

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039173.D
 Acq On : 25 Sep 2025 12:10
 Operator : SY/MD
 Sample : Q3164-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DA-2

Quant Time: Sep 26 01:24:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

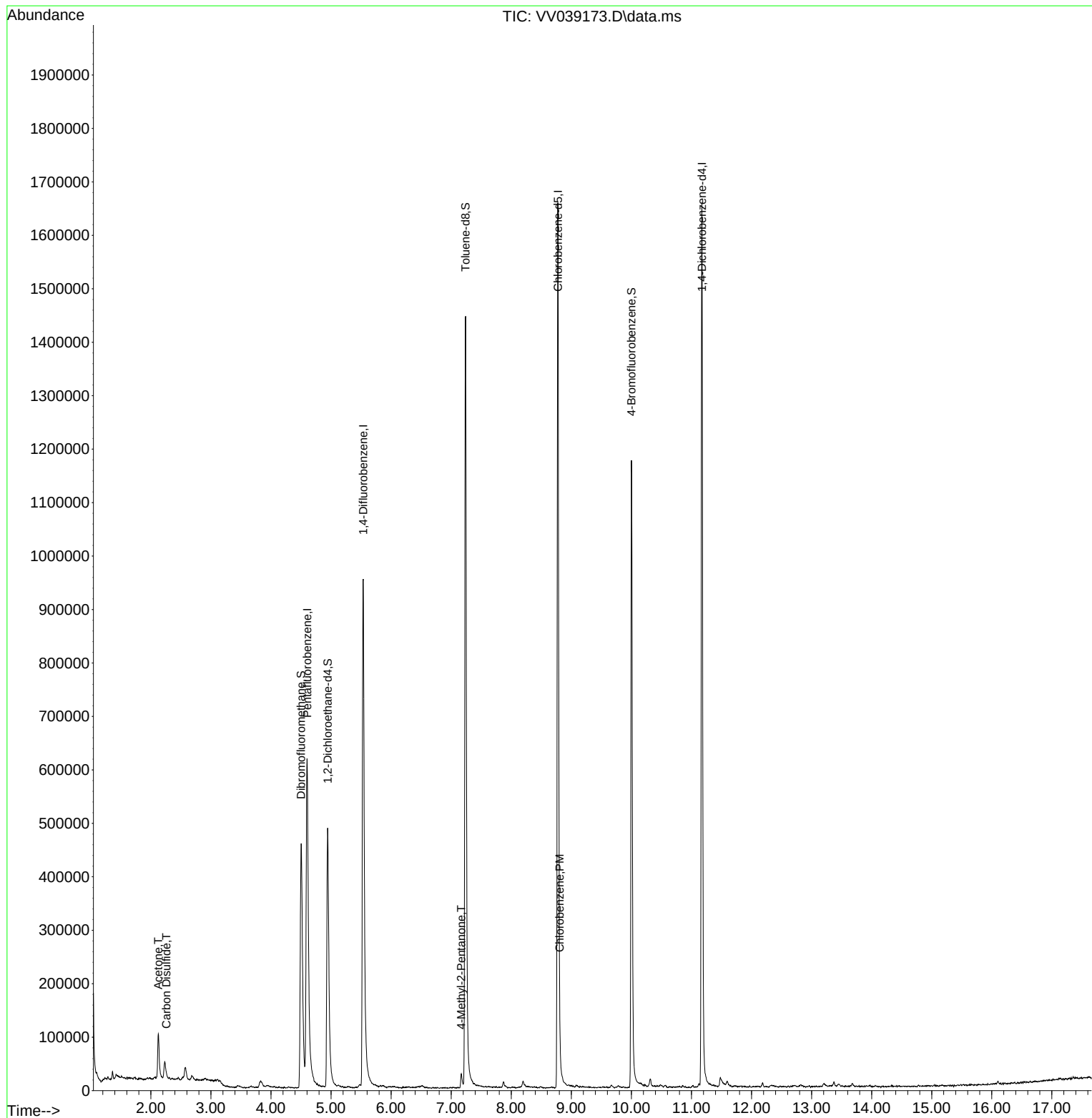
Internal Standards						
1) Pentafluorobenzene	4.603	168	514758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	932817	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	926008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	438853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	419629	56.325	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	112.660%
35) Dibromofluoromethane	4.503	113	386984	51.604	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	103.200%
50) Toluene-d8	7.240	98	1048304	47.596	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	95.200%
62) 4-Bromofluorobenzene	10.001	95	406703	44.855	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	89.720%
Target Compounds						
					Qvalue	
16) Acetone	2.124	43	108214	18.172	ug/l	99
17) Carbon Disulfide	2.259	76	6286	0.265	ug/l	97
51) 4-Methyl-2-Pentanone	7.169	43	16756	1.358	ug/l	91
65) Chlorobenzene	8.805	112	5564	0.216	ug/l	96

