

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039321.D
 Acq On : 04 Nov 2025 17:47
 Operator : SY/MD
 Sample : Q3534-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-6

Quant Time: Nov 05 00:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

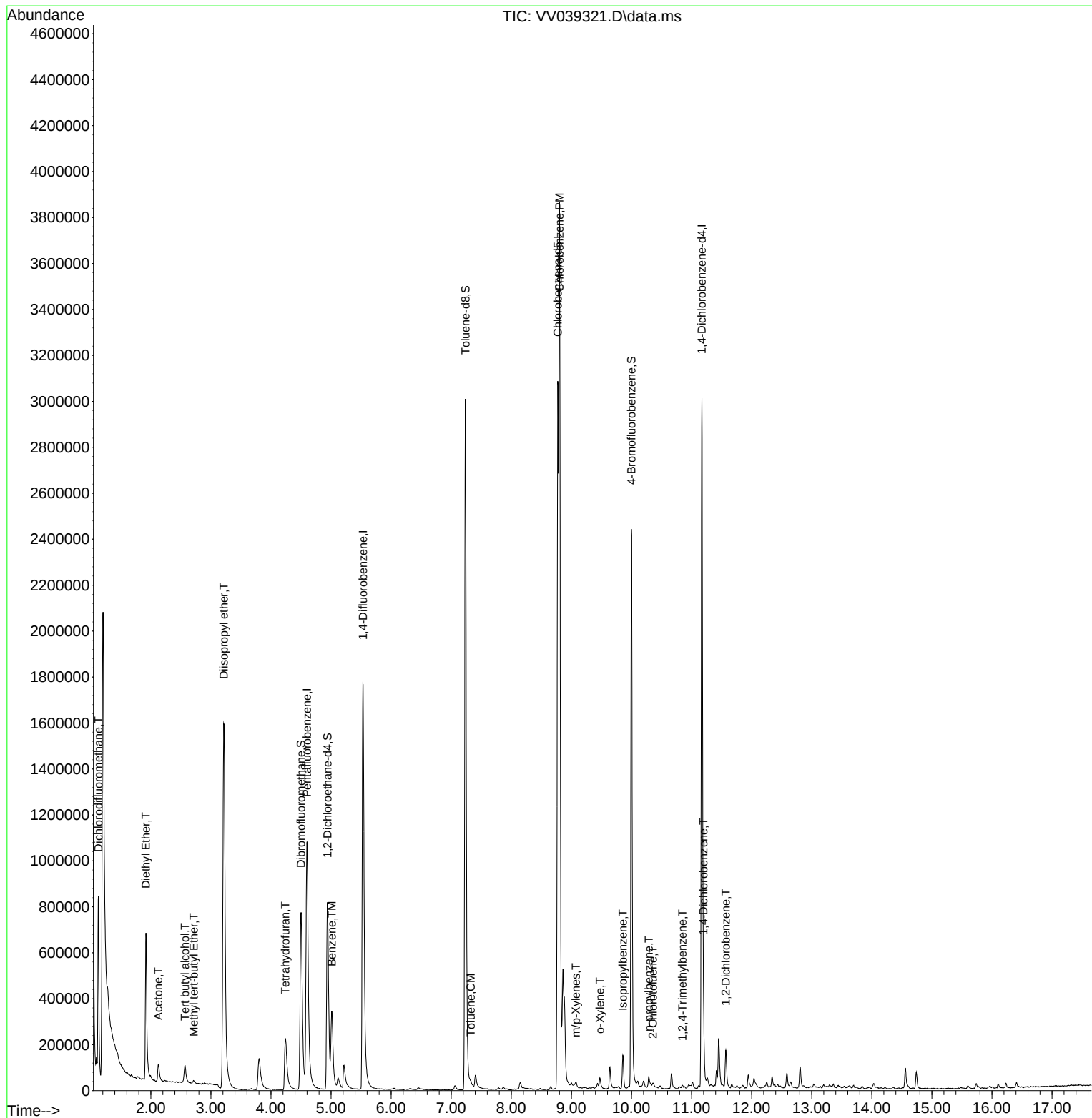
Internal Standards						
1) Pentafluorobenzene	4.600	168	952955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1749359	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1614553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	779349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	720522	53.211	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 106.420%	
35) Dibromofluoromethane	4.500	113	647859	47.002	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 94.000%	
50) Toluene-d8	7.236	98	2110762	45.014	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 90.020%	
62) 4-Bromofluorobenzene	9.998	95	804695	48.186	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 96.380%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	13923	1.156	ug/l	90
8) Diethyl Ether	1.918	74	265703	33.643	ug/l	100
11) Tert butyl alcohol	2.568	59	64568	24.605	ug/l #	94
16) Acetone	2.124	43	82619	2.962	ug/l	98
19) Methyl tert-butyl Ether	2.715	73	12425	0.321	ug/l #	87
22) Diisopropyl ether	3.214	45	1713202	46.846	ug/l #	32
29) Tetrahydrofuran	4.240	42	189743	35.836	ug/l	98
40) Benzene	5.011	78	384536	6.922	ug/l	100
52) Toluene	7.326	92	9429	0.281	ug/l	90
65) Chlorobenzene	8.802	112	2091639	54.724	ug/l	99
68) m/p-Xylenes	9.075	106	7810	0.350	ug/l	97
69) o-Xylene	9.474	106	13414	0.680	ug/l	100
73) Isopropylbenzene	9.857	105	93652	1.979	ug/l	98
78) n-propylbenzene	10.288	91	14925	0.260	ug/l	93
79) 2-Chlorotoluene	10.358	91	13979	0.394	ug/l	98
84) 1,2,4-Trimethylbenzene	10.850	105	8227	0.211	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	118949	4.096	ug/l	92
91) 1,2-Dichlorobenzene	11.570	146	68077	2.758	ug/l	99

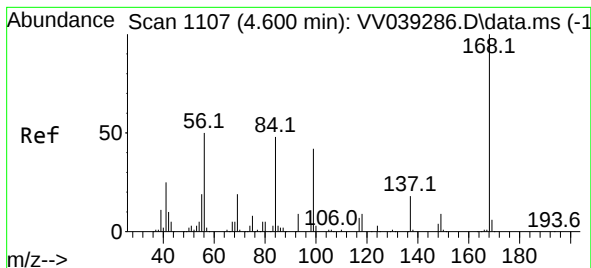
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

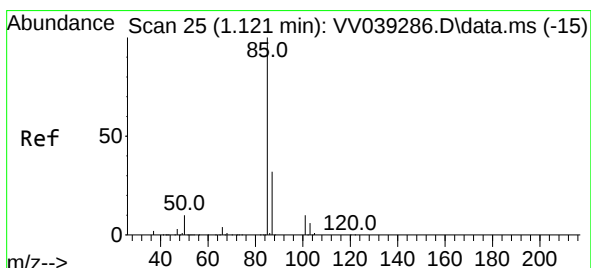
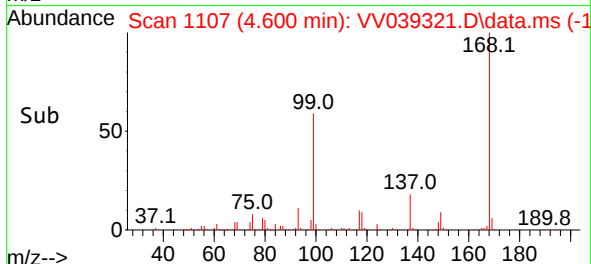
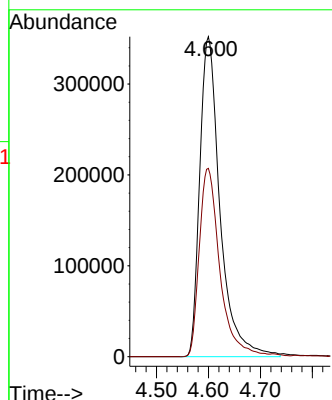
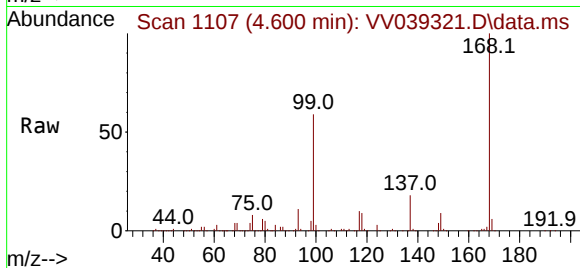
MW-6

