

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080326.D
 Acq On : 14 May 2025 17:00
 Operator : RP/MD
 Sample : Q2017-03
 Misc : 4.83G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-I-VOC

Quant Time: May 15 03:37:19 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)

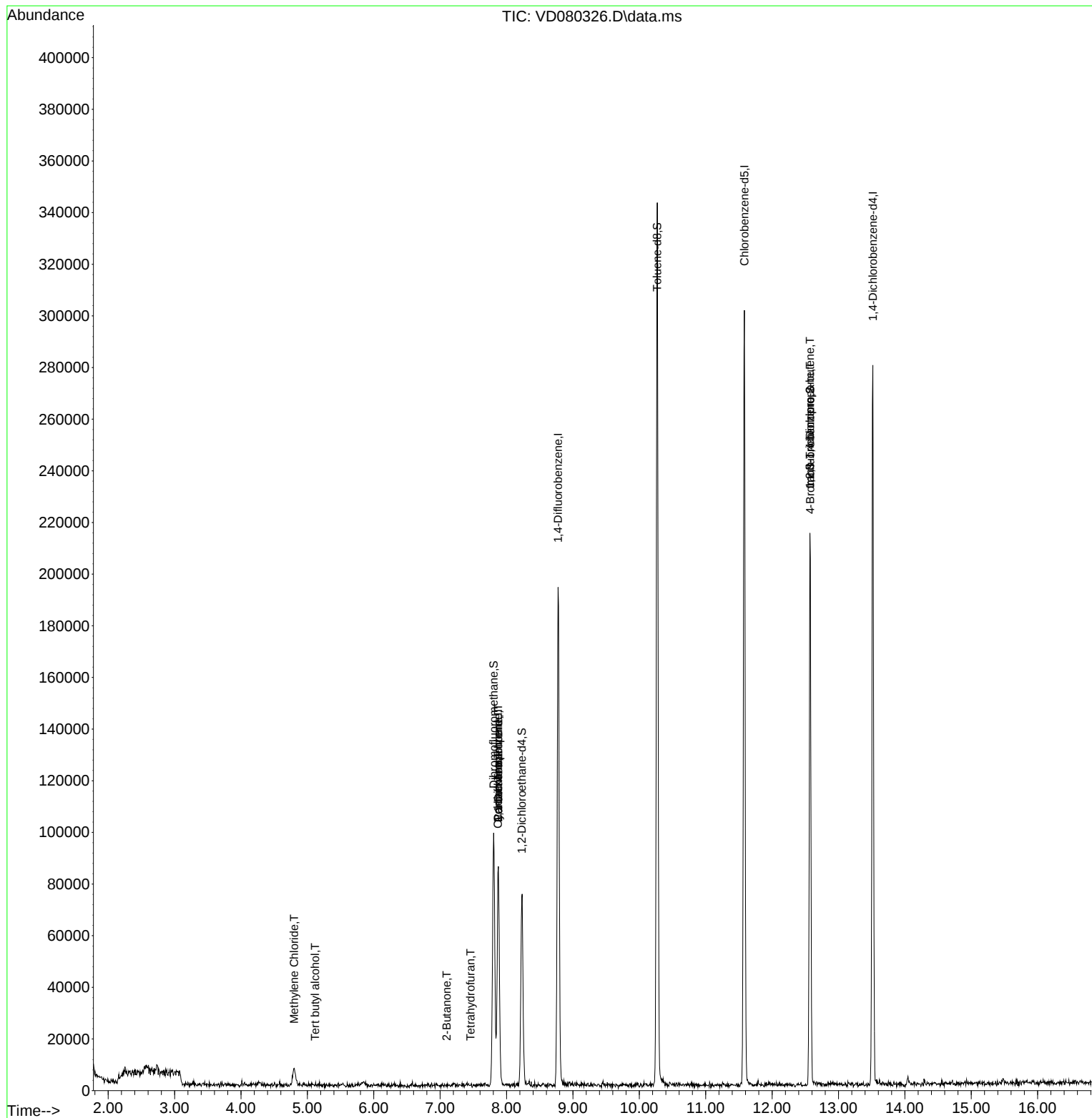
Internal Standards						
1) Pentafluorobenzene	7.876	168	63167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	165875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	168705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	75935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	59000	72.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.460%	
35) Dibromofluoromethane	7.806	113	67494	60.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.420%	
50) Toluene-d8	10.270	98	231684	52.890	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.780%	
62) 4-Bromofluorobenzene	12.576	95	65907	46.876	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.760%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.947	85	58	Below Cal	#	1
3) Chloromethane	2.153	50	202	Below Cal	#	1
11) Tert butyl alcohol	5.118	59	53	1.069	ug/l #	1
16) Acetone	4.024	43	1404	Below Cal	#	86
20) Methylene Chloride	4.800	84	4813	1.830	ug/l	88
25) 2-Butanone	7.100	43	241	1.072	ug/l #	47
29) Tetrahydrofuran	7.459	42	336	2.293	ug/l #	32
31) Cyclohexane	7.870	56	2160	1.628	ug/l #	64
36) 1,1-Dichloropropene	7.876	75	5569	3.352	ug/l #	51
38) Carbon Tetrachloride	7.876	117	6684	3.857	ug/l #	14
76) 1,2,3-Trichloropropane	12.570	75	33916	46.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	33916	87.844	ug/l #	15