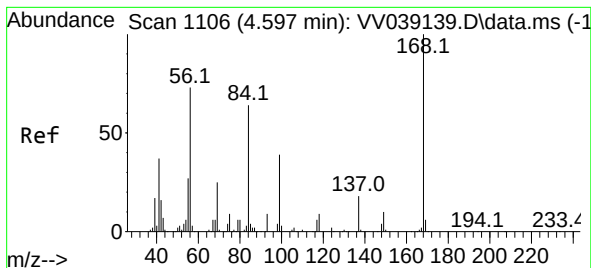
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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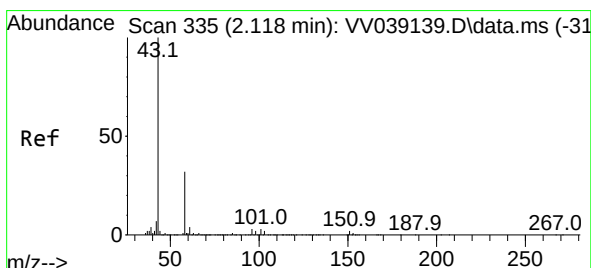
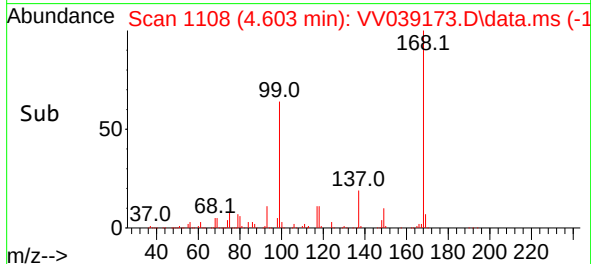
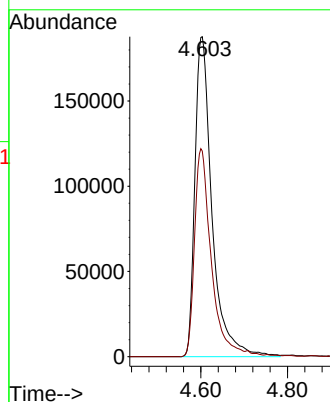
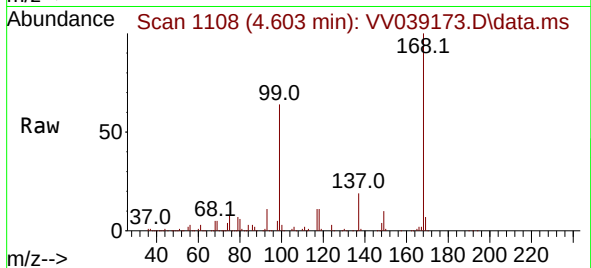




