

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062025\
 Data File : VD080463.D
 Acq On : 20 Jun 2025 11:24
 Operator : RP/MD
 Sample : VD0620SBL01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VBLK211

Quant Time: Jun 23 08:53:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 23 08:51:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	203170	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	198589	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	87609	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	67560	19.62	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.48%		
7) Chloroethane-d5	2.811	69	62796	21.36	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	85.44%		
11) 1,1-Dichloroethene-d2	3.923	65	24318	20.92	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	83.68%		
21) 2-Butanone-d5	6.988	46	23942	41.92	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	83.84%		
24) Chloroform-d	7.576	84	125913	22.51	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.04%		
26) 1,2-Dichloroethane-d4	8.235	65	63835	22.32	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	89.28%		
32) Benzene-d6	8.205	84	238502	21.84	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	87.36%		
36) 1,2-Dichloropropane-d6	9.211	67	79847	22.28	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.12%		
41) Toluene-d8	10.270	98	224389	21.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	87.92%		
43) trans-1,3-Dichloroprop...	10.523	79	31568	21.15	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	84.60%		
47) 2-Hexanone-d5	10.876	63	20787	38.20	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	76.40%		
56) 1,1,2,2-Tetrachloroeth...	12.652	84	65085	20.09	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	80.36%		
66) 1,2-Dichlorobenzene-d4	13.811	152	77530	24.40	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	97.60%		
Target Compounds						Qvalue
6) Bromomethane	2.694	94	523	0.23	ug/L	78
25) Chloroform	7.599	83	7215	1.25	ug/L	91
42) Toluene	10.335	91	1583	0.13	ug/L	88
44) trans-1,3-Dichloropropene	10.523	75	1504	0.39	ug/L	88
46) Tetrachloroethene	10.811	164	479	0.17	ug/L #	57
51) Chlorobenzene	11.599	112	1276	0.15	ug/L #	92
52) Ethylbenzene	11.687	91	1897	0.15	ug/L	87
55) Styrene	12.134	104	1079	0.13	ug/L	100
60) Isopropylbenzene	12.417	105	1425	0.14	ug/L #	82
62) 1,3,5-Trimethylbenzene	12.899	105	1275	0.16	ug/L #	81
63) 1,2,4-Trimethylbenzene	13.211	105	1596	0.20	ug/L #	51
64) 1,3-Dichlorobenzene	13.452	146	1165	0.21	ug/L	89
65) 1,4-Dichlorobenzene	13.534	146	1521	0.27	ug/L #	78
67) 1,2-Dichlorobenzene	13.823	146	1268	0.26	ug/L #	67
69) 1,3,5-Trichlorobenzene	14.587	180	1073	0.29	ug/L #	88
70) 1,2,4-trichlorobenzene	15.093	180	1145	0.37	ug/L #	87

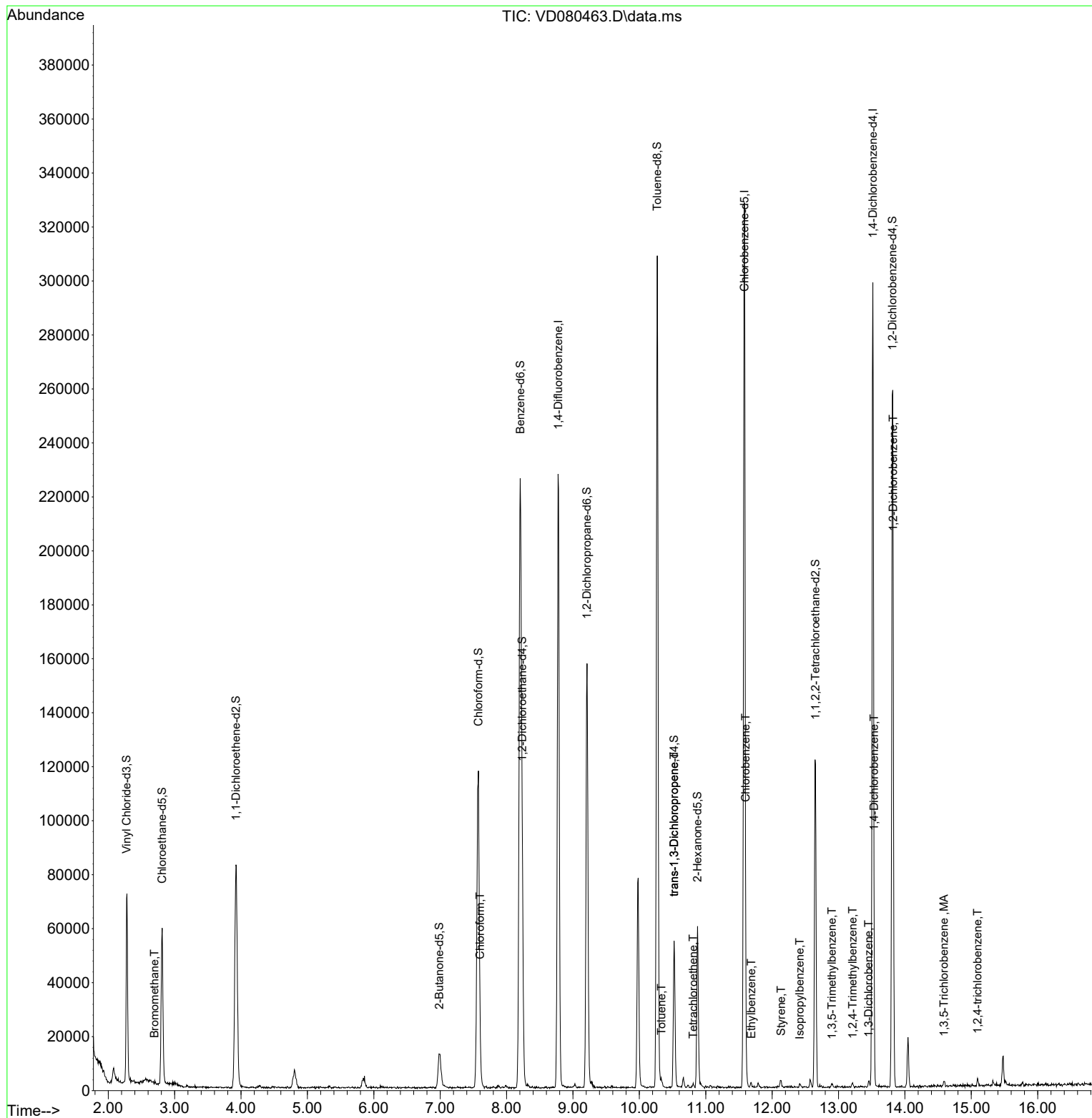
(#) = qualifier out of range (m) = manual integration (+) = signals summed

