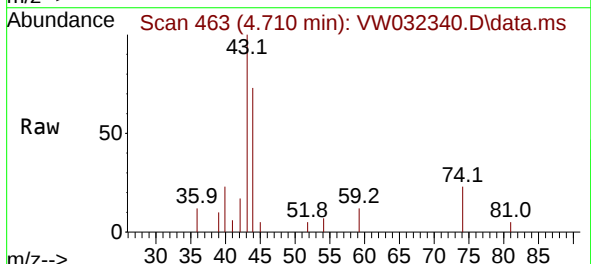
Instrument :
MSVOA_W
ClientSampleId :

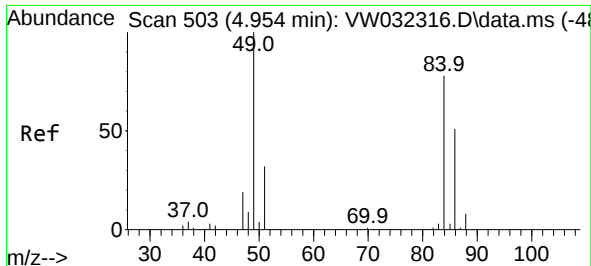
Tgt Ion: 43 Resp: 5711
Ion Ratio Lower Upper
43 100
58 28.3 25.3 37.9



#18
Methyl Acetate
Concen: 1.563 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

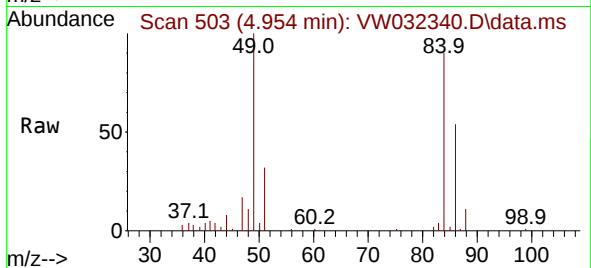
Tgt Ion: 43 Resp: 3385
Ion Ratio Lower Upper
43 100
74 28.1 20.2 30.4



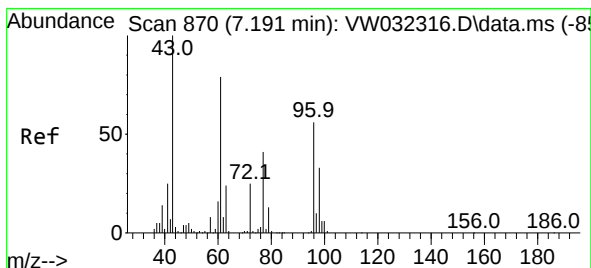
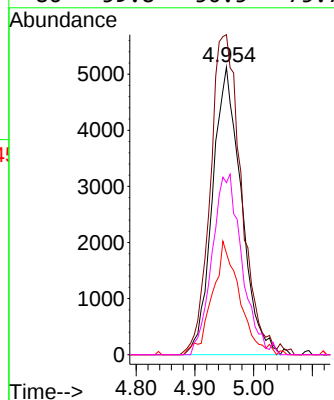


#20
Methylene Chloride
Concen: 1.830 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Instrument :
MSVOA_W
ClientSampleId :

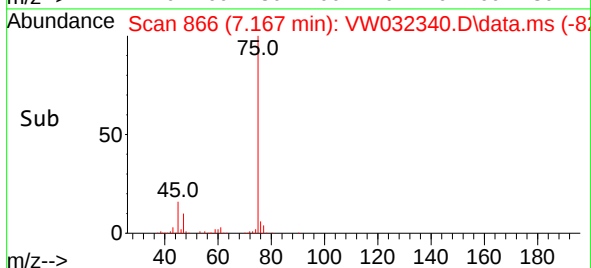
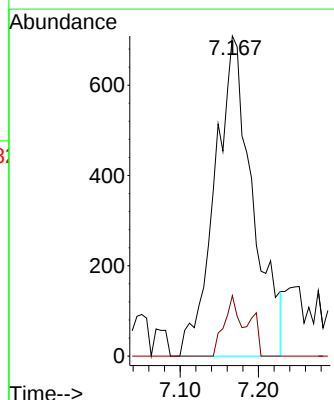
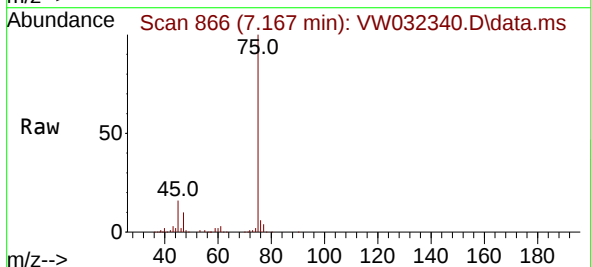