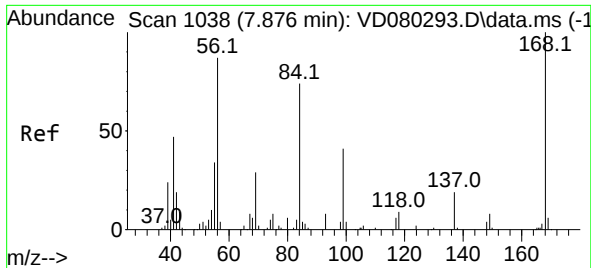
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080326.D
Acq On : 14 May 2025 17:00
Operator : RP/MD
Sample : Q2017-03
Misc : 4.83G/10ml/MSVOA_D/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

Quant Time: May 15 03:37:19 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

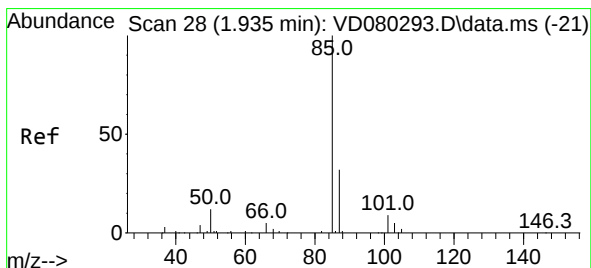
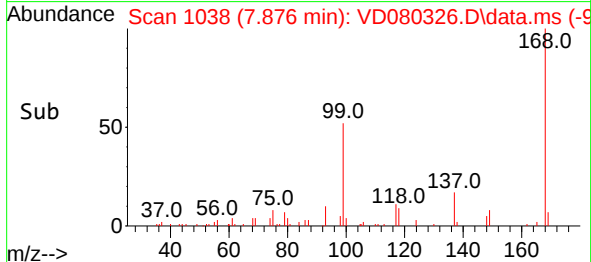
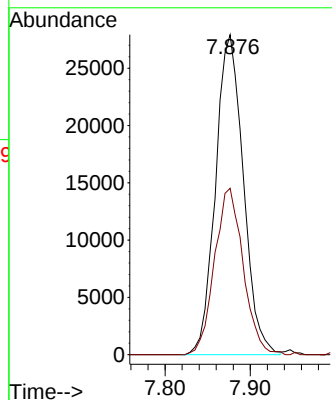
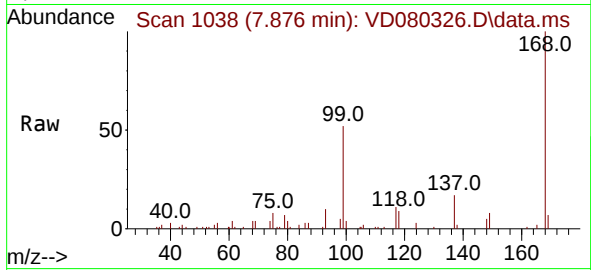




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

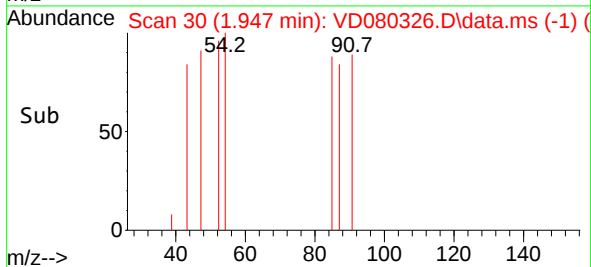
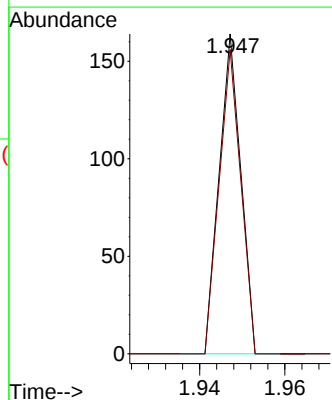
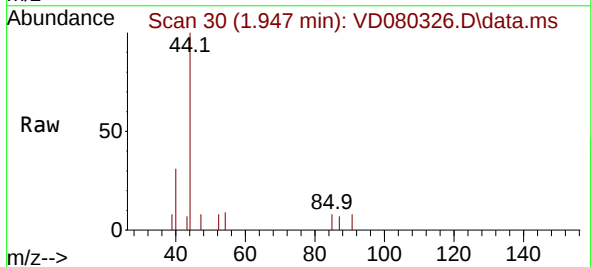
Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

