

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062325\
 Data File : VD080468.D
 Acq On : 23 Jun 2025 10:12
 Operator : RP/MD
 Sample : VD0623SBL01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VBLK212

Quant Time: Jun 24 10:14:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 24 10:12:33 2025
 Response via : Initial Calibration

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

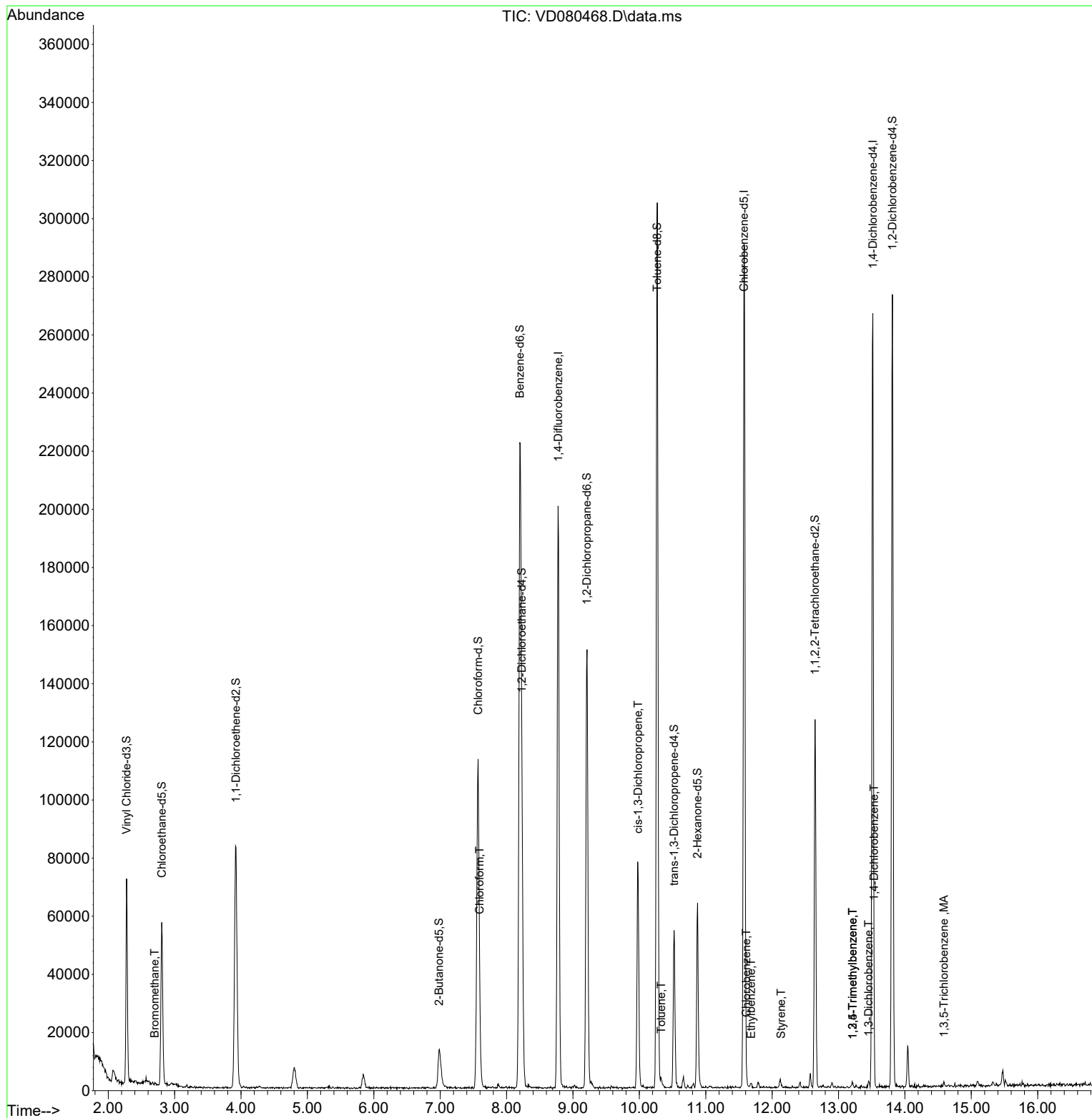
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	184312	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.576	117	180107	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	80155	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	66947	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.72%
7) Chloroethane-d5	2.806	69	62151	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.24%
11) 1,1-Dichloroethene-d2	3.923	65	24651	23.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.52%
21) 2-Butanone-d5	6.982	46	23774	45.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.78%
24) Chloroform-d	7.570	84	117722	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.229	65	63513	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
32) Benzene-d6	8.200	84	234995	23.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.92%
36) 1,2-Dichloropropane-d6	9.211	67	78493	24.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.60%
41) Toluene-d8	10.270	98	221140	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
43) trans-1,3-Dichloroprop...	10.523	79	31805	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.96%
47) 2-Hexanone-d5	10.876	63	21644	43.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.72%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	66485	22.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.48%
66) 1,2-Dichlorobenzene-d4	13.811	152	80338	27.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.56%
Target Compounds						Qvalue
6) Bromomethane	2.700	94	460	0.22	ug/L	94
25) Chloroform	7.594	83	10266	1.96	ug/L	99
39) cis-1,3-Dichloropropene	9.982	75	2085	0.51	ug/L	83
42) Toluene	10.329	91	1603	0.15	ug/L #	75
51) Chlorobenzene	11.611	112	1119	0.15	ug/L #	50
52) Ethylbenzene	11.682	91	1469	0.12	ug/L	92
55) Styrene	12.135	104	907	0.12	ug/L	97
62) 1,3,5-Trimethylbenzene	13.211	105	1254	0.17	ug/L	88
63) 1,2,4-Trimethylbenzene	13.211	105	1254	0.17	ug/L	93
64) 1,3-Dichlorobenzene	13.452	146	862	0.17	ug/L #	76
65) 1,4-Dichlorobenzene	13.535	146	1455	0.28	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.587	180	689	0.20	ug/L #	76