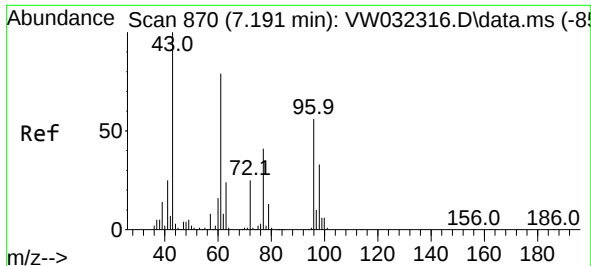
Tgt Ion:	84	Resp:	17470
Ion	Ratio	Lower	Upper
84	100		
49	111.3	92.2	138.4
51	35.3	31.0	46.6
86	59.8	50.5	75.7



#25
2-Butanone
Concen: 2.296 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

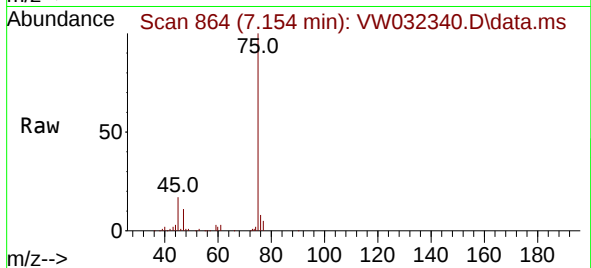
Tgt Ion:	43	Resp:	2364
Ion	Ratio	Lower	Upper
43	100		
72	18.9	21.4	32.2#



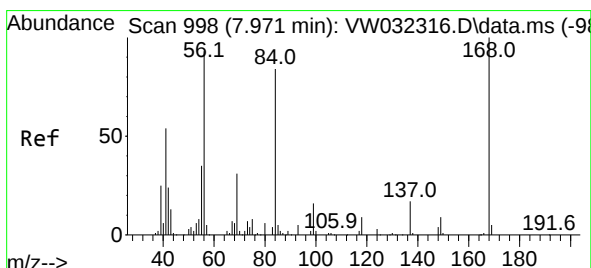
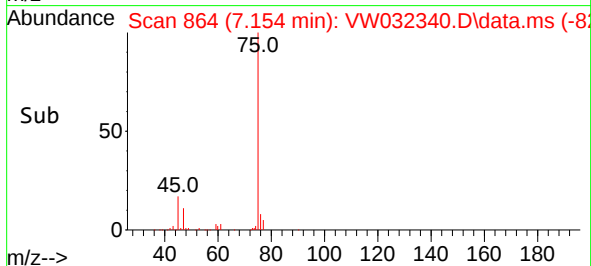
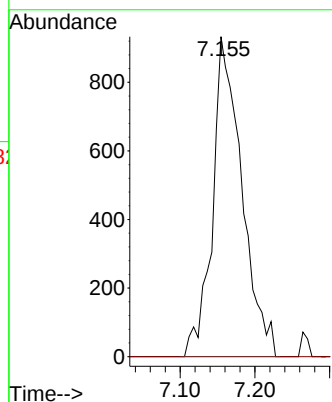


#26
2,2-Dichloropropane
Concen: 1.099 ug/l
RT: 7.154 min Scan# 80
Delta R.T. -0.031 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Instrument :
MSVOA_W
ClientSampleId :

