

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032464.D
 Acq On : 17 Nov 2025 17:30
 Operator : SY/MD
 Sample : Q3640-01
 Misc : 4.88g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LAW-25-0179

Quant Time: Nov 18 03:07:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

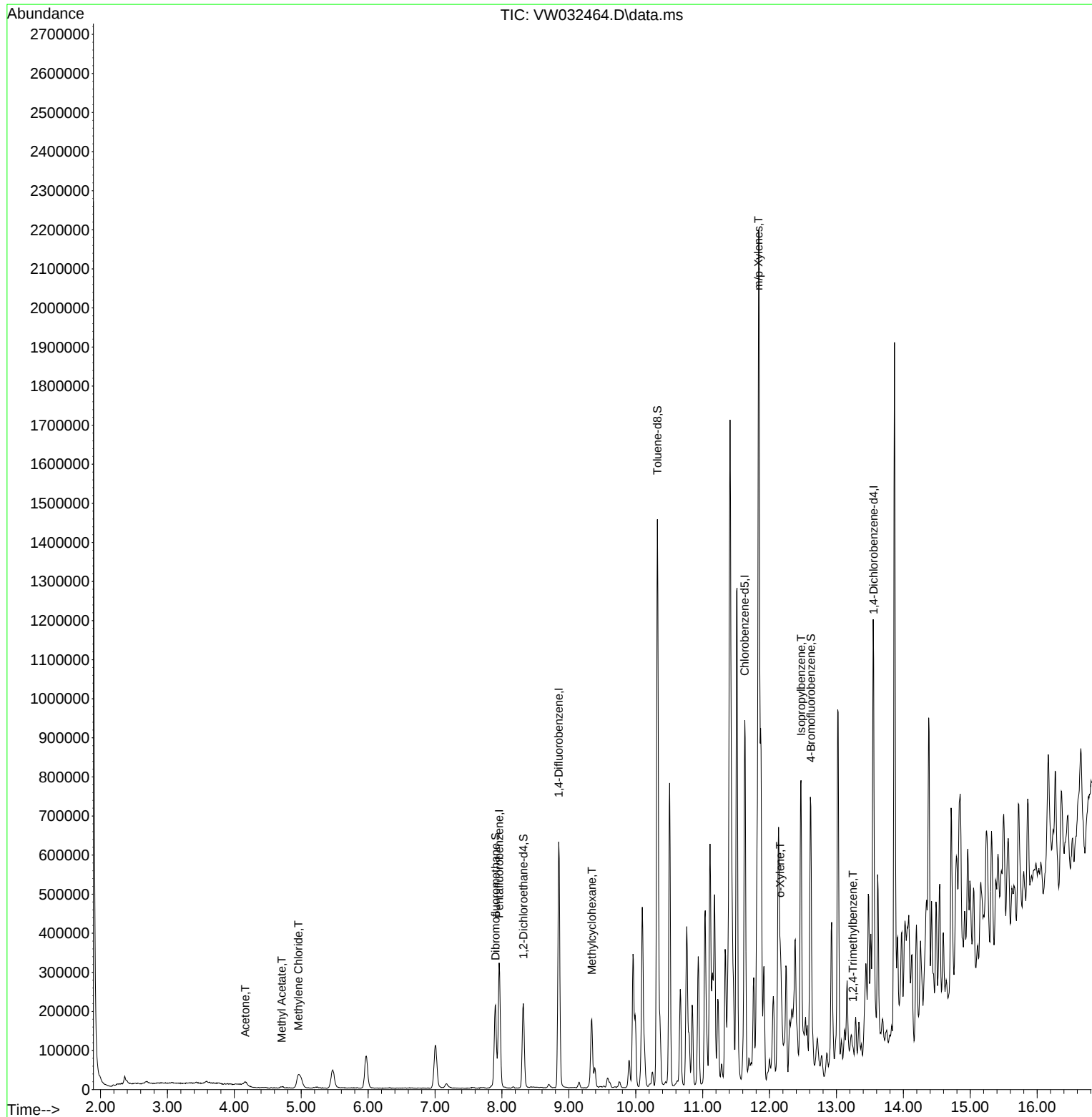
Internal Standards						
1) Pentafluorobenzene	7.959	168	224079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	526624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	531377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	197643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177020	61.276	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 122.560%		
35) Dibromofluoromethane	7.904	113	160547	50.918	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.840%		
50) Toluene-d8	10.325	98	613536	50.722	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.440%		
62) 4-Bromofluorobenzene	12.617	95	212576	46.522	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 93.040%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	12889	14.913	ug/l #	83
18) Methyl Acetate	4.710	43	8688	4.059	ug/l	99
20) Methylene Chloride	4.960	84	26201	8.477	ug/l	99
39) Methylcyclohexane	9.343	83	59901	9.953	ug/l #	84
68) m/p-Xylenes	11.837	106	25732	3.458	ug/l	89
69) o-Xylene	12.160	106	17703	2.485	ug/l	95
73) Isopropylbenzene	12.471	105	31278	2.155	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.245	105	22453	1.843	ug/l	93