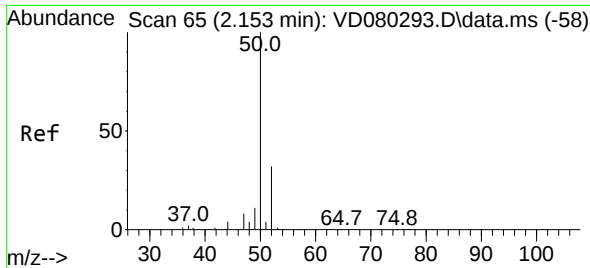
Tgt Ion:168 Resp: 63167
Ion Ratio Lower Upper
168 100
99 52.0 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.947 min Scan# 30
Delta R.T. 0.013 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 95.1 16.1 48.2#

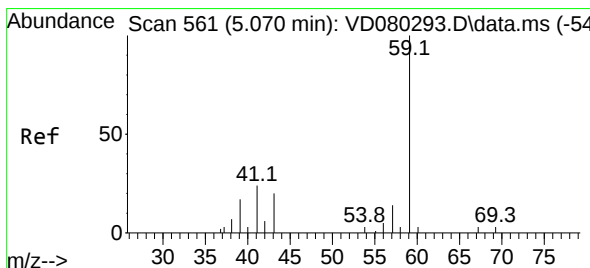
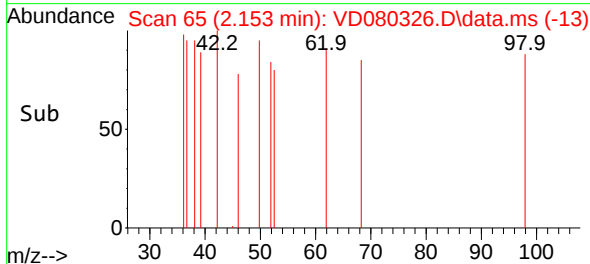
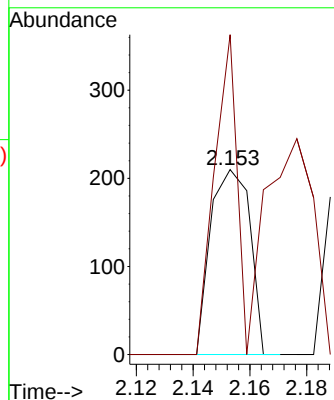
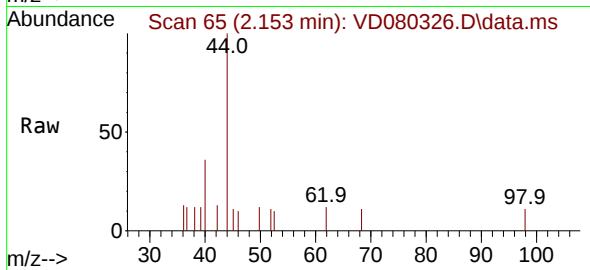




#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

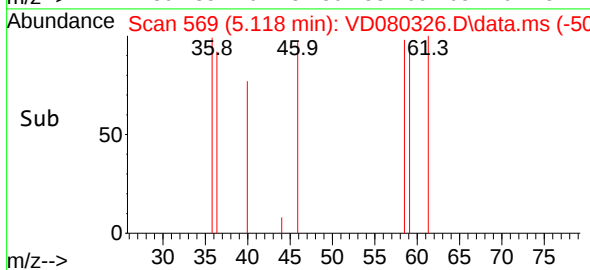
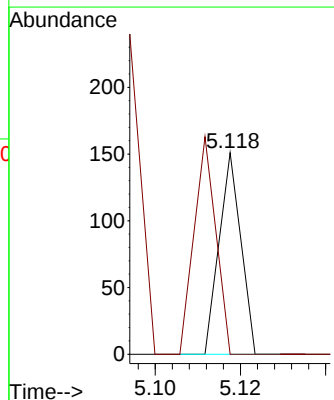
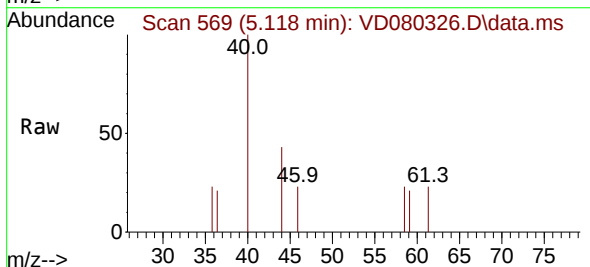
Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