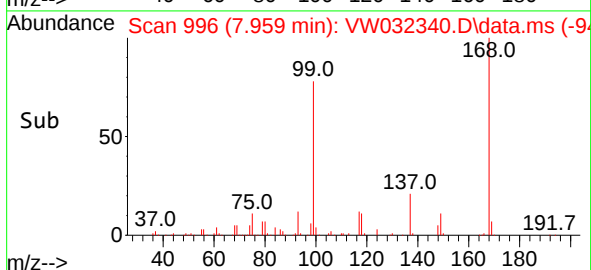
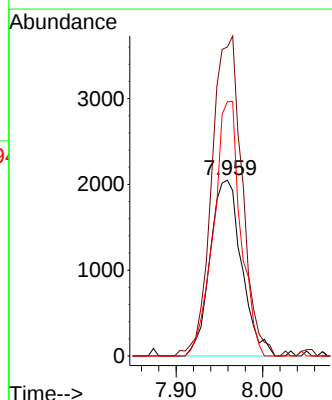
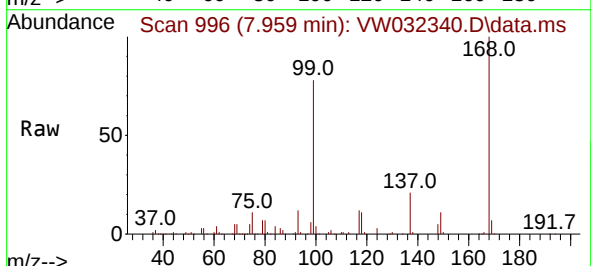


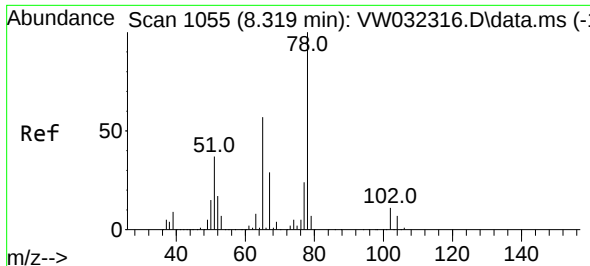
Tgt Ion: 77 Resp: 2532
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Tgt Ion: 56 Resp: 5174
Ion Ratio Lower Upper
56 100
69 175.7 27.7 41.5#
84 144.6 74.6 112.0#

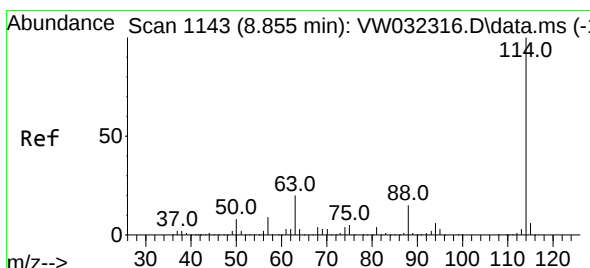
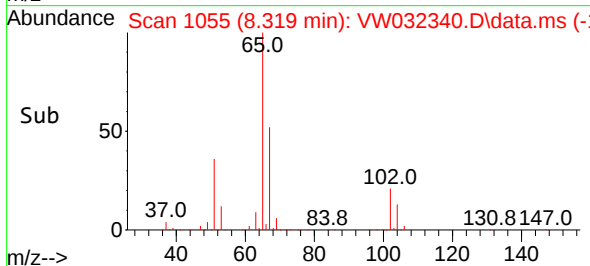
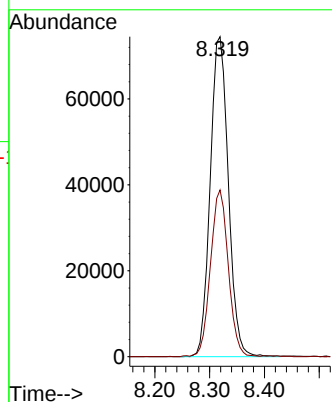
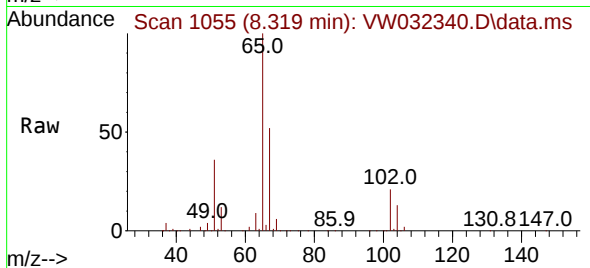




#33
 1,2-Dichloroethane-d4
 Concen: 62.466 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032340.D
 Acq: 03 Oct 2025 09:40

