

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032347.D
 Acq On : 03 Oct 2025 12:37
 Operator : SY/MD
 Sample : Q3272-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-235

Quant Time: Oct 04 05:01:54 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)

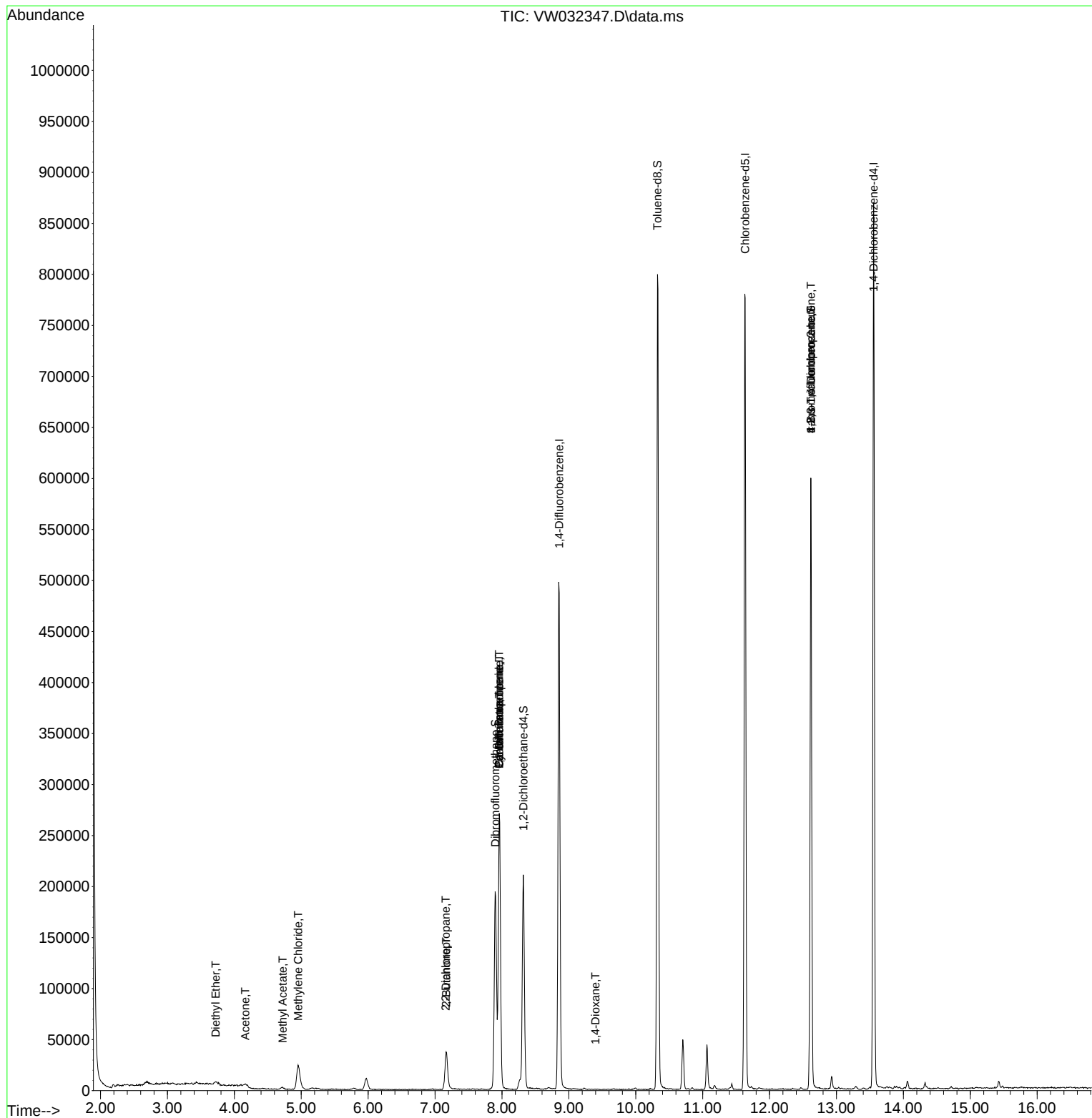
Internal Standards						
1) Pentafluorobenzene	7.959	168	183299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	414251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	425382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	216557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	170819	63.893	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 127.780%			
35) Dibromofluoromethane	7.898	113	142885	53.261	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.520%			
50) Toluene-d8	10.325	98	533604	53.892	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.780%			
62) 4-Bromofluorobenzene	12.617	95	199343	53.266	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 106.540%			
Target Compounds						Qvalue
8) Diethyl Ether	3.722	74	1395	1.015	ug/l	91
16) Acetone	4.161	43	2903	3.921	ug/l #	83
18) Methyl Acetate	4.722	43	3681	1.736	ug/l #	88
20) Methylene Chloride	4.954	84	19890	3.102	ug/l	90
25) 2-Butanone	7.167	43	2143	2.126	ug/l #	76
26) 2,2-Dichloropropane	7.161	77	2834	1.257	ug/l #	52
31) Cyclohexane	7.959	56	5075	1.348	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17293	4.567	ug/l #	49
38) Carbon Tetrachloride	7.959	117	20618	5.787	ug/l #	17
49) 1,4-Dioxane	9.398	88	40	1.607	ug/l #	24
76) 1,2,3-Trichloropropane	12.617	75	102923	36.116	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	102923	91.492	ug/l #	5

