

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032335.D
 Acq On : 02 Oct 2025 16:09
 Operator : SY/MD
 Sample : Q3269-04
 Misc : 4.55g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 22:12:04 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)

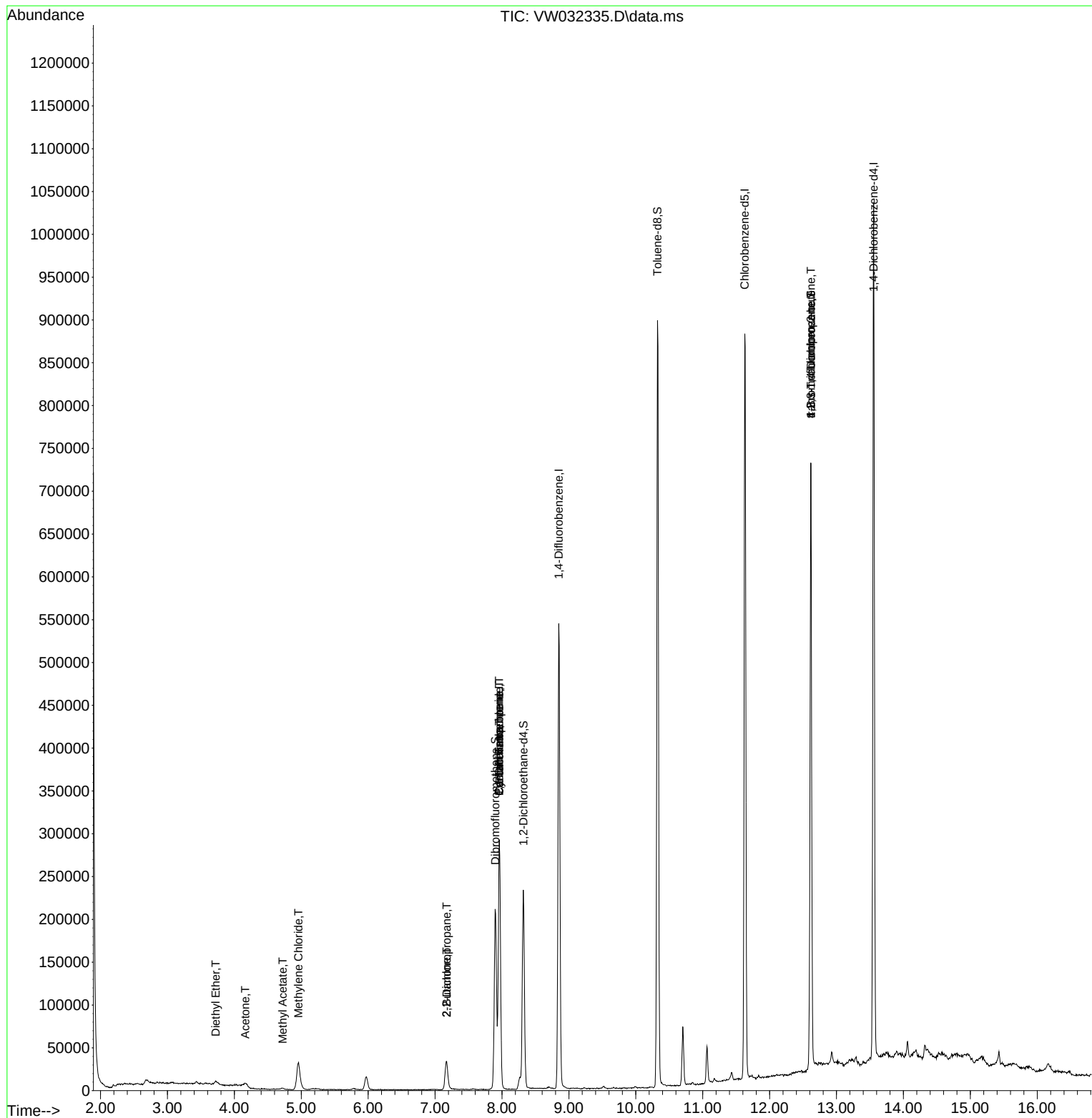
Internal Standards						
1) Pentafluorobenzene	7.959	168	204171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	459361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	484820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	247966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	191464	64.294	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 128.580%		
35) Dibromofluoromethane	7.898	113	157074	52.800	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 105.600%		
50) Toluene-d8	10.325	98	594074	54.107	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 108.220%		
62) 4-Bromofluorobenzene	12.617	95	244496	58.916	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 117.840%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.722	74	1770	1.156	ug/l	66
16) Acetone	4.161	43	4311	5.228	ug/l	98
18) Methyl Acetate	4.722	43	3113	1.318	ug/l	94
20) Methylene Chloride	4.960	84	26196	4.760	ug/l	90
25) 2-Butanone	7.173	43	1884	1.678	ug/l #	67
26) 2,2-Dichloropropane	7.173	77	2584	1.029	ug/l #	52
31) Cyclohexane	7.959	56	5257	1.254	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20185	4.808	ug/l #	49
38) Carbon Tetrachloride	7.959	117	22940	5.806	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	124344	38.106	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	124344	96.533	ug/l #	5

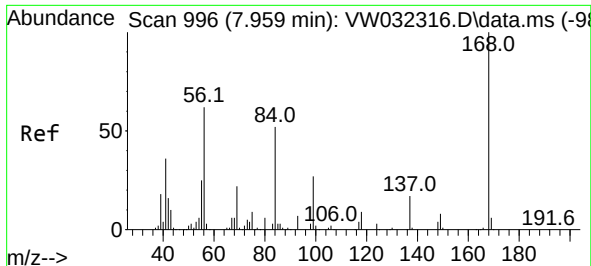
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
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Instrument :
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Quant Time: Oct 02 22:12:04 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