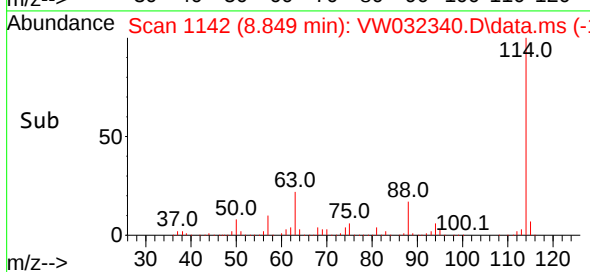
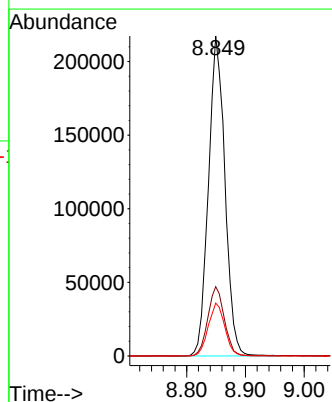
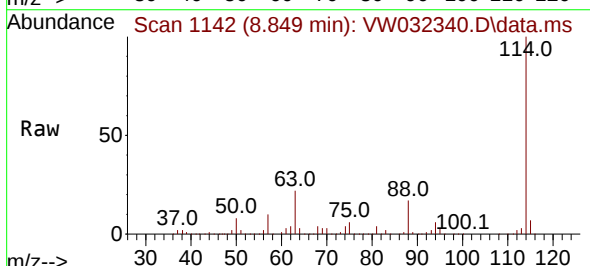
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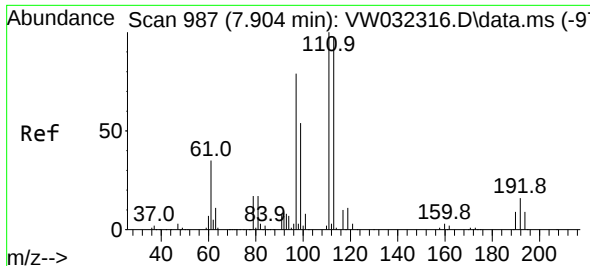
Tgt Ion: 65 Resp: 170547
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032340.D
 Acq: 03 Oct 2025 09:40

Tgt Ion: 114 Resp: 423770
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.4
 88 16.5 0.0 32.0

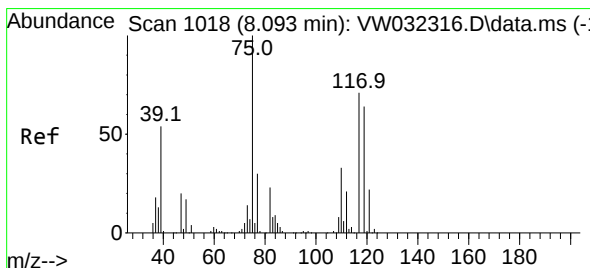
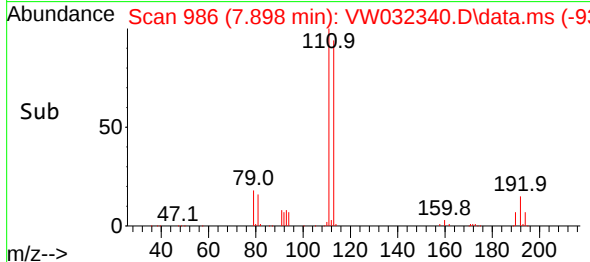
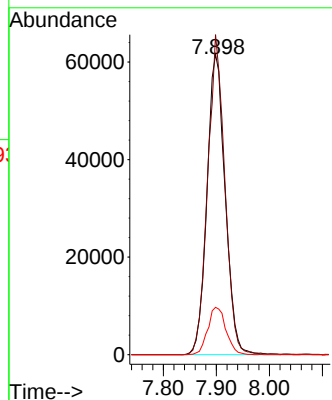
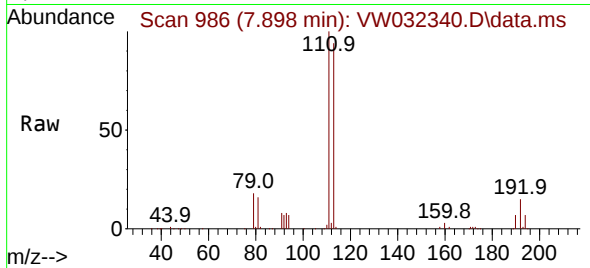




#35
Dibromofluoromethane
Concen: 53.384 ug/l
RT: 7.898 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