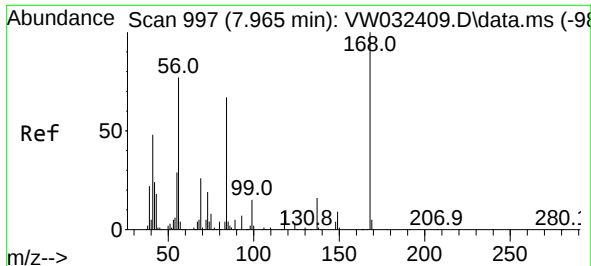
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
Data File : VW032464.D
Acq On : 17 Nov 2025 17:30
Operator : SY/MD
Sample : Q3640-01
Misc : 4.88g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0179

Quant Time: Nov 18 03:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

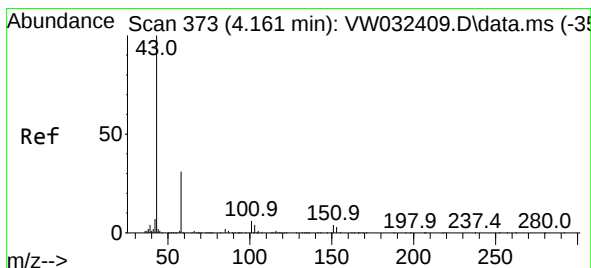
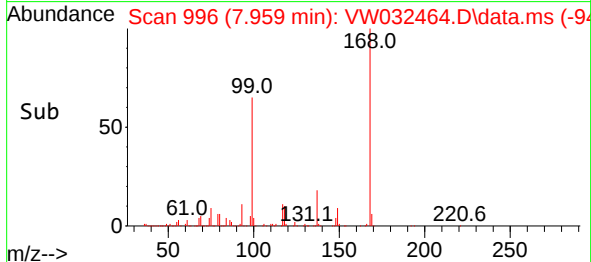
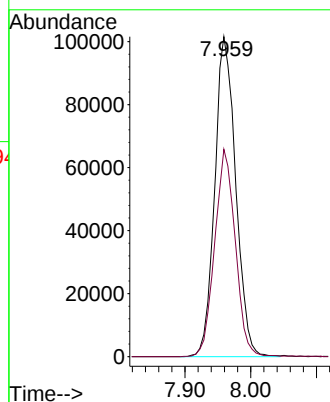
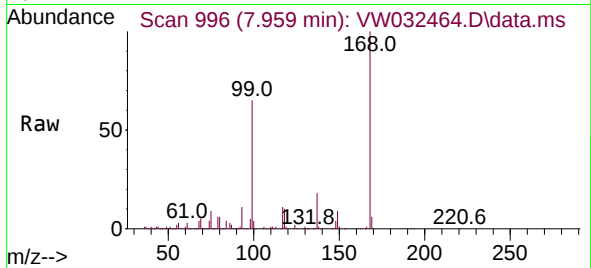




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

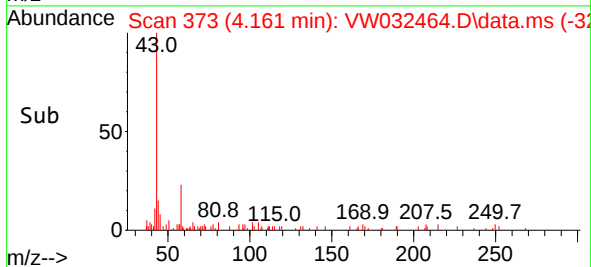
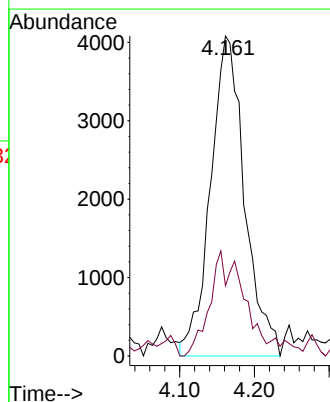
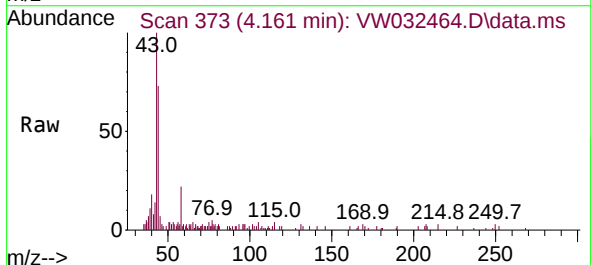
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0179

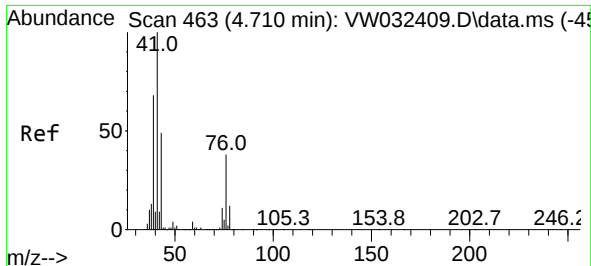
Tgt Ion:168 Resp: 224079
Ion Ratio Lower Upper
168 100
99 64.8 45.4 68.2