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

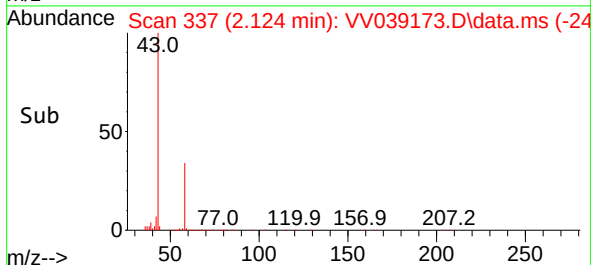
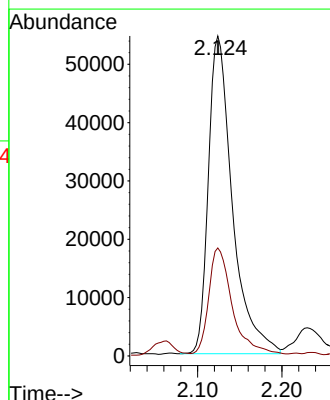
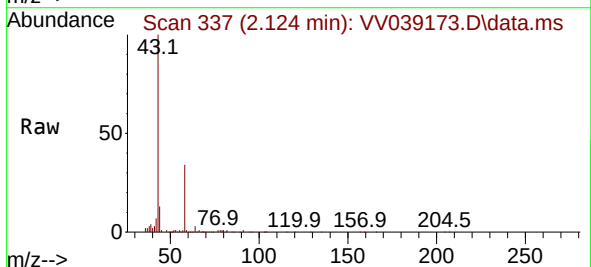
Instrument :
MSVOA_V
ClientSampleId :
DA-2

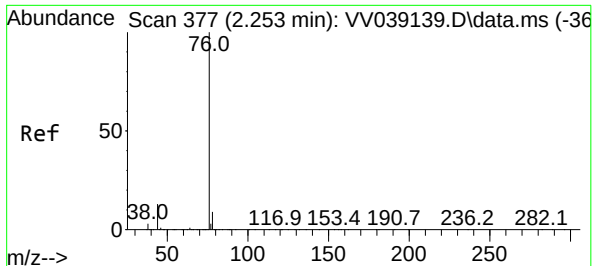
Tgt Ion:168 Resp: 514758
Ion Ratio Lower Upper
168 100
99 64.2 49.6 74.4



#16
Acetone
Concen: 18.172 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

Tgt Ion: 43 Resp: 108214
Ion Ratio Lower Upper
43 100
58 33.0 25.8 38.6

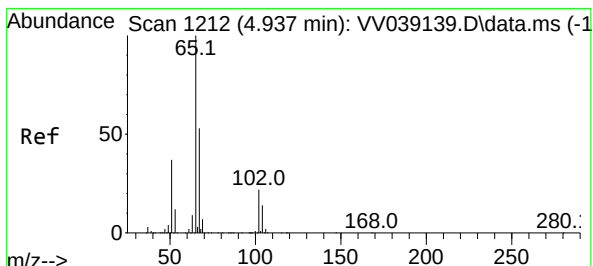
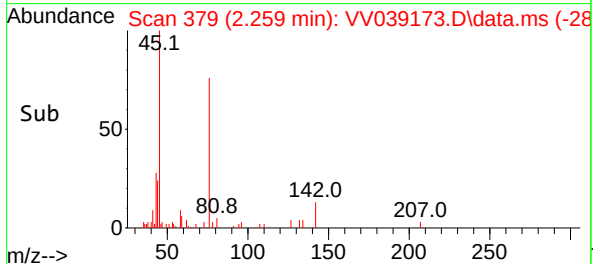
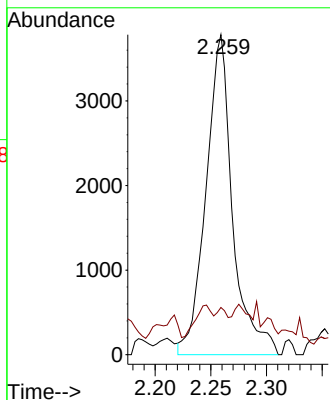
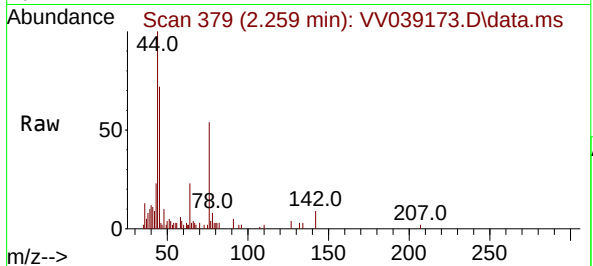