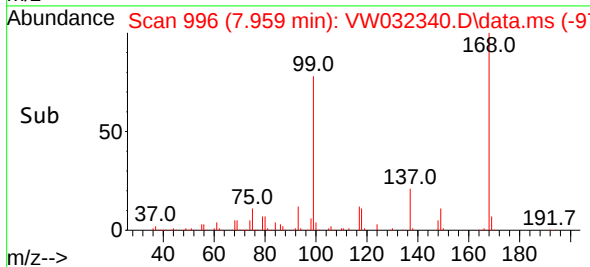
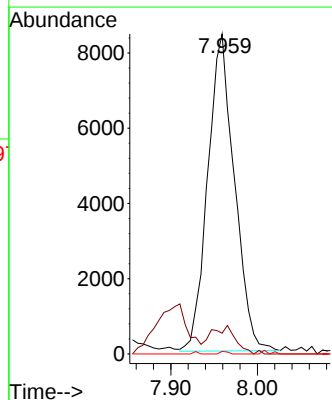
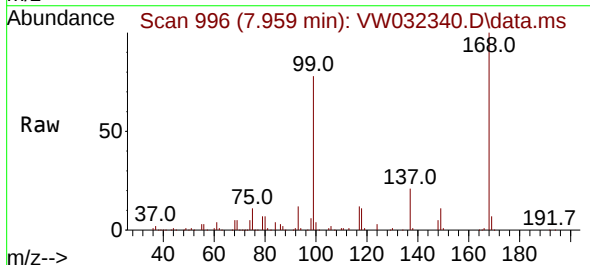
Instrument :
MSVOA_W
ClientSampleId :

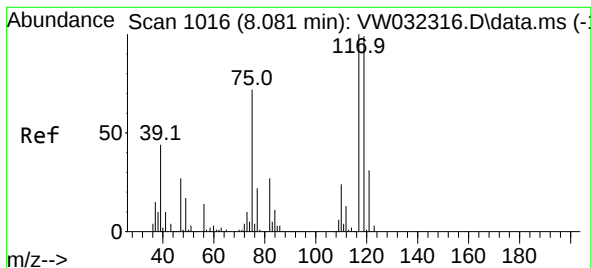
Tgt Ion:113 Resp: 146507
Ion Ratio Lower Upper
113 100
111 100.9 83.9 125.9
192 15.8 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Tgt Ion: 75 Resp: 18066
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.2 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.137 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.134 min

Lab File: VW032340.D

Acq: 03 Oct 2025 09:40

Instrument :

MSVOA_W

ClientSampleId :

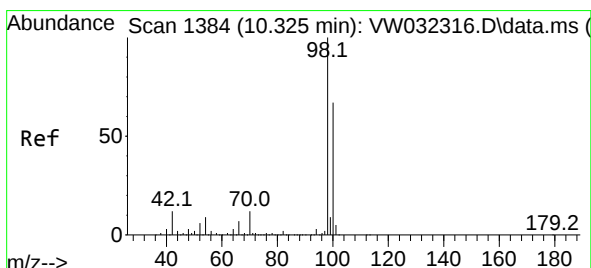
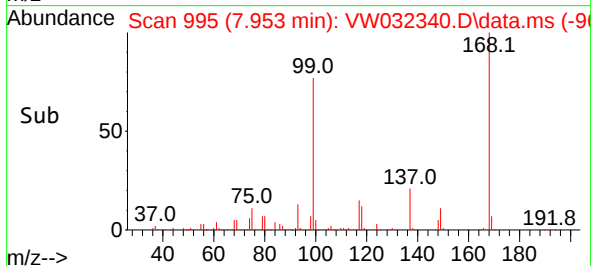
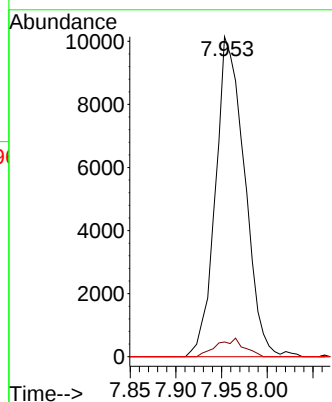
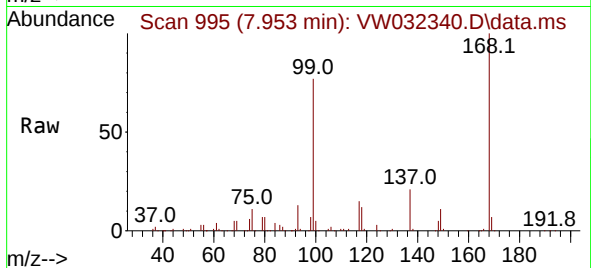
Tgt Ion:117 Resp: 22368