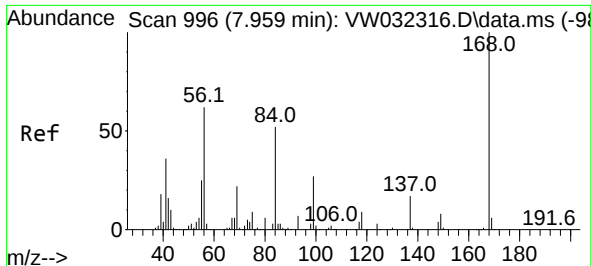
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 02 21:24:16 2025
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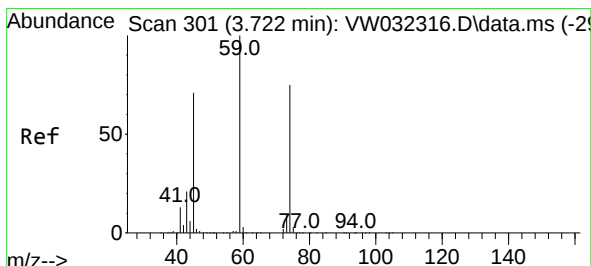
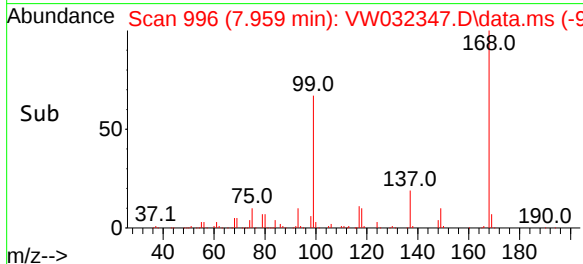
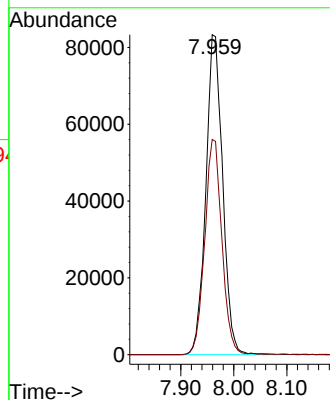
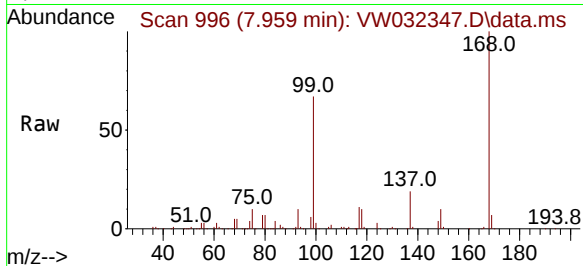




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

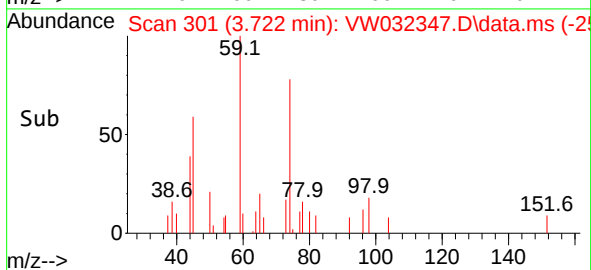
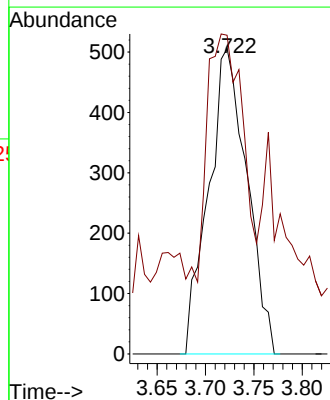
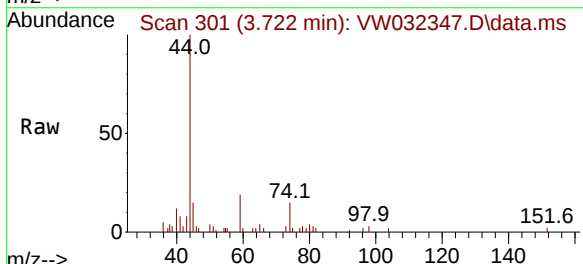
Instrument :
MSVOA_W
ClientSampleId :
VNJ-235

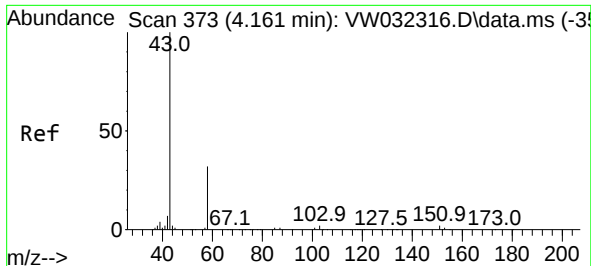
Tgt Ion:168 Resp: 183299
Ion Ratio Lower Upper
168 100
99 67.3 49.3 73.9



#8
Diethyl Ether
Concen: 1.015 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion: 74 Resp: 1395
Ion Ratio Lower Upper
74 100
45 78.1 43.1 129.4

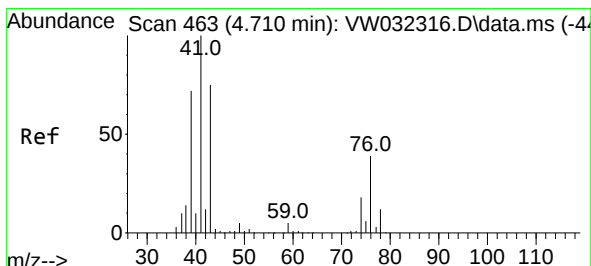
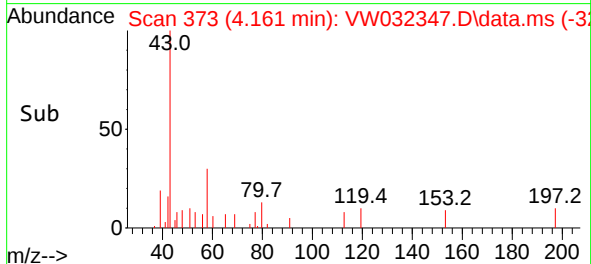
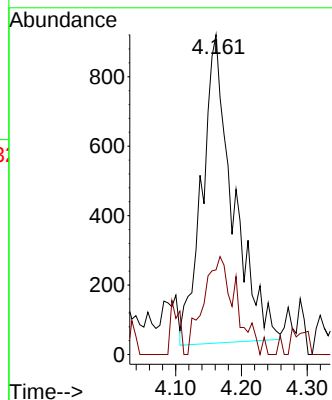
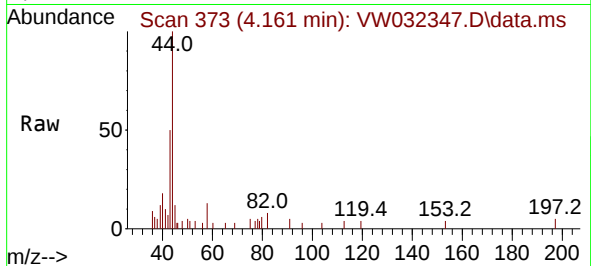