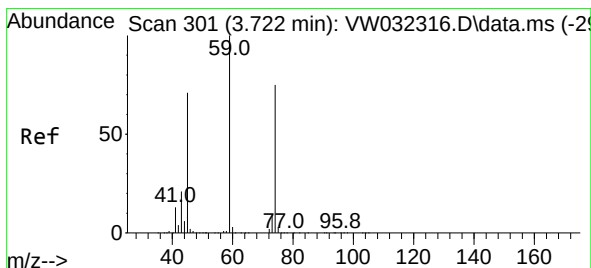
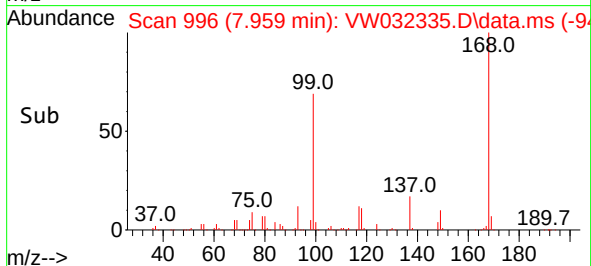
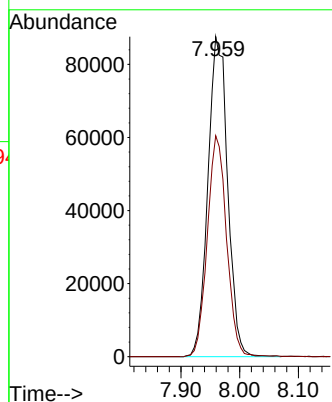
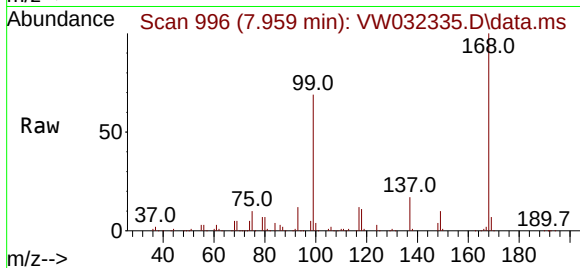




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

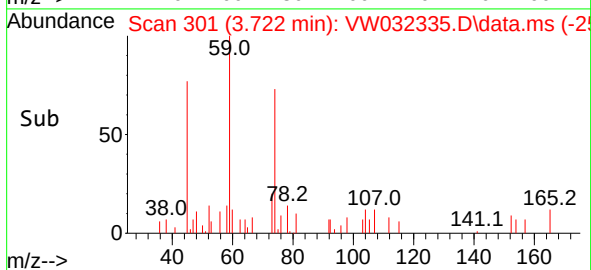
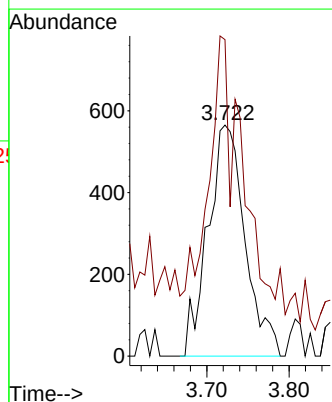
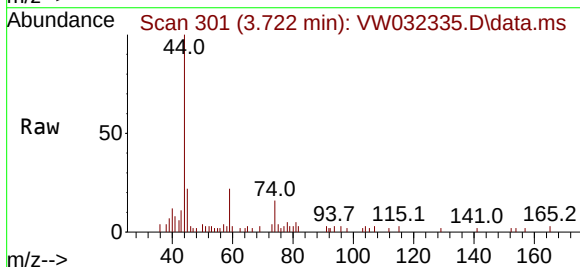
Instrument :
MSVOA_W
ClientSampleId :

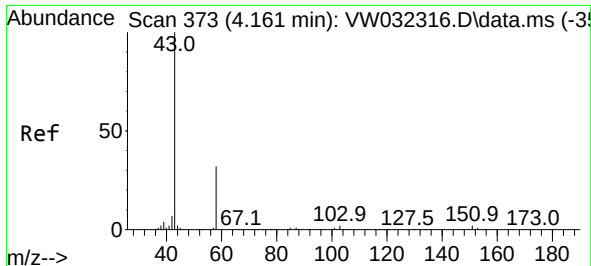
Tgt Ion:168 Resp: 204171
Ion Ratio Lower Upper
168 100
99 69.1 49.3 73.9



#8
Diethyl Ether
Concen: 1.156 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

Tgt Ion: 74 Resp: 1770
Ion Ratio Lower Upper
74 100
45 55.4 43.1 129.4

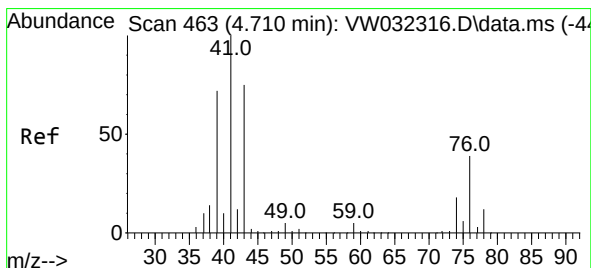
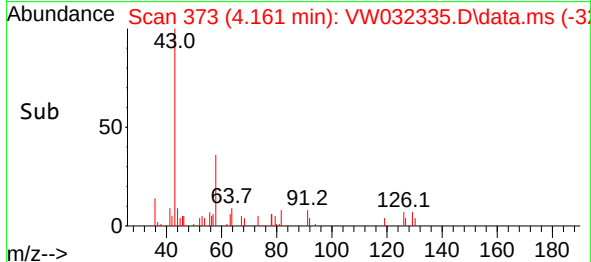
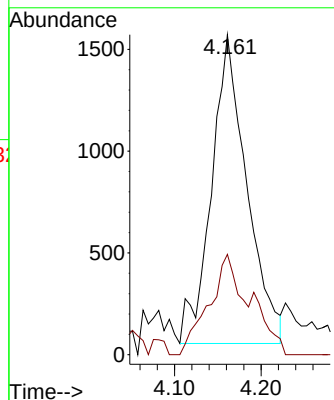
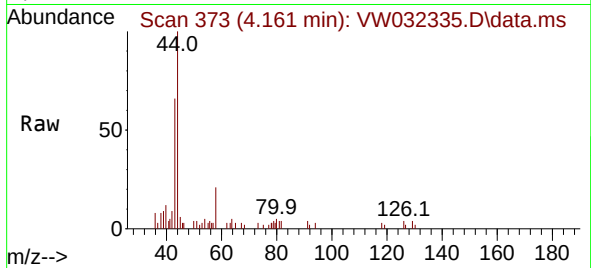




