

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080366.D
 Acq On : 16 May 2025 12:55
 Operator : RP/MD
 Sample : Q2052-03
 Misc : 5.92G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-B-VOC

Quant Time: May 17 01:18:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

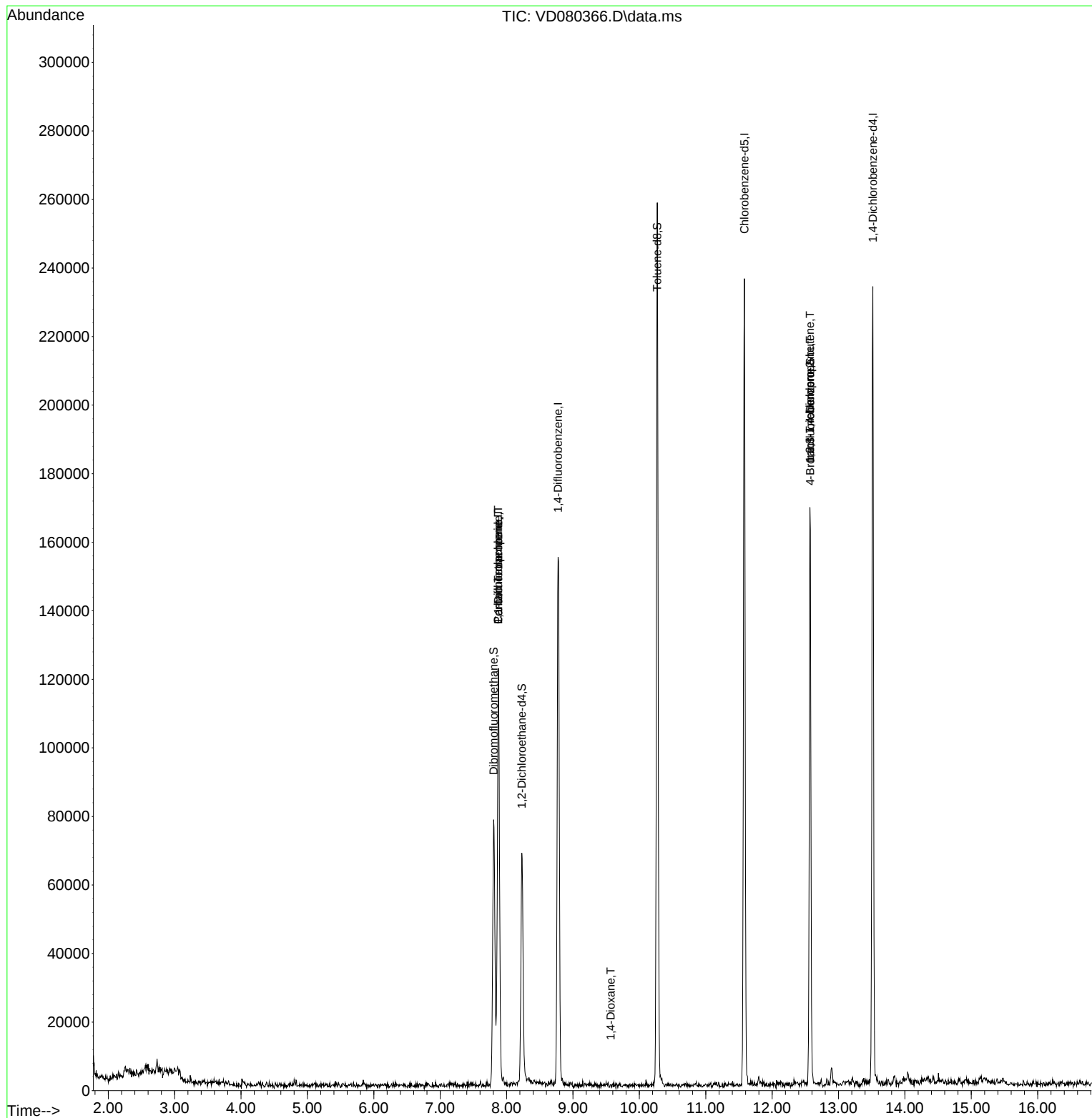
Internal Standards						
1) Pentafluorobenzene	7.876	168	86717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	140971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	130114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	61913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	52822	47.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.200%
35) Dibromofluoromethane	7.805	113	53145	56.248	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.500%
50) Toluene-d8	10.270	98	171213	45.991	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.980%
62) 4-Bromofluorobenzene	12.576	95	50693	42.425	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.147	50	168	Below Cal	#	14
16) Acetone	4.023	43	1848	Below Cal		95
20) Methylene Chloride	4.800	84	465	Below Cal	#	69
36) 1,1-Dichloropropene	7.876	75	7328	5.189	ug/l #	46
38) Carbon Tetrachloride	7.876	117	8898	6.042	ug/l #	17
49) 1,4-Dioxane	9.570	88	56	7.624	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	27738	46.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	27738	88.113	ug/l #	15