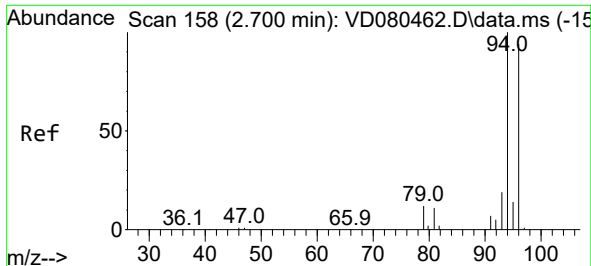
Instrument :
MSVOA_D
ClientSampleId :
VBLK211

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062025\
Data File : VD080463.D
Acq On : 20 Jun 2025 11:24
Operator : RP/MD
Sample : VD0620SBL01
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VBLK211

Quant Time: Jun 23 08:53:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Jun 23 08:51:45 2025
Response via : Initial Calibration

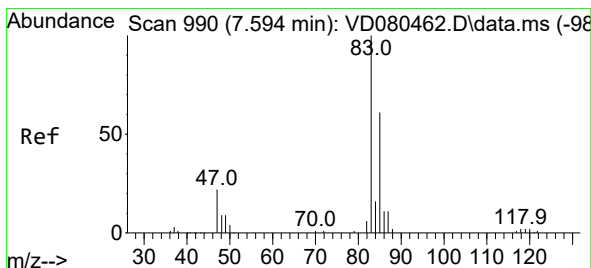
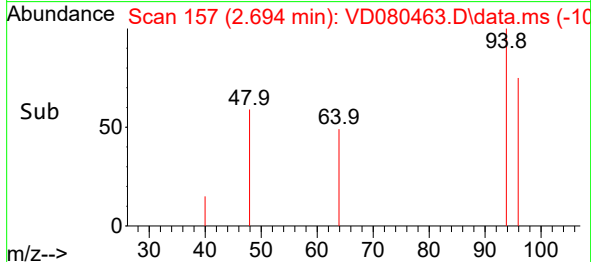
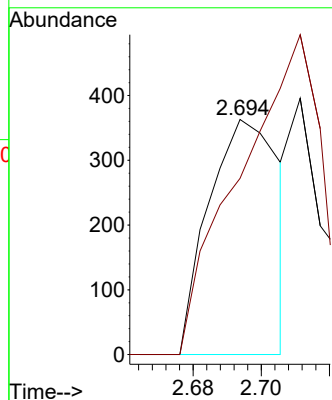
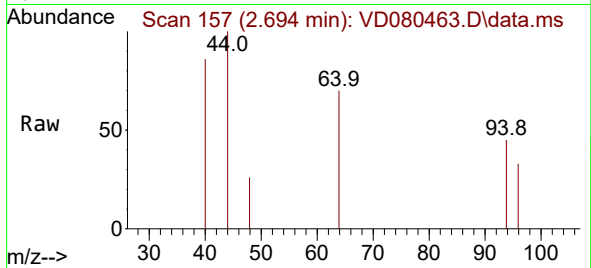




#6
Bromomethane
Concen: 0.23 ug/L
RT: 2.694 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

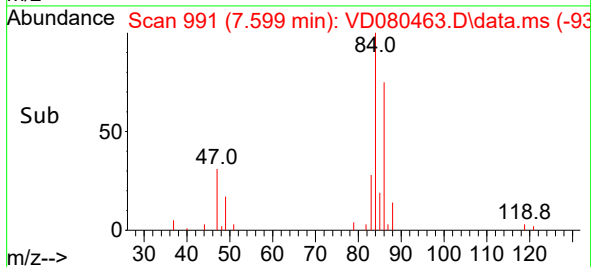
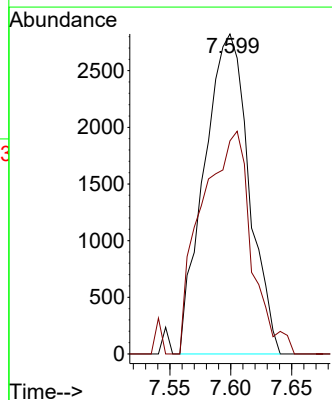
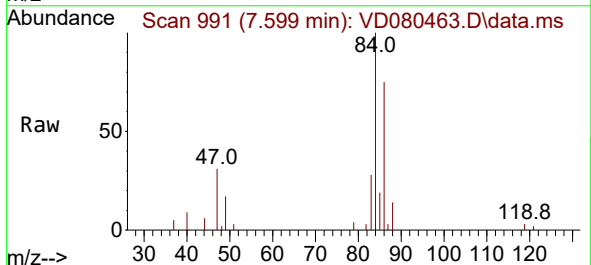
Instrument :
MSVOA_D
ClientSampleId :
VBLK211

