

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032478.D
 Acq On : 18 Nov 2025 14:02
 Operator : SY/MD
 Sample : Q3640-03
 Misc : 3.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LAW-25-0182

Quant Time: Nov 19 00:27:36 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)

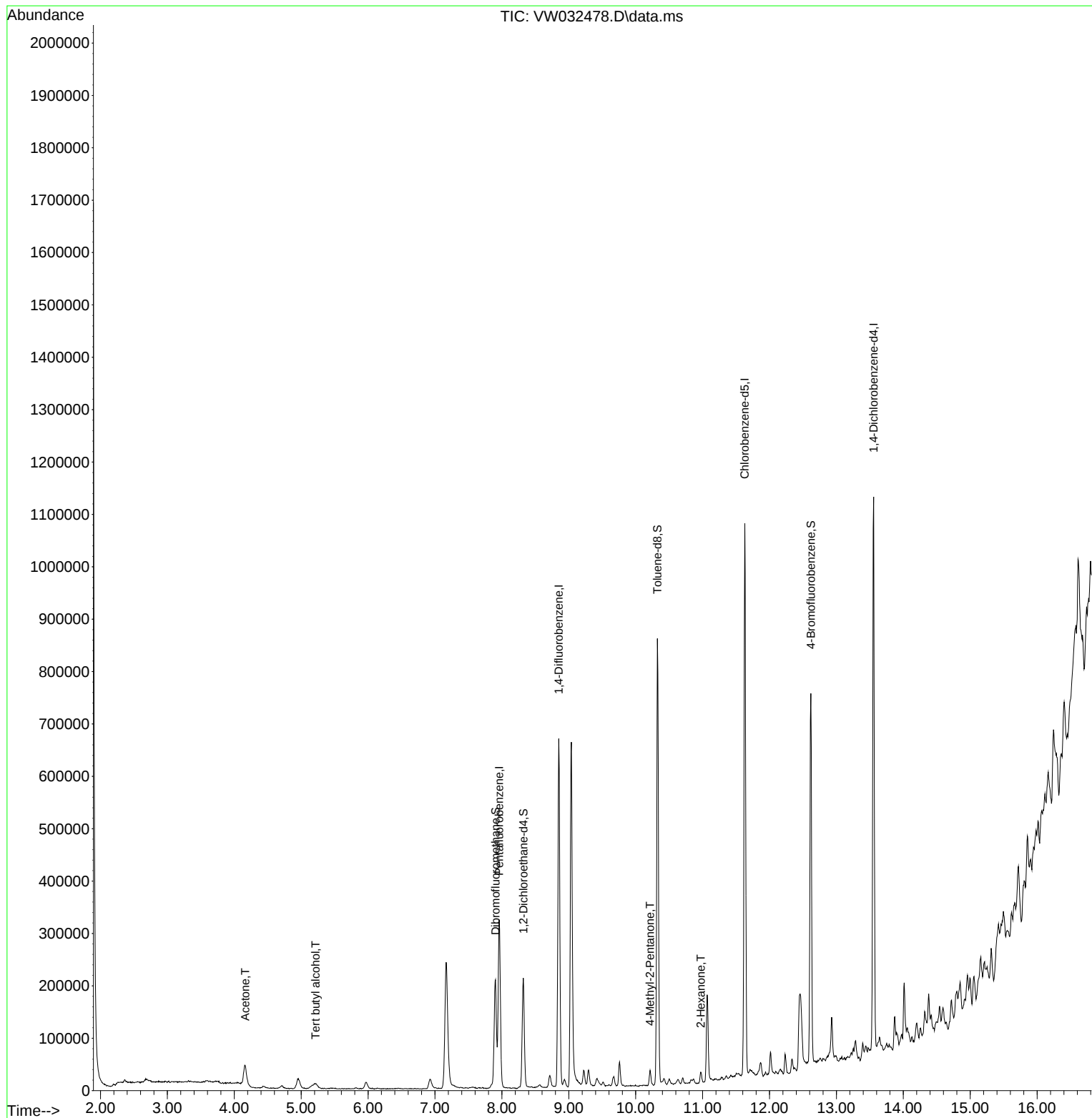
Internal Standards						
1) Pentafluorobenzene	7.959	168	232962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	548165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	576623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	269182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	166410	55.407	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.820%
35) Dibromofluoromethane	7.905	113	156840	47.788	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.580%
50) Toluene-d8	10.325	98	569353	45.220	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.440%
62) 4-Bromofluorobenzene	12.617	95	261599	55.000	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	110.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	22336	86.005	ug/l	99
16) Acetone	4.161	43	65521	72.918	ug/l	94
51) 4-Methyl-2-Pentanone	10.215	43	20781	5.904	ug/l	98
59) 2-Hexanone	10.971	43	15672	6.086	ug/l	96