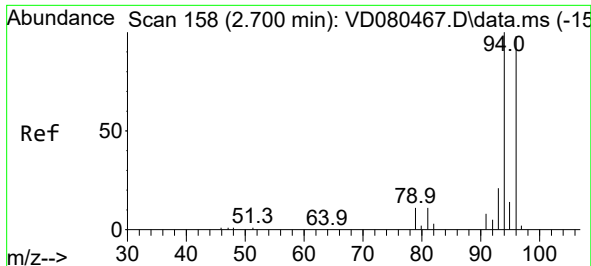
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062325\
Data File : VD080468.D
Acq On : 23 Jun 2025 10:12
Operator : RP/MD
Sample : VD0623SBL01
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VBLK212

Quant Time: Jun 24 10:14:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jun 24 10:12:33 2025
Response via : Initial Calibration

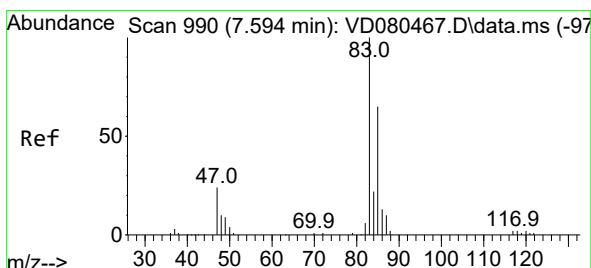
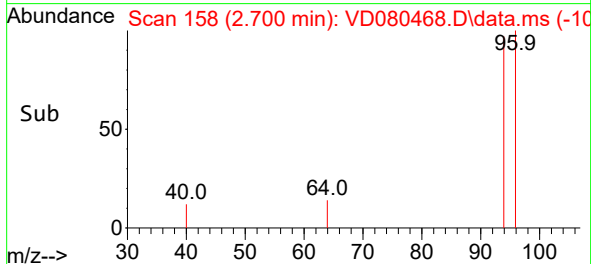
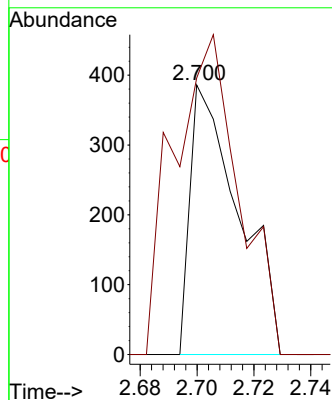
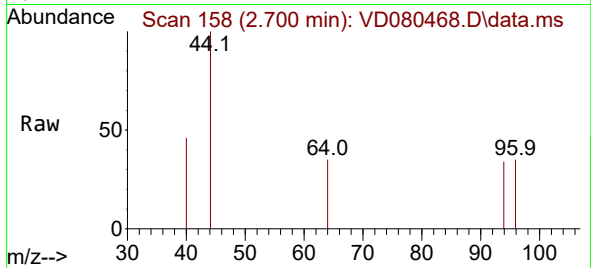