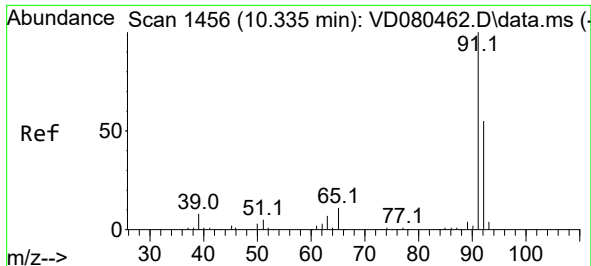
Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 74.9 67.6 125.6



#25
Chloroform
Concen: 1.25 ug/L
RT: 7.599 min Scan# 991
Delta R.T. 0.006 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

Tgt Ion: 83 Resp: 7215
Ion Ratio Lower Upper
83 100
85 66.6 42.0 78.0

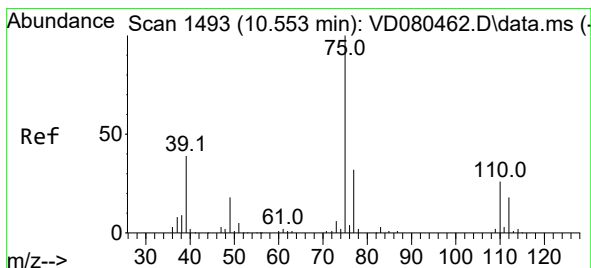
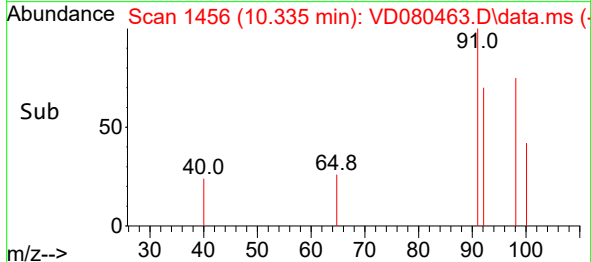
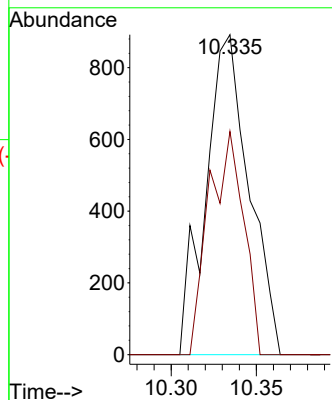
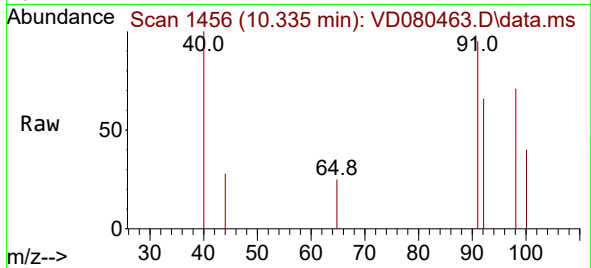




#42
Toluene
Concen: 0.13 ug/L
RT: 10.335 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

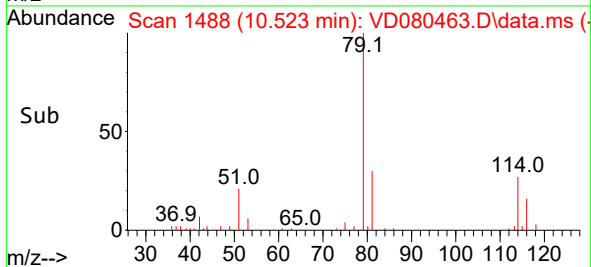
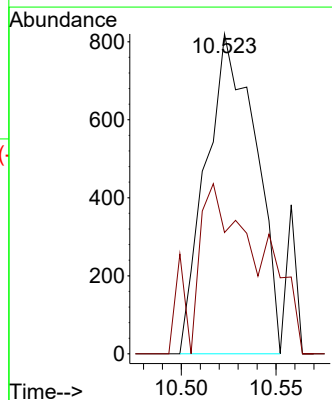
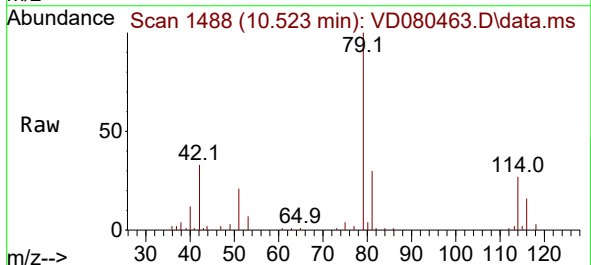
Instrument :
MSVOA_D
ClientSampleId :
VBLK211

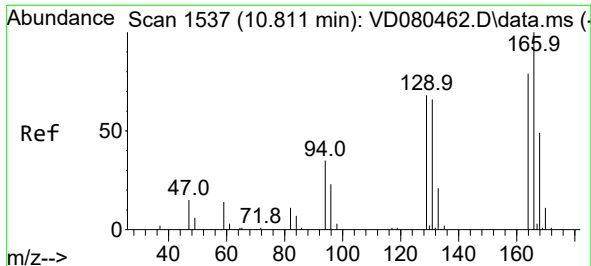
Tgt Ion: 91 Resp: 1583
Ion Ratio Lower Upper
91 100
92 69.7 42.6 79.0