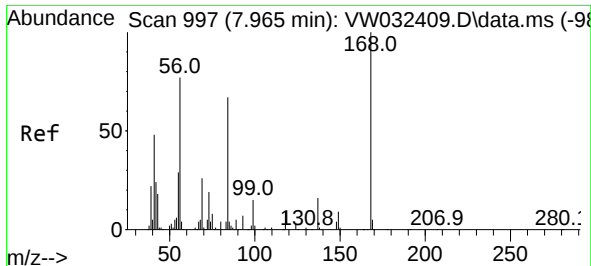
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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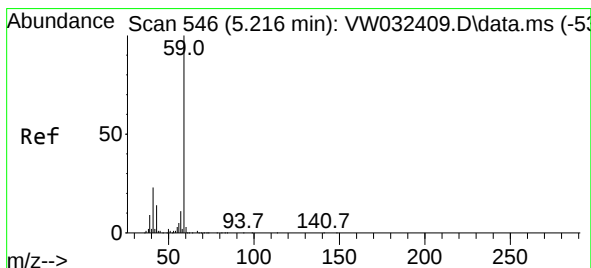
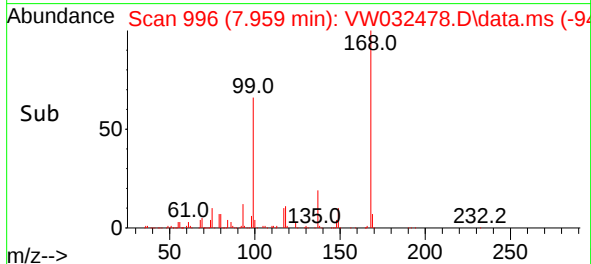
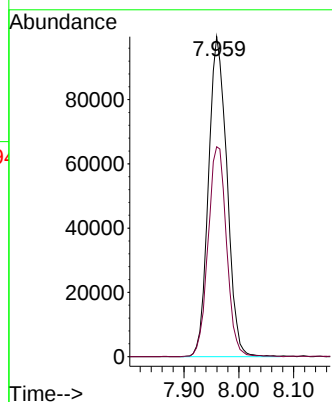
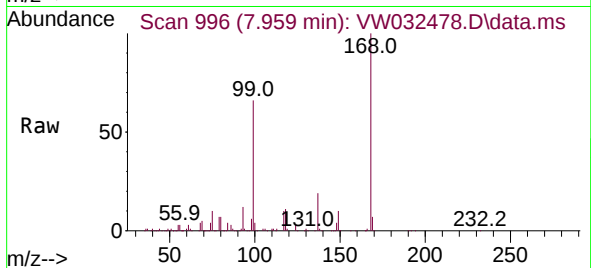




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

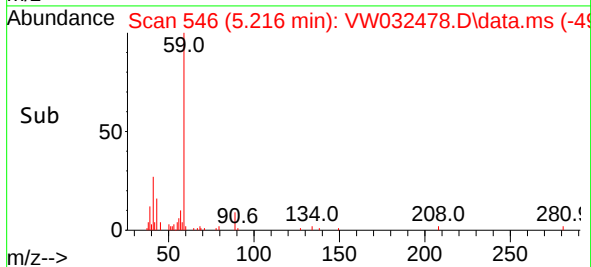
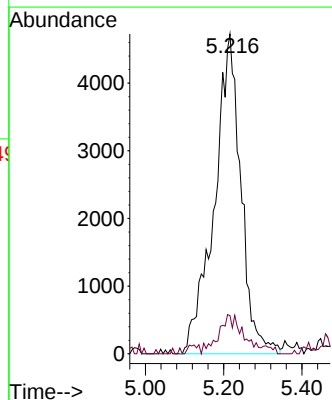
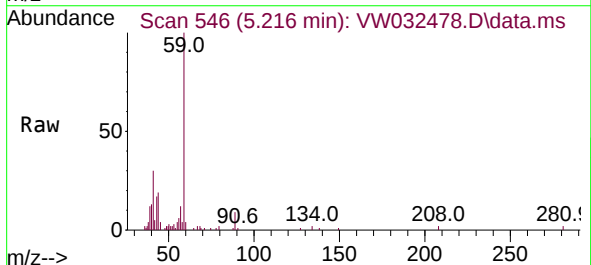
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0182