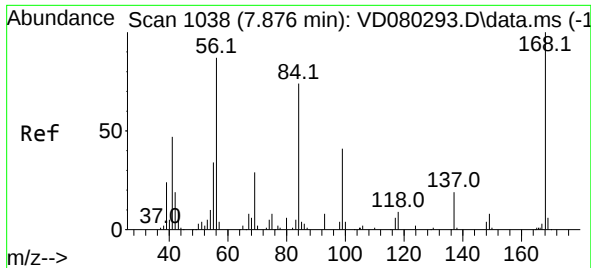
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

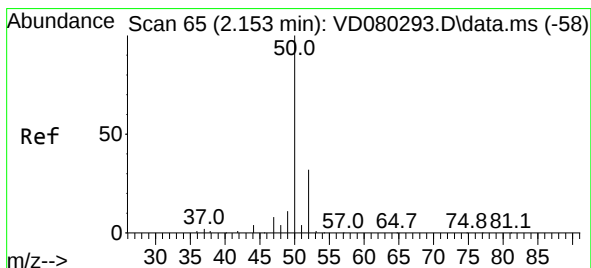
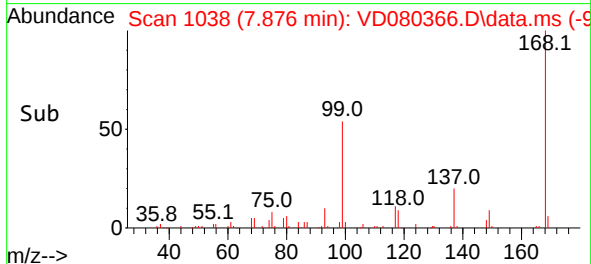
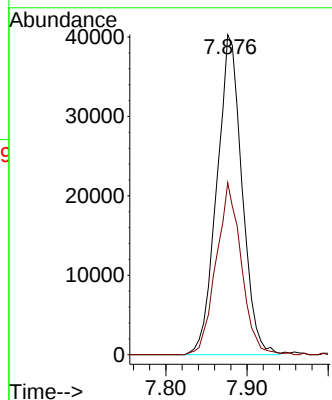
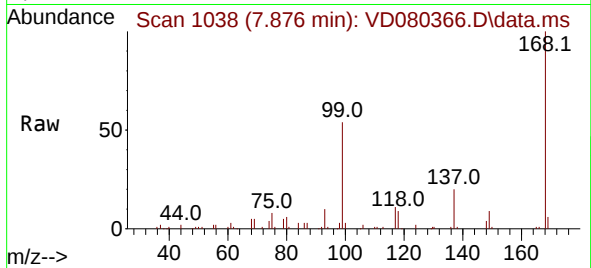




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080366.D
Acq: 16 May 2025 12:55

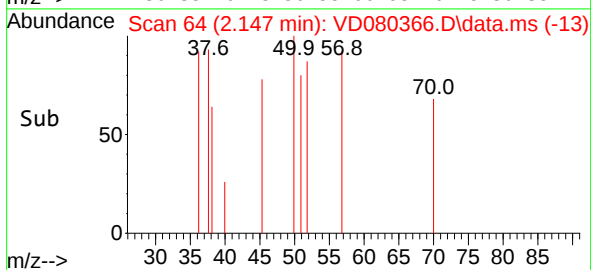
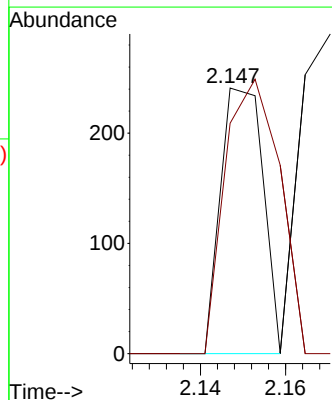
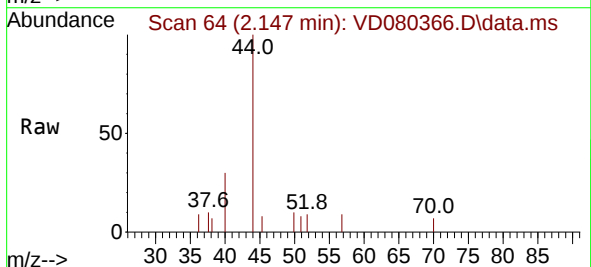
Instrument :
MSVOA_D
ClientSampleId :
TP-B-VOC

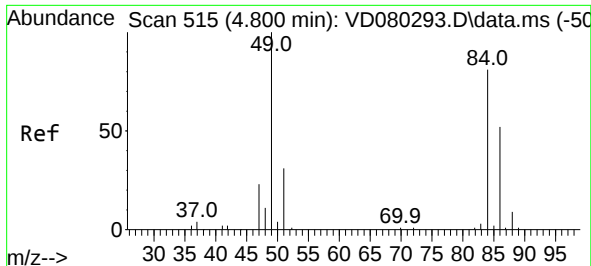
Tgt Ion:168 Resp: 86717
Ion Ratio Lower Upper
168 100
99 53.7 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 2.147 min Scan# 64
Delta R.T. 0.001 min
Lab File: VD080366.D
Acq: 16 May 2025 12:55