Ion Ratio Lower Upper

117 100

119 4.6 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 53.562 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032340.D

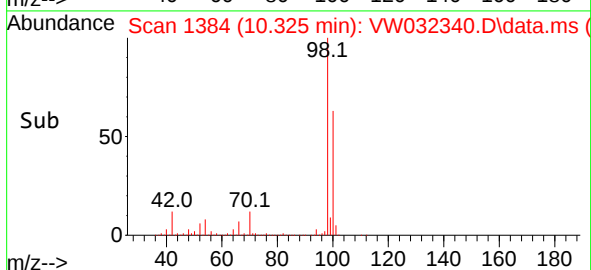
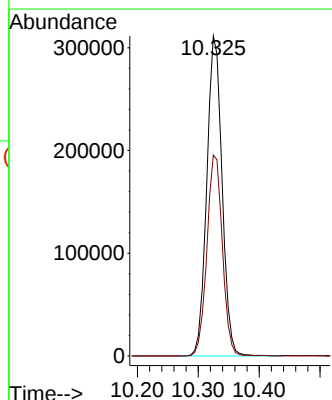
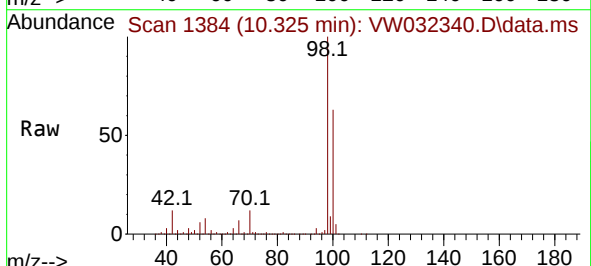
Acq: 03 Oct 2025 09:40

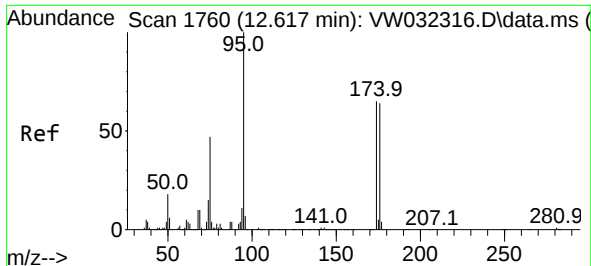
Tgt Ion: 98 Resp: 542522

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.2

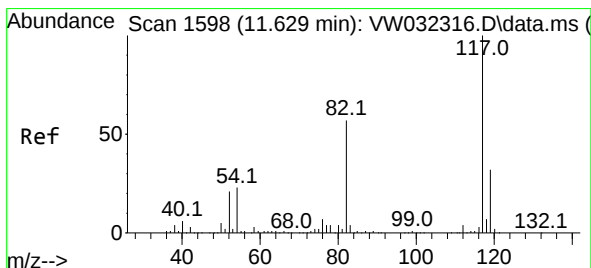
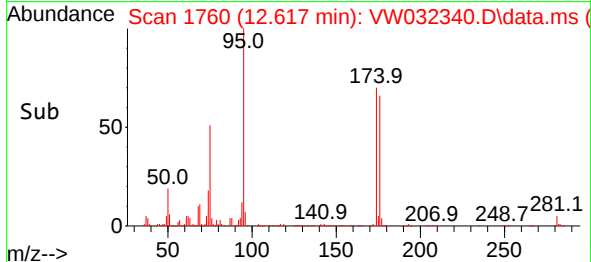
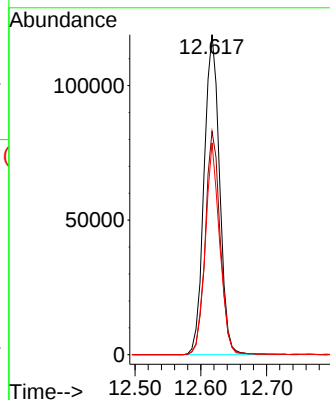
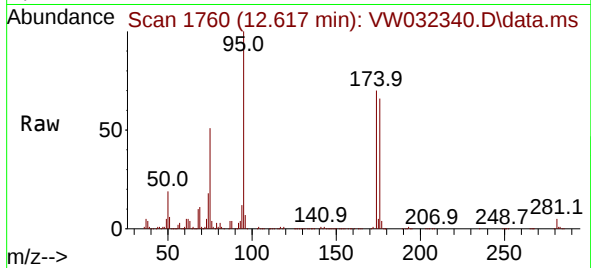