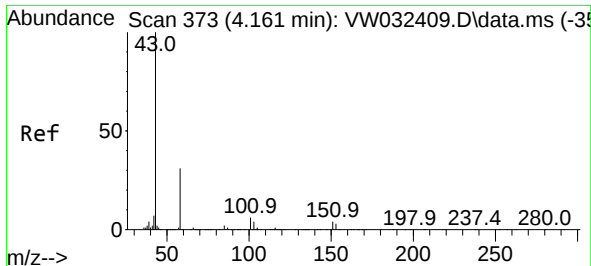
Tgt Ion:168 Resp: 232962
Ion Ratio Lower Upper
168 100
99 65.6 45.4 68.2



#11
Tert butyl alcohol
Concen: 86.005 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

Tgt Ion: 59 Resp: 22336
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

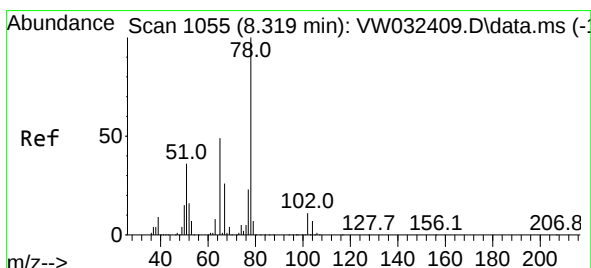
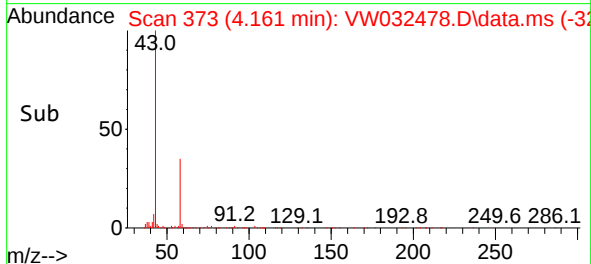
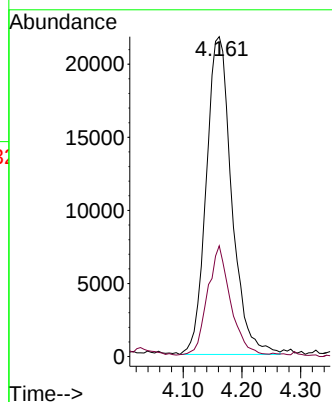
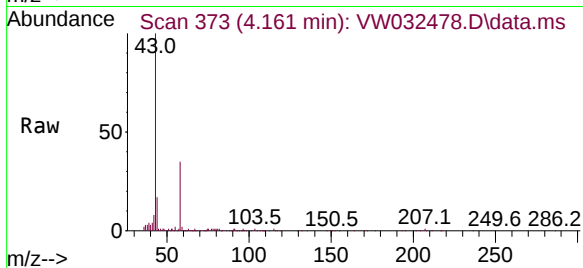




#16
Acetone
Concen: 72.918 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

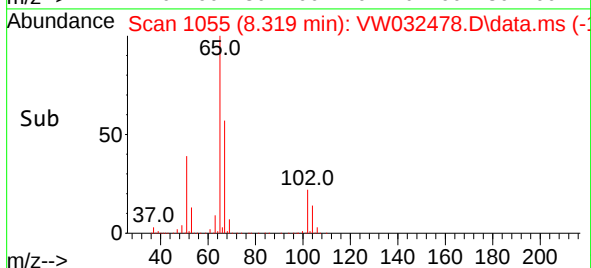
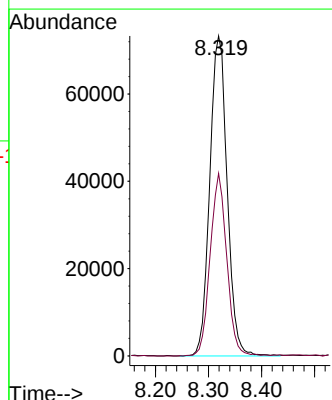
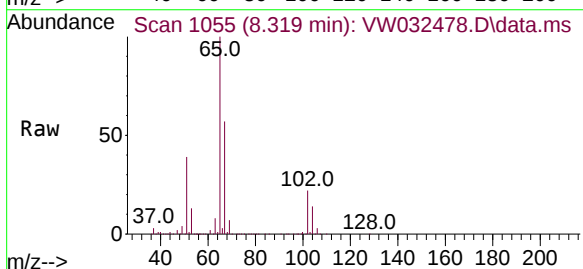
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0182