#16
Acetone
Concen: 14.913 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

Tgt Ion: 43 Resp: 12889
Ion Ratio Lower Upper
43 100
58 21.9 24.8 37.2#

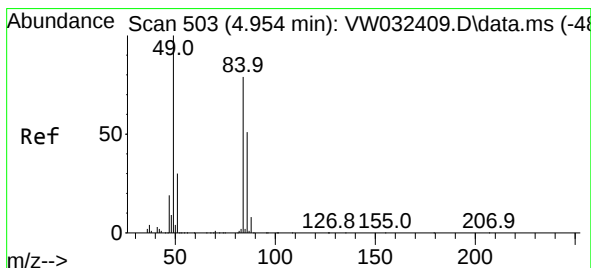
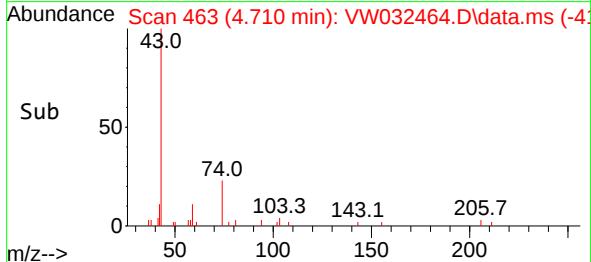
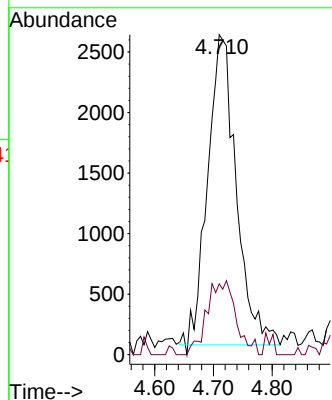
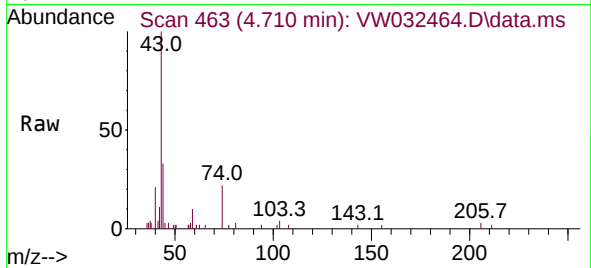




#18
Methyl Acetate
Concen: 4.059 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

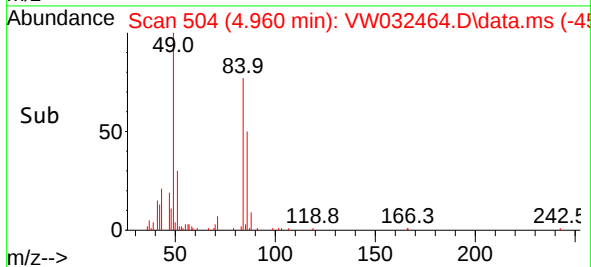
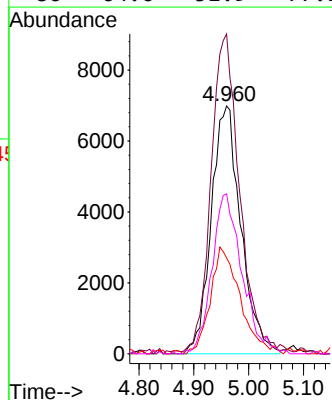
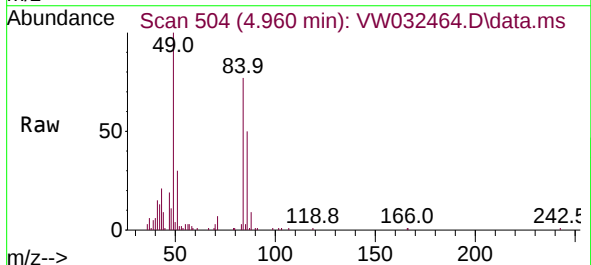
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0179

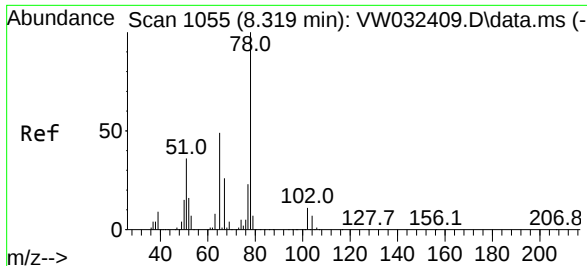
Tgt Ion: 43 Resp: 8688
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3



#20
Methylene Chloride
Concen: 8.477 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

Tgt Ion: 84 Resp: 26201
Ion Ratio Lower Upper
84 100
49 128.1 101.5 152.3
51 37.8 30.6 46.0
86 64.6 51.9 77.9