#44
trans-1,3-Dichloropropene
Concen: 0.39 ug/L
RT: 10.523 min Scan# 1488
Delta R.T. -0.030 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

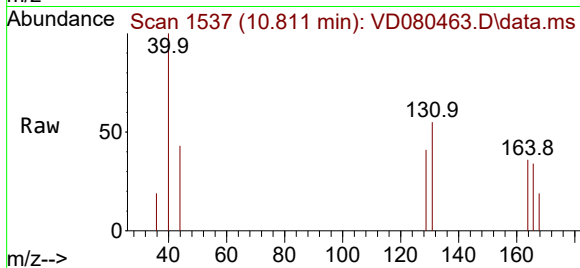
Tgt Ion: 75 Resp: 1504
Ion Ratio Lower Upper
75 100
77 37.9 21.8 40.6



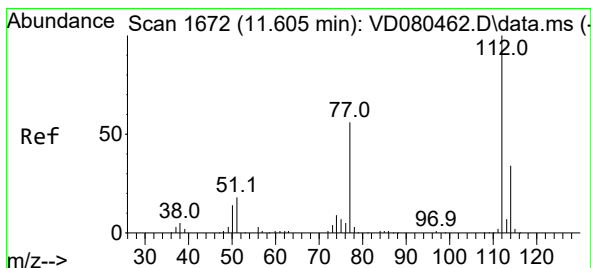
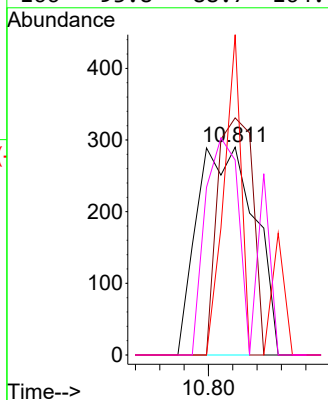
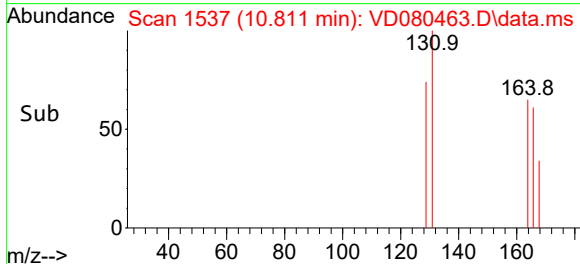


#46
Tetrachloroethene
Concen: 0.17 ug/L
RT: 10.811 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

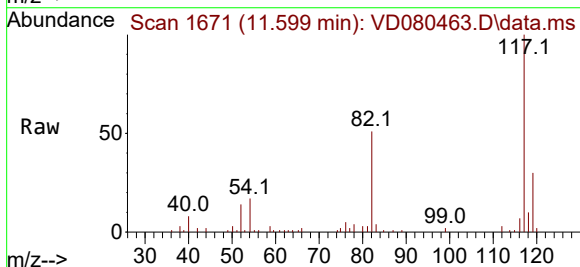
Instrument :
MSVOA_D
ClientSampleId :
VBLK211



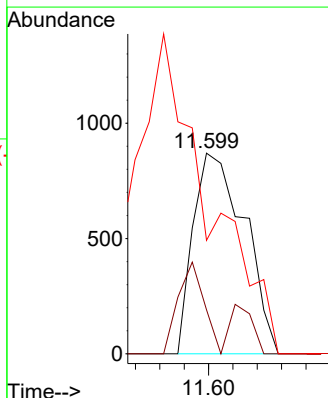
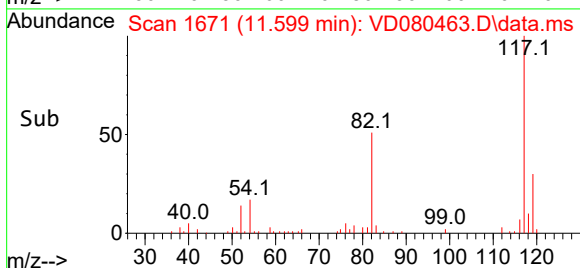
Tgt Ion:164 Resp: 479
Ion Ratio Lower Upper
164 100
129 114.1 59.7 110.9#
131 154.1 58.7 109.1#
166 93.8 88.7 164.7

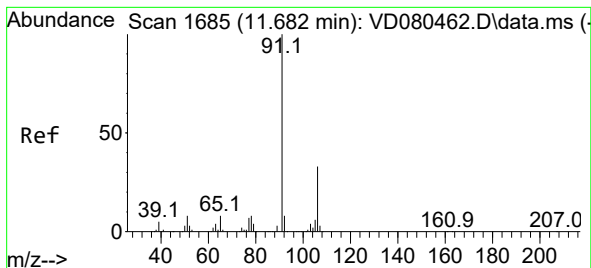


#51
Chlorobenzene
Concen: 0.15 ug/L
RT: 11.599 min Scan# 1671
Delta R.T. -0.006 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24



Tgt Ion:112 Resp: 1276
Ion Ratio Lower Upper
112 100
114 22.0 22.3 41.3#
77 56.6 44.2 66.4





#52

Ethylbenzene

Concen: 0.15 ug/L

RT: 11.687 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD080463.D

Acq: 20 Jun 2025 11:24

Instrument :

MSVOA_D

ClientSampleId :