#62
4-Bromofluorobenzene
Concen: 50.878 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

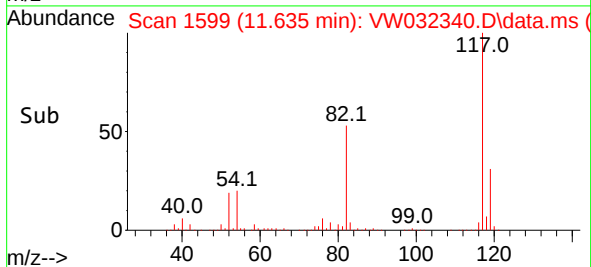
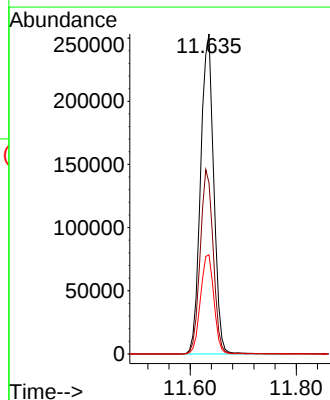
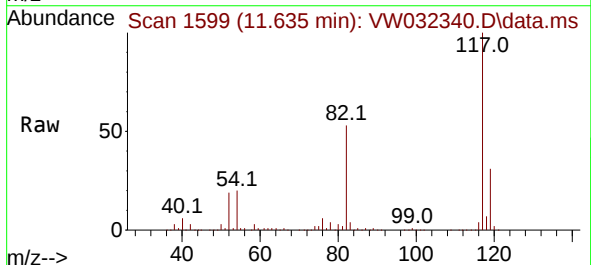
Instrument :
MSVOA_W
ClientSampleId :

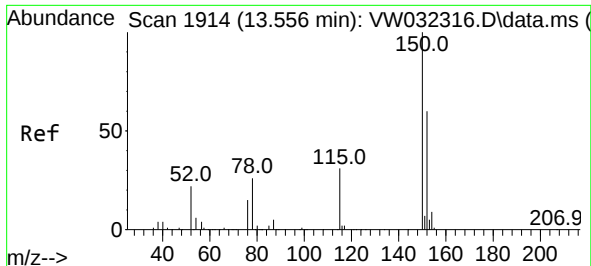
Tgt Ion: 95 Resp: 194781
Ion Ratio Lower Upper
95 100
174 66.8 0.0 145.6
176 62.1 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

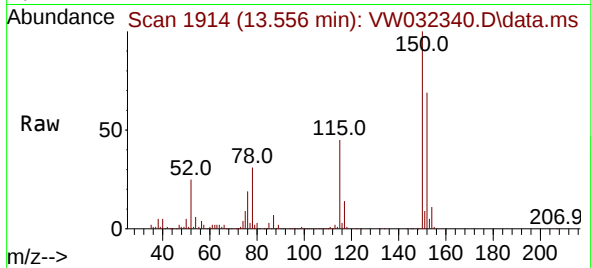
Tgt Ion: 117 Resp: 435697
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 31.0 25.2 37.8