Tgt Ion:168 Resp: 952955

Ion Ratio Lower Upper

168 100

99 58.9 46.6 70.0



#2

Dichlorodifluoromethane

Concen: 1.156 ug/l

RT: 1.127 min Scan# 27

Delta R.T. 0.006 min

Lab File: VV039321.D

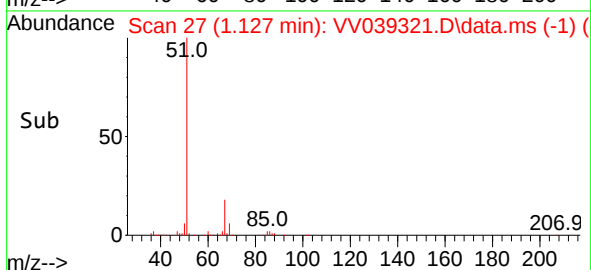
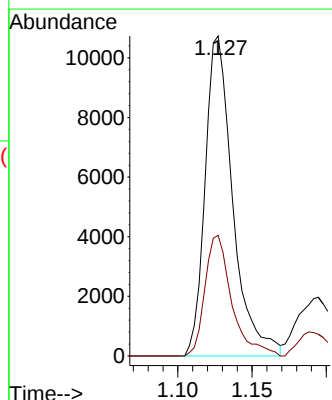
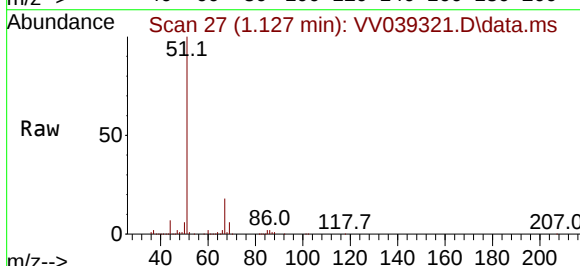
Acq: 04 Nov 2025 17:47

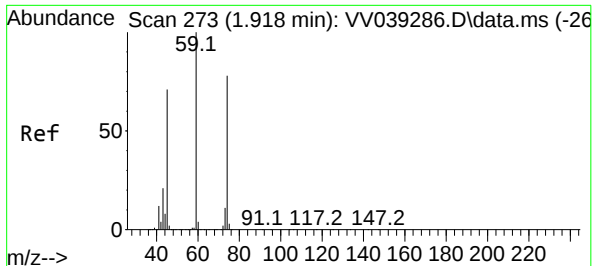
Tgt Ion: 85 Resp: 13923

Ion Ratio Lower Upper

85 100

87 37.7 16.1 48.2

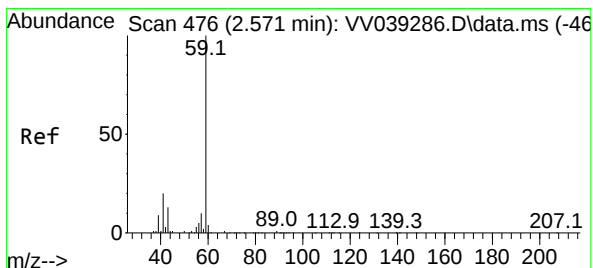
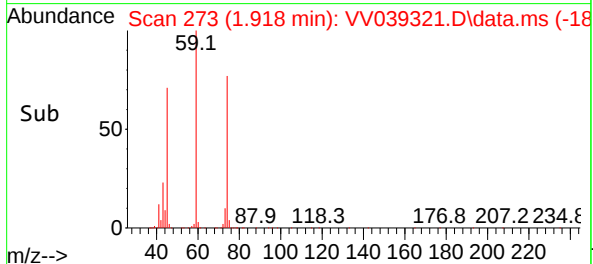
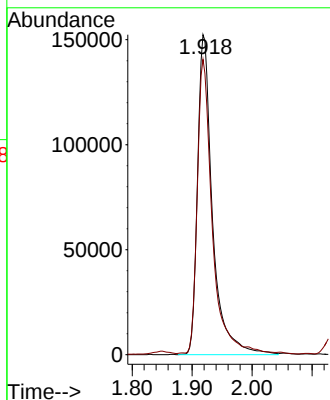
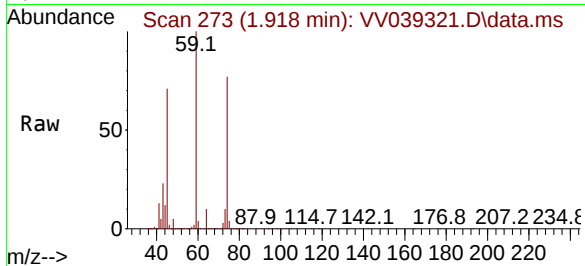




#8
Diethyl Ether
Concen: 33.643 ug/l
RT: 1.918 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

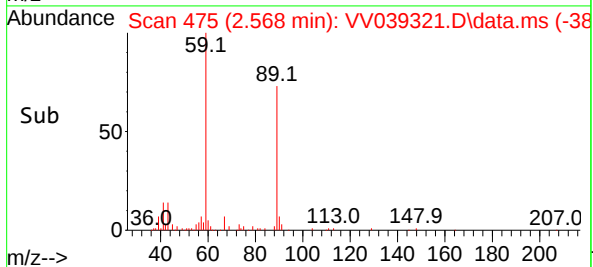
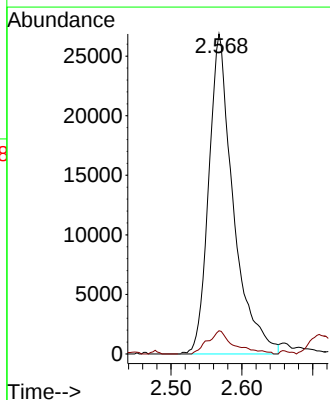
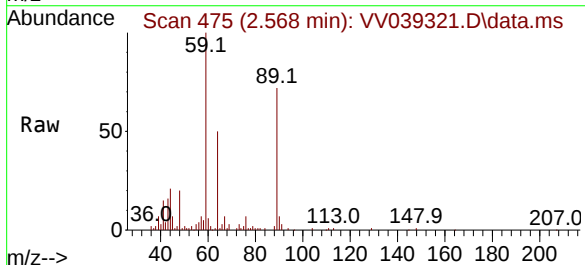
Instrument :
MSVOA_V
ClientSampleId :
MW-6

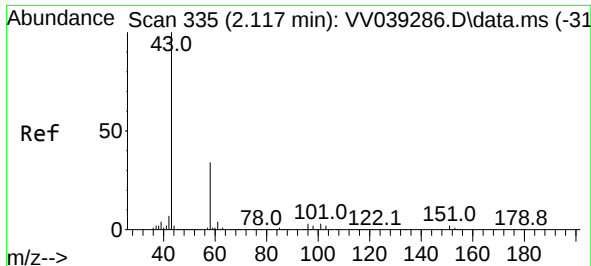
Tgt Ion: 74 Resp: 265703
Ion Ratio Lower Upper
74 100
45 91.4 45.9 137.7



#11
Tert butyl alcohol
Concen: 24.605 ug/l
RT: 2.568 min Scan# 475
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 59 Resp: 64568
Ion Ratio Lower Upper
59 100
57 7.7 8.1 12.1#