#16
Acetone
Concen: 5.228 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

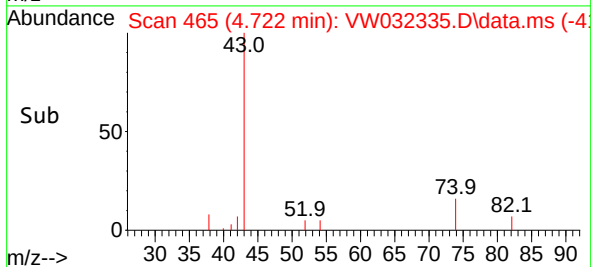
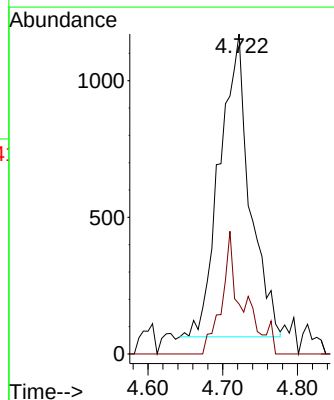
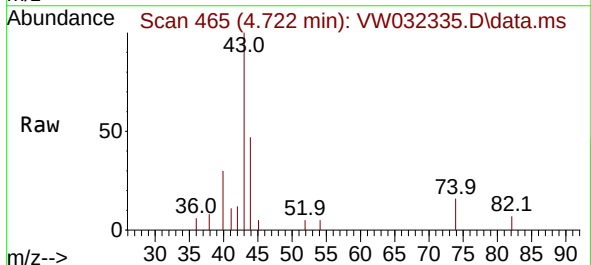
Instrument :
MSVOA_W
ClientSampleId :

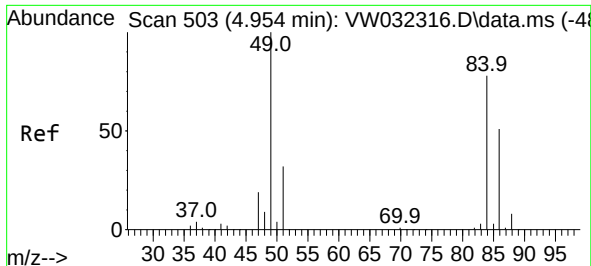
Tgt Ion: 43 Resp: 4311
Ion Ratio Lower Upper
43 100
58 32.5 25.3 37.9



#18
Methyl Acetate
Concen: 1.318 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

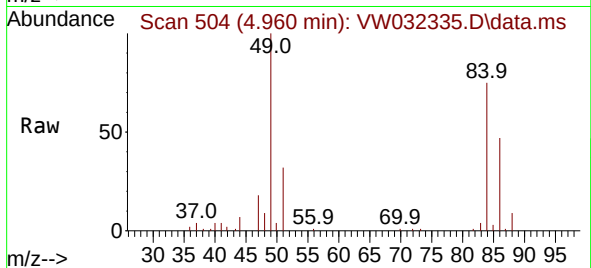
Tgt Ion: 43 Resp: 3113
Ion Ratio Lower Upper
43 100
74 28.4 20.2 30.4



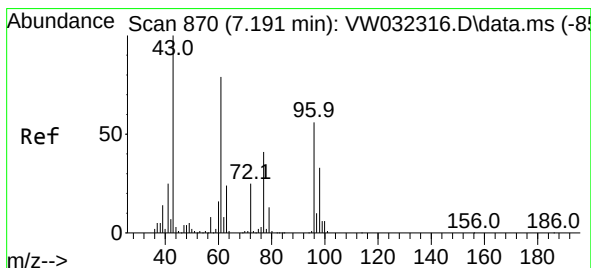
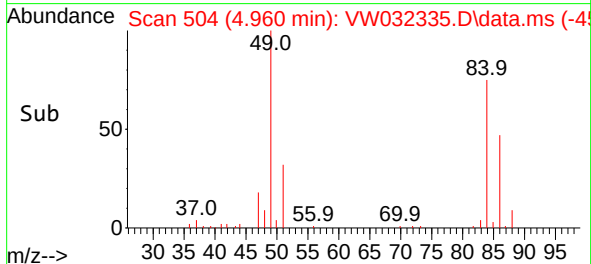
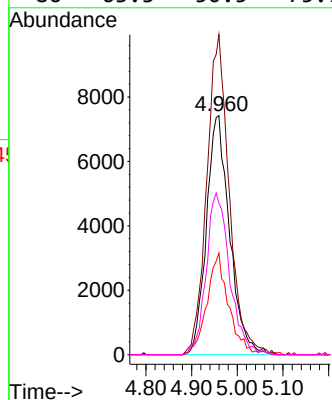


#20
Methylene Chloride
Concen: 4.760 ug/l
RT: 4.960 min Scan# 50
Delta R.T. -0.000 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

Instrument :
MSVOA_W
ClientSampleId :

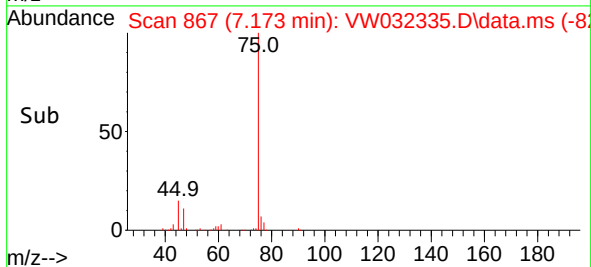
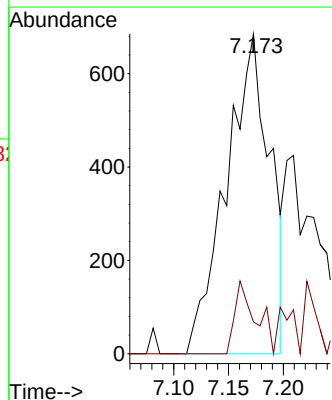
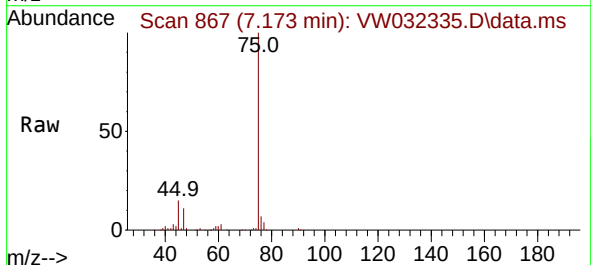