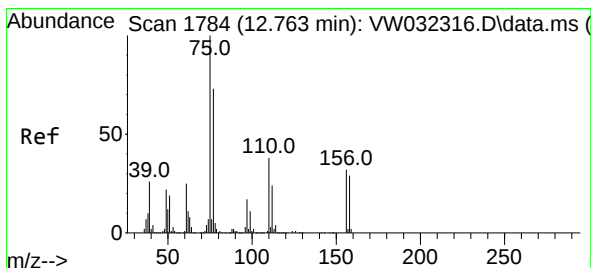
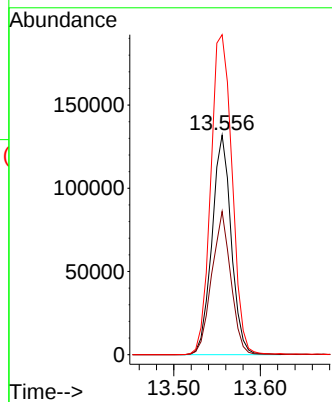
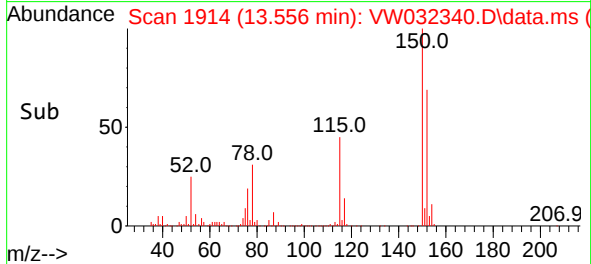


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032340.D
 Acq: 03 Oct 2025 09:40

Instrument :
 MSVOA_W
 ClientSampleId :

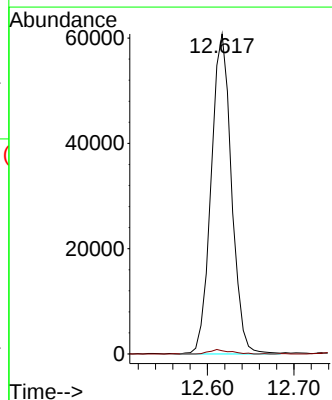
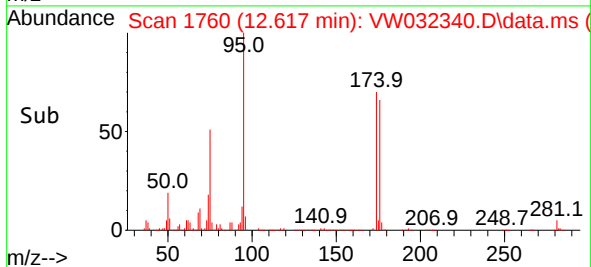
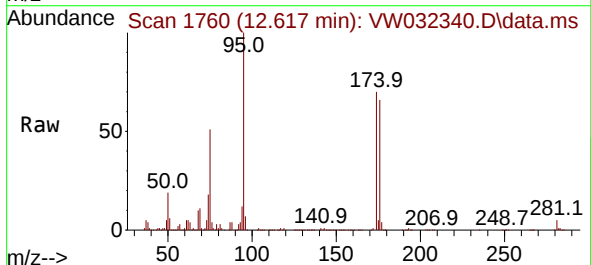


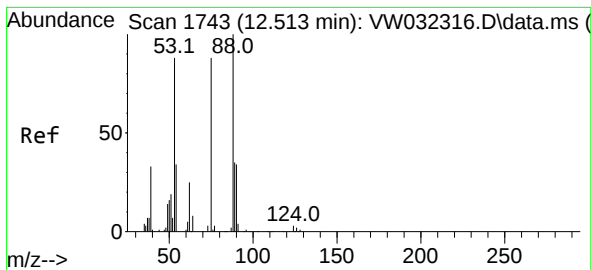
Tgt Ion:152 Resp: 203854
 Ion Ratio Lower Upper
 152 100
 115 64.6 31.8 95.4
 150 161.3 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 36.975 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032340.D
 Acq: 03 Oct 2025 09:40

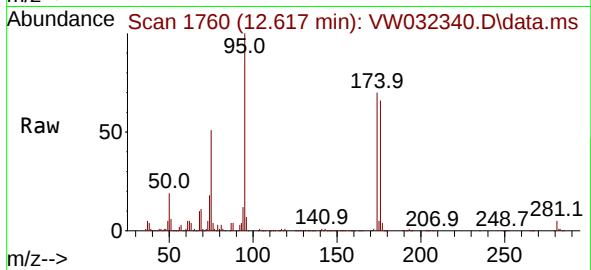
Tgt Ion: 75 Resp: 99191
 Ion Ratio Lower Upper
 75 100
 77 1.4 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 93.669 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	75	Resp:	99191
Ion	Ratio	Lower	Upper
75	100		
53	0.3	91.0	136.6#
89	0.2	39.4	59.2#