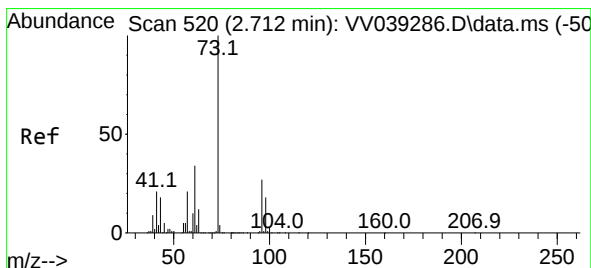
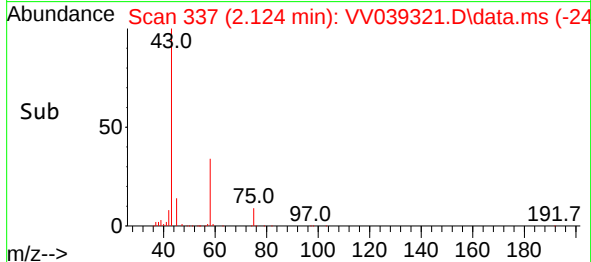
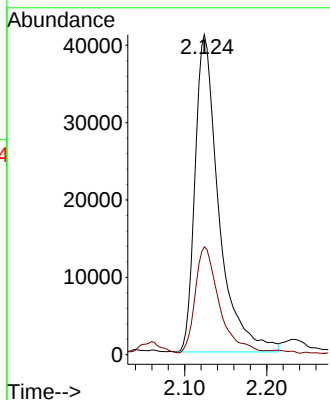
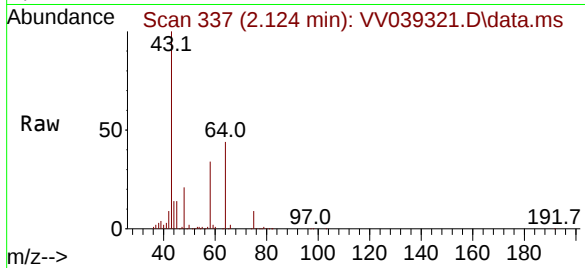




#16
Acetone
Concen: 2.962 ug/l
RT: 2.124 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

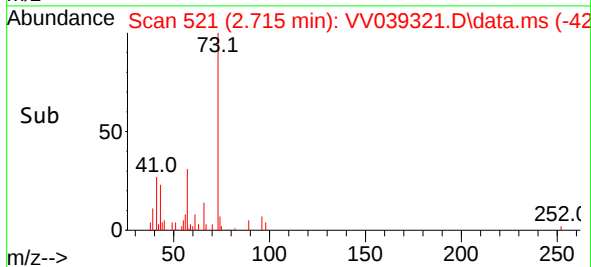
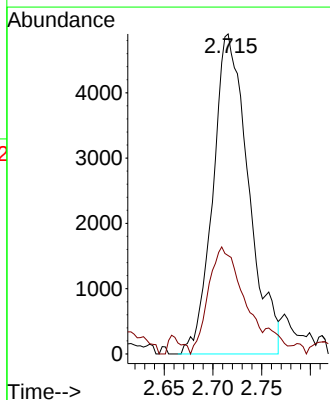
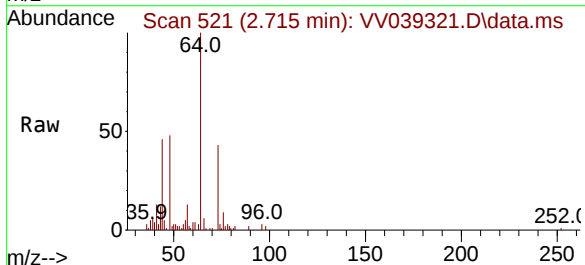
Instrument :
MSVOA_V
ClientSampleId :
MW-6

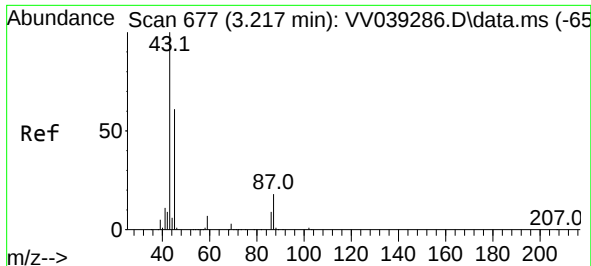
Tgt Ion: 43 Resp: 82619
Ion Ratio Lower Upper
43 100
58 33.4 27.5 41.3



#19
Methyl tert-butyl Ether
Concen: 0.321 ug/l
RT: 2.715 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 73 Resp: 12425
Ion Ratio Lower Upper
73 100
57 27.3 17.0 25.6#



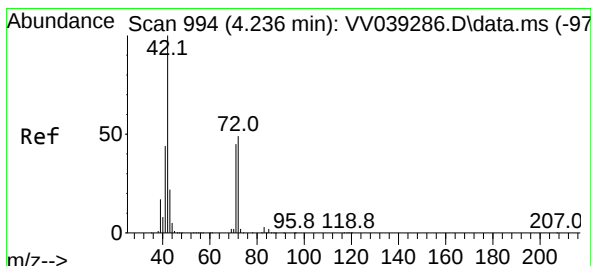
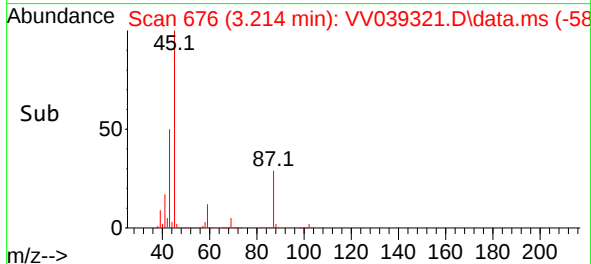
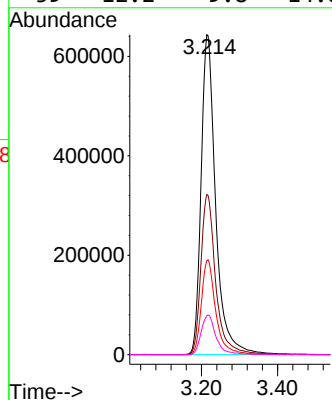
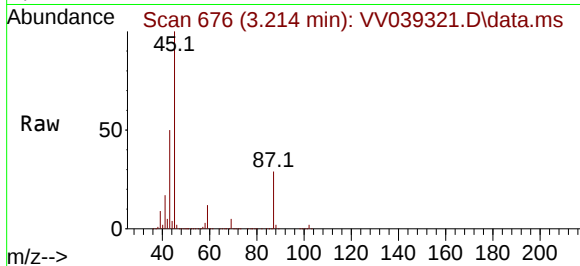


#22
Diisopropyl ether
Concen: 46.846 ug/l
RT: 3.214 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 45 Resp: 1713202

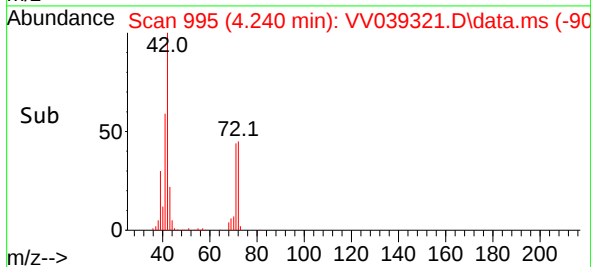
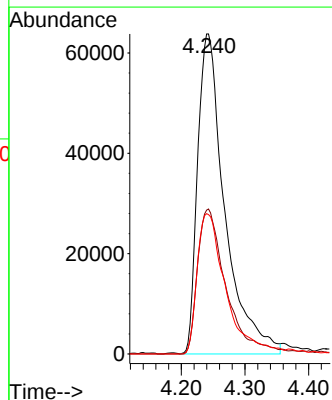
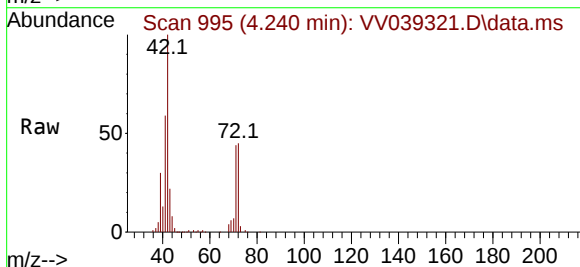
Ion	Ratio	Lower	Upper
45	100		
43	50.0	130.8	196.2#
87	29.3	23.8	35.8
59	12.2	9.8	14.8