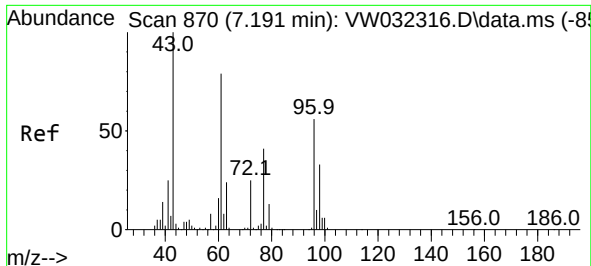
Tgt Ion:	84	Resp:	26196
Ion	Ratio	Lower	Upper
84	100		
49	133.8	92.2	138.4
51	42.4	31.0	46.6
86	63.3	50.5	75.7



#25
2-Butanone
Concen: 1.678 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

Tgt Ion:	43	Resp:	1884
Ion	Ratio	Lower	Upper
43	100		
72	9.9	21.4	32.2#

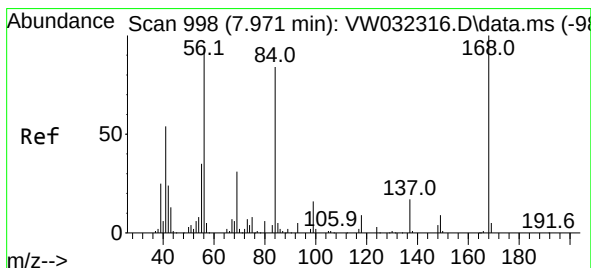
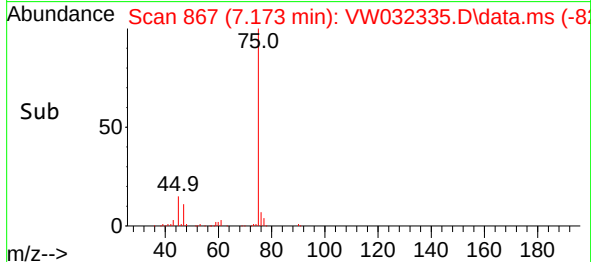
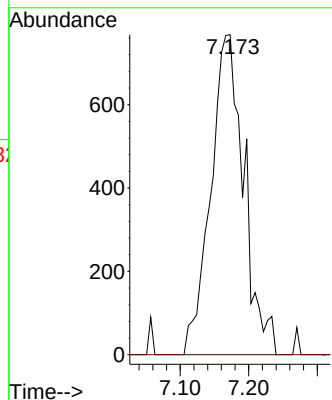
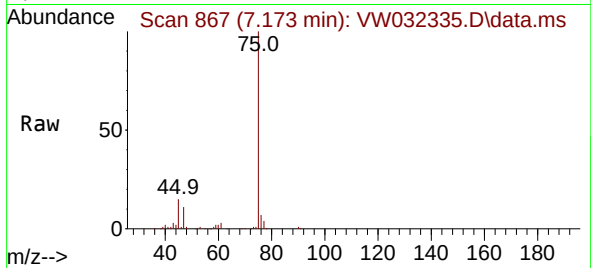




#26
2,2-Dichloropropane
Concen: 1.029 ug/l
RT: 7.173 min Scan# 80
Delta R.T. -0.012 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

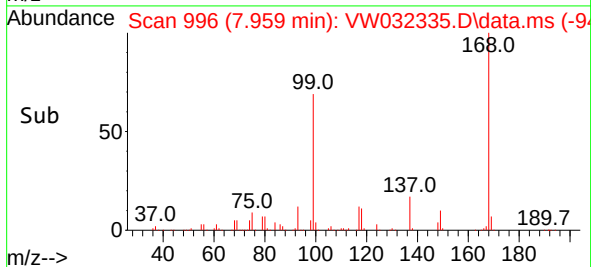
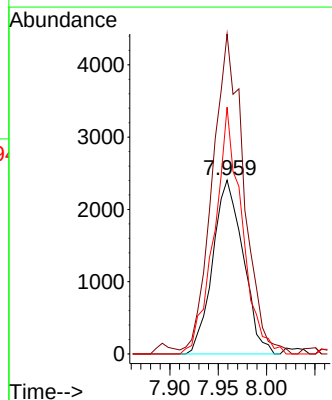
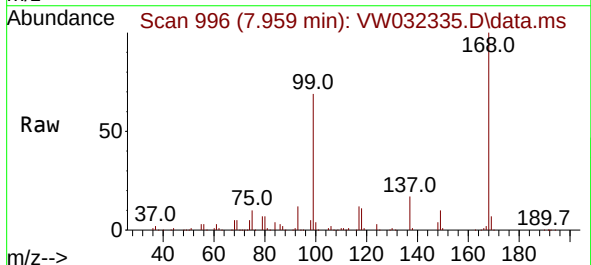
Instrument :
MSVOA_W
ClientSampleId :

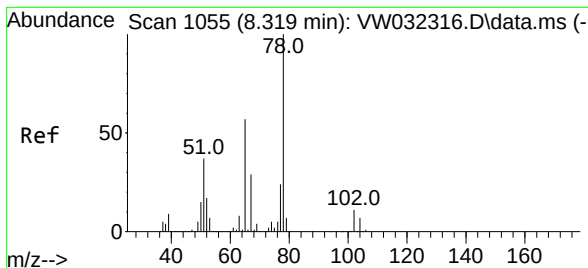
Tgt Ion: 77 Resp: 2584
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