Tgt Ion: 50 Resp: 168
Ion Ratio Lower Upper
50 100
52 86.7 28.8 43.2#

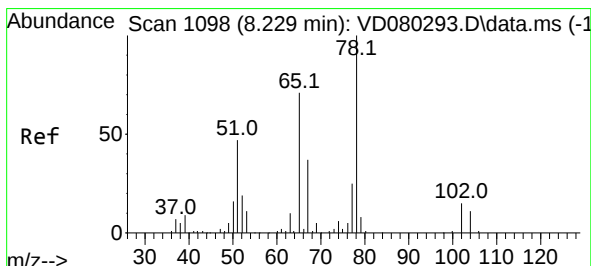
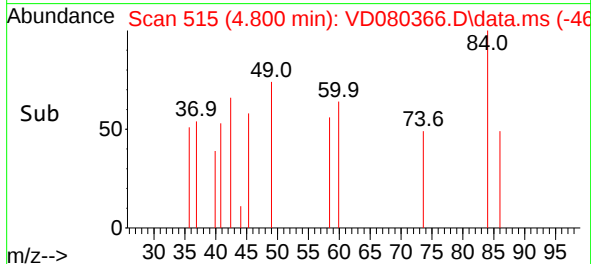
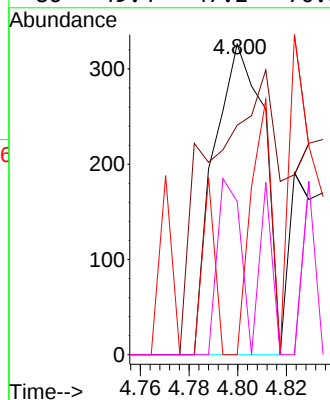
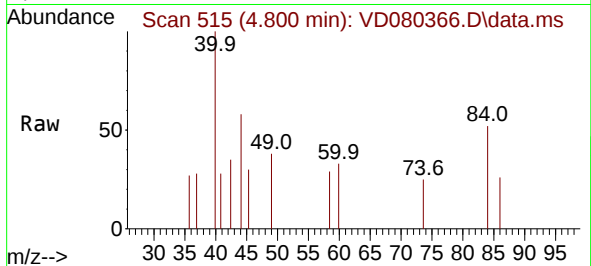




#20
Methylene Chloride
Concen: Below Cal
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080366.D
Acq: 16 May 2025 12:55

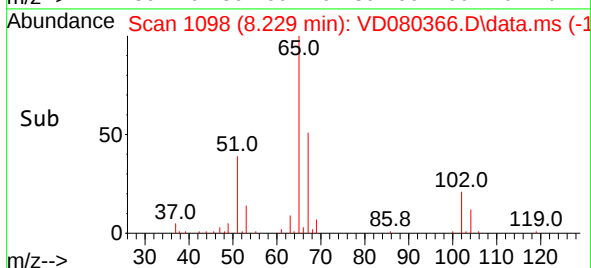
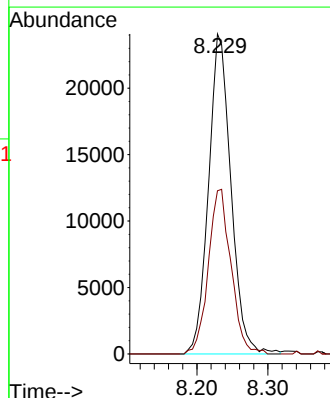
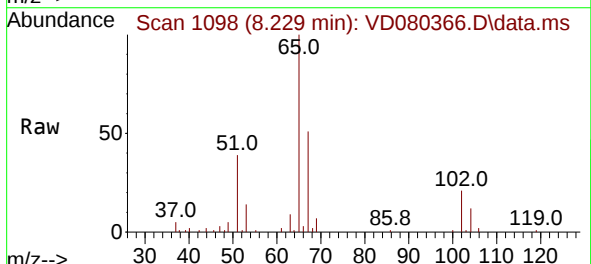
Instrument :
MSVOA_D
ClientSampleId :
TP-B-VOC

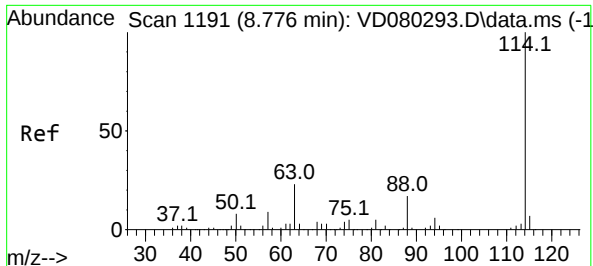
Tgt Ion:	84	Resp:	465
Ion	Ratio	Lower	Upper
84	100		
49	73.9	86.5	129.7#
51	0.0	26.9	40.3#
86	49.4	47.2	70.8