#16
Acetone
Concen: 3.921 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

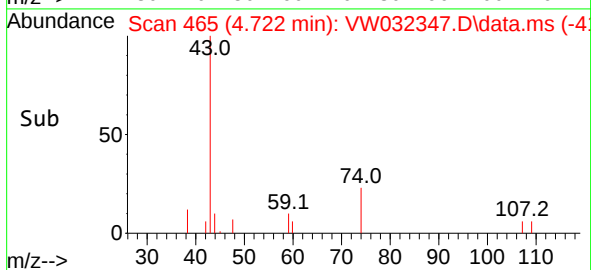
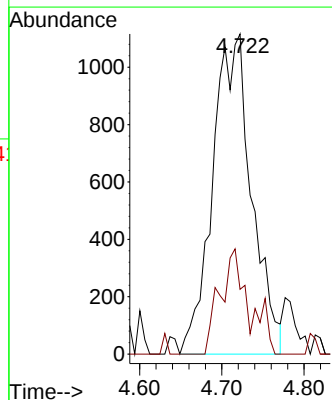
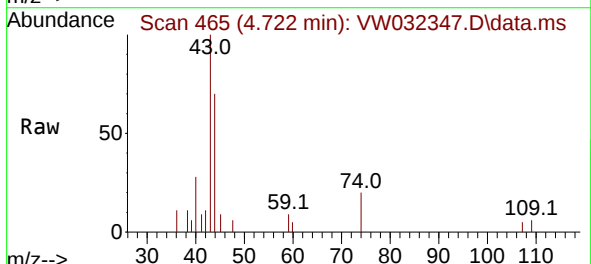
Instrument :
MSVOA_W
ClientSampleId :
VNJ-235

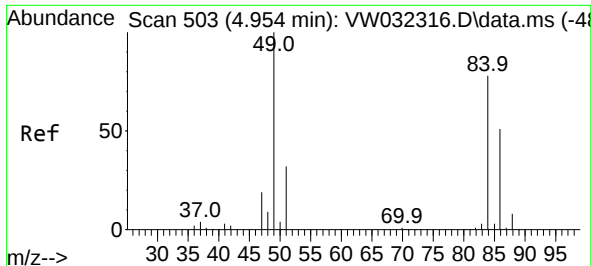
Tgt Ion: 43 Resp: 2903
Ion Ratio Lower Upper
43 100
58 21.9 25.3 37.9#



#18
Methyl Acetate
Concen: 1.736 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion: 43 Resp: 3681
Ion Ratio Lower Upper
43 100
74 19.5 20.2 30.4#

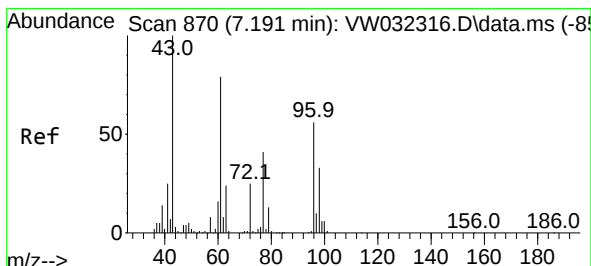
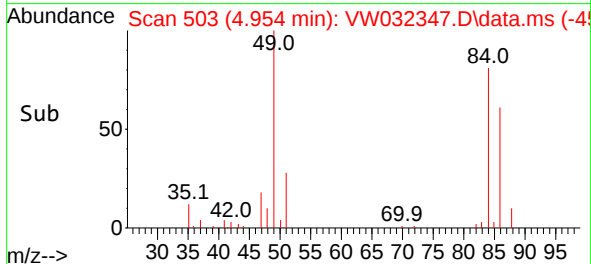
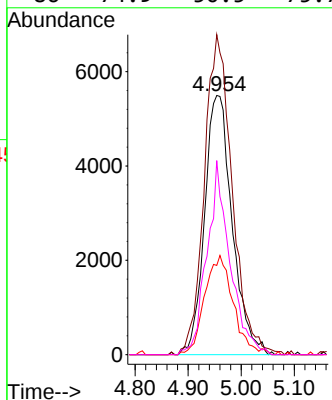
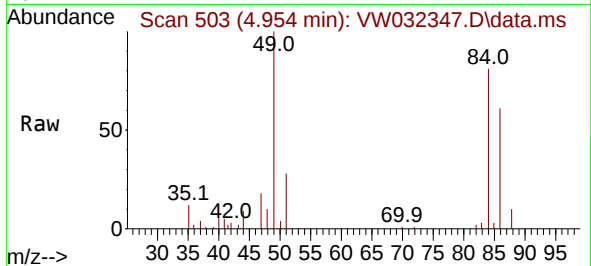




#20
Methylene Chloride
Concen: 3.102 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

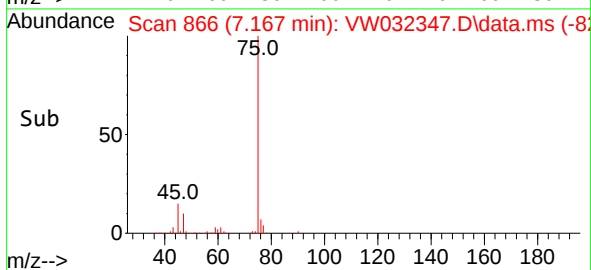
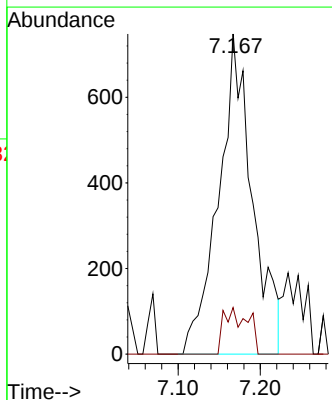
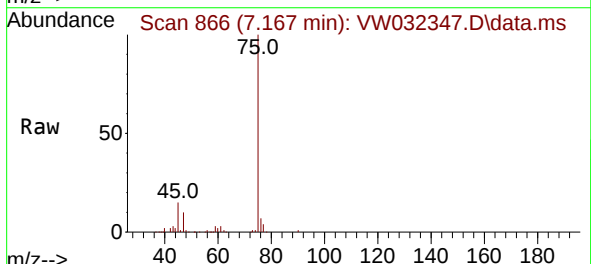
Instrument :
MSVOA_W
ClientSampleId :
VNJ-235