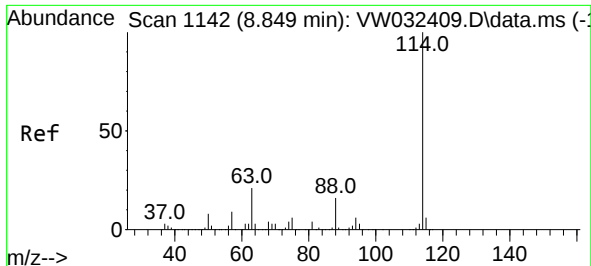
Tgt Ion: 43 Resp: 65521
Ion Ratio Lower Upper
43 100
58 34.3 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 55.407 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

Tgt Ion: 65 Resp: 166410
Ion Ratio Lower Upper
65 100
67 54.5 0.0 106.8

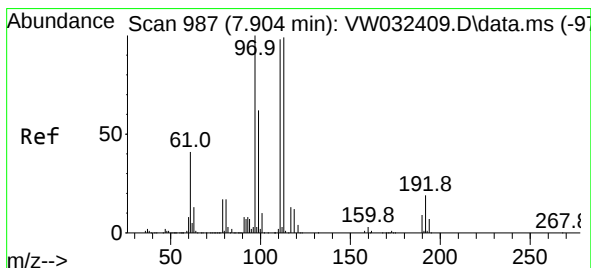
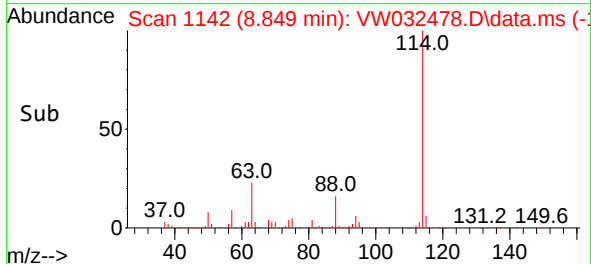
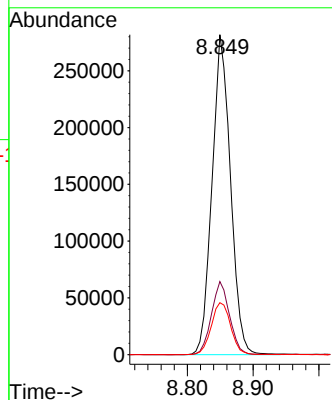
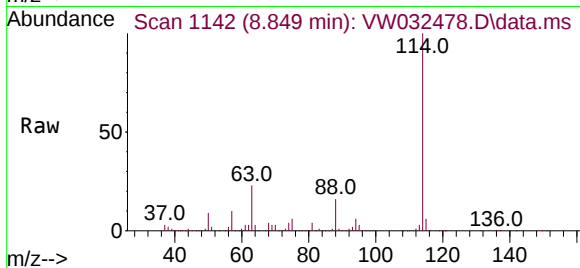




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

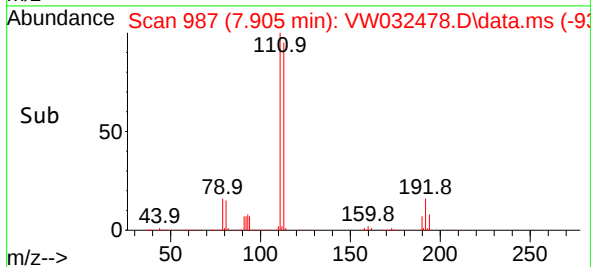
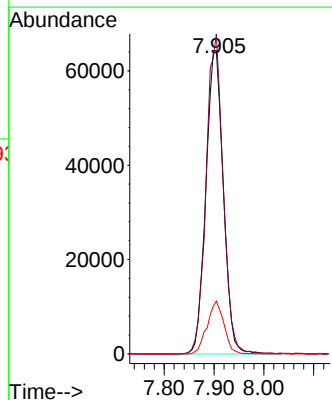
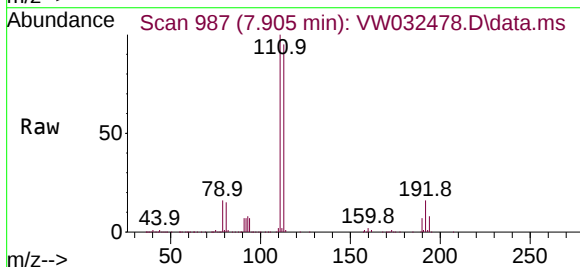
Instrument :
MSVOA_W
ClientSampleId :
LAW-25-0182