#33
1,2-Dichloroethane-d4
Concen: 47.104 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080366.D
Acq: 16 May 2025 12:55

Tgt Ion:	65	Resp:	52822
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080366.D

Acq: 16 May 2025 12:55

Instrument :

MSVOA_D

ClientSampleId :

TP-B-VOC

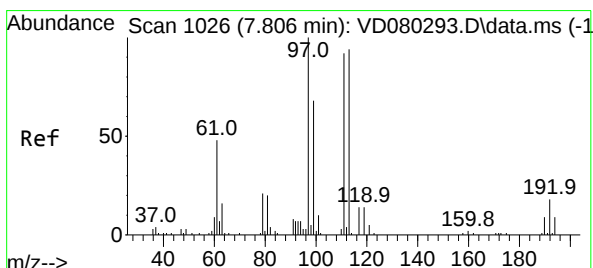
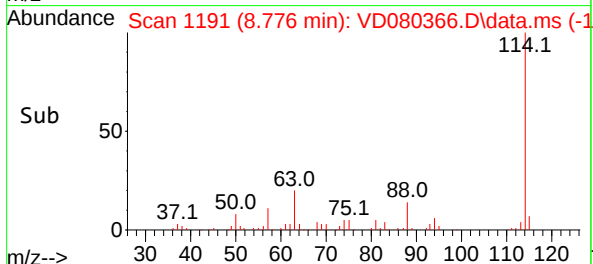
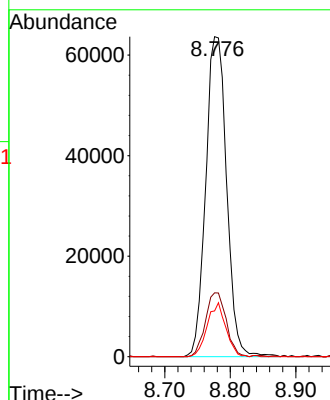
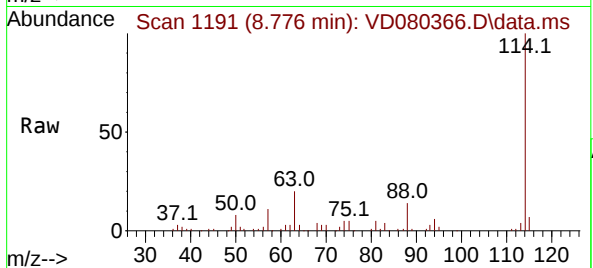
Tgt Ion:114 Resp: 140971

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.248 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080366.D

Acq: 16 May 2025 12:55

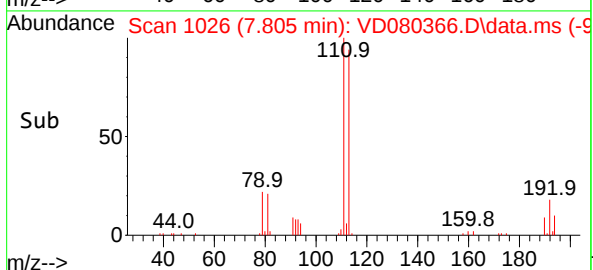
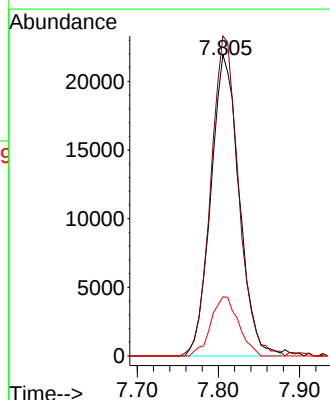
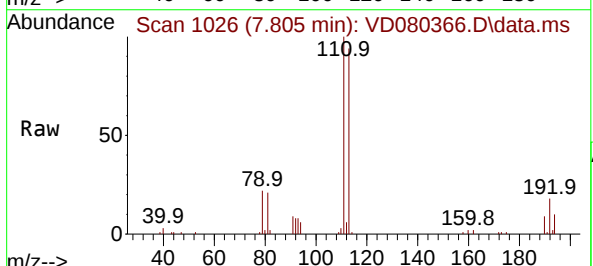
Tgt Ion:113 Resp: 53145

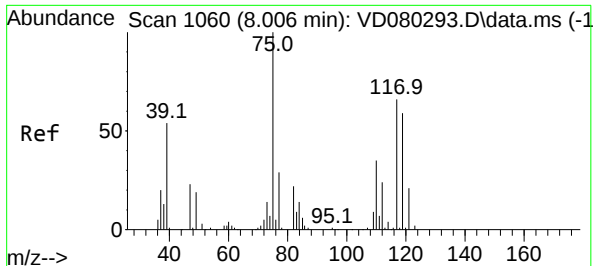
Ion Ratio Lower Upper

113 100

111 104.1 82.5 123.7

192 19.1 16.6 25.0





#36

1,1-Dichloropropene

Concen: 5.189 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080366.D

Acq: 16 May 2025 12:55

Instrument :