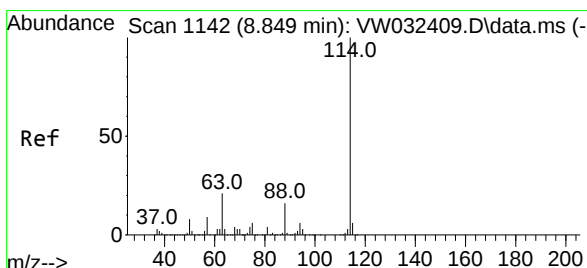
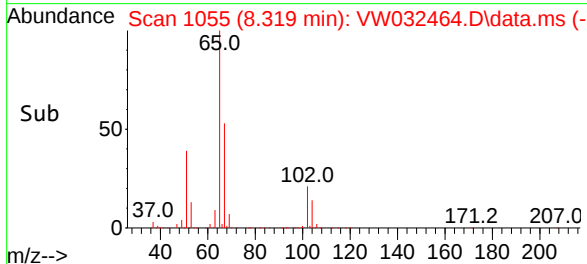
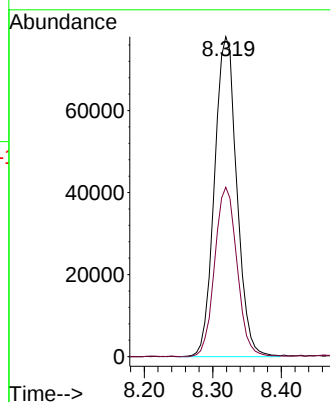
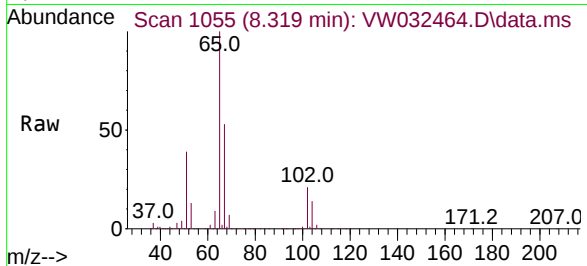




#33
 1,2-Dichloroethane-d4
 Concen: 61.276 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032464.D
 Acq: 17 Nov 2025 17:30

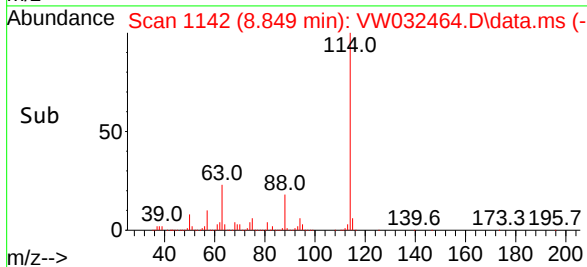
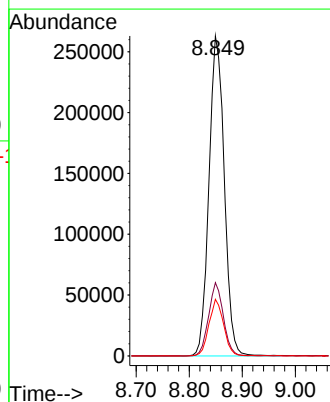
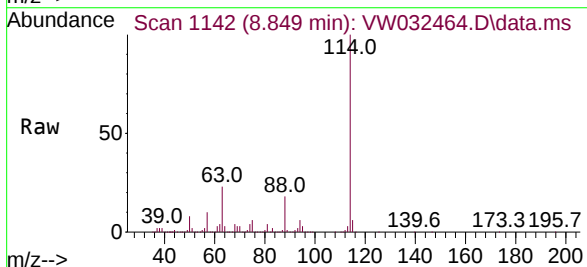
Instrument :
 MSVOA_W
 ClientSampleId :
 LAW-25-0179

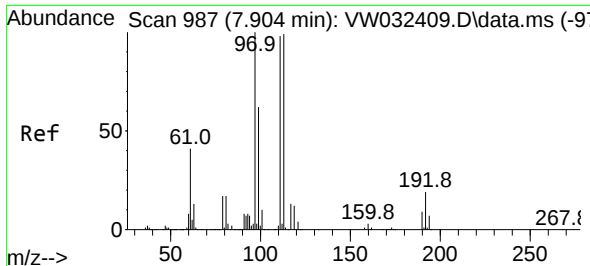
Tgt Ion: 65 Resp: 177020
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032464.D
 Acq: 17 Nov 2025 17:30

Tgt Ion: 114 Resp: 526624
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 41.8
 88 17.7 0.0 32.6