Tgt Ion: 56 Resp: 5257
Ion Ratio Lower Upper
56 100
69 181.8 27.7 41.5#
84 142.0 74.6 112.0#





#33

1,2-Dichloroethane-d4

Concen: 64.294 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032335.D

Acq: 02 Oct 2025 16:09

Instrument :

MSVOA_W

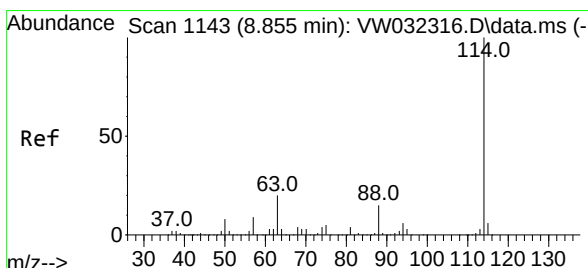
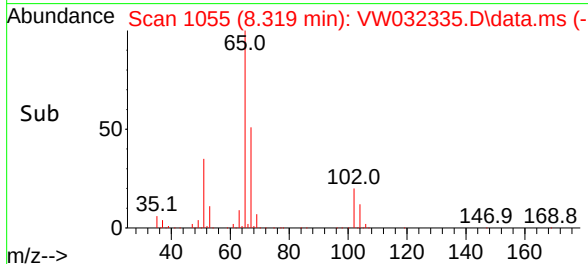
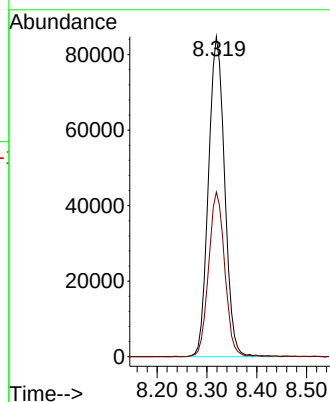
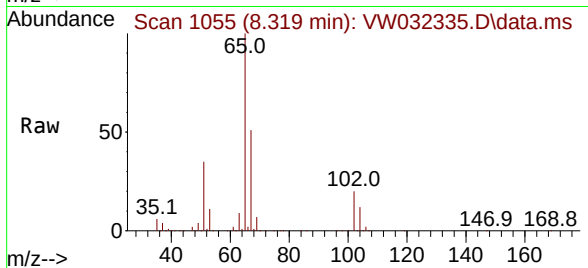
ClientSampleId :

Tgt Ion: 65 Resp: 191464

Ion Ratio Lower Upper

65 100

67 51.2 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: VW032335.D

Acq: 02 Oct 2025 16:09

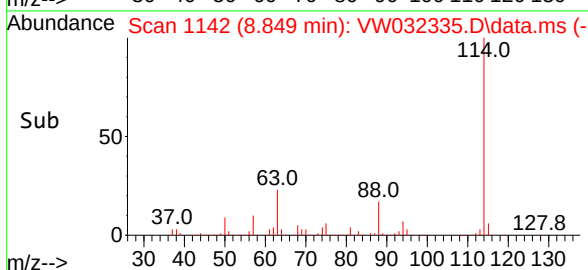
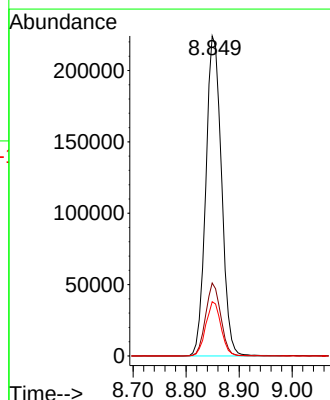
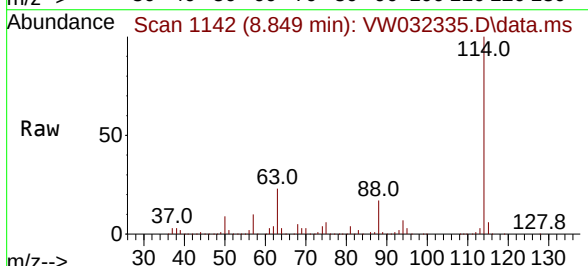
Tgt Ion: 114 Resp: 459361

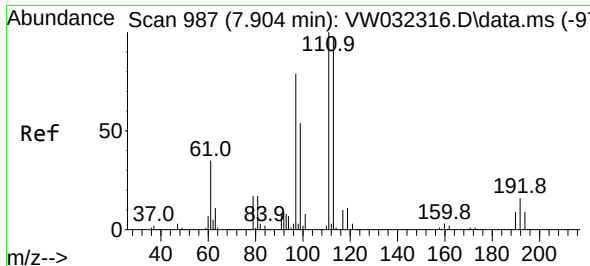
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.4

88 16.9 0.0 32.0

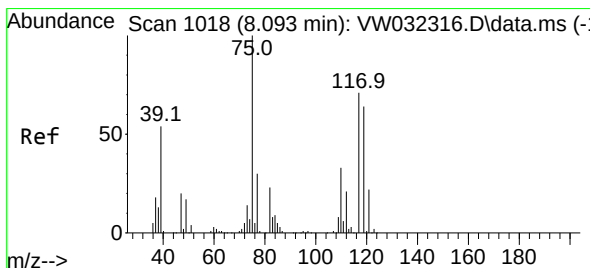
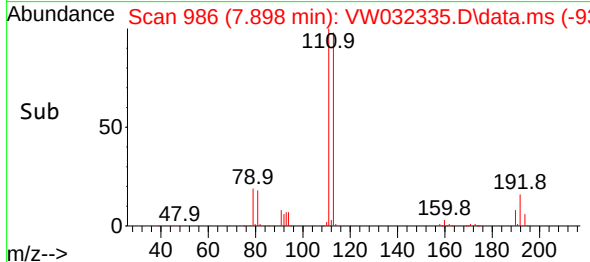
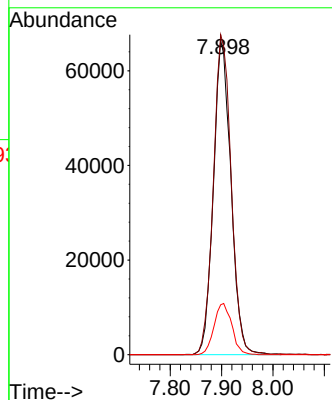
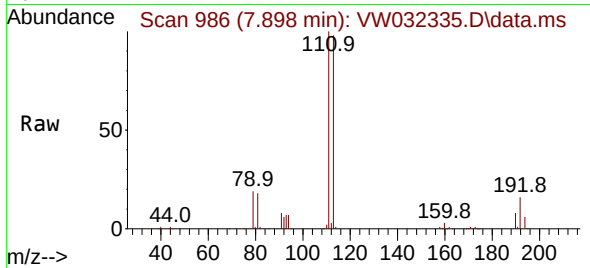