MSVOA_D

ClientSampleId :

TP-B-VOC

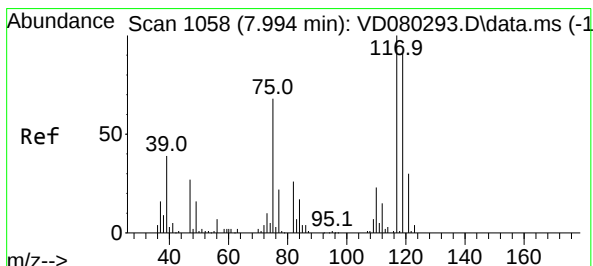
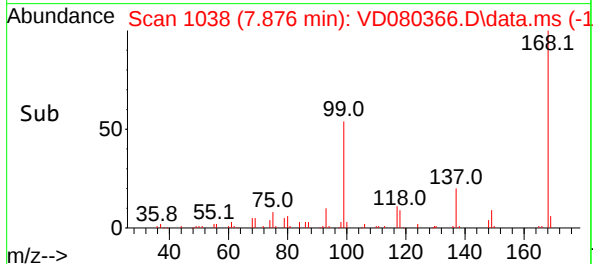
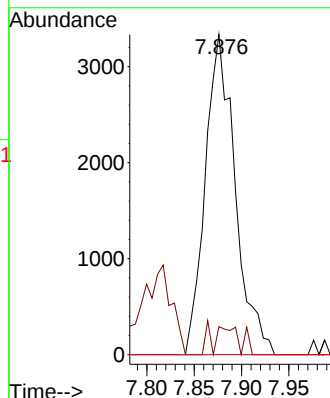
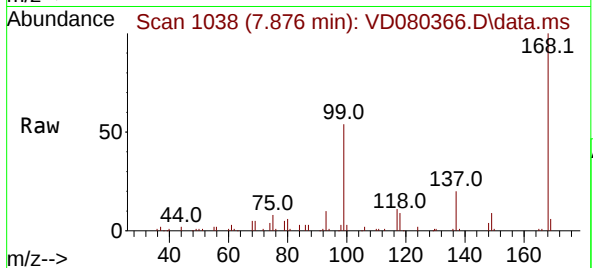
Tgt Ion: 75 Resp: 7328

Ion Ratio Lower Upper

75 100

110 6.7 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080366.D

Acq: 16 May 2025 12:55

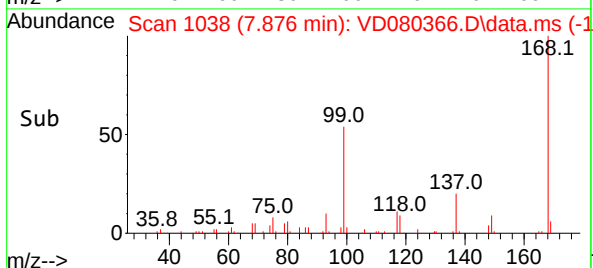
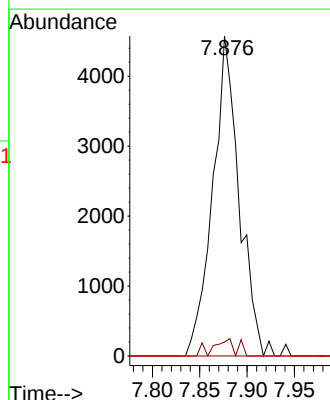
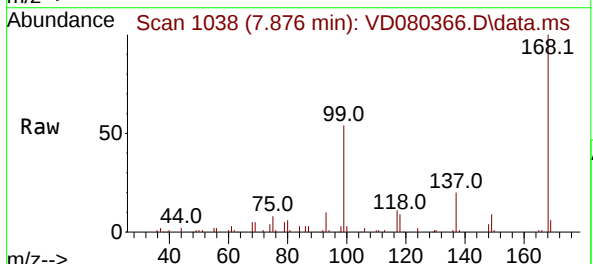
Tgt Ion: 117 Resp: 8898

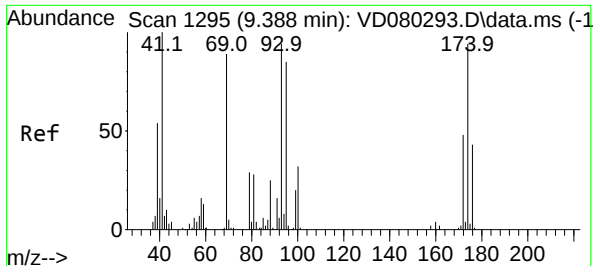
Ion Ratio Lower Upper

117 100

119 4.4 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 7.624 ug/l

RT: 9.570 min Scan# 11

Delta R.T. 0.183 min

Lab File: VD080366.D

Acq: 16 May 2025 12:55

Instrument :