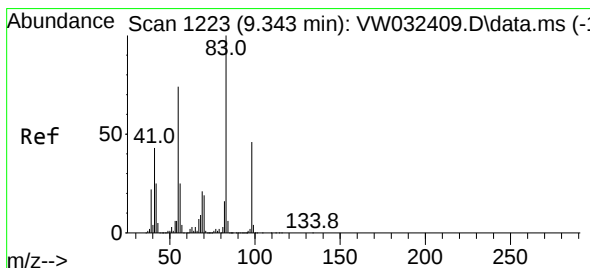
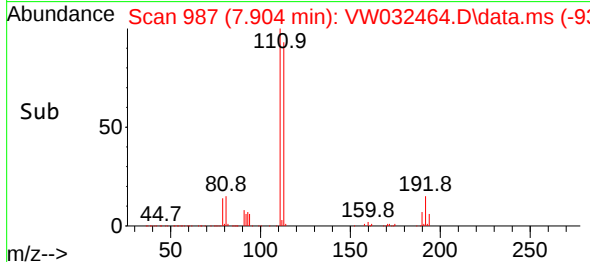
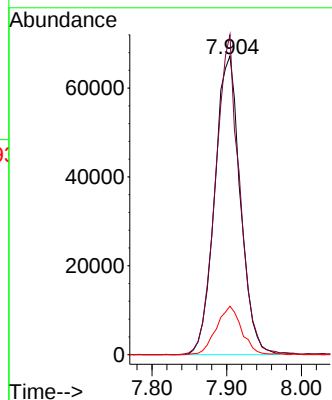
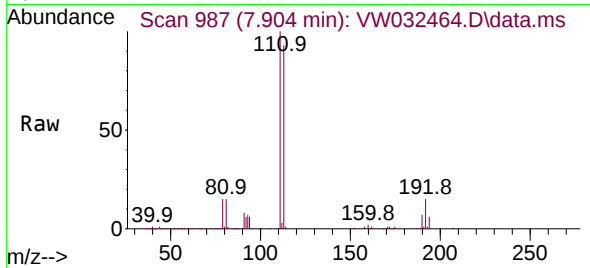




#35
Dibromofluoromethane
Concen: 50.918 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

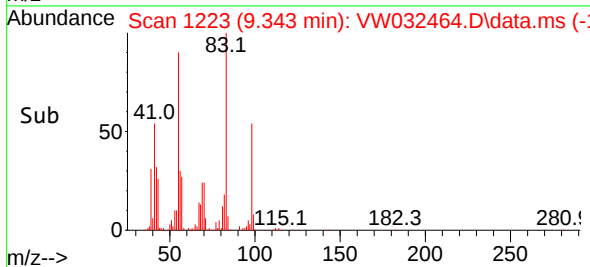
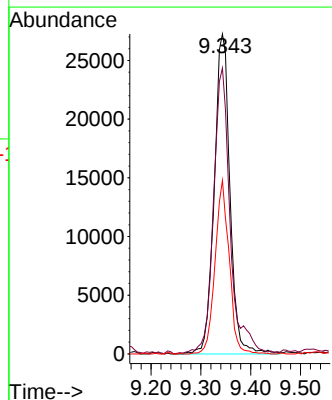
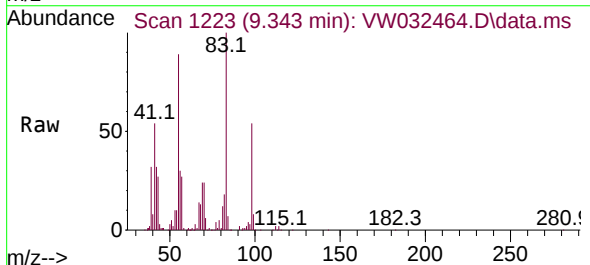
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0179

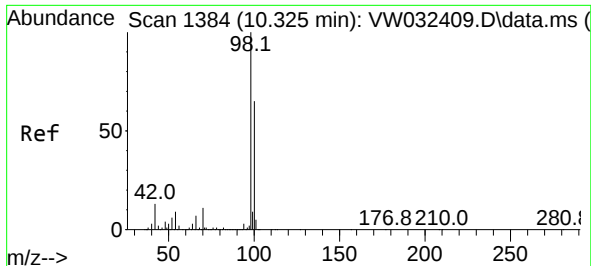
Tgt Ion:113 Resp: 160547
Ion Ratio Lower Upper
113 100
111 100.8 83.1 124.7
192 16.0 13.4 20.2



#39
Methylcyclohexane
Concen: 9.953 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

Tgt Ion: 83 Resp: 59901
Ion Ratio Lower Upper
83 100
55 89.0 59.2 88.8#
98 54.0 36.6 54.8

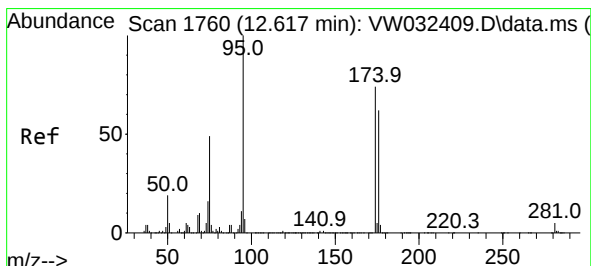
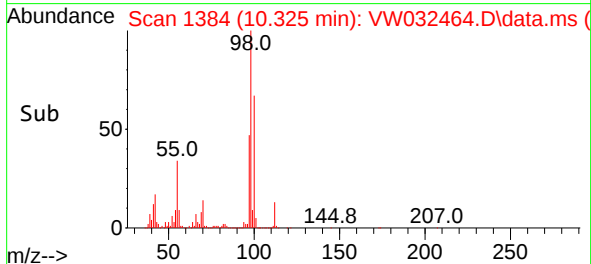
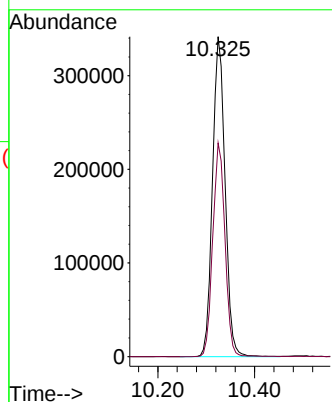
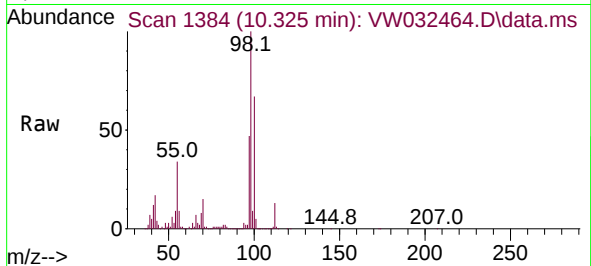