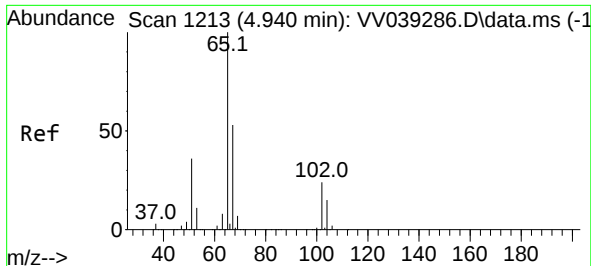


#29
Tetrahydrofuran
Concen: 35.836 ug/l
RT: 4.240 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 42 Resp: 189743

Ion	Ratio	Lower	Upper
42	100		
72	47.4	39.8	59.8
71	46.0	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 53.211 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

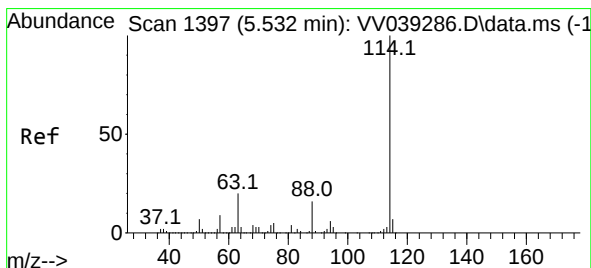
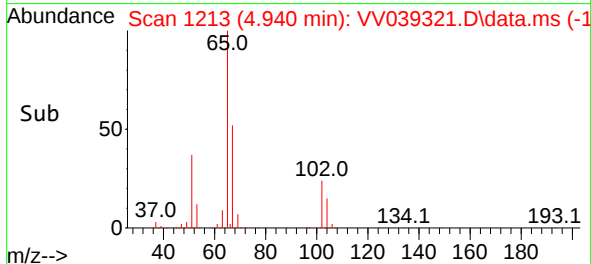
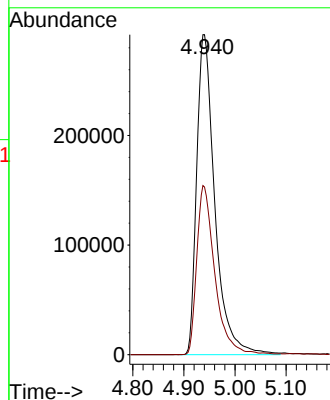
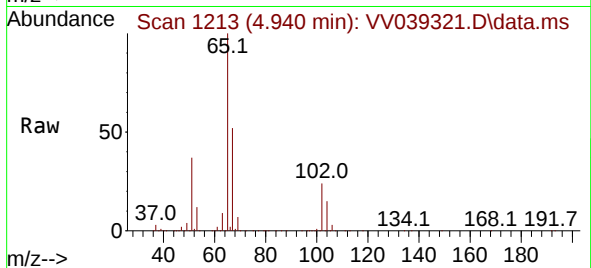
MW-6

Tgt Ion: 65 Resp: 720522

Ion Ratio Lower Upper

65 100

67 52.4 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

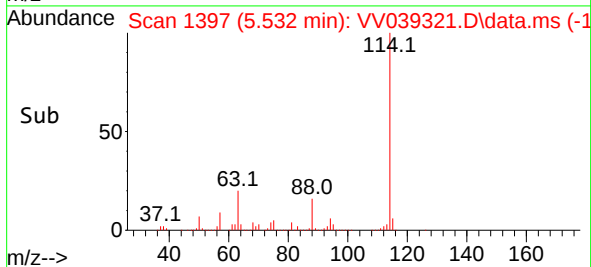
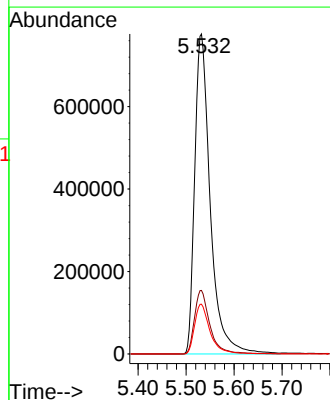
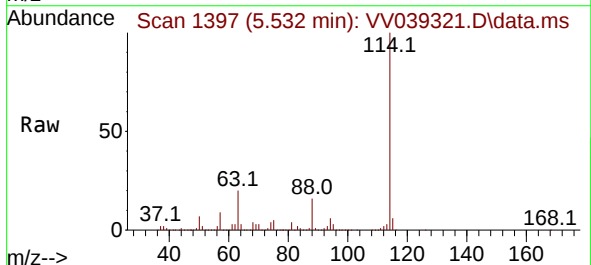
Tgt Ion: 114 Resp: 1749359

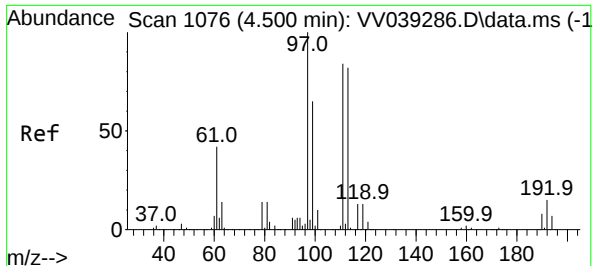
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.002 ug/l

RT: 4.500 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

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ClientSampleId :

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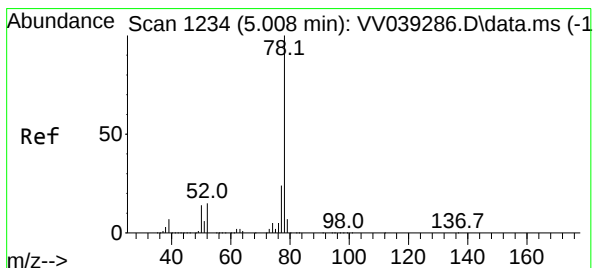
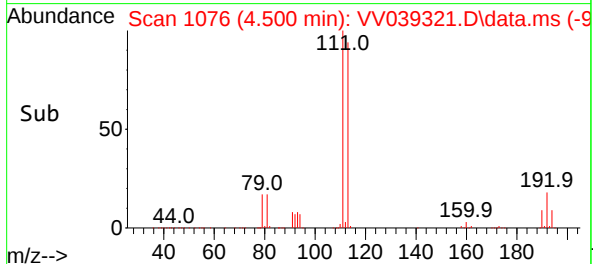
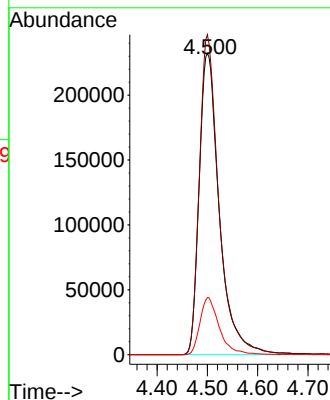
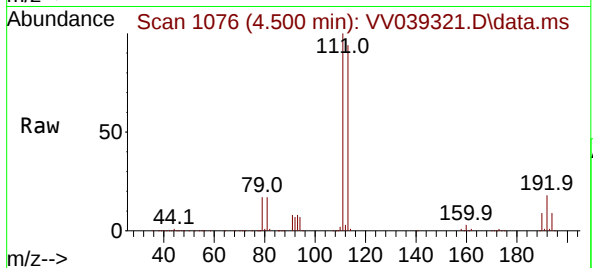
Tgt Ion:113 Resp: 647859