#6
Bromomethane
Concen: 0.22 ug/L
RT: 2.700 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080468.D
Acq: 23 Jun 2025 10:12

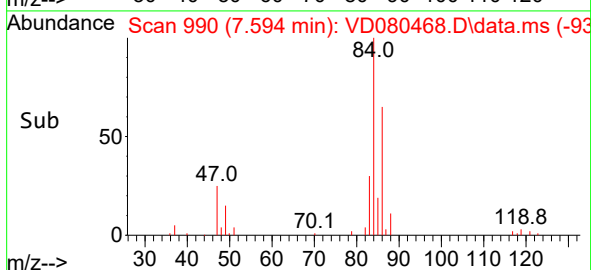
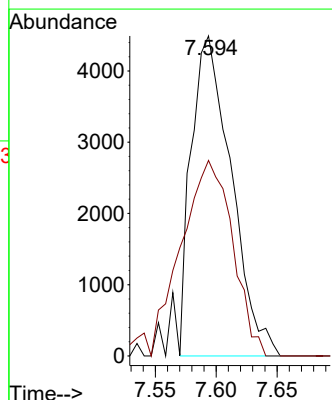
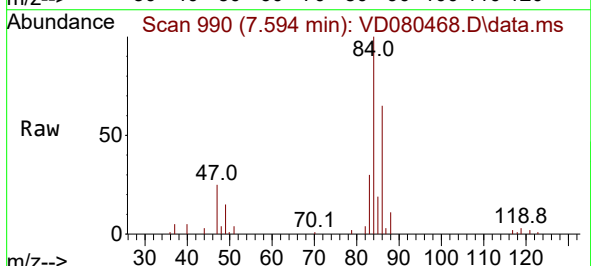
Instrument :
MSVOA_D
ClientSampleId :
VBLK212

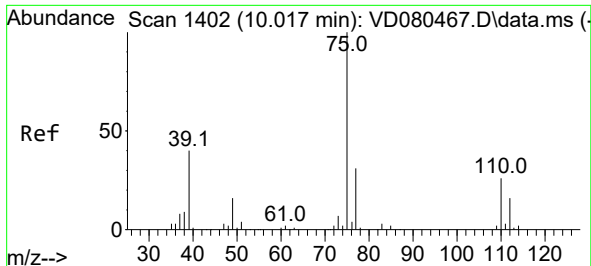
Tgt Ion: 94 Resp: 460
Ion Ratio Lower Upper
94 100
96 102.6 67.6 125.6



#25
Chloroform
Concen: 1.96 ug/L
RT: 7.594 min Scan# 990
Delta R.T. 0.000 min
Lab File: VD080468.D
Acq: 23 Jun 2025 10:12

Tgt Ion: 83 Resp: 10266
Ion Ratio Lower Upper
83 100
85 61.1 42.0 78.0





#39

cis-1,3-Dichloropropene

Concen: 0.51 ug/L

RT: 9.982 min Scan# 11

Delta R.T. -0.035 min

Lab File: VD080468.D

Acq: 23 Jun 2025 10:12

Instrument :

MSVOA_D

ClientSampleId :