#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 2.259 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

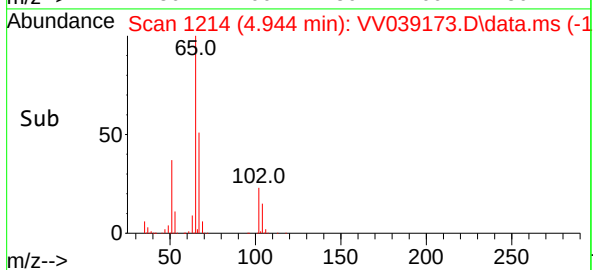
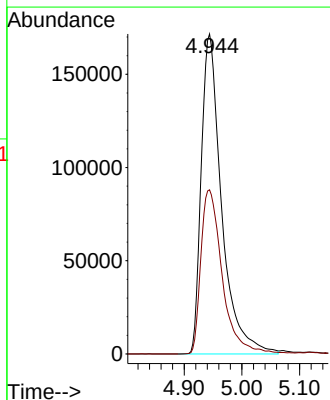
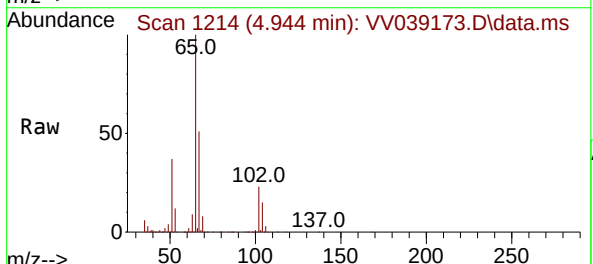
Instrument :
MSVOA_V
ClientSampleId :
DA-2

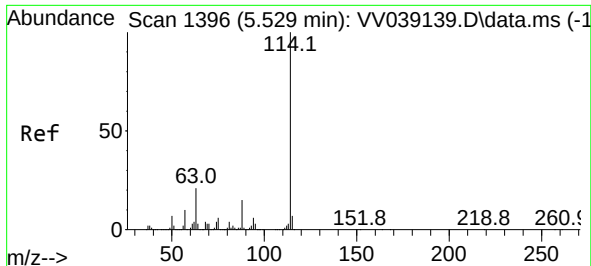
Tgt Ion: 76 Resp: 6286
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0



#33
1,2-Dichloroethane-d4
Concen: 56.325 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

Tgt Ion: 65 Resp: 419629
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039173.D

Acq: 25 Sep 2025 12:10

Instrument :

MSVOA_V

ClientSampleId :