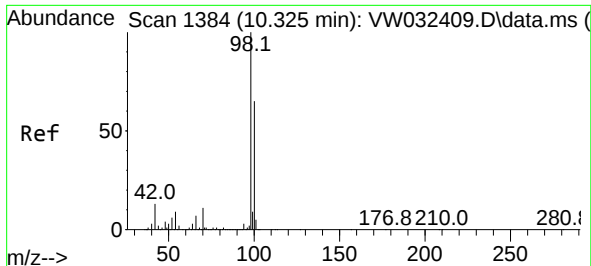
Tgt Ion:114 Resp: 548165
Ion Ratio Lower Upper
114 100
63 22.8 0.0 41.8
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.788 ug/l
RT: 7.905 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

Tgt Ion:113 Resp: 156840
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 16.8 13.4 20.2

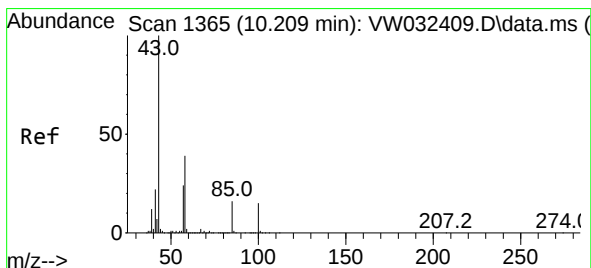
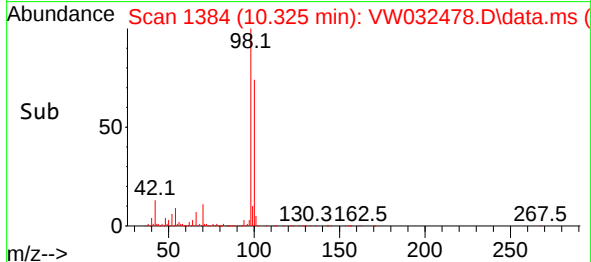
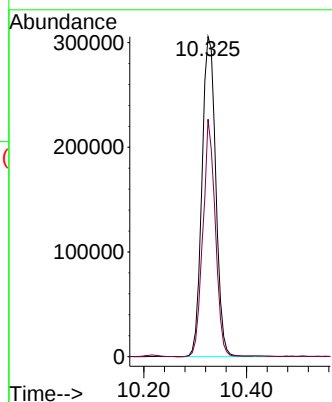
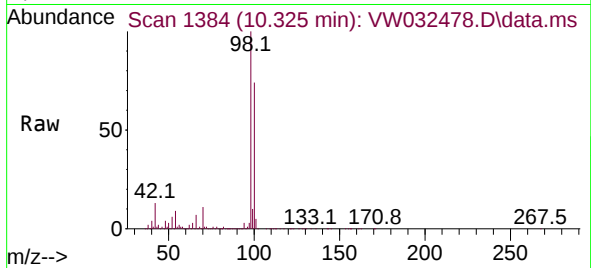




#50
Toluene-d8
Concen: 45.220 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