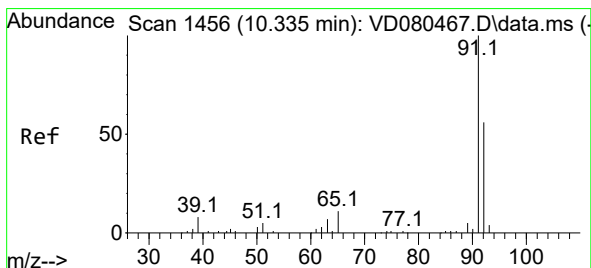
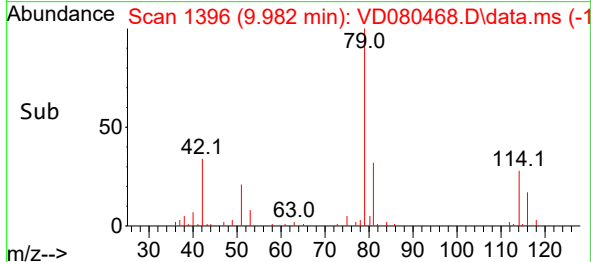
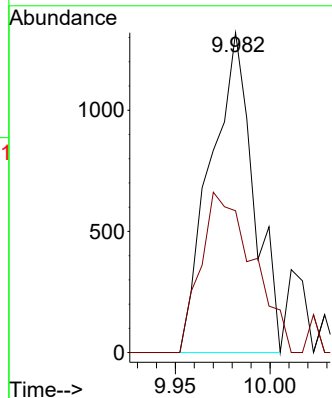
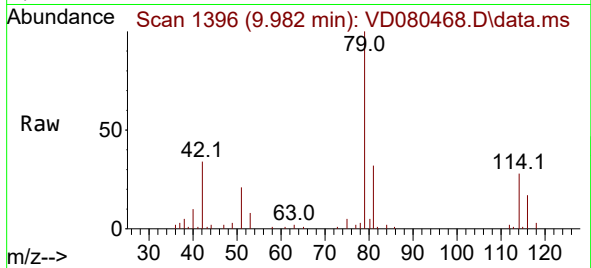
VBLK212

Tgt Ion: 75 Resp: 2085

Ion Ratio Lower Upper

75 100

77 44.3 24.1 44.7



#42

Toluene

Concen: 0.15 ug/L

RT: 10.329 min Scan# 1455

Delta R.T. -0.006 min

Lab File: VD080468.D

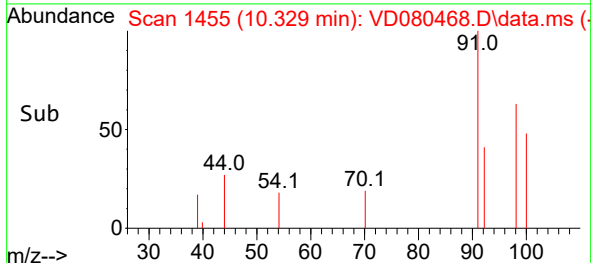
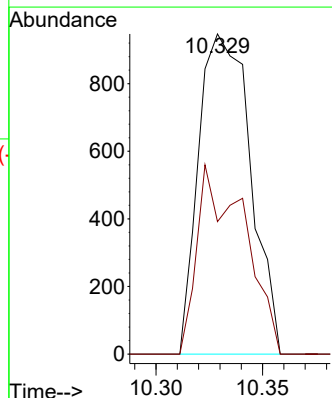
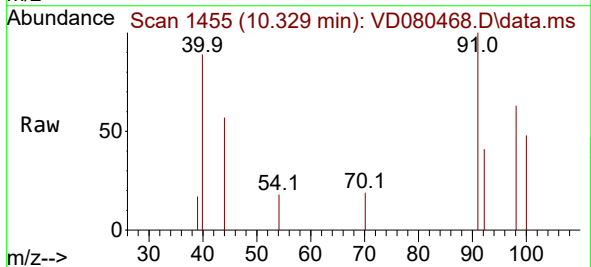
Acq: 23 Jun 2025 10:12