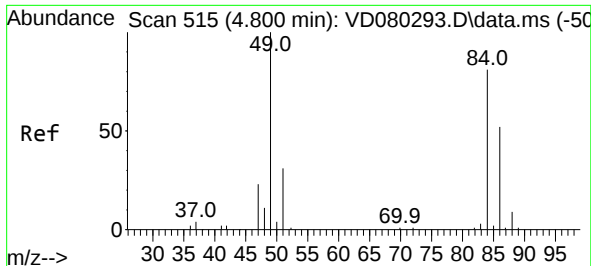
Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 172.9 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.069 ug/l
RT: 5.118 min Scan# 569
Delta R.T. 0.060 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 109.4 4.8 7.2#

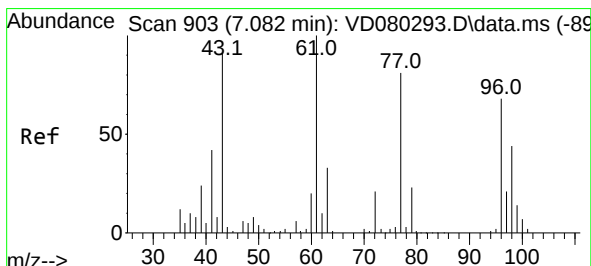
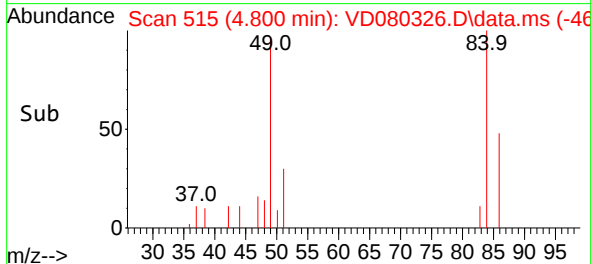
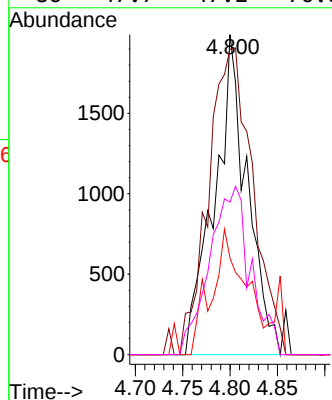
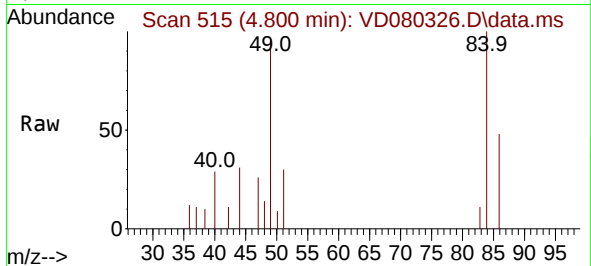




#20
Methylene Chloride
Concen: 1.830 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

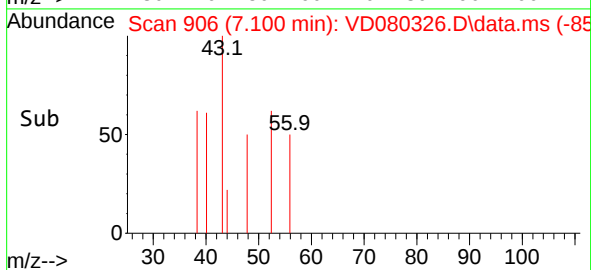
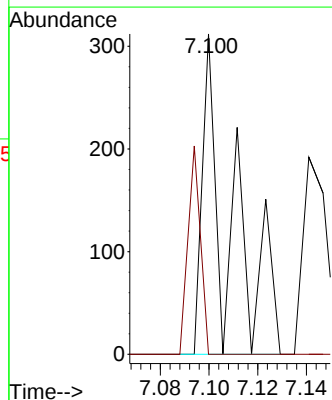
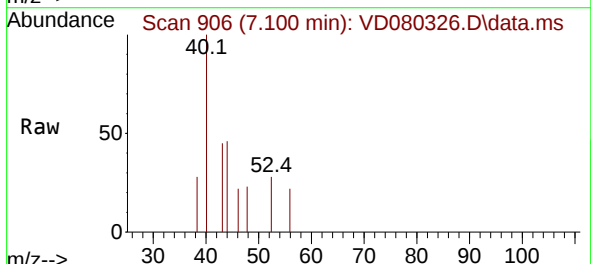
Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