MSVOA_D

ClientSampleId :

TP-B-VOC

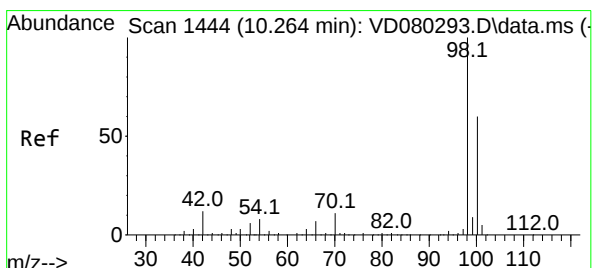
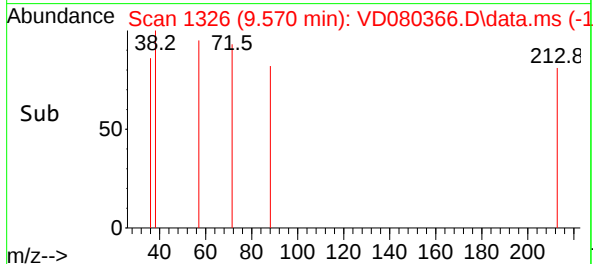
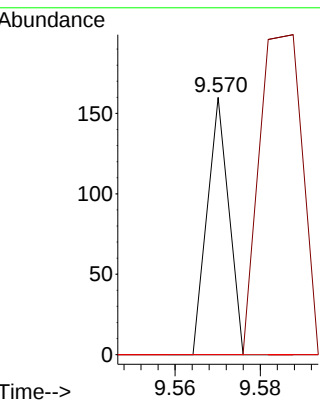
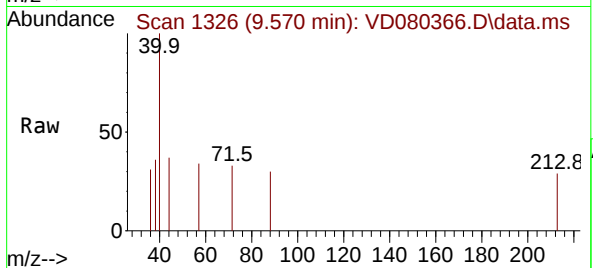
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 248.2 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 45.991 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080366.D

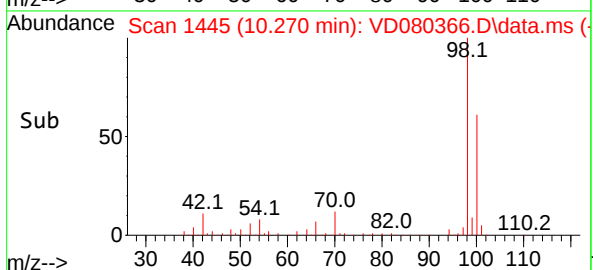
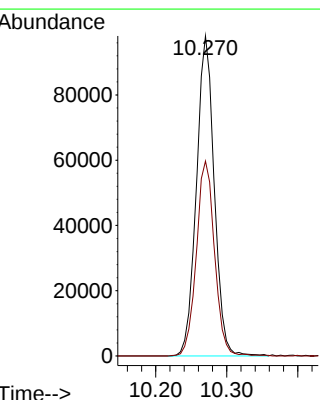
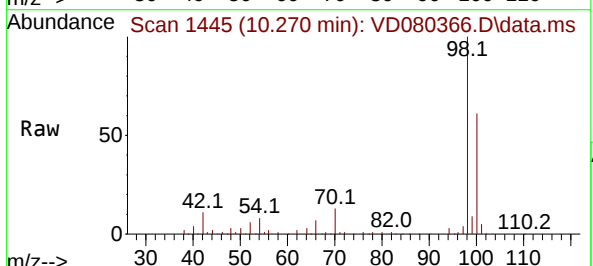
Acq: 16 May 2025 12:55

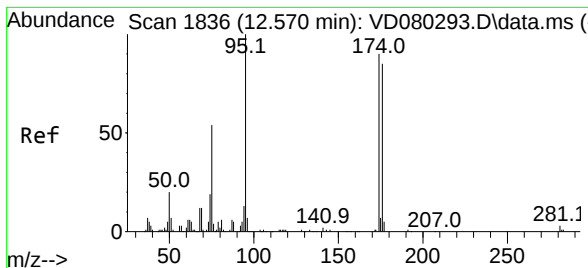
Tgt Ion: 98 Resp: 171213

Ion Ratio Lower Upper

98 100

100 62.2 50.2 75.4





#62

4-Bromofluorobenzene

Concen: 42.425 ug/l

RT: 12.576 min Scan# 1836

Delta R.T. 0.007 min

Lab File: VD080366.D

Acq: 16 May 2025 12:55

Instrument :

MSVOA_D

ClientSampleId :