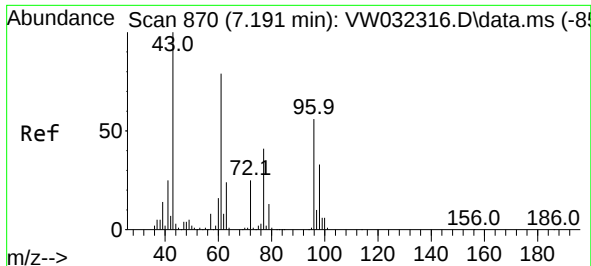
Tgt Ion:	84	Resp:	19890
Ion	Ratio	Lower	Upper
84	100		
49	123.5	92.2	138.4
51	34.5	31.0	46.6
86	74.9	50.5	75.7



#25
2-Butanone
Concen: 2.126 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion:	43	Resp:	2143
Ion	Ratio	Lower	Upper
43	100		
72	14.6	21.4	32.2#

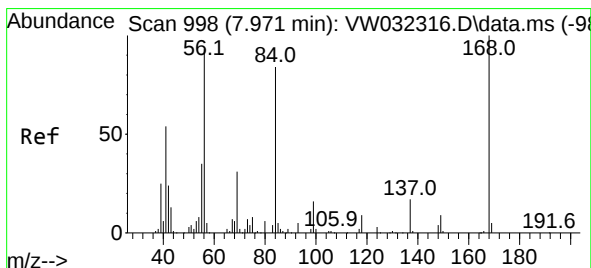
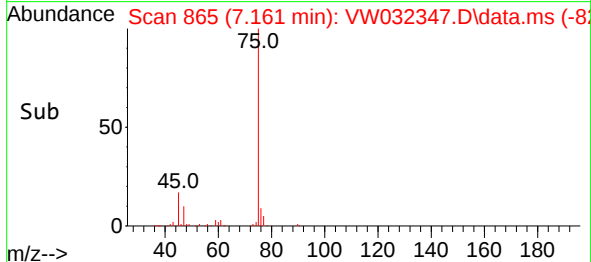
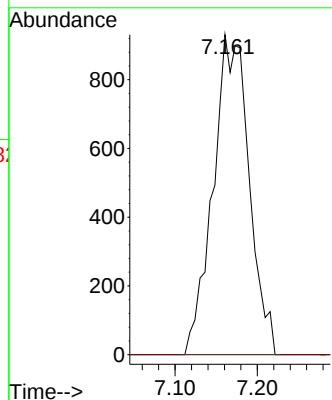
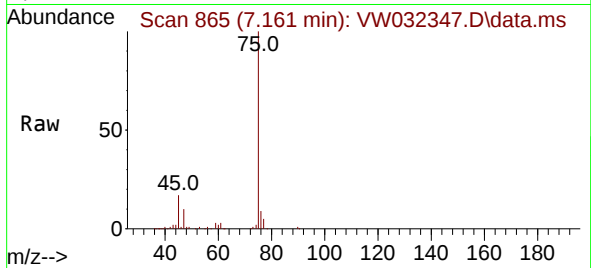




#26
2,2-Dichloropropane
Concen: 1.257 ug/l
RT: 7.161 min Scan# 80
Delta R.T. -0.024 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

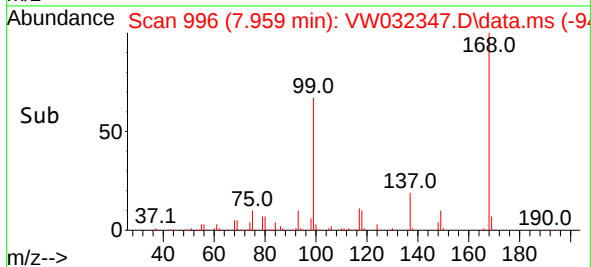
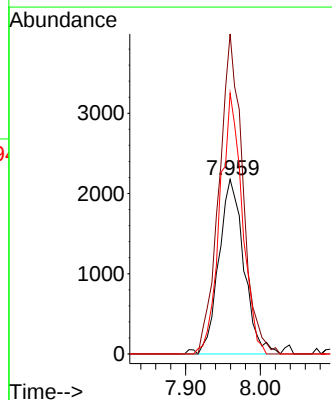
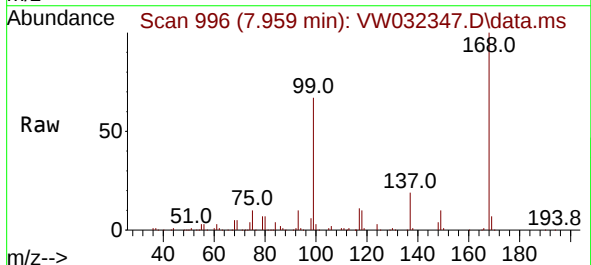
Instrument :
MSVOA_W
ClientSampleId :
VNJ-235

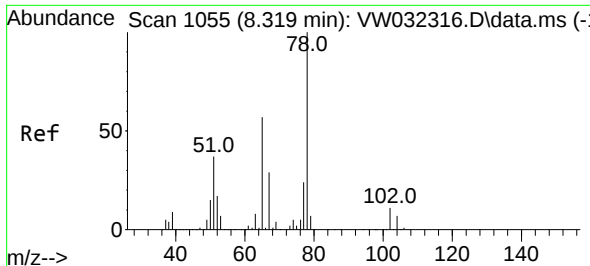
Tgt Ion: 77 Resp: 2834
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion: 56 Resp: 5075
Ion Ratio Lower Upper
56 100
69 183.4 27.7 41.5#
84 149.5 74.6 112.0#