#35
 Dibromofluoromethane
 Concen: 52.800 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VW032335.D
 Acq: 02 Oct 2025 16:09

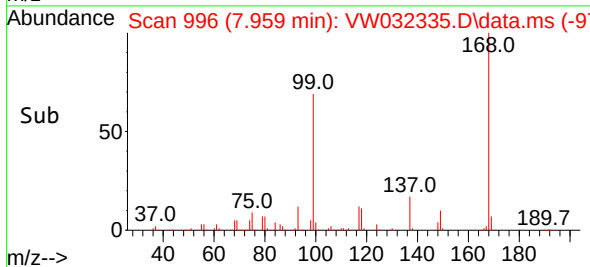
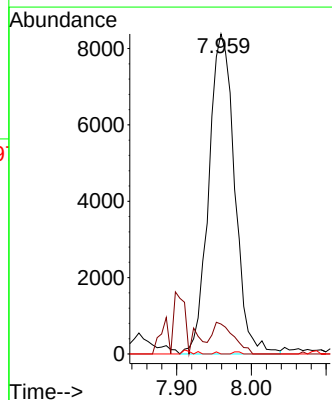
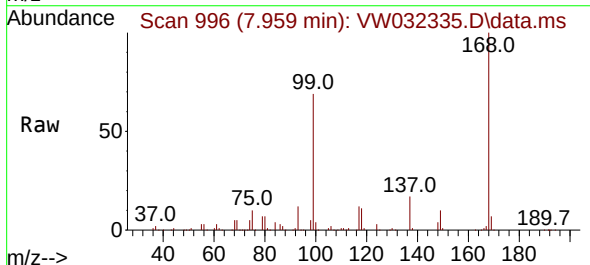
Instrument :
 MSVOA_W
 ClientSampleId :

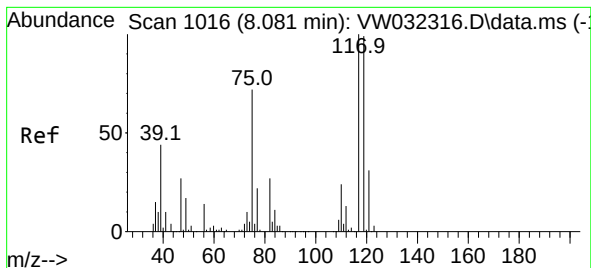
Tgt Ion:113 Resp: 157074
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.9 125.9
 192 16.5 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032335.D
 Acq: 02 Oct 2025 16:09

Tgt Ion: 75 Resp: 20185
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.5 52.5#
 77 0.1 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

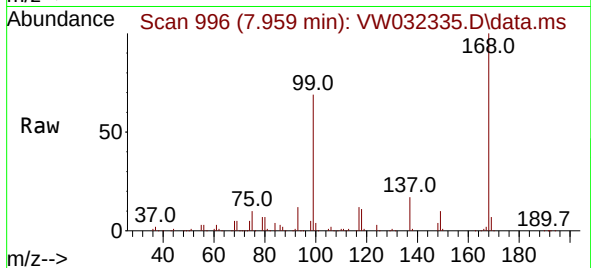
Lab File: VW032335.D

Acq: 02 Oct 2025 16:09

Instrument :

MSVOA_W

ClientSampleId :



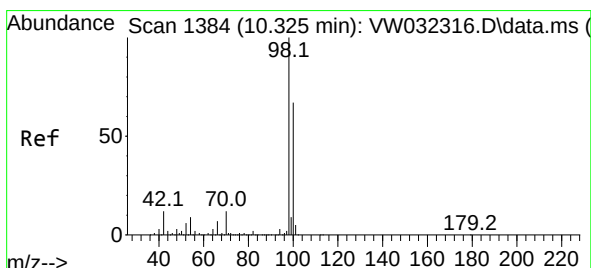
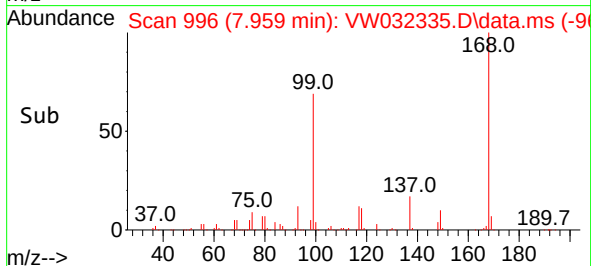
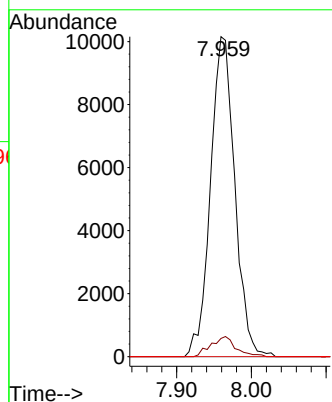
Tgt Ion:117 Resp: 22940

Ion Ratio Lower Upper

117 100

119 5.7 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 54.107 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032335.D