TP-B-VOC

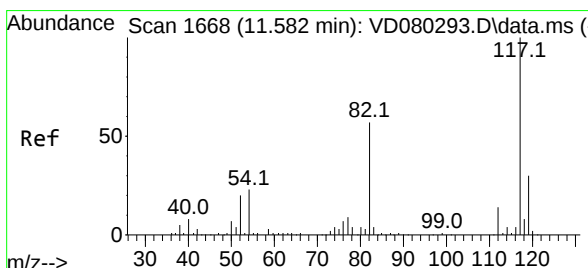
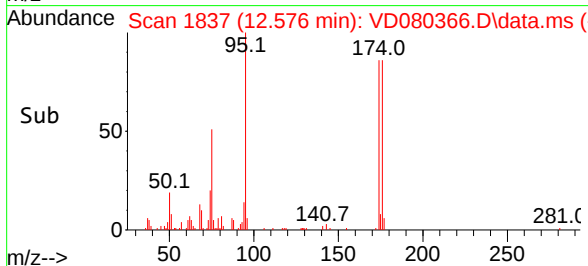
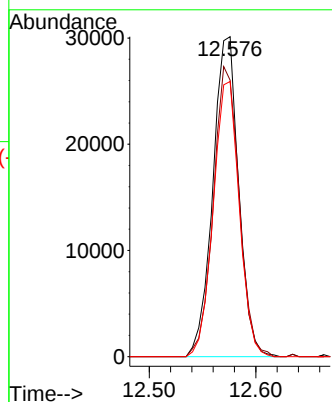
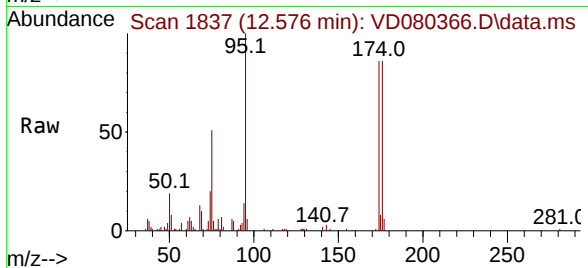
Tgt Ion: 95 Resp: 50693

Ion Ratio Lower Upper

95 100

174 90.4 0.0 173.4

176 86.3 0.0 166.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.582 min Scan# 1668

Delta R.T. 0.001 min

Lab File: VD080366.D

Acq: 16 May 2025 12:55

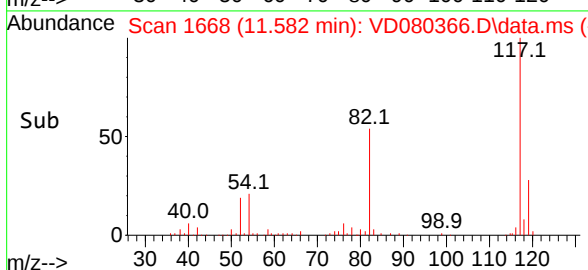
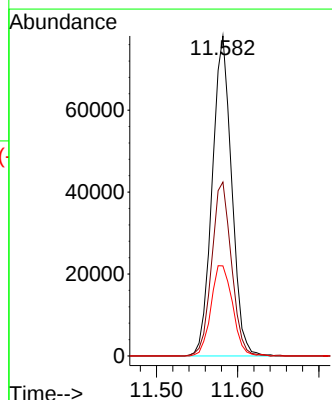
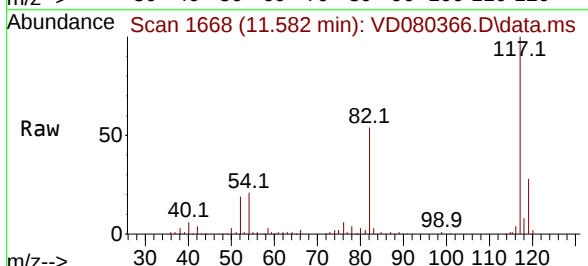
Tgt Ion: 117 Resp: 130114