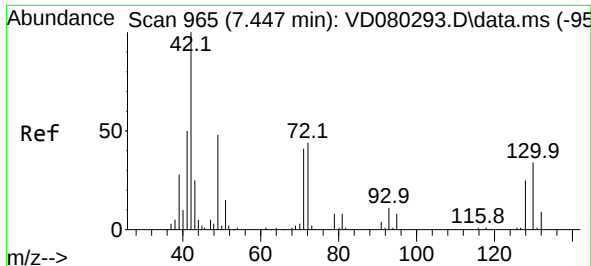
Tgt Ion:	84	Resp:	4813
Ion	Ratio	Lower	Upper
84	100		
49	95.5	86.5	129.7
51	30.2	26.9	40.3
86	47.7	47.2	70.8



#25
2-Butanone
Concen: 1.072 ug/l
RT: 7.100 min Scan# 906
Delta R.T. 0.013 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion:	43	Resp:	241
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.3	33.5#





#29

Tetrahydrofuran

Concen: 2.293 ug/l

RT: 7.459 min Scan# 90

Delta R.T. 0.013 min

Lab File: VD080326.D

Acq: 14 May 2025 17:00

Instrument :

MSVOA_D

ClientSampleId :

MH-I-VOC

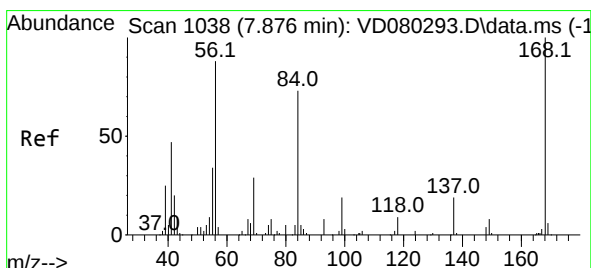
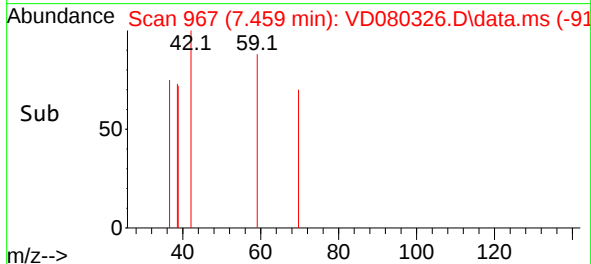
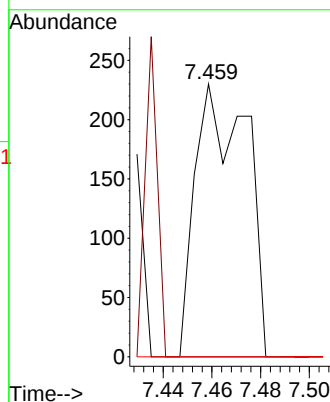
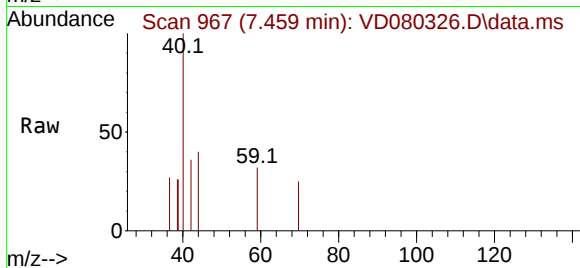
Tgt Ion: 42 Resp: 336

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.628 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.011 min

Lab File: VD080326.D

Acq: 14 May 2025 17:00

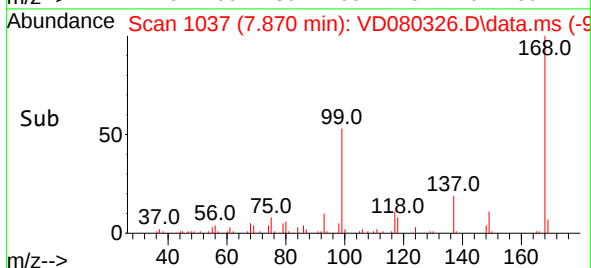
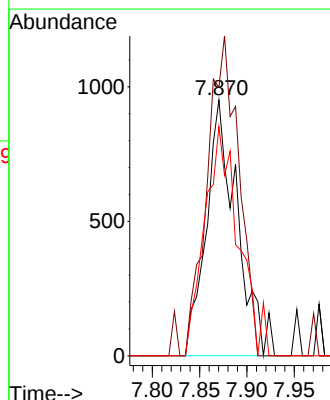
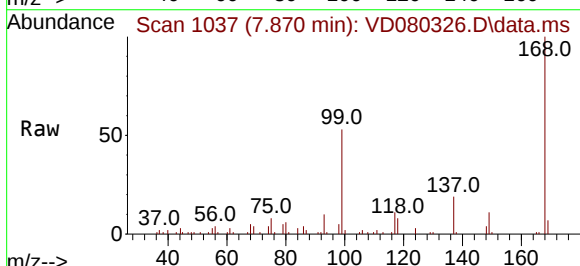
Tgt Ion: 56 Resp: 2160