#50
Toluene-d8
Concen: 50.722 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

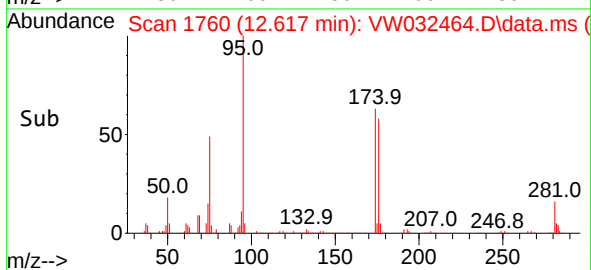
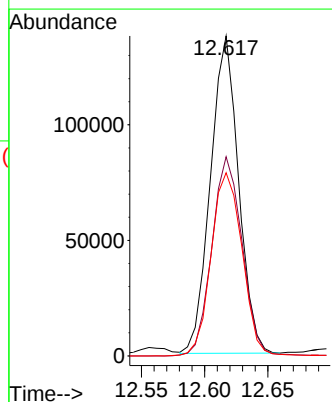
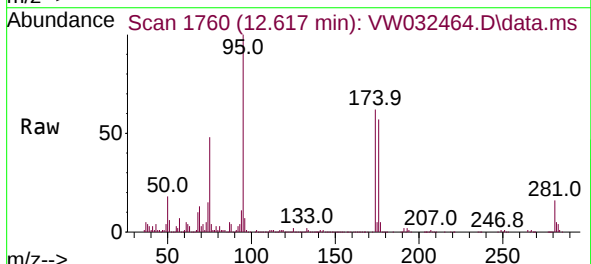
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0179

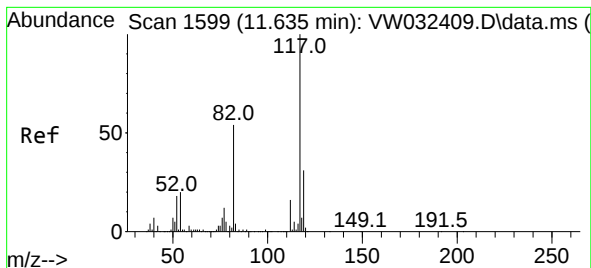
Tgt Ion: 98 Resp: 613536
Ion Ratio Lower Upper
98 100
100 65.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.522 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

Tgt Ion: 95 Resp: 212576
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.4
176 63.7 0.0 131.8

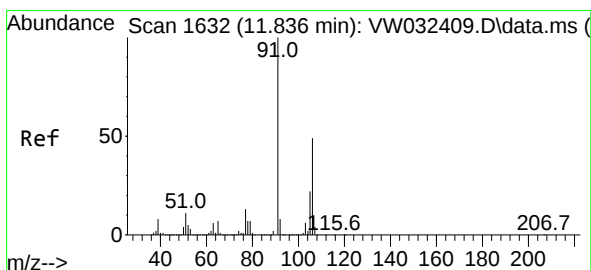
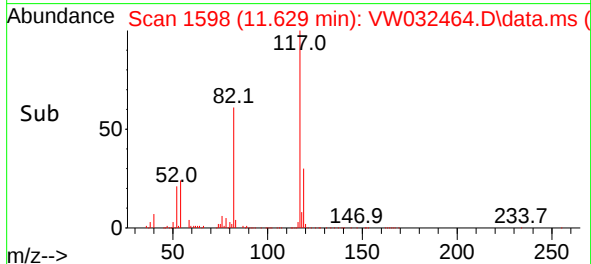
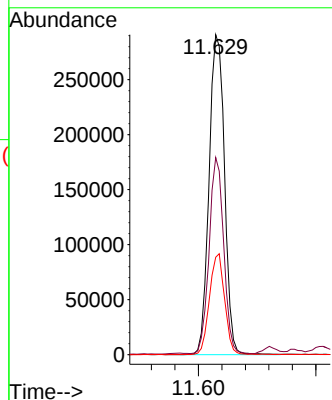
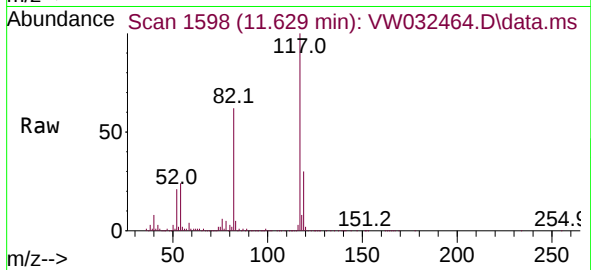