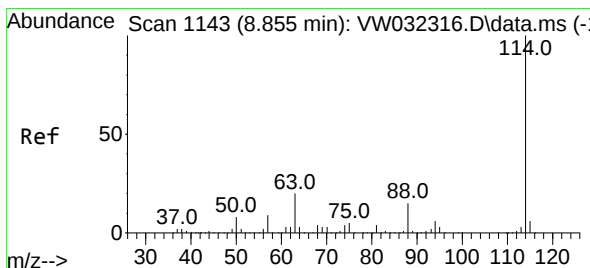
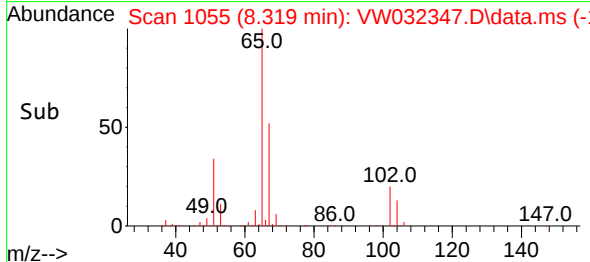
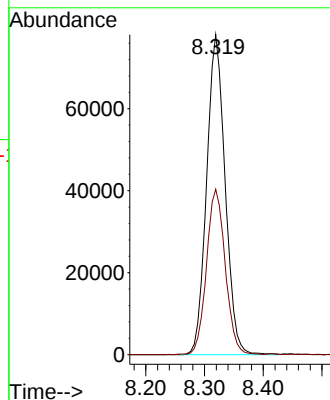
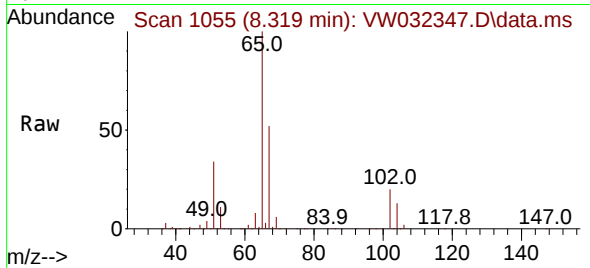




#33
 1,2-Dichloroethane-d4
 Concen: 63.893 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032347.D
 Acq: 03 Oct 2025 12:37

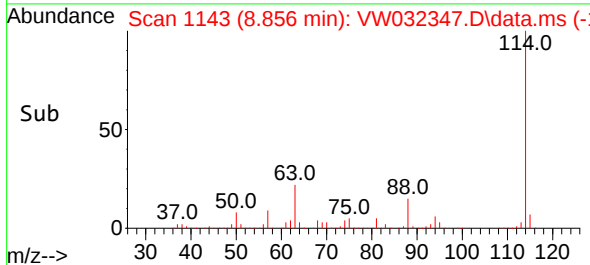
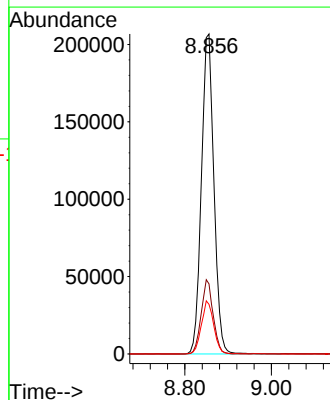
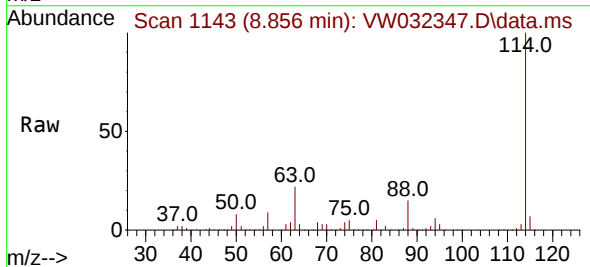
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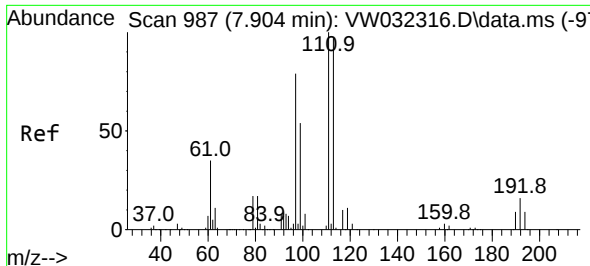
Tgt Ion: 65 Resp: 170819
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032347.D
 Acq: 03 Oct 2025 12:37

Tgt Ion: 114 Resp: 414251
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 40.4
 88 15.5 0.0 32.0

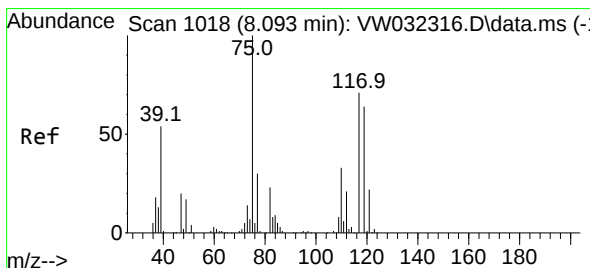
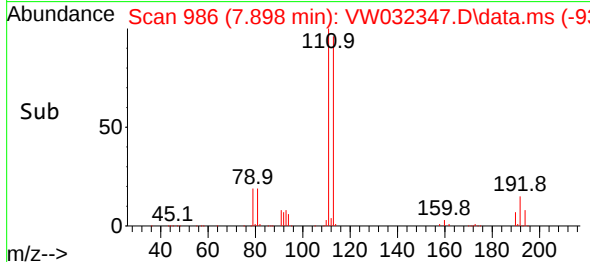
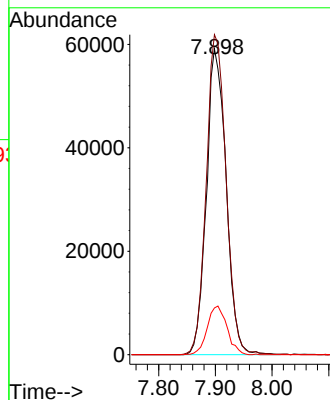
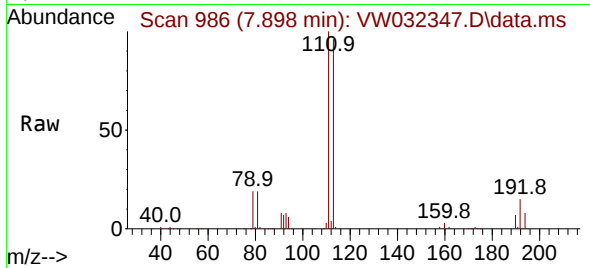




#35
Dibromofluoromethane
Concen: 53.261 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