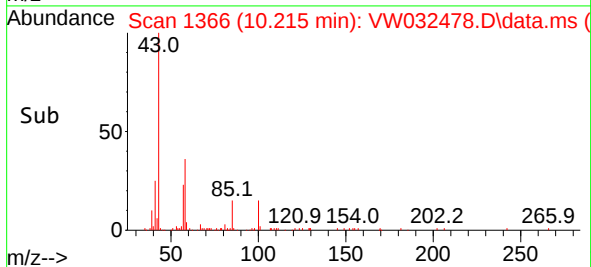
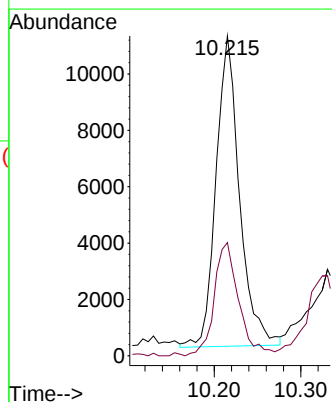
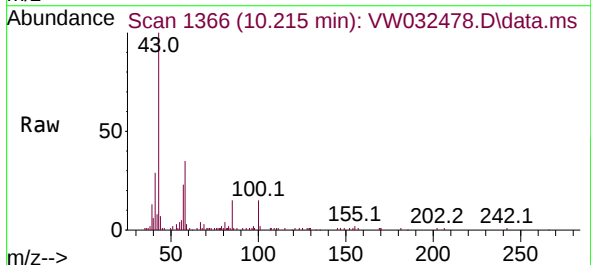
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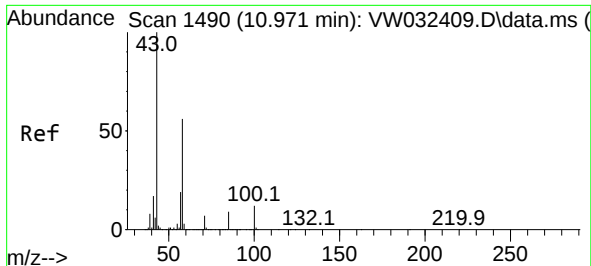
Tgt Ion: 98 Resp: 569353
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 5.904 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.006 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

Tgt Ion: 43 Resp: 20781
Ion Ratio Lower Upper
43 100
58 38.0 31.4 47.2

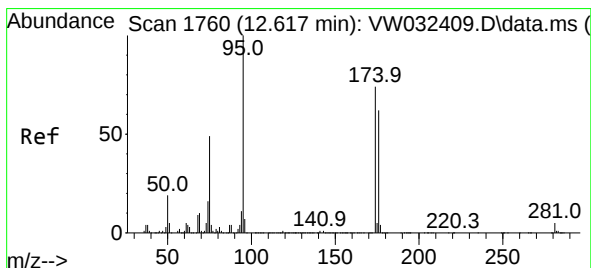
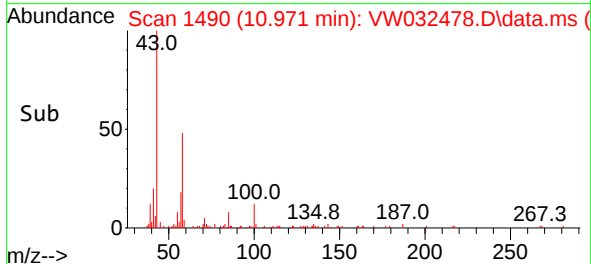
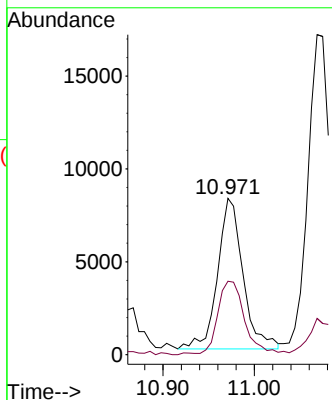
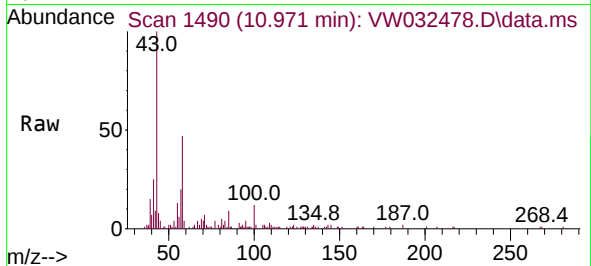




#59
2-Hexanone
Concen: 6.086 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