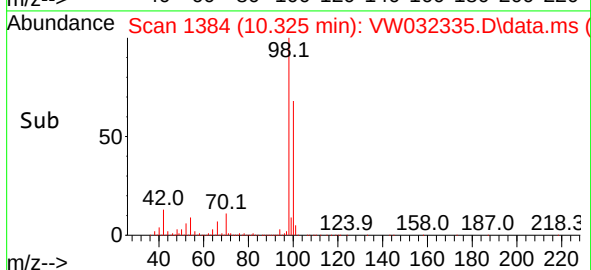
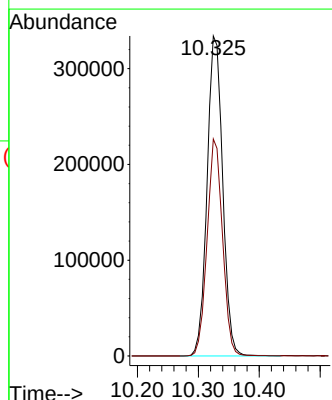
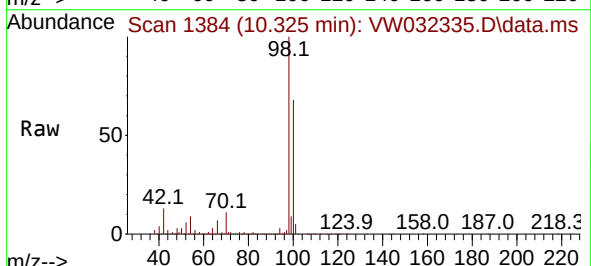
Acq: 02 Oct 2025 16:09

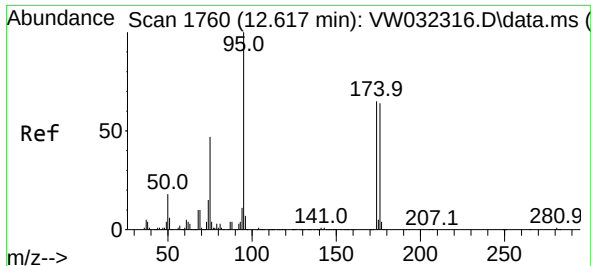
Tgt Ion: 98 Resp: 594074

Ion Ratio Lower Upper

98 100

100 67.0 51.4 77.2

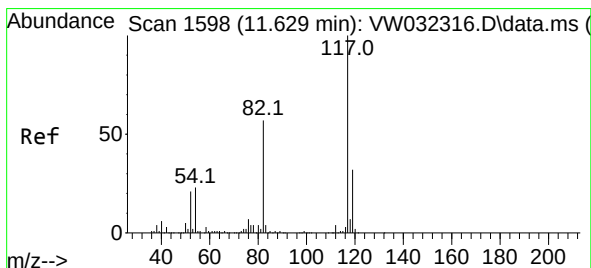
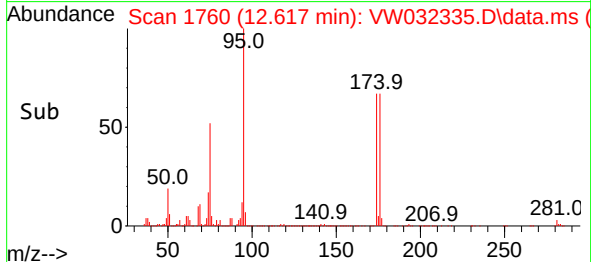
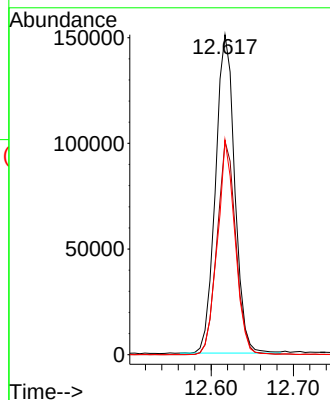
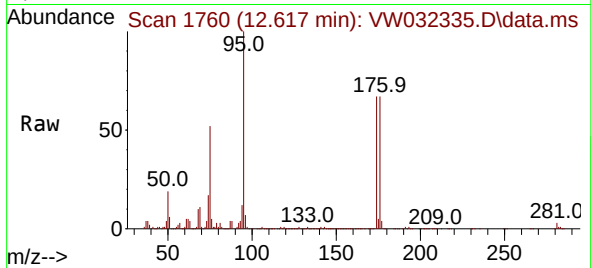




#62
4-Bromofluorobenzene
Concen: 58.916 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

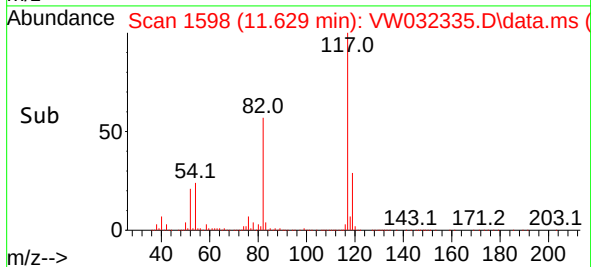
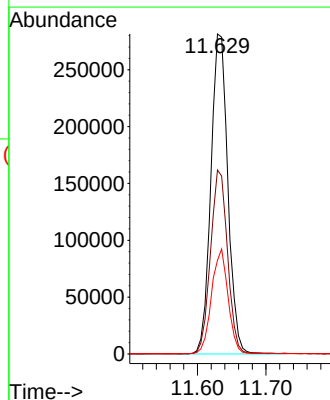
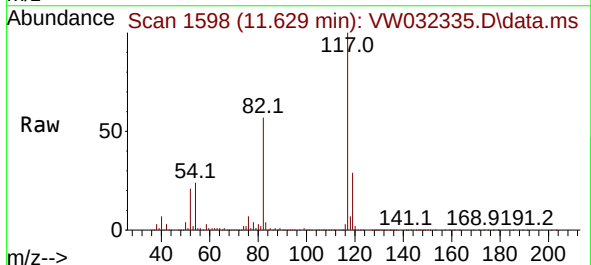
Instrument :
MSVOA_W
ClientSampleId :