DA-2

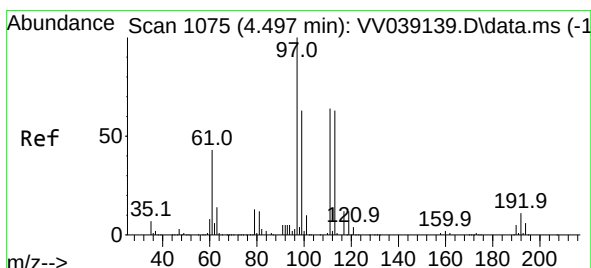
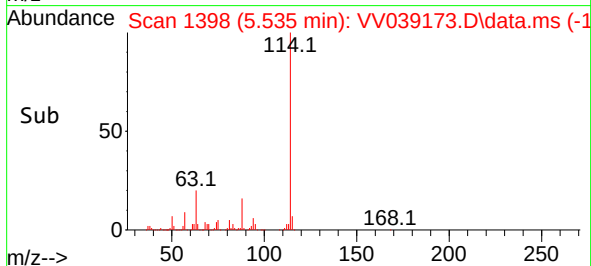
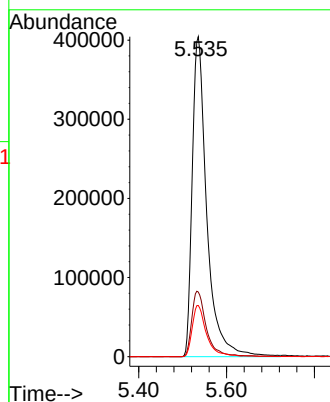
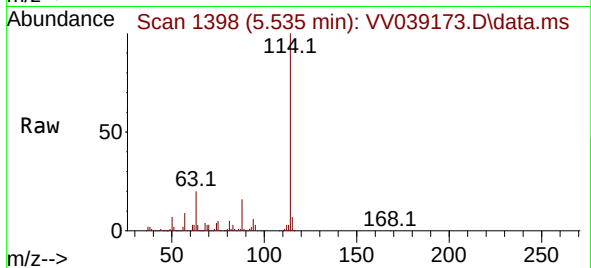
Tgt Ion:114 Resp: 932817

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

88 16.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.604 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039173.D

Acq: 25 Sep 2025 12:10

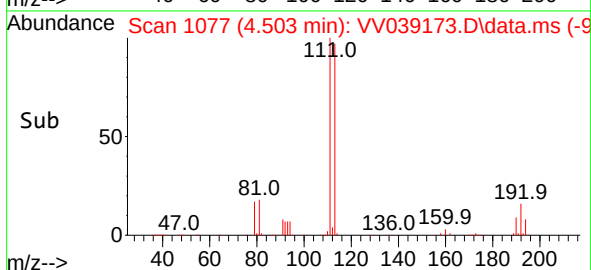
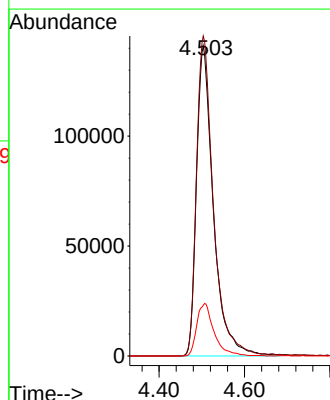
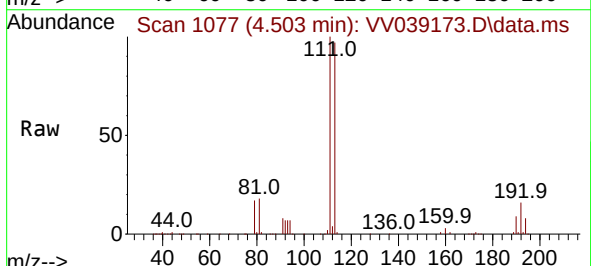
Tgt Ion:113 Resp: 386984

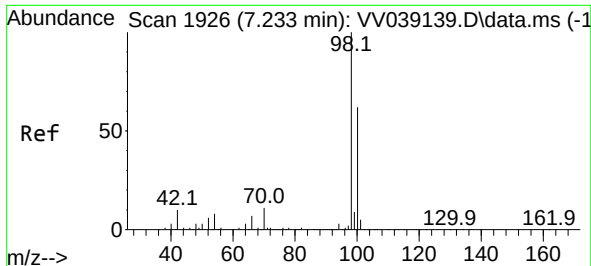
Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