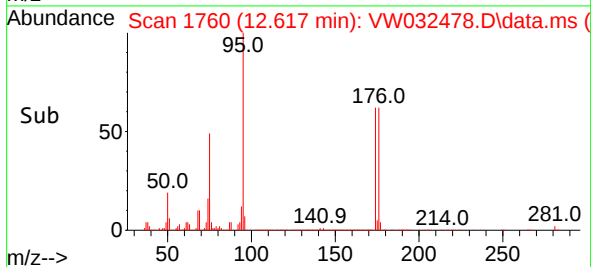
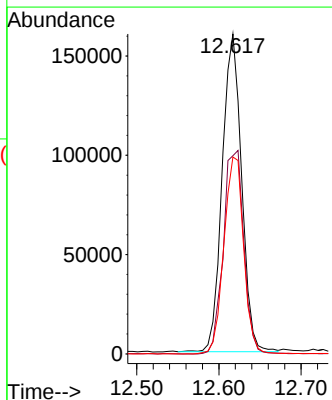
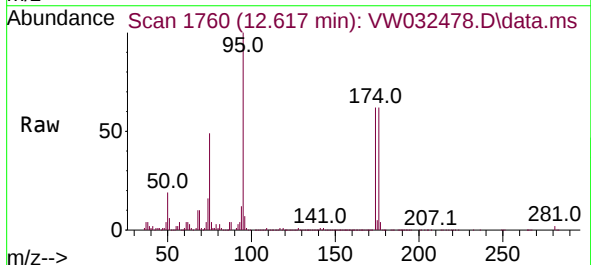
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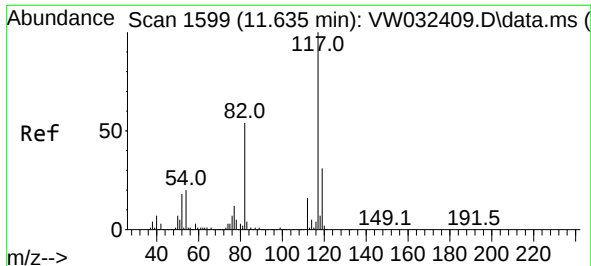
Tgt Ion: 43 Resp: 15672
Ion Ratio Lower Upper
43 100
58 52.1 27.4 82.2



#62
4-Bromofluorobenzene
Concen: 55.000 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

Tgt Ion: 95 Resp: 261599
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.4
176 63.3 0.0 131.8

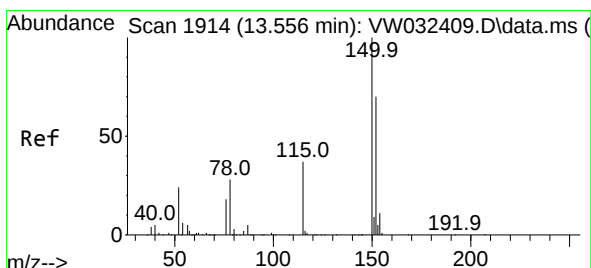
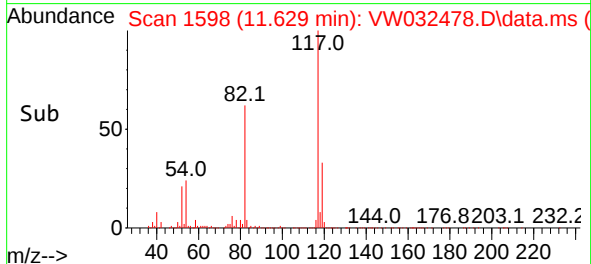
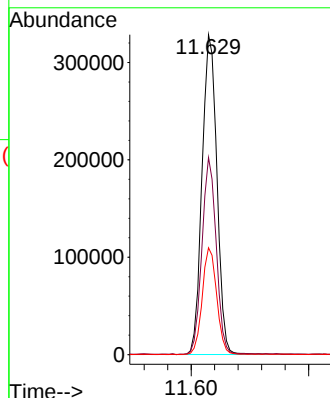
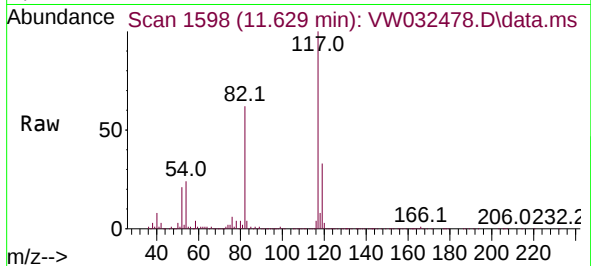




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 576623
Ion Ratio Lower Upper
117 100
82 61.4 43.0 64.4
119 33.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032478.D
Acq: 18 Nov 2025 14:02

Tgt Ion:152 Resp: 269182
Ion Ratio Lower Upper
152 100
115 66.1 32.8 98.3
150 160.0 0.0 356.6