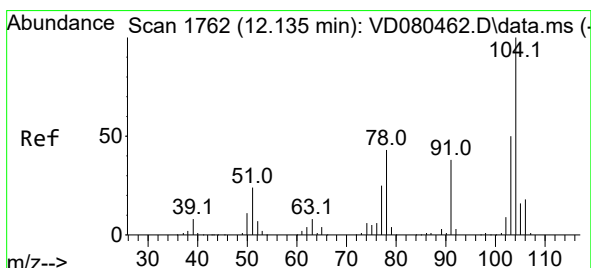
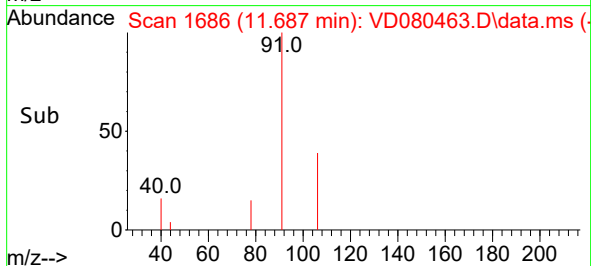
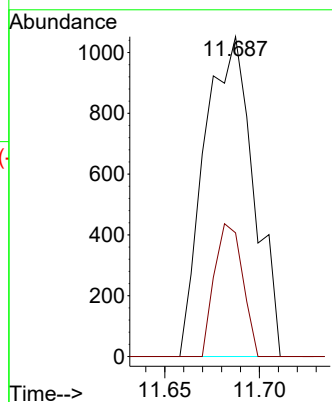
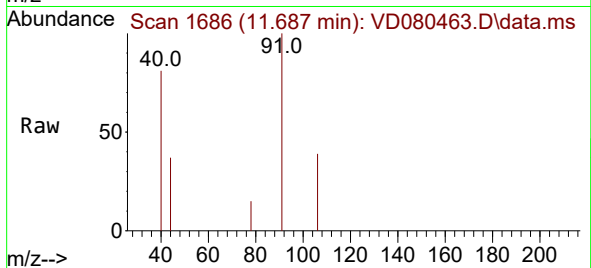
VBLK211

Tgt Ion: 91 Resp: 1897

Ion Ratio Lower Upper

91 100

106 38.7 22.1 41.1



#55

Styrene

Concen: 0.13 ug/L

RT: 12.134 min Scan# 1762

Delta R.T. -0.000 min

Lab File: VD080463.D

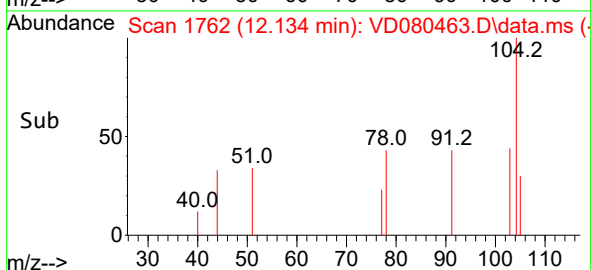
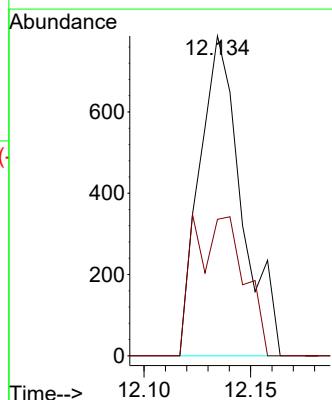
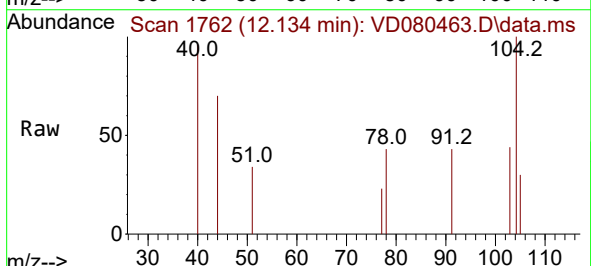
Acq: 20 Jun 2025 11:24

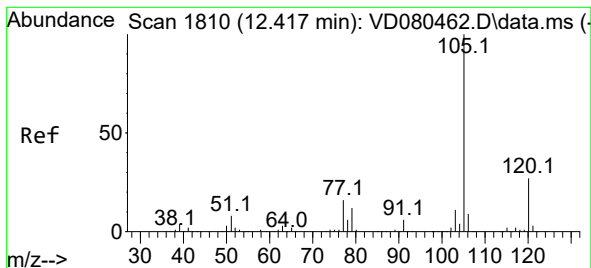
Tgt Ion: 104 Resp: 1079

Ion Ratio Lower Upper

104 100

78 42.7 30.0 55.8





#60

Isopropylbenzene

Concen: 0.14 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD080463.D

Acq: 20 Jun 2025 11:24

Instrument :

MSVOA_D

ClientSampleId :