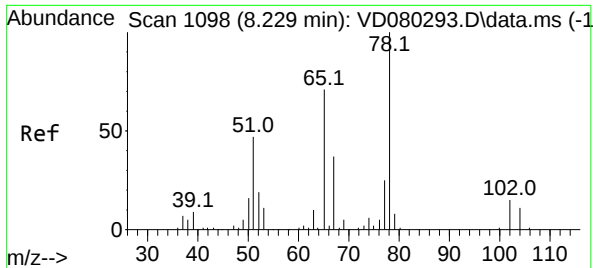
Ion Ratio Lower Upper

56 100

69 105.0 27.3 40.9#

84 89.6 70.2 105.4

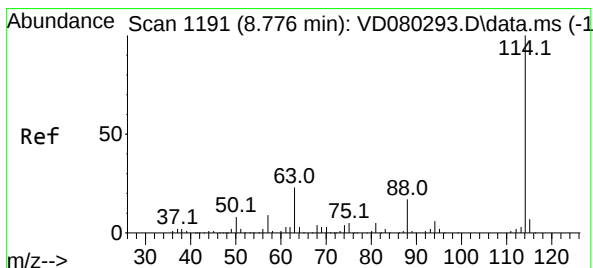
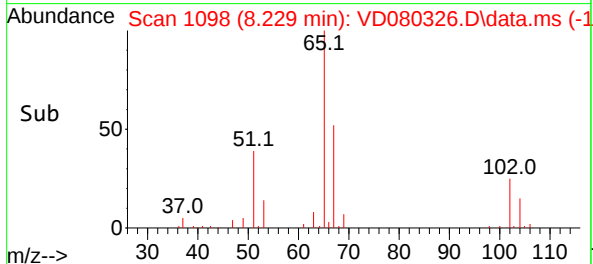
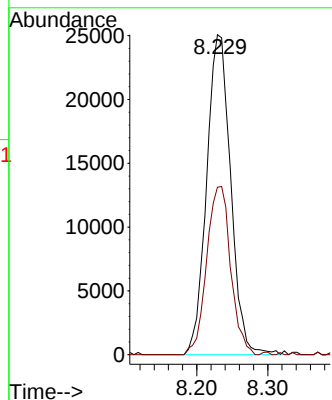
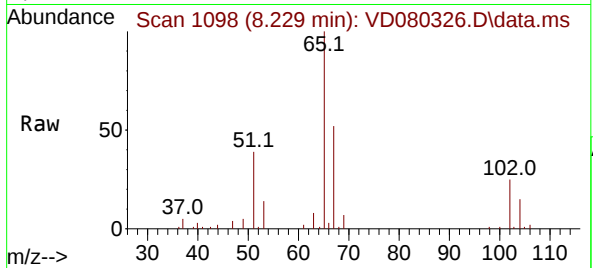




#33
 1,2-Dichloroethane-d4
 Concen: 72.228 ug/l
 RT: 8.229 min Scan# 1098
 Delta R.T. 0.001 min
 Lab File: VD080326.D
 Acq: 14 May 2025 17:00

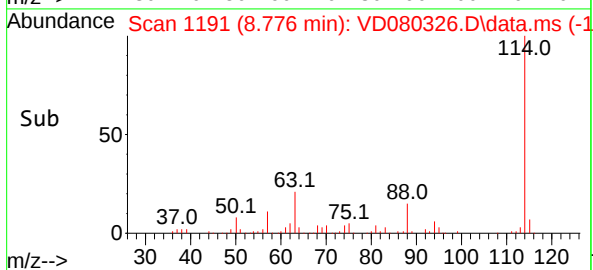
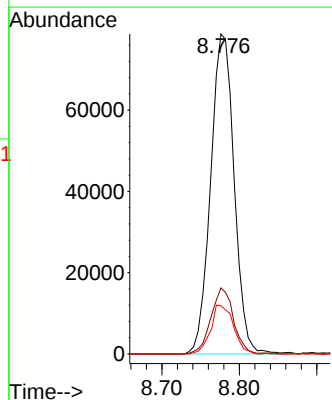
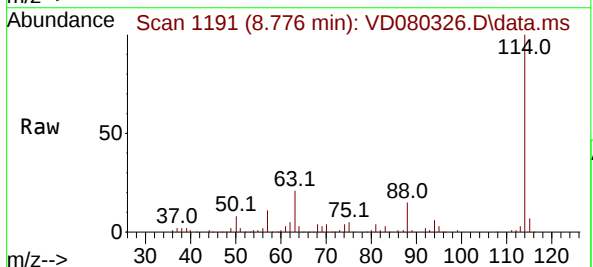
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-I-VOC