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.2 14.3 21.5



#40

Benzene

Concen: 6.922 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VV039321.D

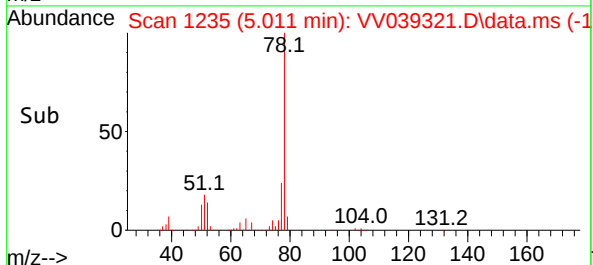
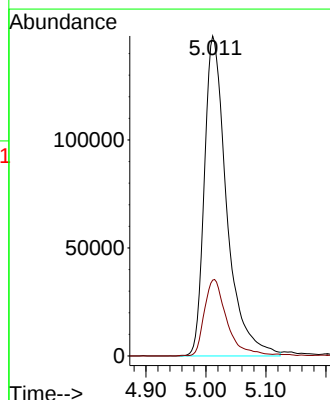
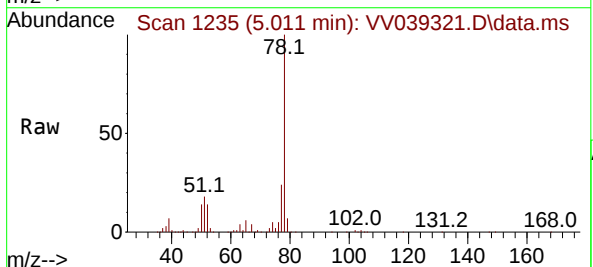
Acq: 04 Nov 2025 17:47

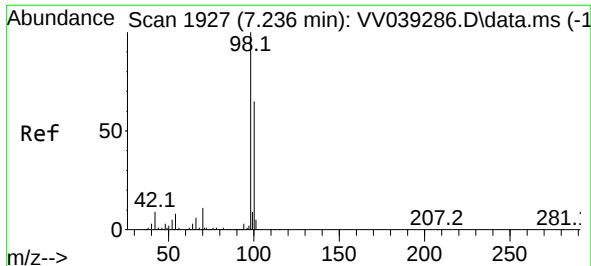
Tgt Ion: 78 Resp: 384536

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3

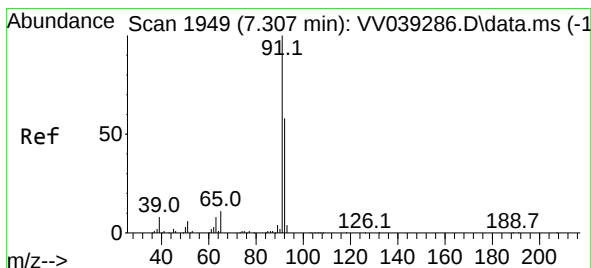
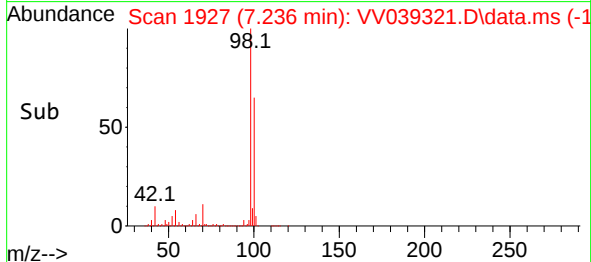
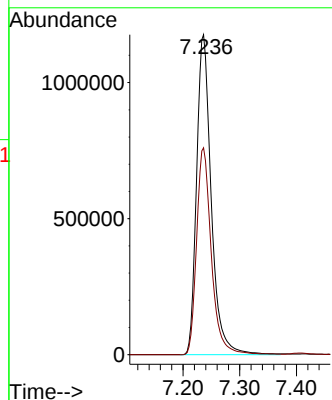
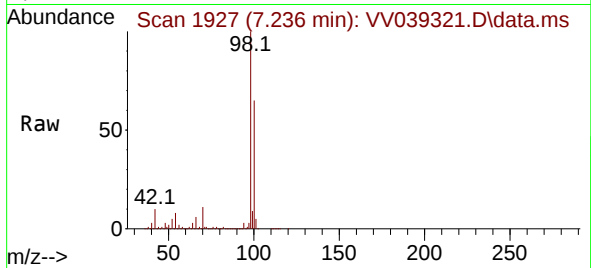




#50
Toluene-d8
Concen: 45.014 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

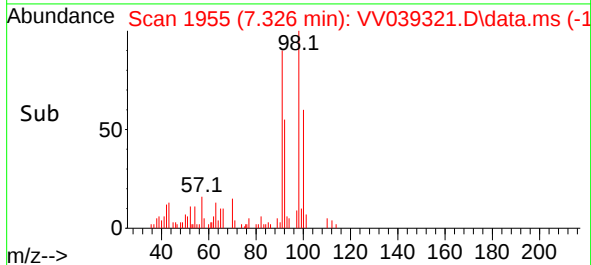
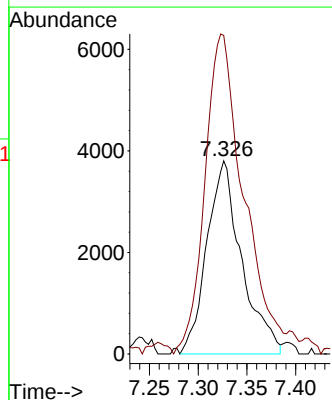
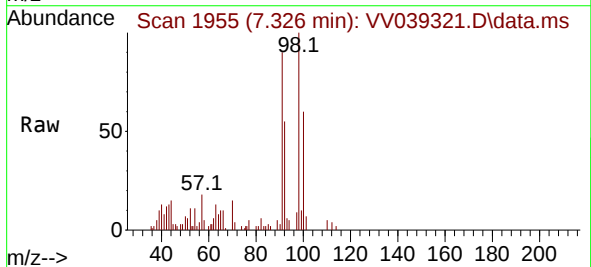
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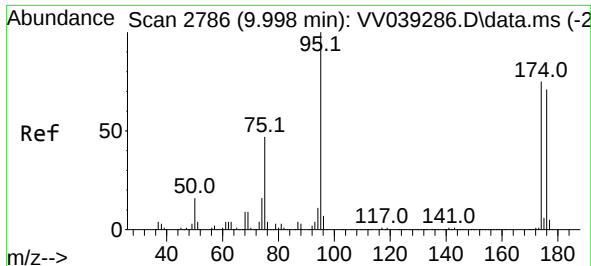
Tgt Ion: 98 Resp: 2110762
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#52
Toluene
Concen: 0.281 ug/l
RT: 7.326 min Scan# 1955
Delta R.T. 0.019 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 92 Resp: 9429
Ion Ratio Lower Upper
92 100
91 185.0 137.3 205.9

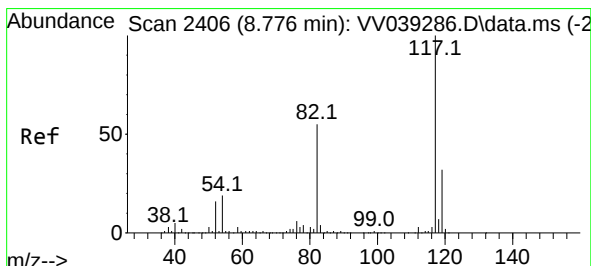
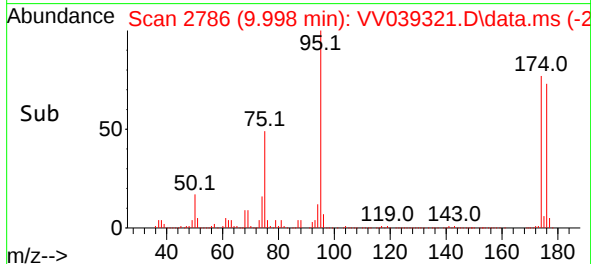
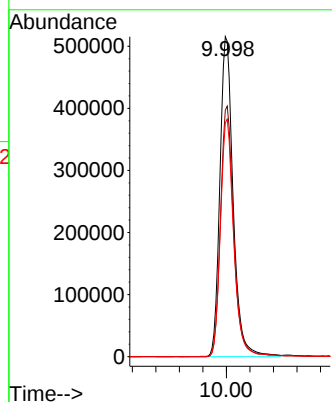
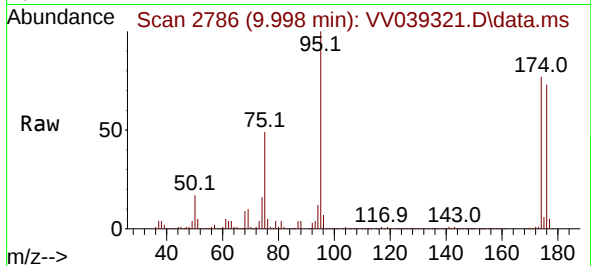