VBLK211

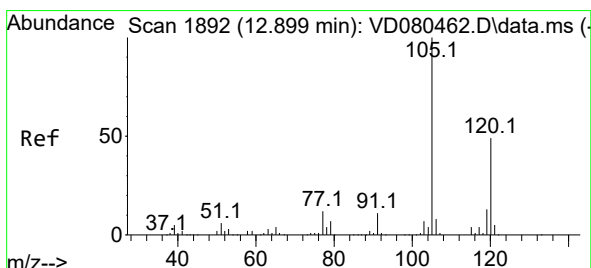
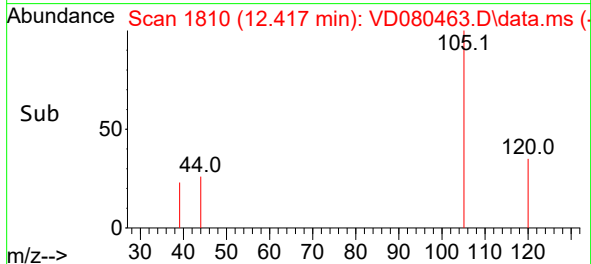
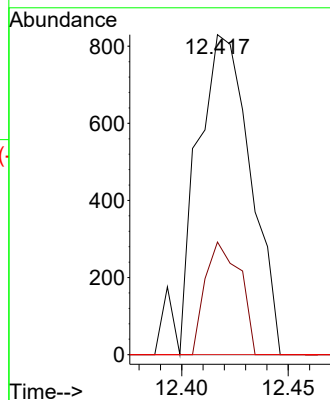
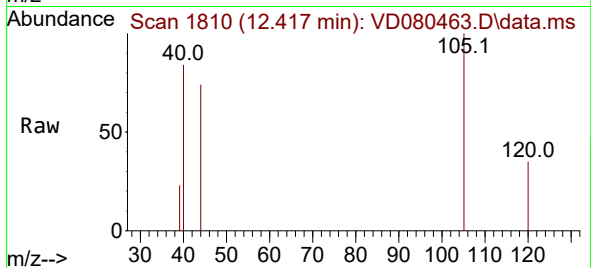
Tgt Ion:105 Resp: 1425

Ion Ratio Lower Upper

105 100

120 23.4 22.1 33.1

77 0.0 12.1 18.1#



#62

1,3,5-Trimethylbenzene

Concen: 0.16 ug/L

RT: 12.899 min Scan# 1892

Delta R.T. -0.000 min

Lab File: VD080463.D

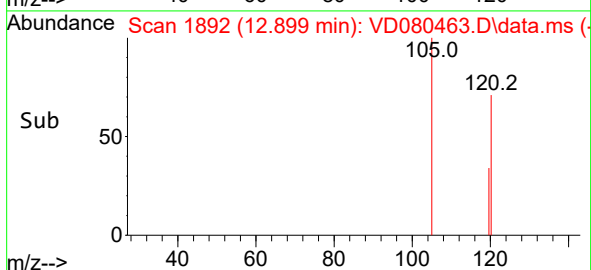
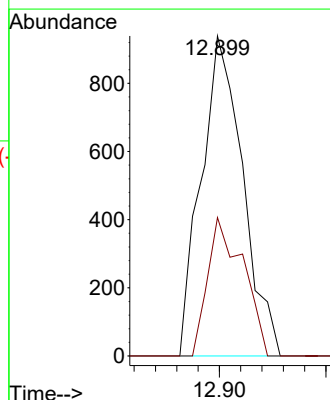
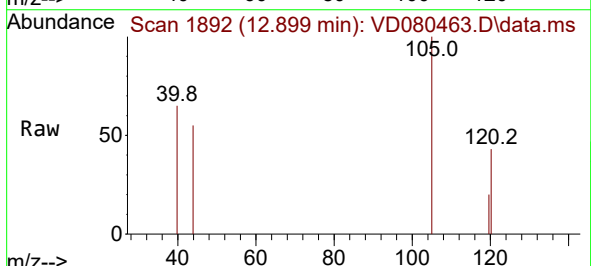
Acq: 20 Jun 2025 11:24

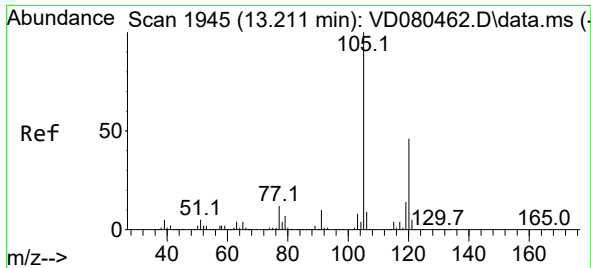
Tgt Ion:105 Resp: 1275

Ion Ratio Lower Upper

105 100

120 36.9 40.1 60.1#

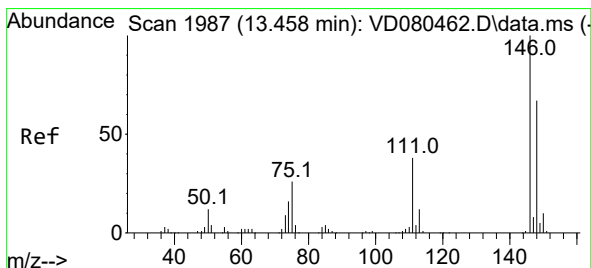
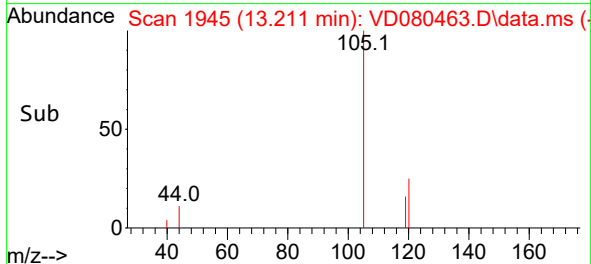
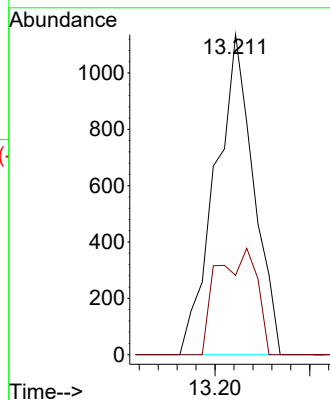
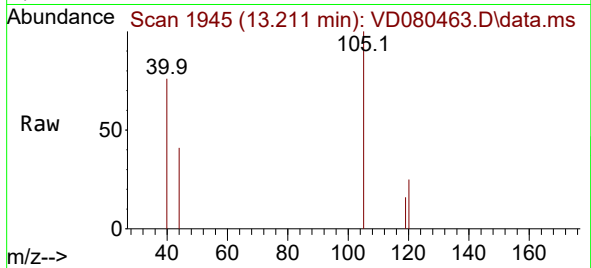