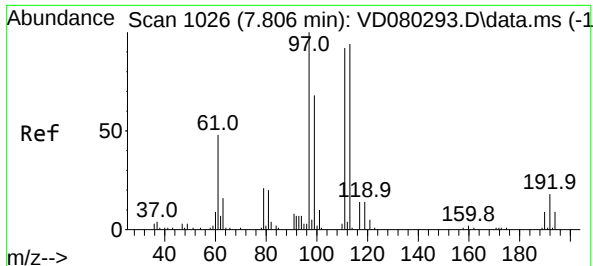
Tgt Ion: 65 Resp: 59000
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.776 min Scan# 1191
 Delta R.T. 0.001 min
 Lab File: VD080326.D
 Acq: 14 May 2025 17:00

Tgt Ion: 114 Resp: 165875
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.8
 88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 60.709 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080326.D

Acq: 14 May 2025 17:00

Instrument :

MSVOA_D

ClientSampleId :

MH-I-VOC

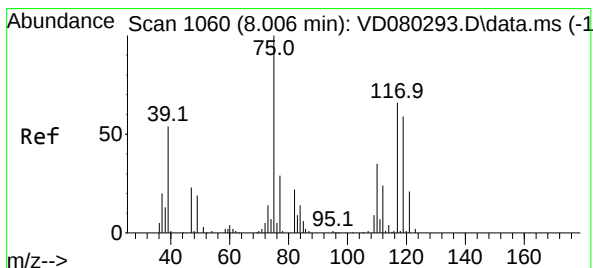
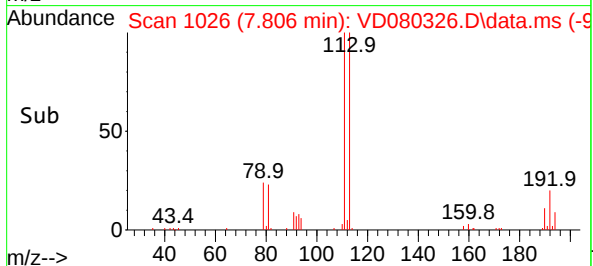
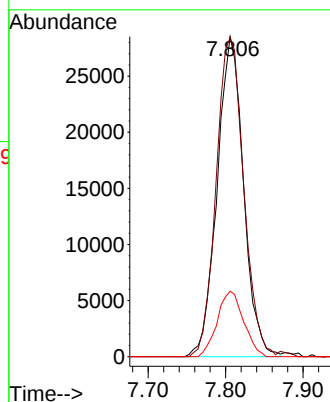
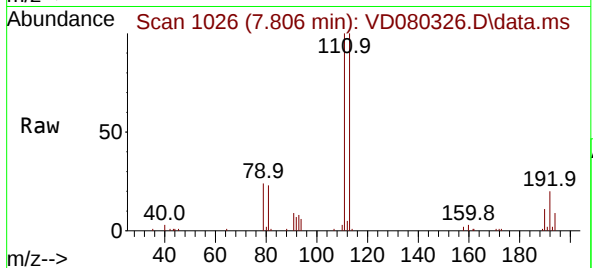
Tgt Ion:113 Resp: 67494

Ion Ratio Lower Upper

113 100

111 103.7 82.5 123.7

192 20.4 16.6 25.0



#36

1,1-Dichloropropene

Concen: 3.352 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080326.D

Acq: 14 May 2025 17:00

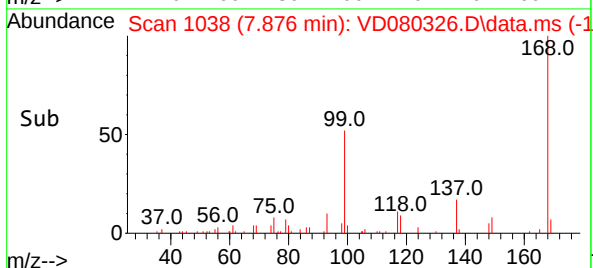
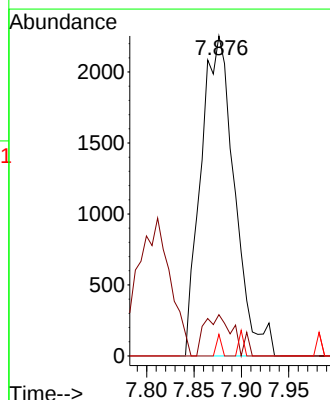
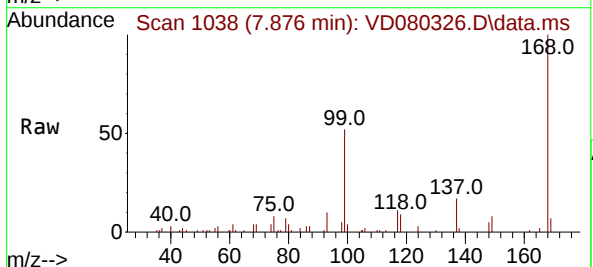
Tgt Ion: 75 Resp: 5569