192 17.3 13.8 20.8

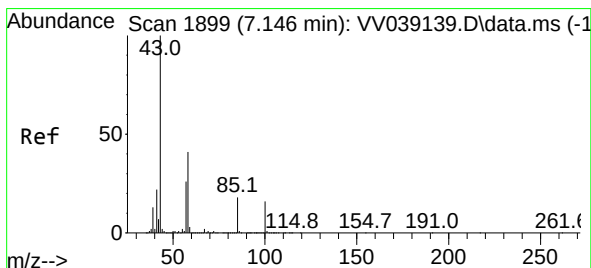
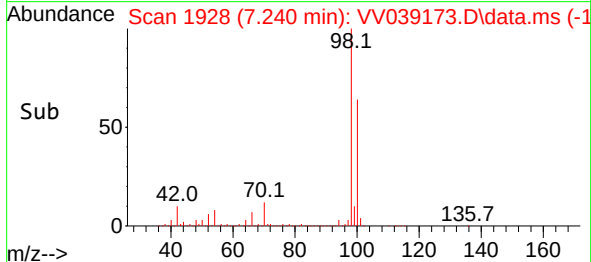
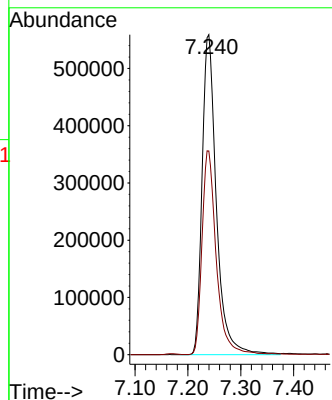
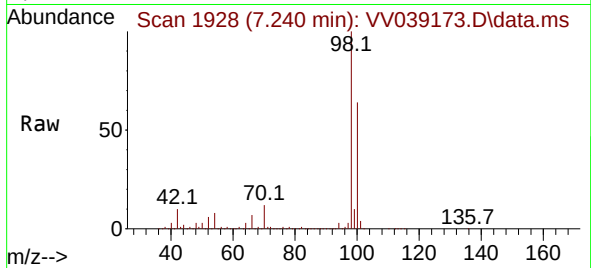




#50
Toluene-d8
Concen: 47.596 ug/l
RT: 7.240 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

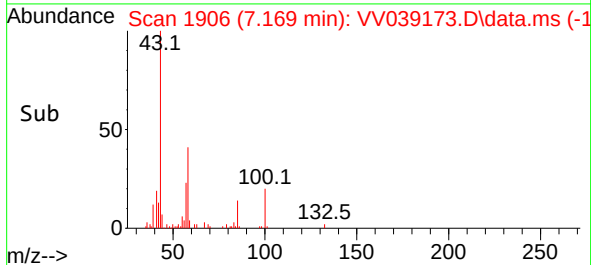
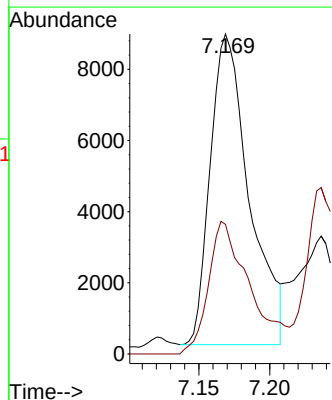
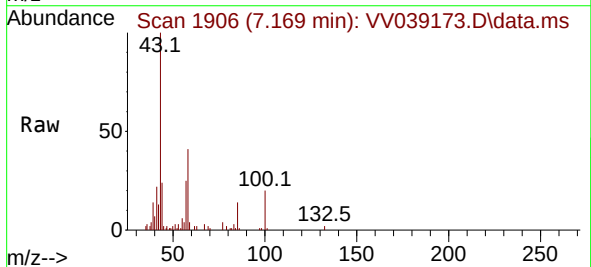
Instrument :
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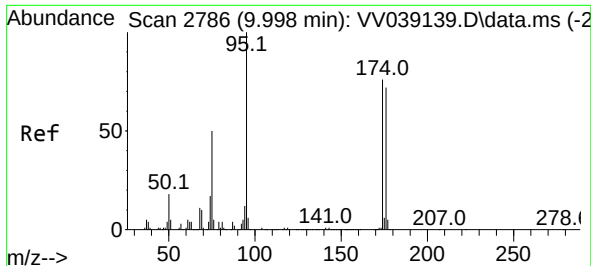
Tgt Ion: 98 Resp: 1048304
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.358 ug/l
RT: 7.169 min Scan# 1906
Delta R.T. 0.023 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