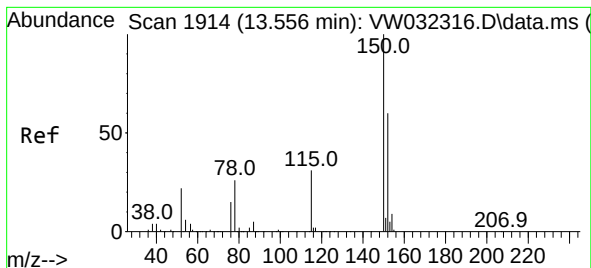
Tgt Ion: 95 Resp: 244496
Ion Ratio Lower Upper
95 100
174 65.7 0.0 145.6
176 62.3 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

Tgt Ion: 117 Resp: 484820
Ion Ratio Lower Upper
117 100
82 57.4 42.7 64.1
119 29.2 25.2 37.8

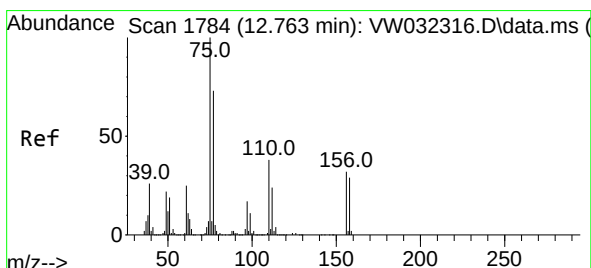
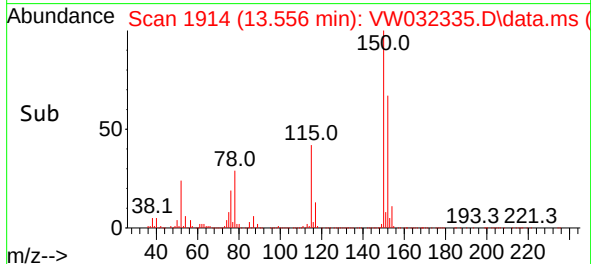
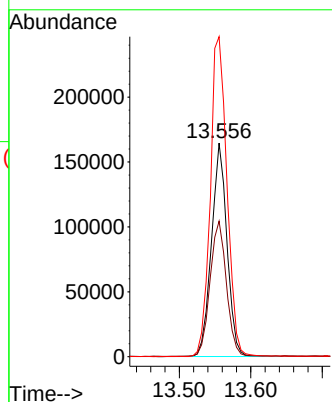
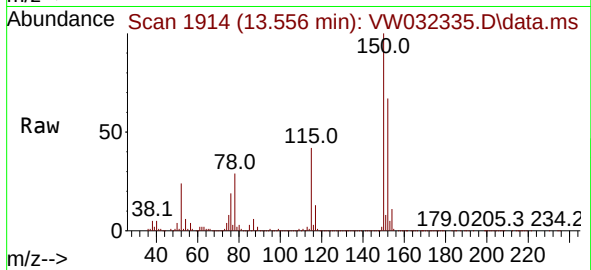




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032335.D
 Acq: 02 Oct 2025 16:09

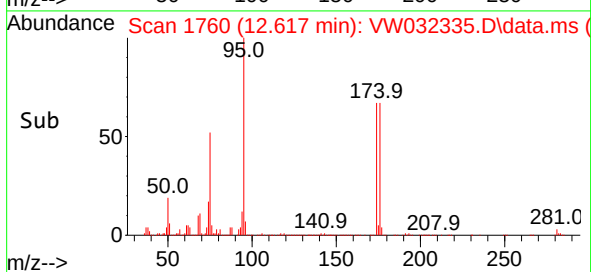
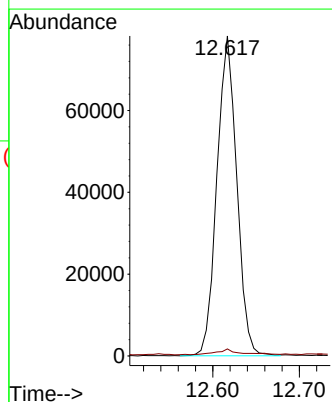
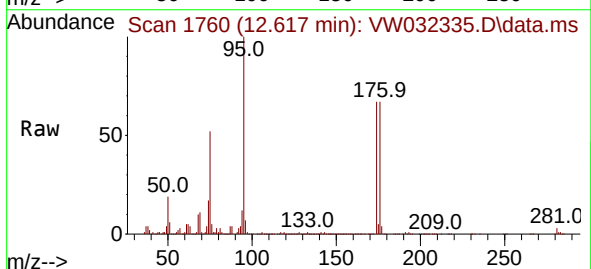
Instrument :
 MSVOA_W
 ClientSampleId :

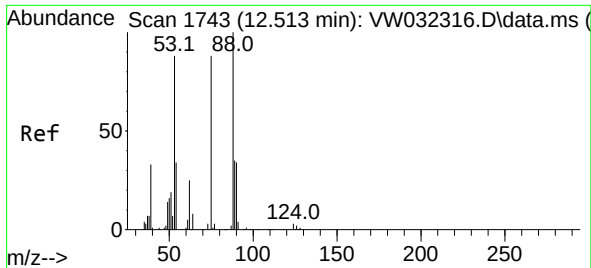
Tgt Ion:152 Resp: 247966
 Ion Ratio Lower Upper
 152 100
 115 66.9 31.8 95.4
 150 160.6 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 38.106 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032335.D
 Acq: 02 Oct 2025 16:09

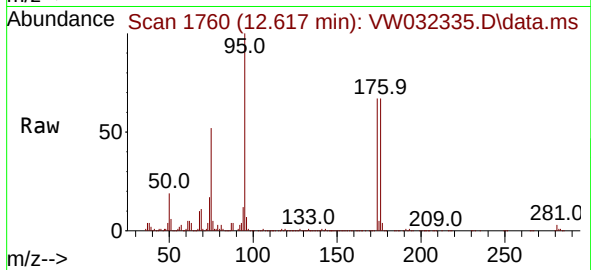
Tgt Ion: 75 Resp: 124344
 Ion Ratio Lower Upper
 75 100
 77 1.9 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.533 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.103 min
Lab File: VW032335.D
Acq: 02 Oct 2025 16:09

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 124344
Ion Ratio Lower Upper
75 100
53 0.0 91.0 136.6#
89 0.1 39.4 59.2#