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

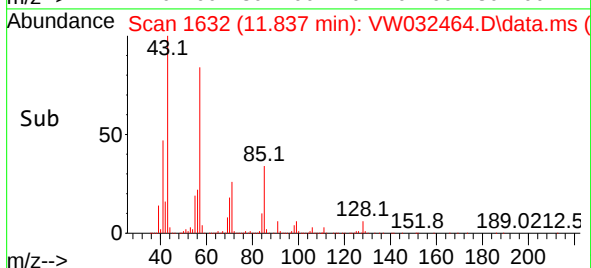
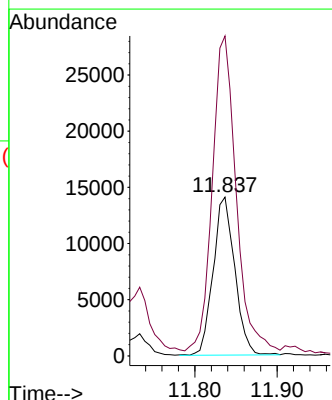
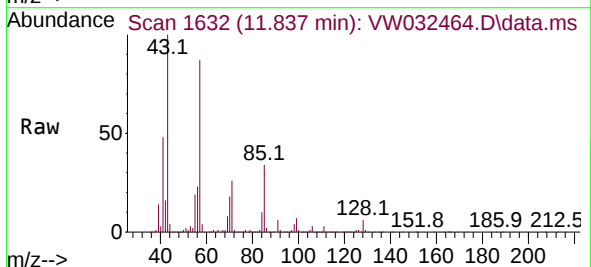
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0179

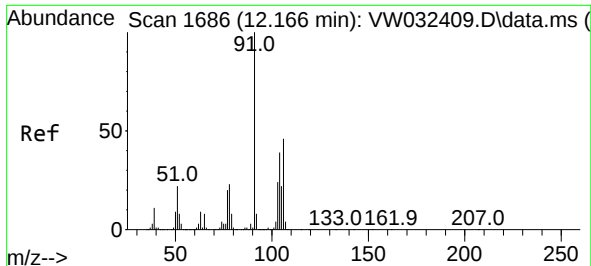
Tgt Ion:117 Resp: 531377
Ion Ratio Lower Upper
117 100
82 61.1 43.0 64.4
119 30.4 25.0 37.6



#68
m/p-Xylenes
Concen: 3.458 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

Tgt Ion:106 Resp: 25732
Ion Ratio Lower Upper
106 100
91 223.8 165.5 248.3

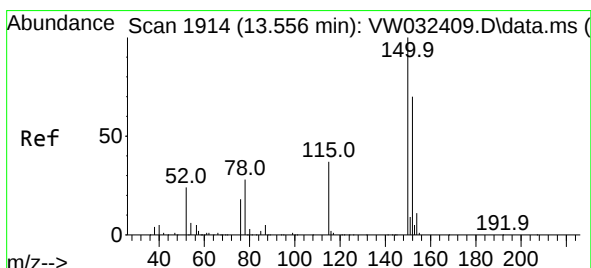
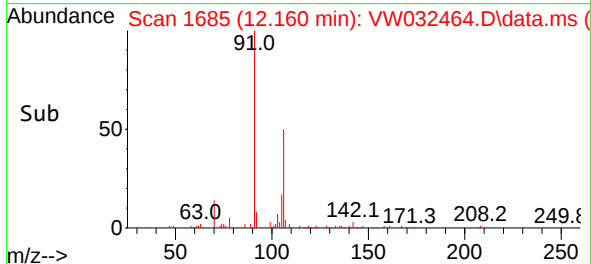
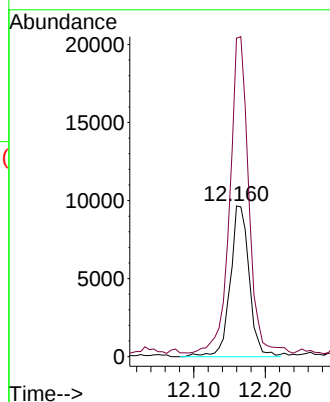
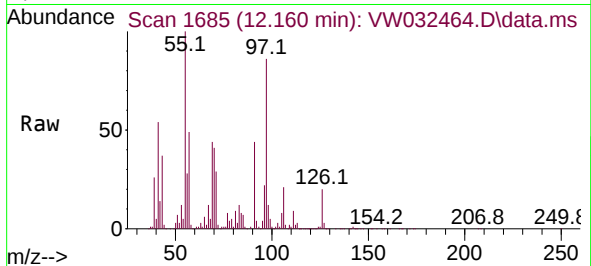




#69
o-Xylene
Concen: 2.485 ug/l
RT: 12.160 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