#62
4-Bromofluorobenzene
Concen: 48.186 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

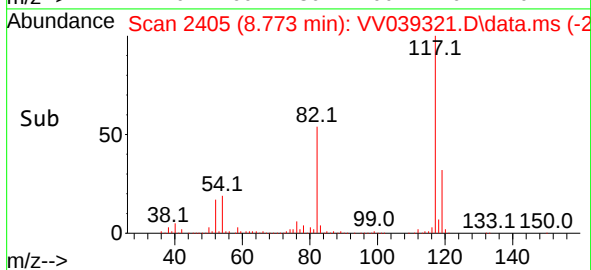
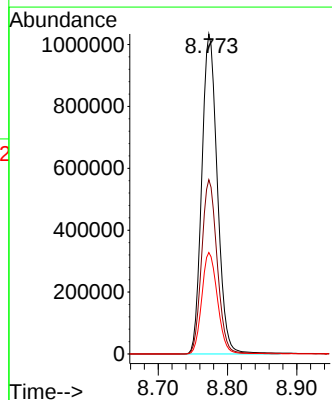
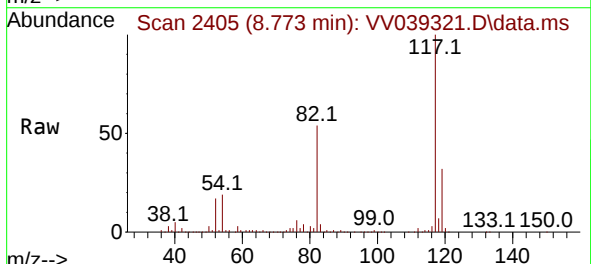
Instrument :
MSVOA_V
ClientSampleId :
MW-6

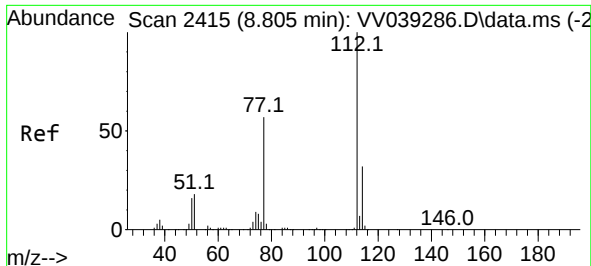
Tgt Ion: 95 Resp: 804695
Ion Ratio Lower Upper
95 100
174 77.9 0.0 153.6
176 74.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 117 Resp: 1614553
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.8
119 31.7 25.8 38.6

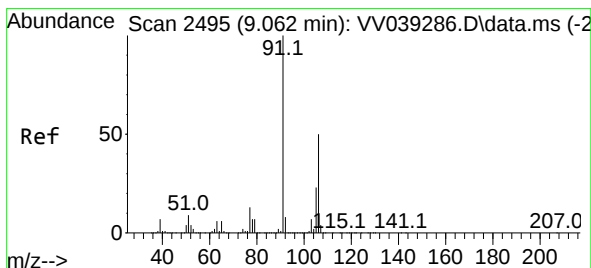
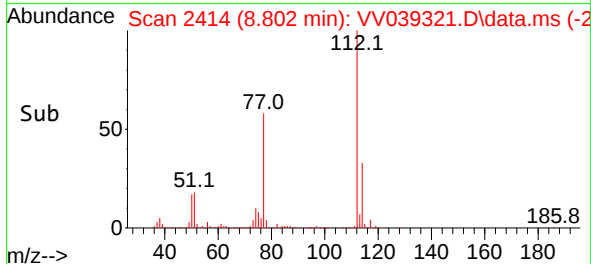
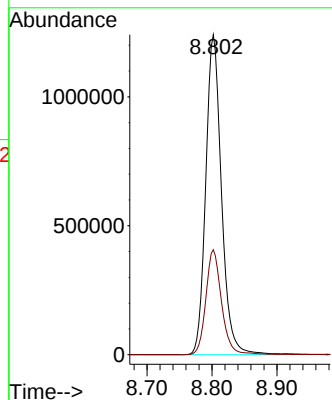
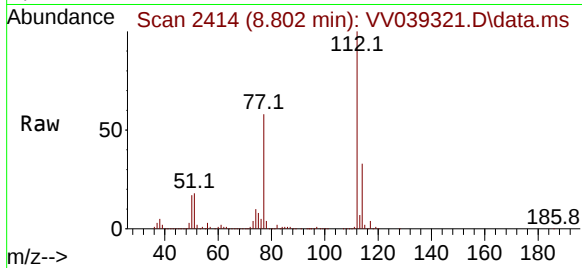




#65
Chlorobenzene
Concen: 54.724 ug/l
RT: 8.802 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

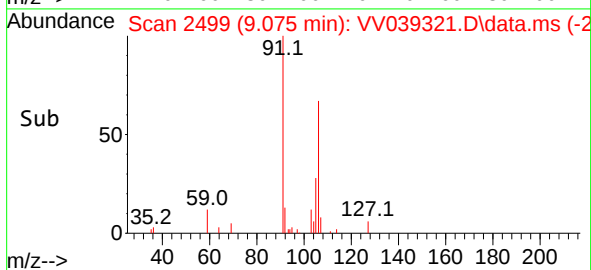
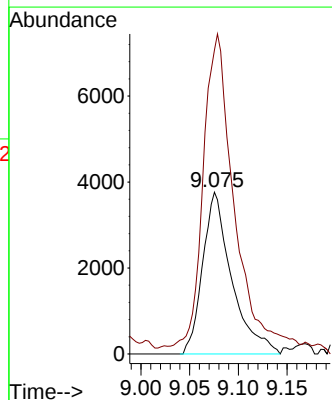
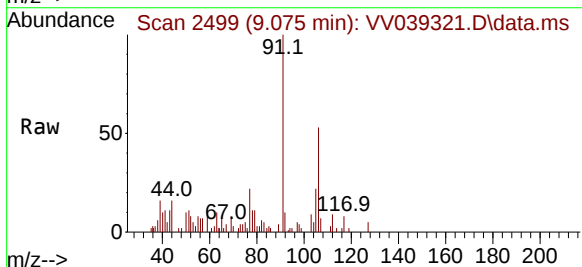
Instrument :
MSVOA_V
ClientSampleId :
MW-6

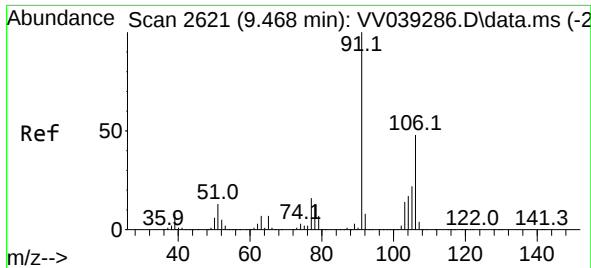
Tgt Ion:112 Resp: 2091639
Ion Ratio Lower Upper
112 100
114 32.8 25.7 38.5



#68
m/p-Xylenes
Concen: 0.350 ug/l
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:106 Resp: 7810
Ion Ratio Lower Upper
106 100
91 204.2 160.2 240.2