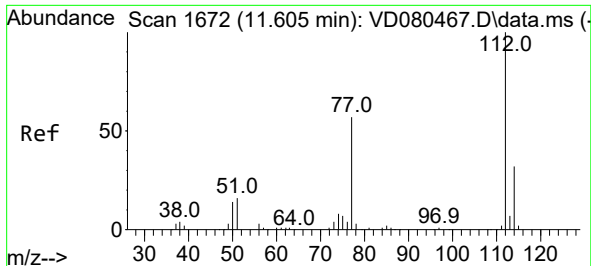
Tgt Ion: 91 Resp: 1603

Ion Ratio Lower Upper

91 100

92 41.4 42.6 79.0#

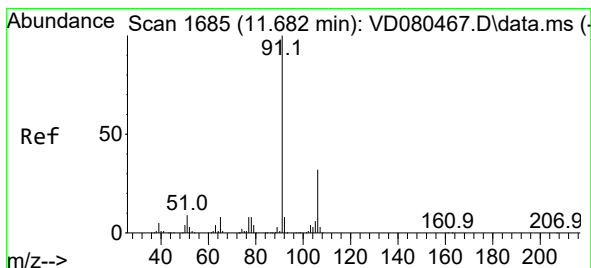
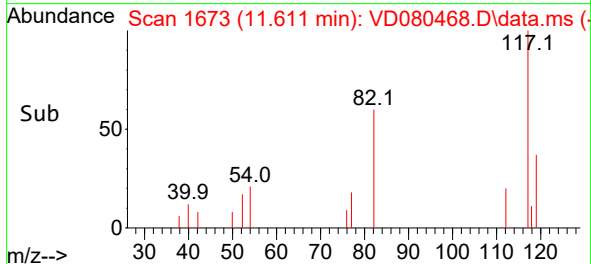
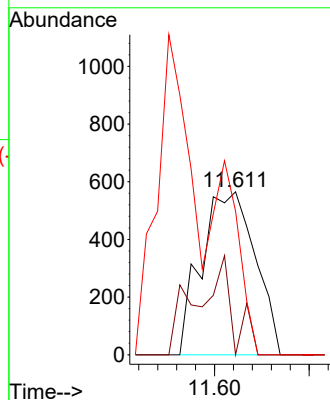
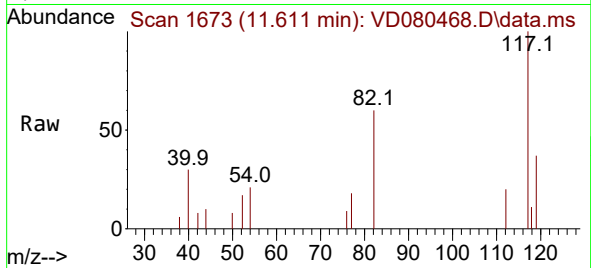




#51
Chlorobenzene
Concen: 0.15 ug/L
RT: 11.611 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VD080468.D
Acq: 23 Jun 2025 10:12

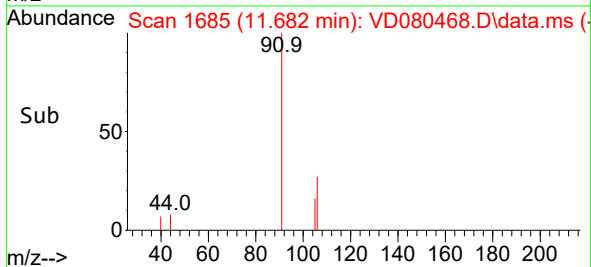
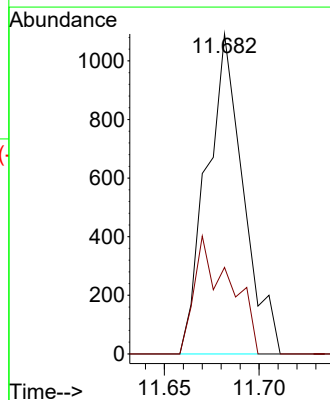
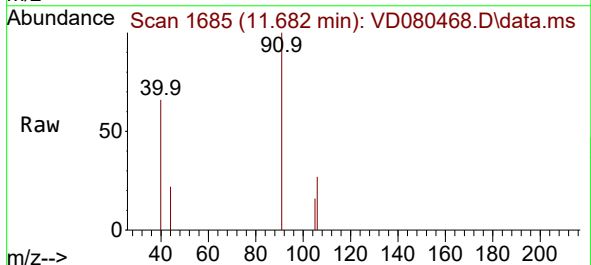
Instrument :
MSVOA_D
ClientSampleId :
VBLK212

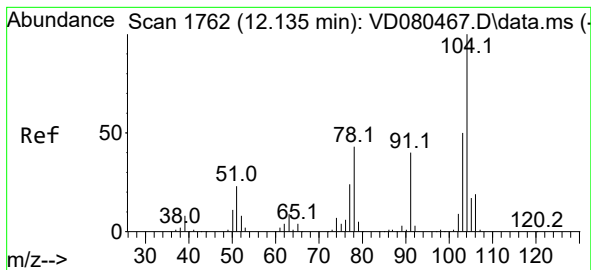
Tgt Ion:112 Resp: 1119
Ion Ratio Lower Upper
112 100
114 0.0 22.3 41.3#
77 88.1 44.2 66.4#



#52
Ethylbenzene
Concen: 0.12 ug/L
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080468.D
Acq: 23 Jun 2025 10:12