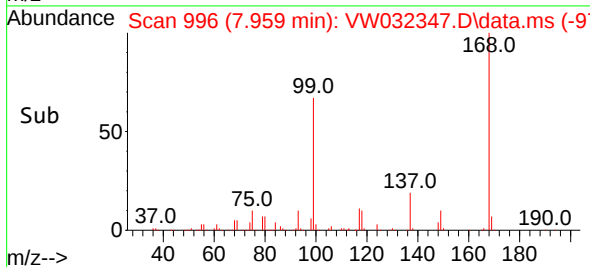
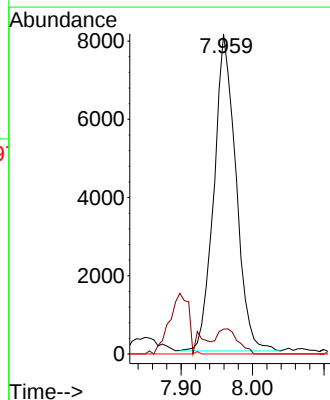
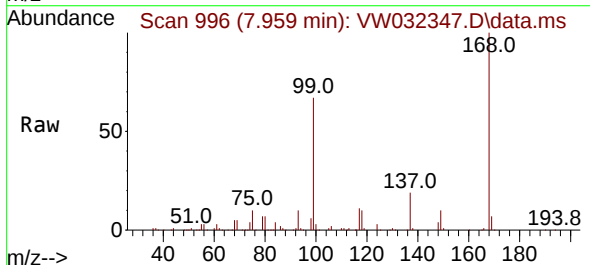
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ClientSampleId :
VNJ-235

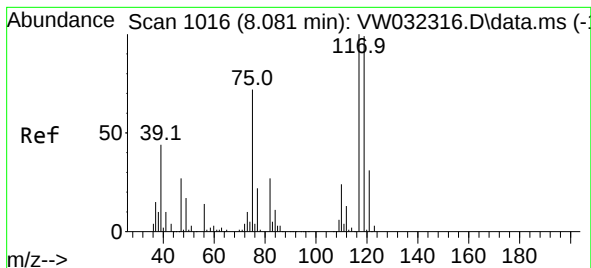
Tgt Ion:113 Resp: 142885
Ion Ratio Lower Upper
113 100
111 105.2 83.9 125.9
192 15.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.567 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion: 75 Resp: 17293
Ion Ratio Lower Upper
75 100
110 7.7 17.5 52.5#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.787 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032347.D

Acq: 03 Oct 2025 12:37

Instrument :

MSVOA_W

ClientSampleId :

VNJ-235

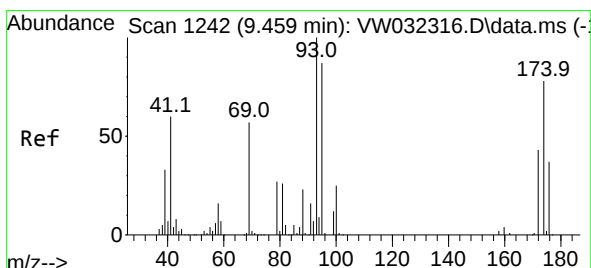
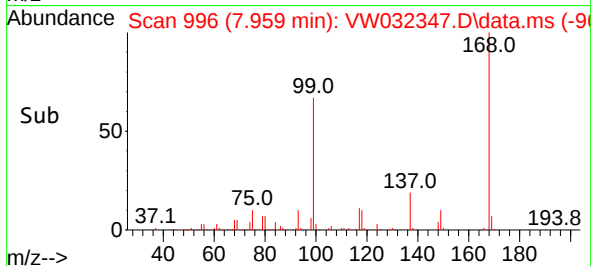
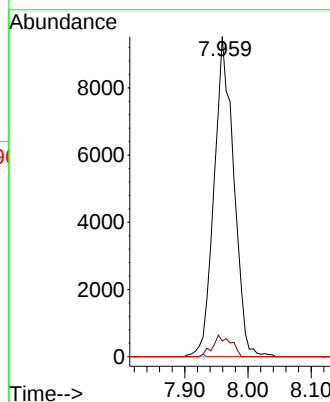
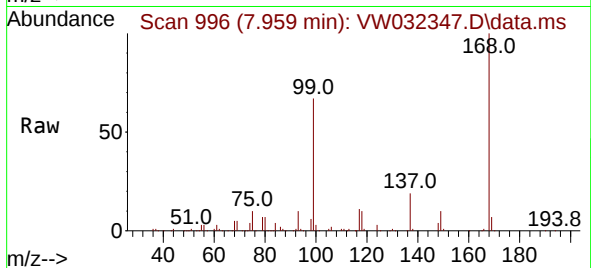
Tgt Ion:117 Resp: 20618

Ion Ratio Lower Upper

117 100

119 4.9 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 1.607 ug/l

RT: 9.398 min Scan# 1232

Delta R.T. -0.061 min

Lab File: VW032347.D

Acq: 03 Oct 2025 12:37

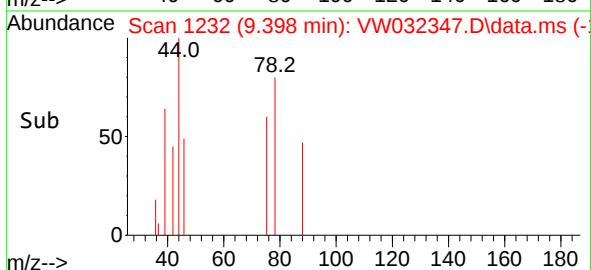
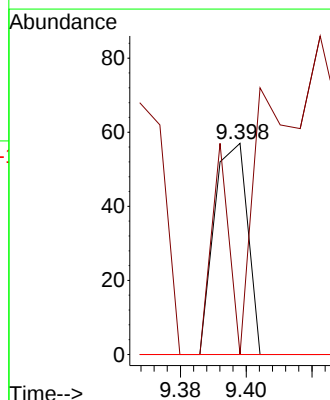
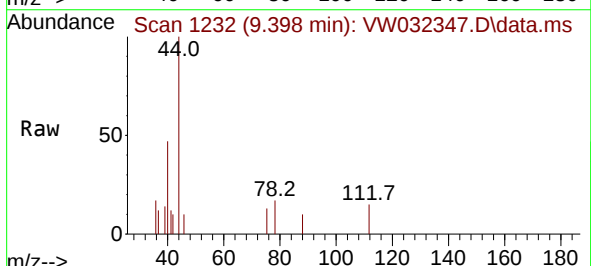
Tgt Ion: 88 Resp: 40