Tgt Ion: 43 Resp: 16756
Ion Ratio Lower Upper
43 100
58 45.8 32.3 48.5

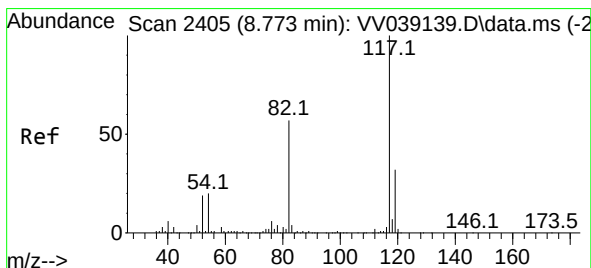
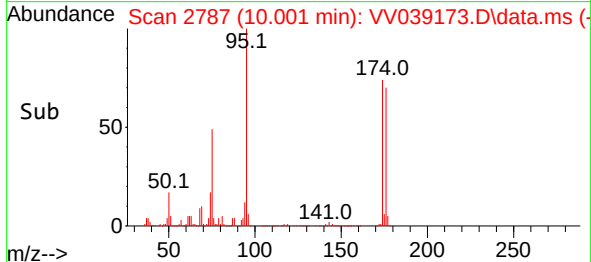
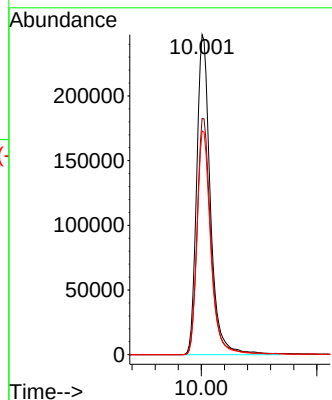
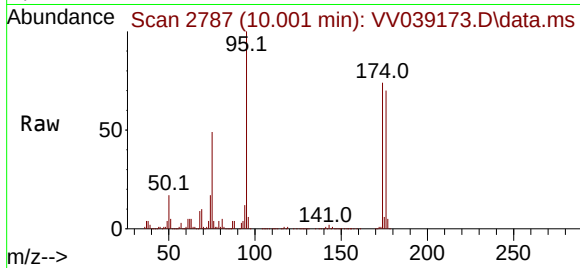




#62
4-Bromofluorobenzene
Concen: 44.855 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

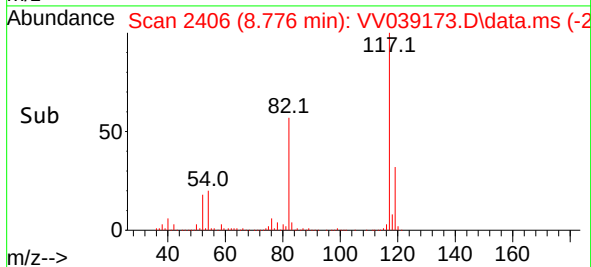
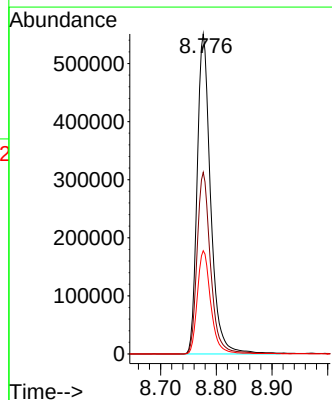
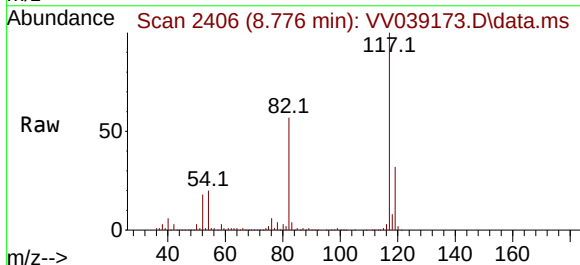
Instrument :
MSVOA_V
ClientSampleId :
DA-2