Tgt Ion: 91 Resp: 1469
Ion Ratio Lower Upper
91 100
106 27.0 22.1 41.1





#55

Styrene

Concen: 0.12 ug/L

RT: 12.135 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080468.D

Acq: 23 Jun 2025 10:12

Instrument :

MSVOA_D

ClientSampleId :

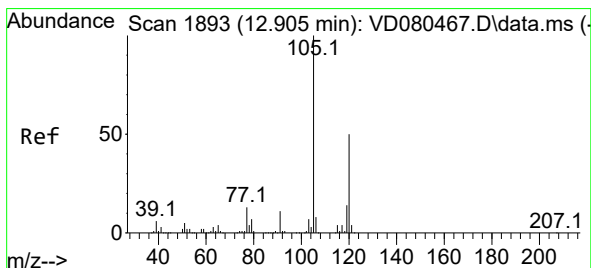
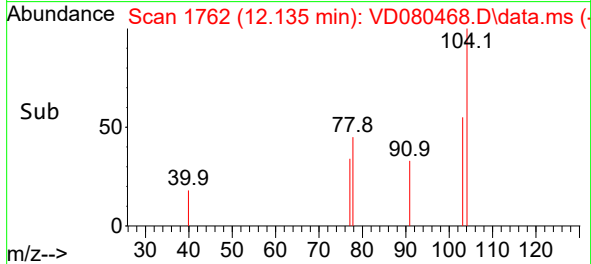
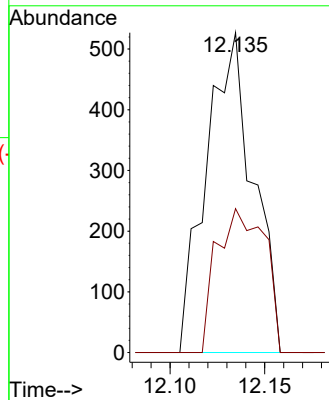
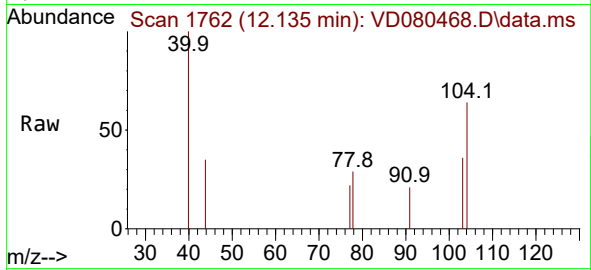
VBLK212

Tgt Ion:104 Resp: 907

Ion Ratio Lower Upper

104 100

78 45.0 30.0 55.8



#62

1,3,5-Trimethylbenzene

Concen: 0.17 ug/L

RT: 13.211 min Scan# 1945

Delta R.T. 0.306 min

Lab File: VD080468.D

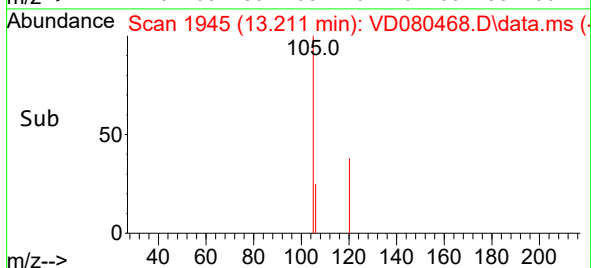
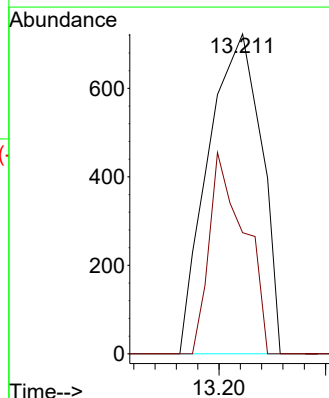
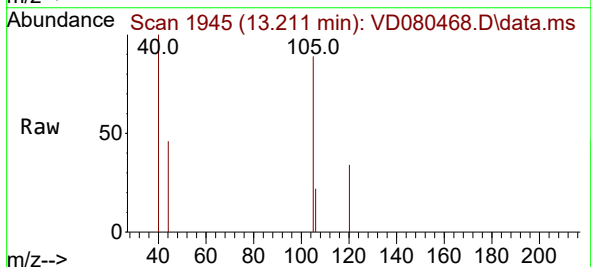
Acq: 23 Jun 2025 10:12