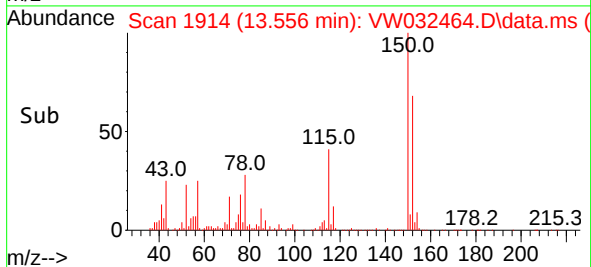
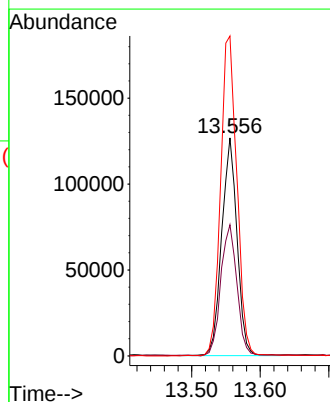
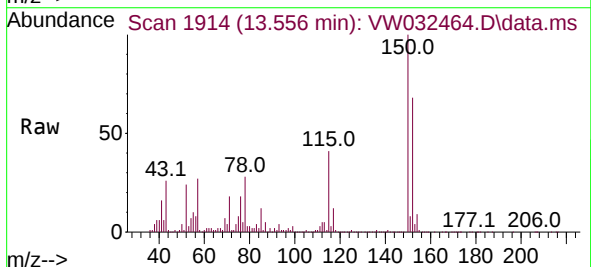
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0179

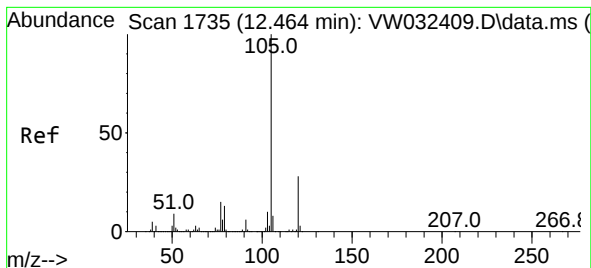
Tgt Ion:106 Resp: 17703
Ion Ratio Lower Upper
106 100
91 210.1 109.3 327.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032464.D
Acq: 17 Nov 2025 17:30

Tgt Ion:152 Resp: 197643
Ion Ratio Lower Upper
152 100
115 63.4 32.8 98.3
150 155.2 0.0 356.6





#73

Isopropylbenzene

Concen: 2.155 ug/l

RT: 12.471 min Scan# 1736

Delta R.T. 0.006 min

Lab File: VW032464.D

Acq: 17 Nov 2025 17:30

Instrument :

MSVOA_W

ClientSampleId :

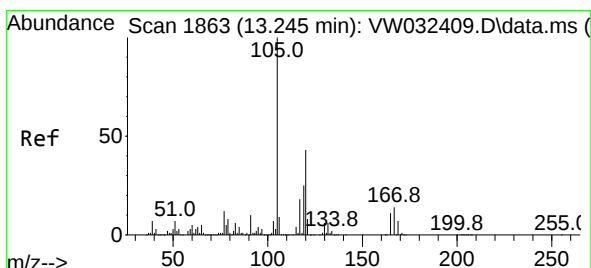
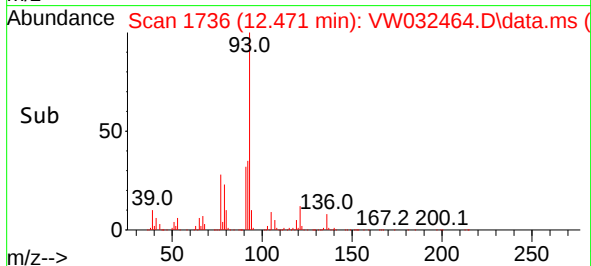
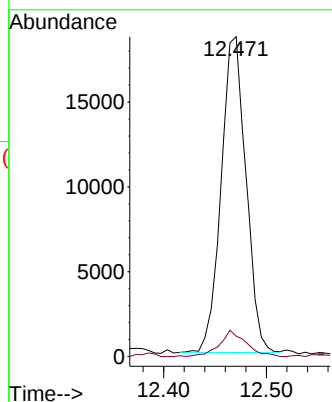
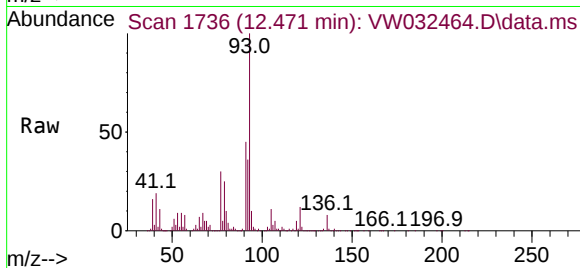
LAW-25-0179

Tgt Ion:105 Resp: 31278

Ion Ratio Lower Upper

105 100

120 8.9 13.2 39.5#



#84

1,2,4-Trimethylbenzene

Concen: 1.843 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW032464.D

Acq: 17 Nov 2025 17:30

Tgt Ion:105 Resp: 22453

Ion Ratio Lower Upper

105 100

120 49.1 22.1 66.5