#63
1,2,4-Trimethylbenzene
Concen: 0.20 ug/L
RT: 13.211 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

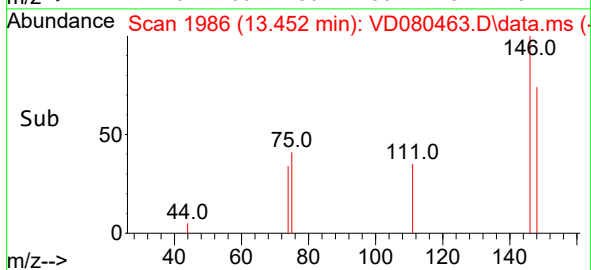
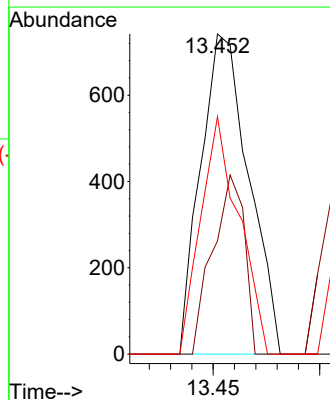
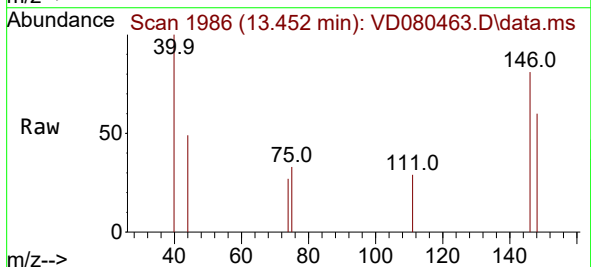
Instrument :
MSVOA_D
ClientSampleId :
VBLK211

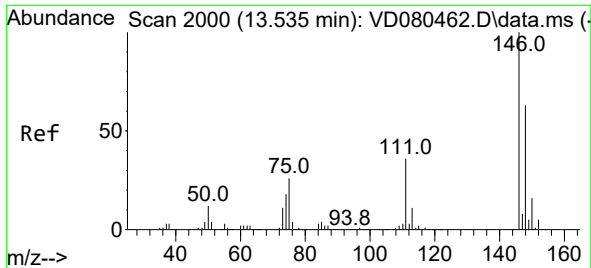
Tgt Ion:105 Resp: 1596
Ion Ratio Lower Upper
105 100
120 14.3 37.5 56.3#



#64
1,3-Dichlorobenzene
Concen: 0.21 ug/L
RT: 13.452 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

Tgt Ion:146 Resp: 1165
Ion Ratio Lower Upper
146 100
111 35.3 25.4 47.2
148 74.1 42.8 79.6

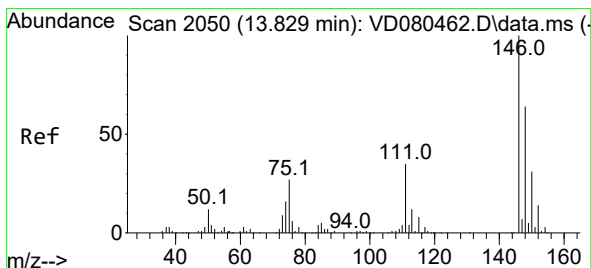
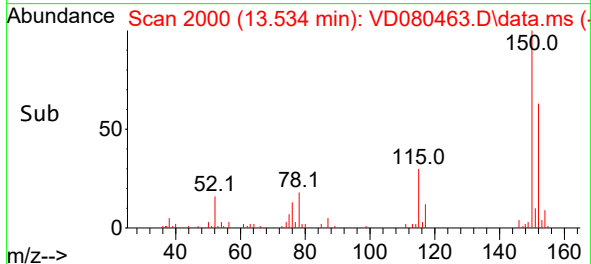
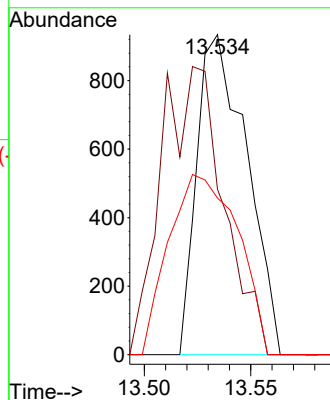
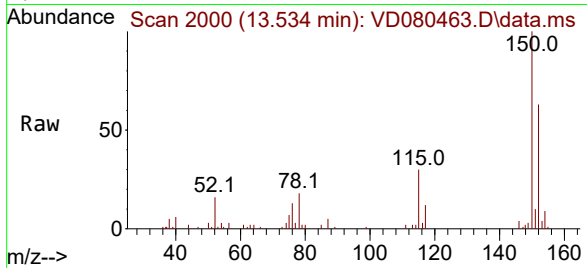




#65
1,4-Dichlorobenzene
Concen: 0.27 ug/L
RT: 13.534 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