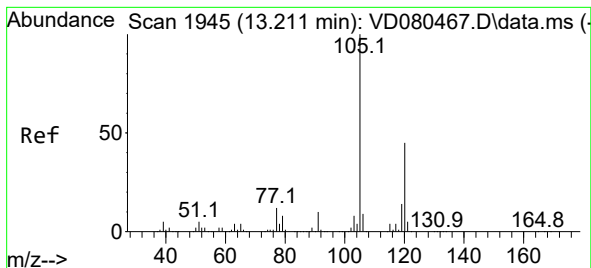
Tgt Ion:105 Resp: 1254

Ion Ratio Lower Upper

105 100

120 41.9 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 0.17 ug/L

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080468.D

Acq: 23 Jun 2025 10:12

Instrument :

MSVOA_D

ClientSampleId :

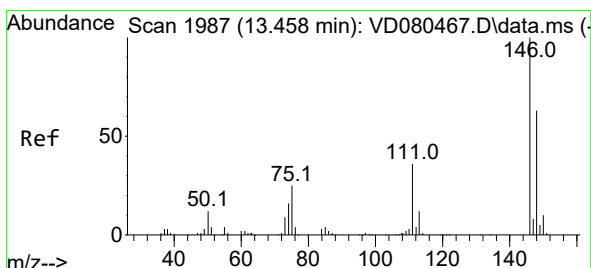
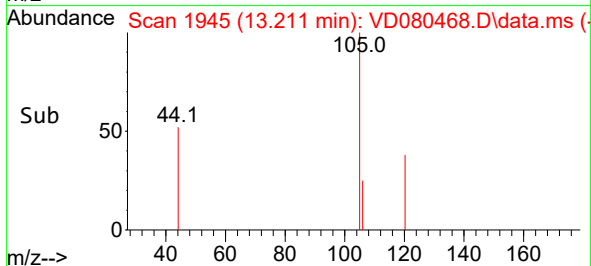
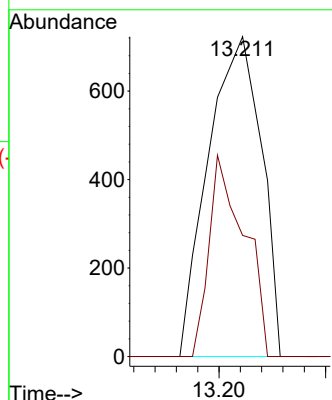
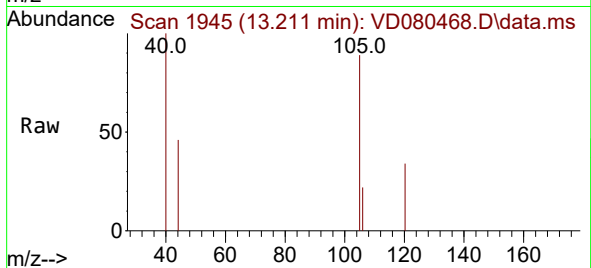
VBLK212

Tgt Ion:105 Resp: 1254

Ion Ratio Lower Upper

105 100

120 41.9 37.5 56.3



#64

1,3-Dichlorobenzene

Concen: 0.17 ug/L

RT: 13.452 min Scan# 1986

Delta R.T. -0.006 min

Lab File: VD080468.D

Acq: 23 Jun 2025 10:12

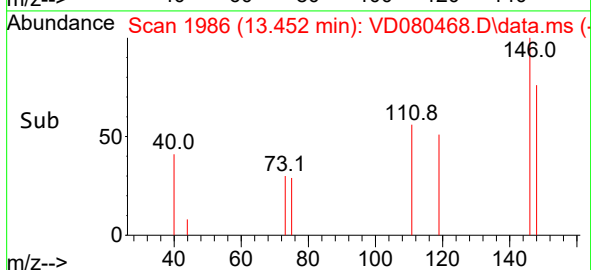
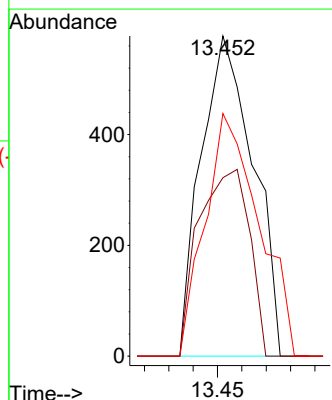
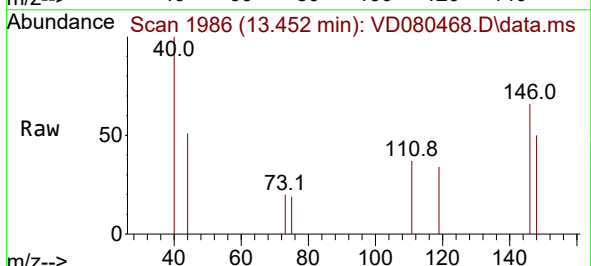
Tgt Ion:146 Resp: 862