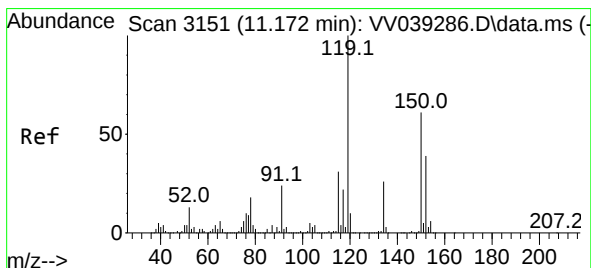
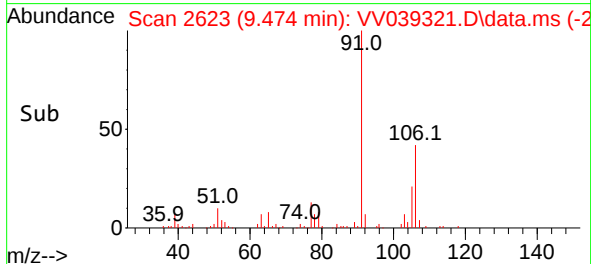
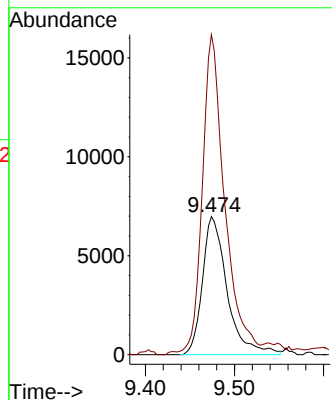
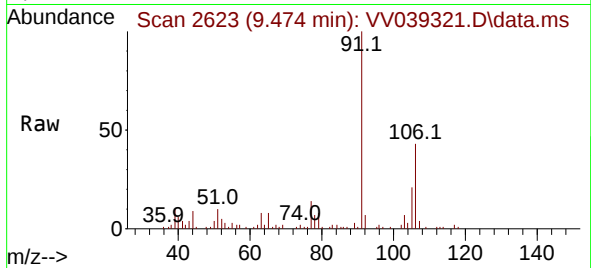




#69
o-Xylene
Concen: 0.680 ug/l
RT: 9.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

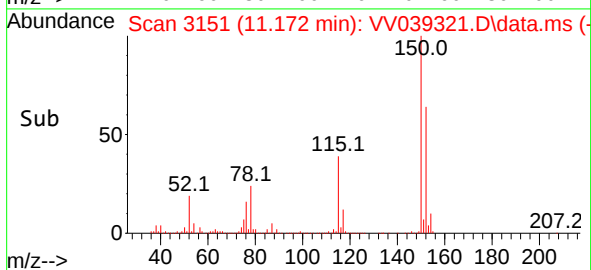
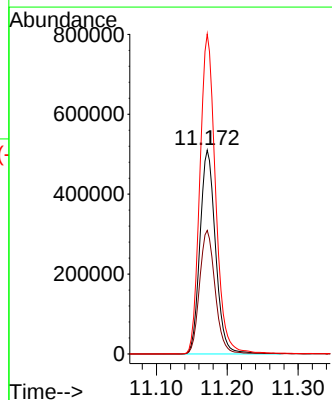
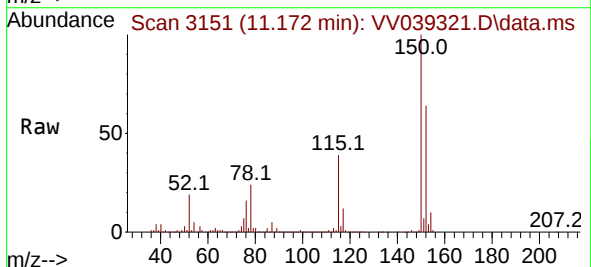
Instrument :
MSVOA_V
ClientSampleId :
MW-6

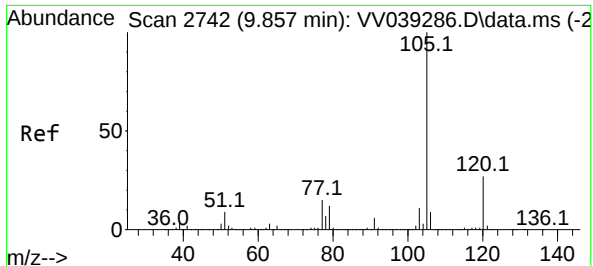
Tgt Ion:106 Resp: 13414
Ion Ratio Lower Upper
106 100
91 210.9 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:152 Resp: 779349
Ion Ratio Lower Upper
152 100
115 60.9 42.3 126.8
150 158.4 0.0 348.0

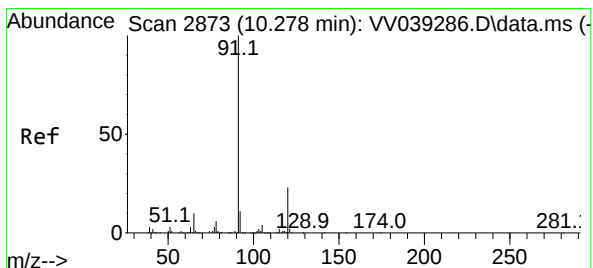
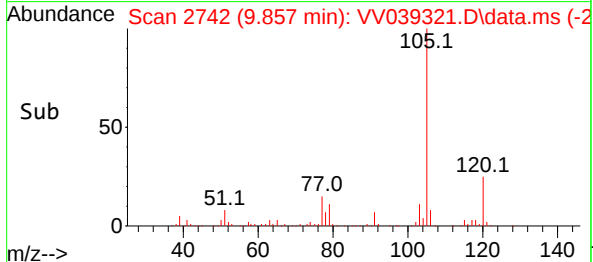
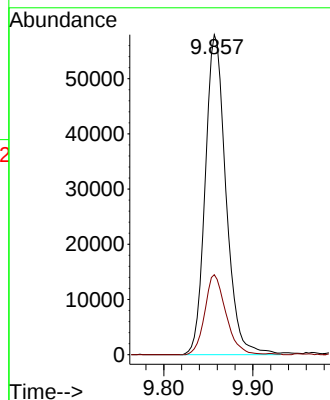
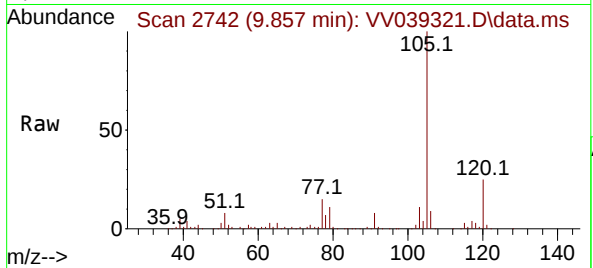




#73
Isopropylbenzene
Concen: 1.979 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

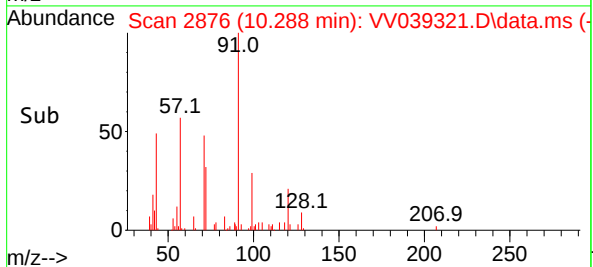
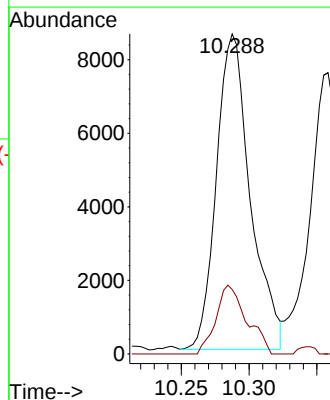
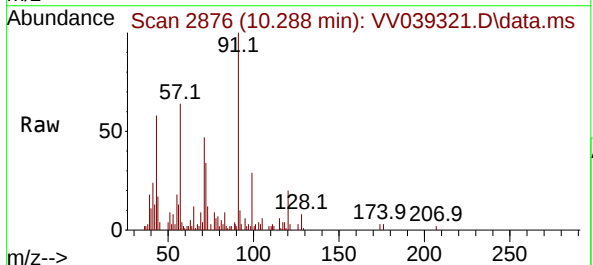
Instrument :
MSVOA_V
ClientSampleId :
MW-6