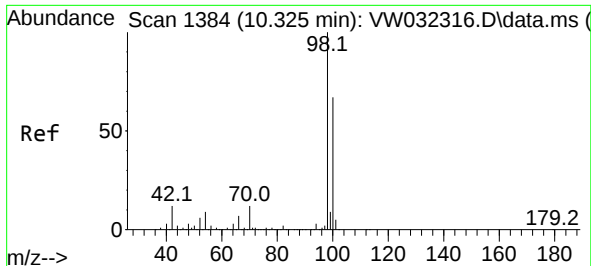
Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 0.0 55.4 83.0#

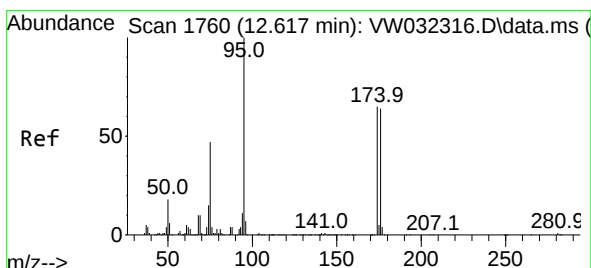
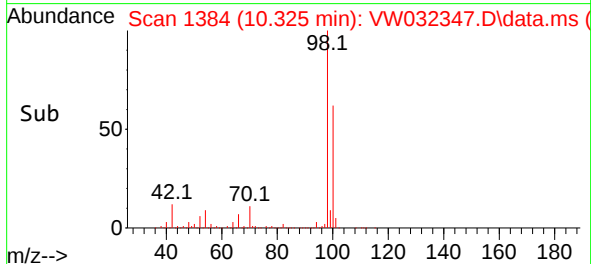
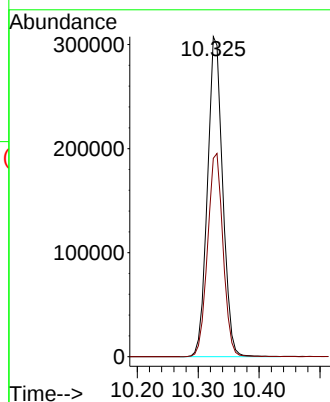
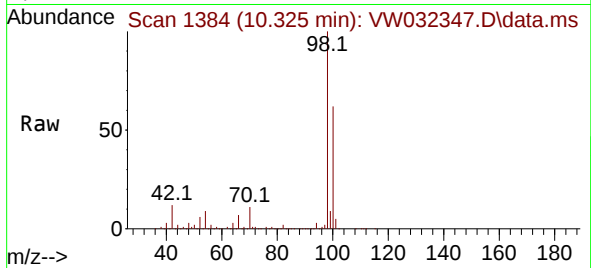




#50
Toluene-d8
Concen: 53.892 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

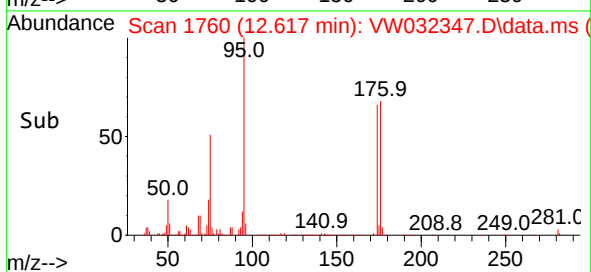
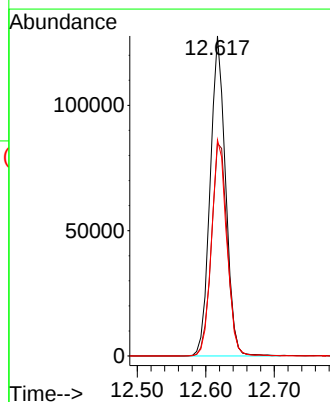
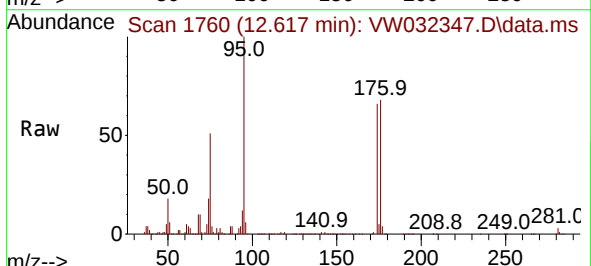
Instrument :
MSVOA_W
ClientSampleId :
VNJ-235

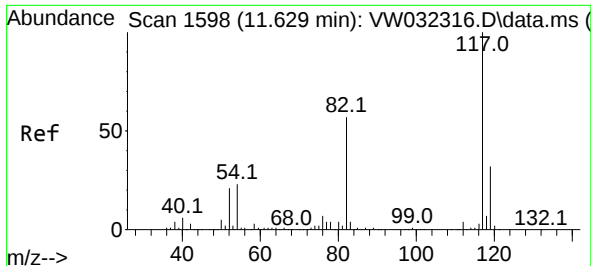
Tgt Ion: 98 Resp: 533604
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 53.266 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion: 95 Resp: 199343
Ion Ratio Lower Upper
95 100
174 68.9 0.0 145.6
176 67.3 0.0 140.8