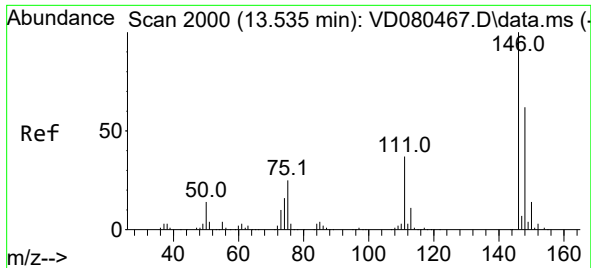
Ion Ratio Lower Upper

146 100

111 55.7 25.4 47.2#

148 75.8 42.8 79.6

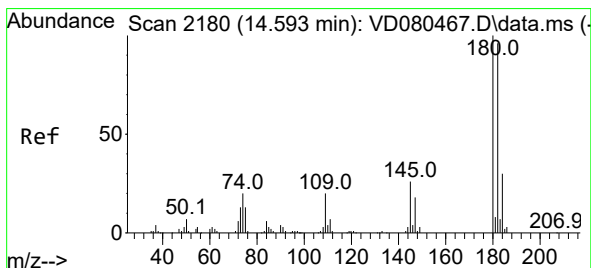
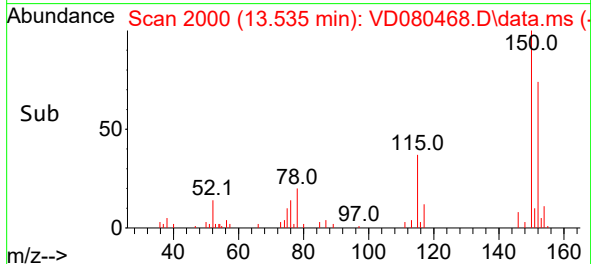
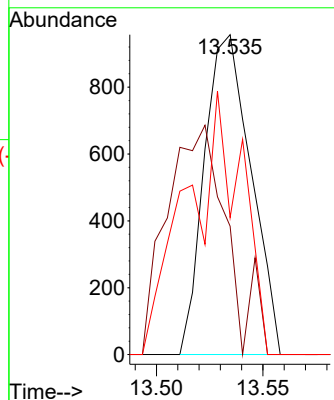
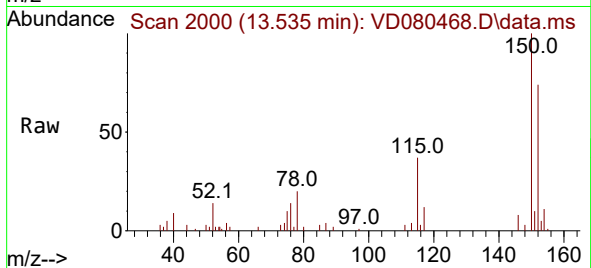




#65
1,4-Dichlorobenzene
Concen: 0.28 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080468.D
Acq: 23 Jun 2025 10:12

Instrument :
MSVOA_D
ClientSampleId :
VBLK212

Tgt Ion:146 Resp: 1455
Ion Ratio Lower Upper
146 100
111 40.1 24.5 45.5
148 42.8 44.6 82.8#



#69
1,3,5-Trichlorobenzene
Concen: 0.20 ug/L
RT: 14.587 min Scan# 2179
Delta R.T. -0.006 min
Lab File: VD080468.D
Acq: 23 Jun 2025 10:12

Tgt Ion:180 Resp: 689
Ion Ratio Lower Upper
180 100
182 76.5 77.0 115.4#
184 36.3 24.9 37.3
145 0.0 22.3 33.5#