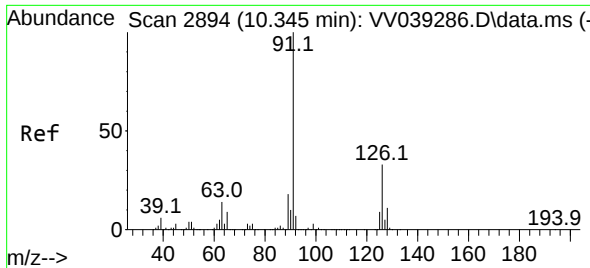
Tgt Ion:105 Resp: 93652
Ion Ratio Lower Upper
105 100
120 25.5 13.2 39.5



#78
n-propylbenzene
Concen: 0.260 ug/l
RT: 10.288 min Scan# 2876
Delta R.T. 0.010 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 91 Resp: 14925
Ion Ratio Lower Upper
91 100
120 19.7 11.5 34.5

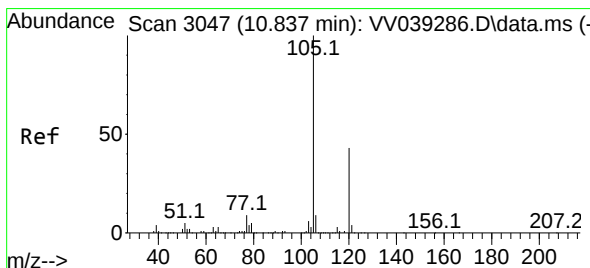
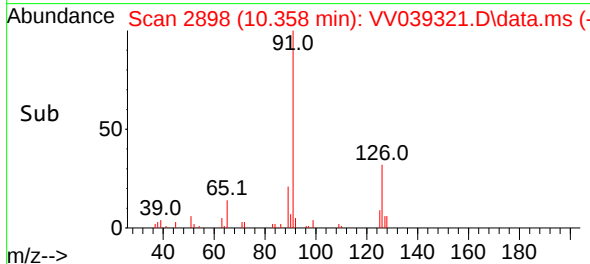
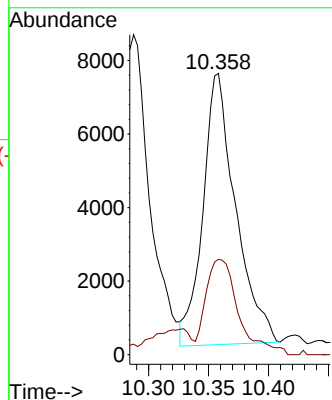
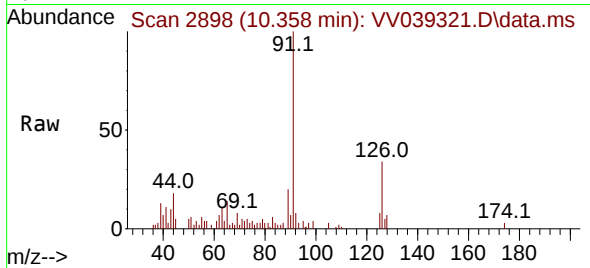




#79
2-Chlorotoluene
Concen: 0.394 ug/l
RT: 10.358 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

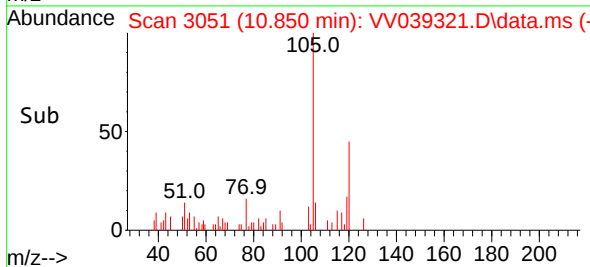
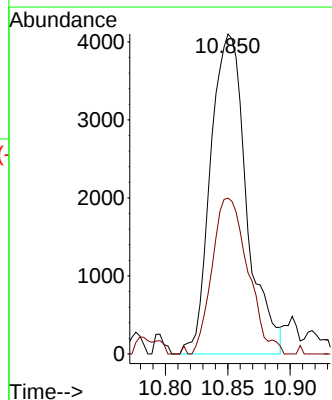
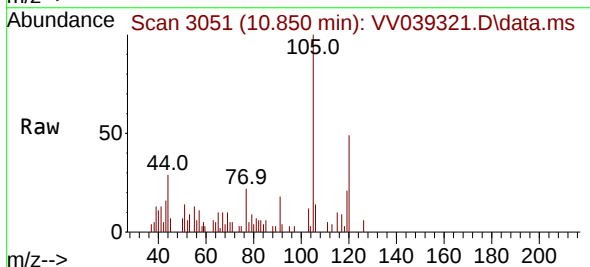
Instrument :
MSVOA_V
ClientSampleId :
MW-6

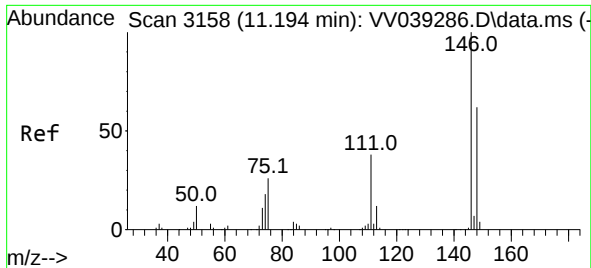
Tgt Ion: 91 Resp: 13979
Ion Ratio Lower Upper
91 100
126 35.0 16.9 50.6



#84
1,2,4-Trimethylbenzene
Concen: 0.211 ug/l
RT: 10.850 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 105 Resp: 8227
Ion Ratio Lower Upper
105 100
120 48.4 22.8 68.4

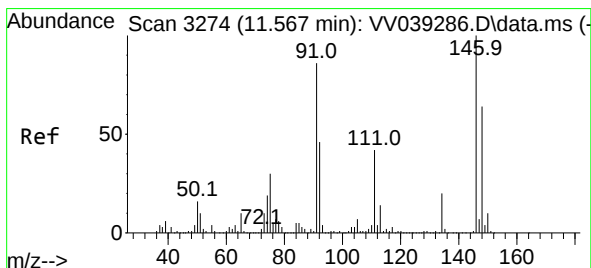
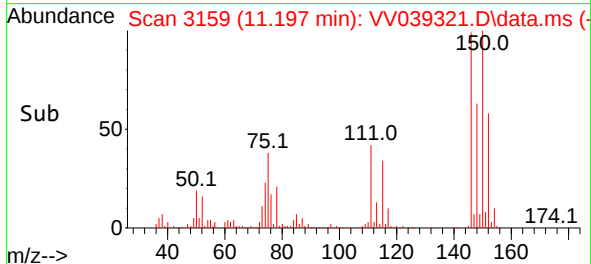
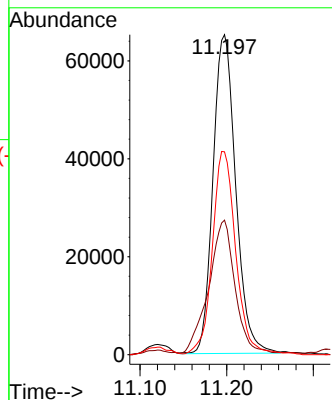
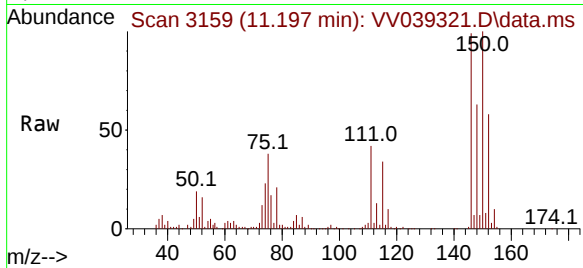




#88
1,4-Dichlorobenzene
Concen: 4.096 ug/l
RT: 11.197 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion:146 Resp: 118949
Ion Ratio Lower Upper
146 100
111 48.3 19.7 59.0
148 65.9 31.5 94.5



#91
1,2-Dichlorobenzene
Concen: 2.758 ug/l
RT: 11.570 min Scan# 3275
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:146 Resp: 68077
Ion Ratio Lower Upper
146 100
111 41.5 21.3 64.0
148 63.8 31.9 95.7