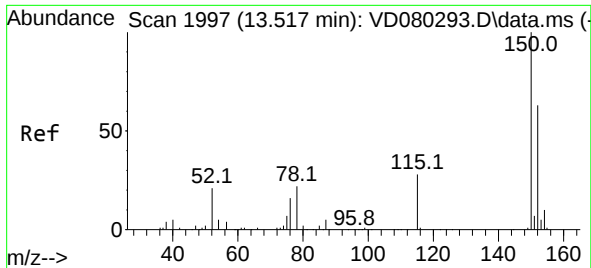
Ion Ratio Lower Upper

117 100

82 54.4 45.8 68.6

119 28.2 26.2 39.2

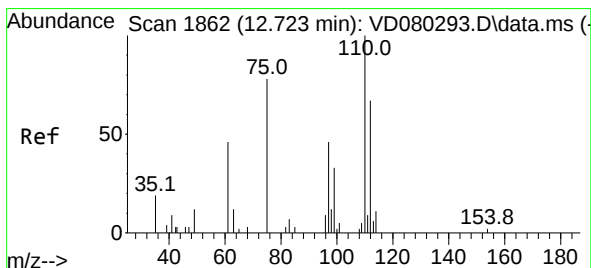
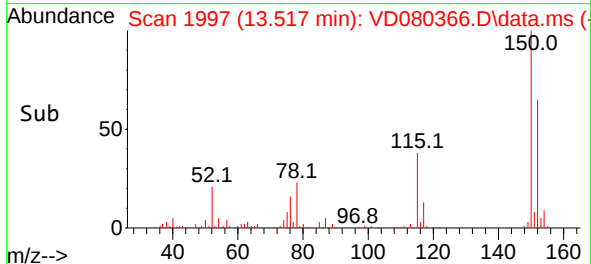
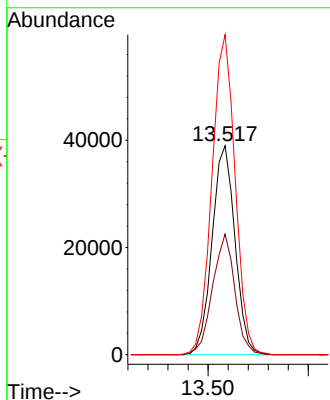
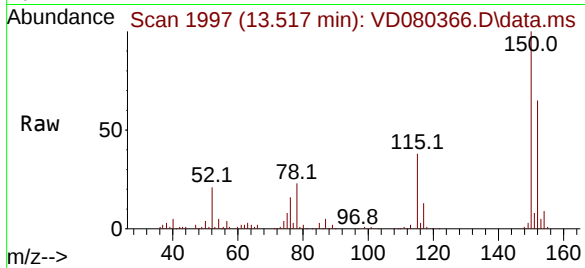




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080366.D
Acq: 16 May 2025 12:55

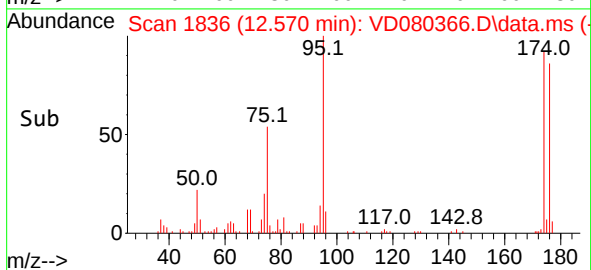
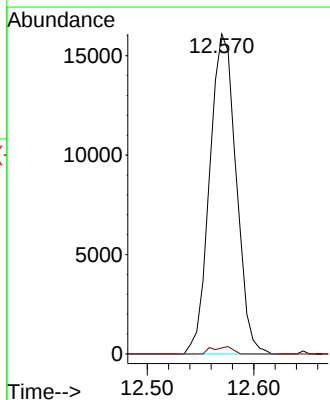
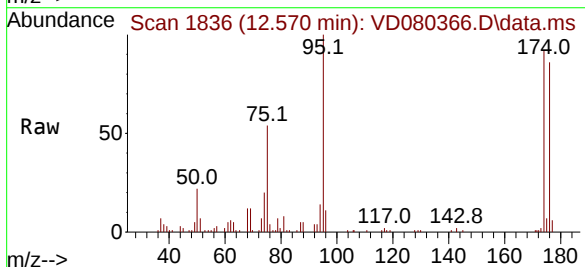
Instrument :
MSVOA_D
ClientSampleId :
TP-B-VOC

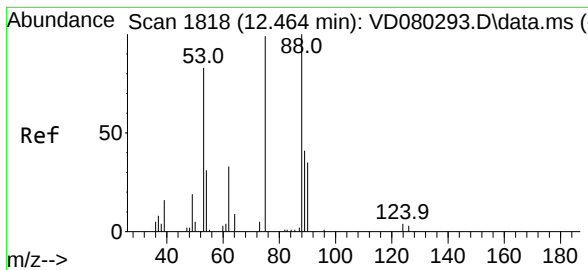
Tgt Ion:152 Resp: 61913
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.8
150 155.0 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 46.420 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.152 min
Lab File: VD080366.D
Acq: 16 May 2025 12:55

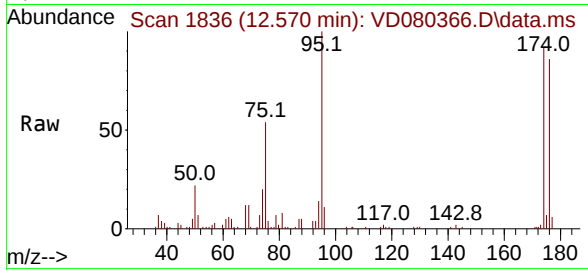
Tgt Ion: 75 Resp: 27738
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.113 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080366.D
Acq: 16 May 2025 12:55

Instrument :
MSVOA_D
ClientSampleId :
TP-B-VOC



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.7	68.7	103.1#
89	0.0	36.1	54.1#