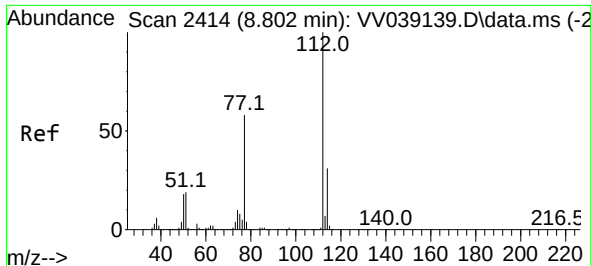
Tgt Ion: 95 Resp: 406703
Ion Ratio Lower Upper
95 100
174 74.1 0.0 150.4
176 69.8 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

Tgt Ion: 117 Resp: 926008
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 32.3 25.6 38.4

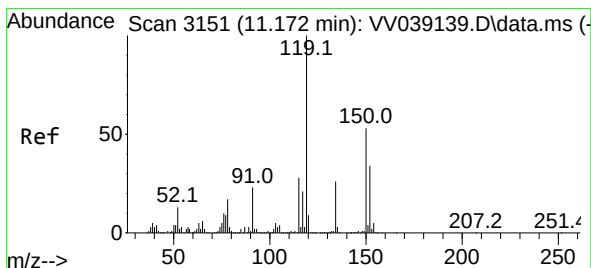
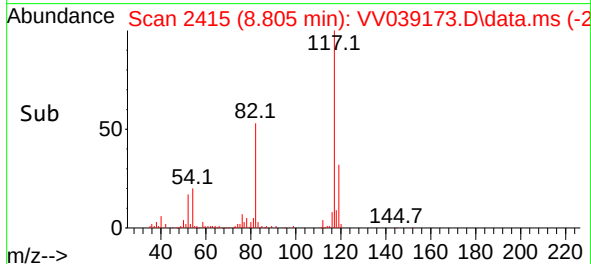
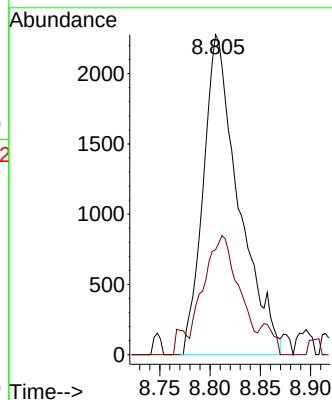
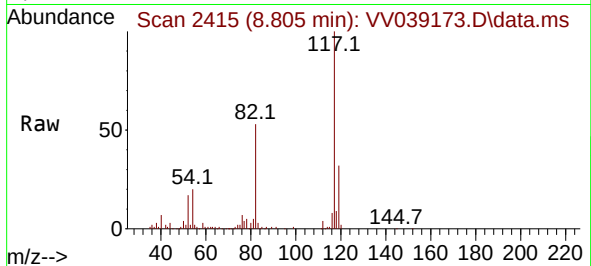




#65
Chlorobenzene
Concen: 0.216 ug/l
RT: 8.805 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

Instrument :
MSVOA_V
ClientSampleId :
DA-2

Tgt Ion:112 Resp: 5564
Ion Ratio Lower Upper
112 100
114 32.8 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039173.D
Acq: 25 Sep 2025 12:10

Tgt Ion:152 Resp: 438853
Ion Ratio Lower Upper
152 100
115 61.9 44.8 134.4
150 158.9 0.0 353.8