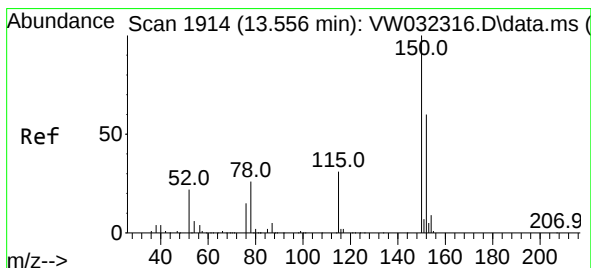
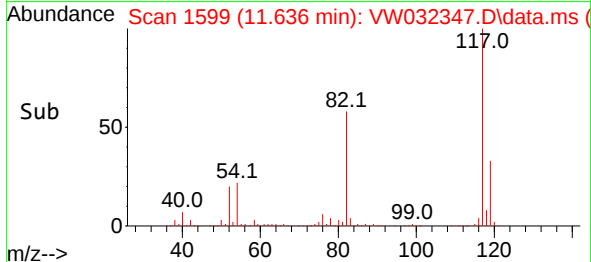
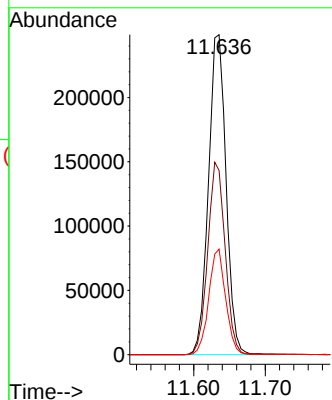
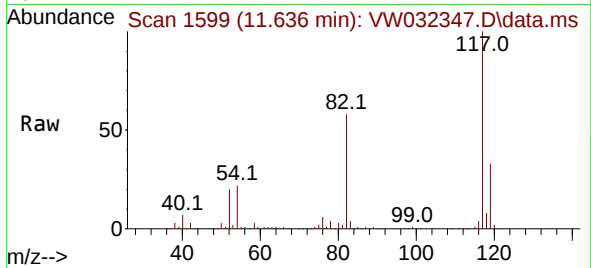




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

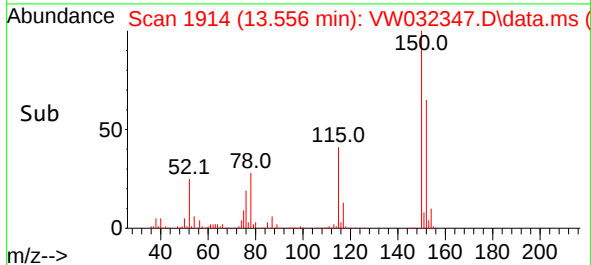
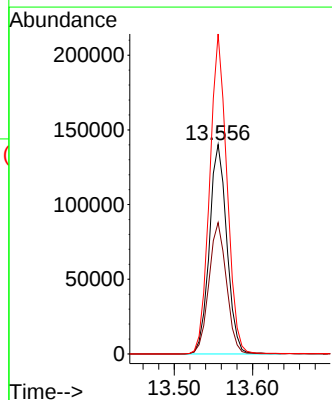
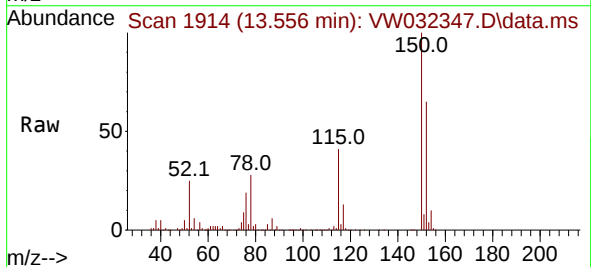
Instrument :
MSVOA_W
ClientSampleId :
VNJ-235

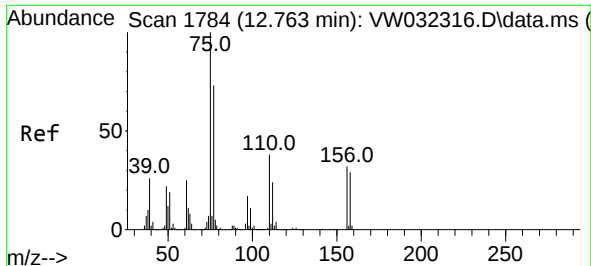
Tgt Ion:117 Resp: 425382
Ion Ratio Lower Upper
117 100
82 57.6 42.7 64.1
119 33.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion:152 Resp: 216557
Ion Ratio Lower Upper
152 100
115 63.3 31.8 95.4
150 151.4 0.0 343.0

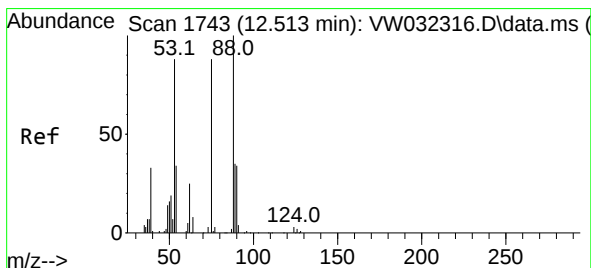
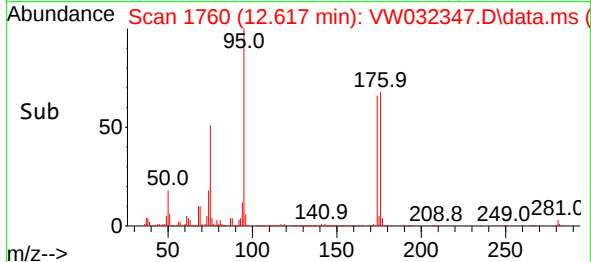
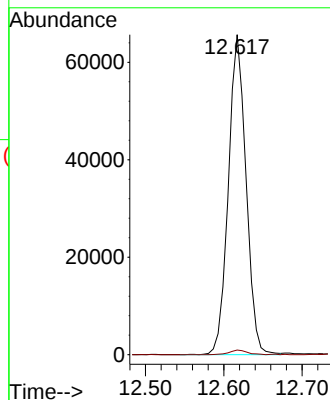
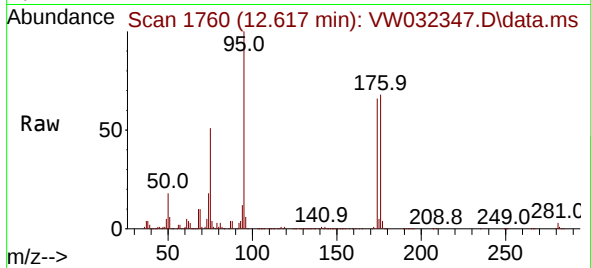




#76
1,2,3-Trichloropropane
Concen: 36.116 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Instrument :
MSVOA_W
ClientSampleId :
VNJ-235

Tgt Ion: 75 Resp: 102923
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.492 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032347.D
Acq: 03 Oct 2025 12:37

Tgt Ion: 75 Resp: 102923
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.0 39.4 59.2#