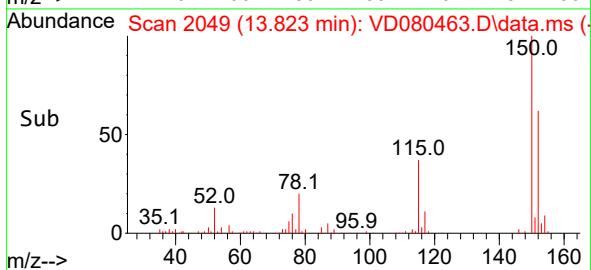
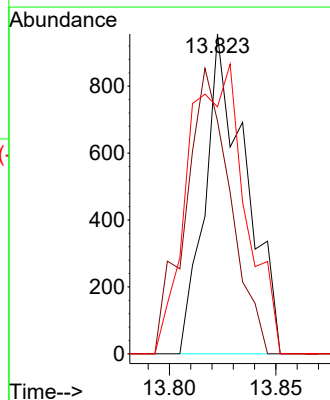
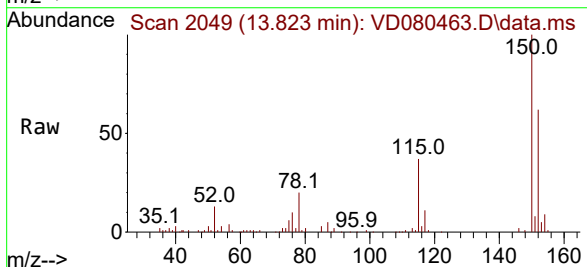
Instrument :
MSVOA_D
ClientSampleId :
VBLK211

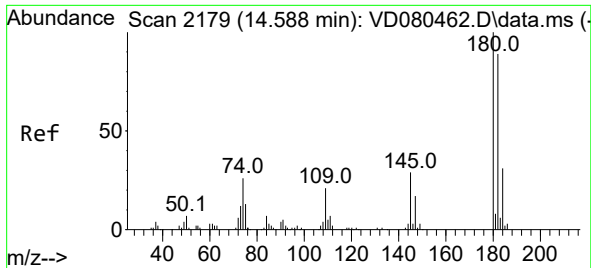
Tgt Ion:146 Resp: 1521
Ion Ratio Lower Upper
146 100
111 51.7 24.5 45.5#
148 48.9 44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 0.26 ug/L
RT: 13.823 min Scan# 2049
Delta R.T. -0.006 min
Lab File: VD080463.D
Acq: 20 Jun 2025 11:24

Tgt Ion:146 Resp: 1268
Ion Ratio Lower Upper
146 100
111 72.8 32.0 48.0#
148 77.2 49.7 74.5#

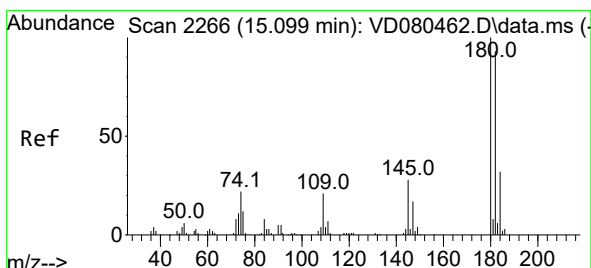
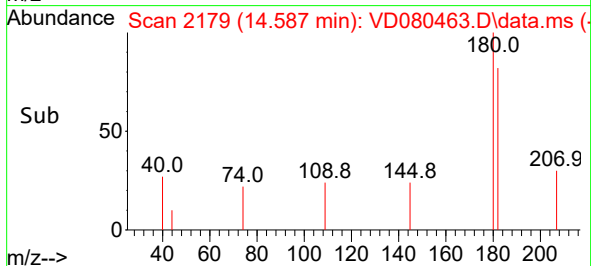
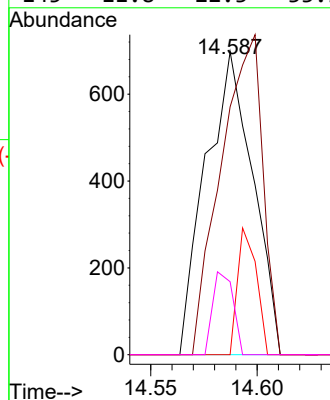
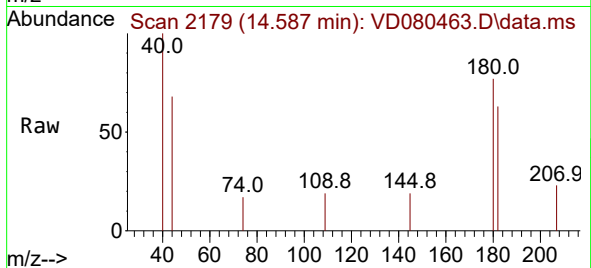




#69
 1,3,5-Trichlorobenzene
 Concen: 0.29 ug/L
 RT: 14.587 min Scan# 2179
 Delta R.T. -0.000 min
 Lab File: VD080463.D
 Acq: 20 Jun 2025 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VBLK211

Tgt Ion:180	Resp:	1073
Ion	Ratio	Lower Upper
180	100	
182	93.7	77.0 115.4
184	16.7	24.9 37.3#
145	11.8	22.3 33.5#



#70
 1,2,4-trichlorobenzene
 Concen: 0.37 ug/L
 RT: 15.093 min Scan# 2265
 Delta R.T. -0.006 min
 Lab File: VD080463.D
 Acq: 20 Jun 2025 11:24

Tgt Ion:180	Resp:	1145
Ion	Ratio	Lower Upper
180	100	
182	86.5	76.0 114.0
145	12.4	22.2 33.4#