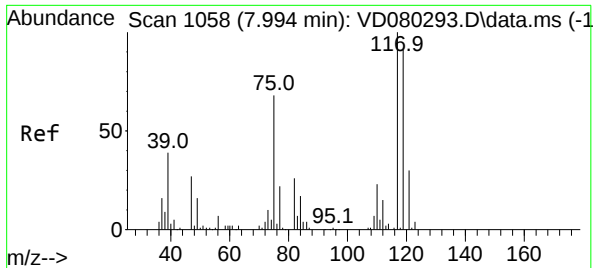
Ion Ratio Lower Upper

75 100

110 11.1 18.4 55.0#

77 1.0 25.6 38.4#

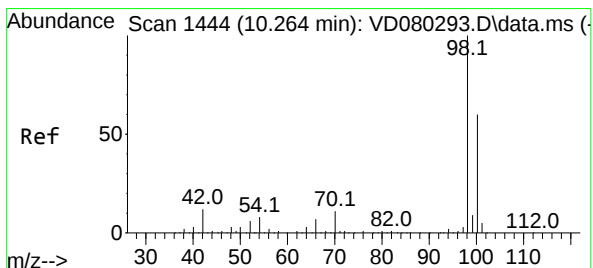
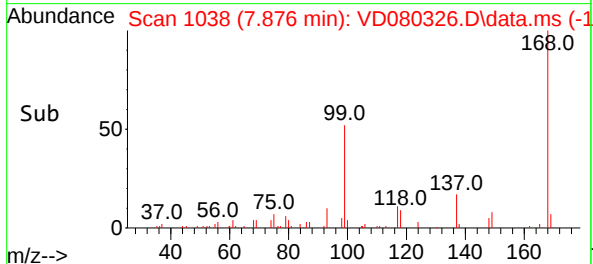
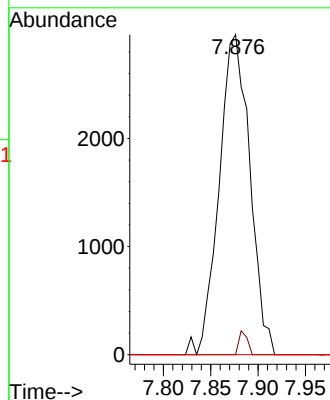
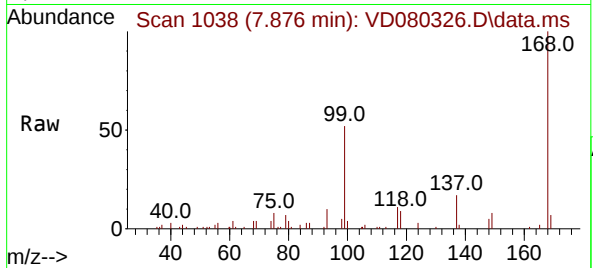




#38
Carbon Tetrachloride
Concen: 3.857 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.111 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

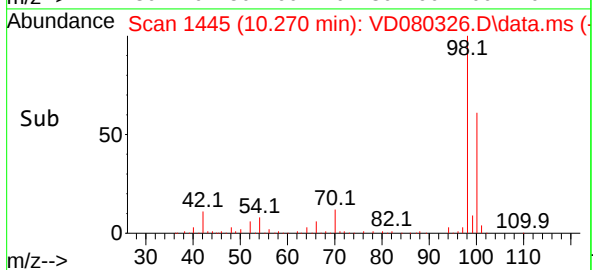
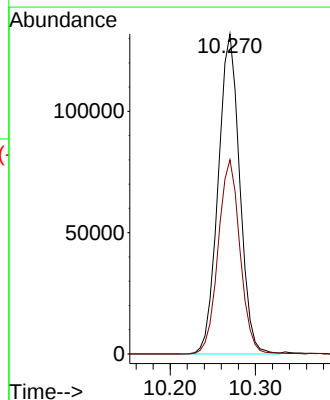
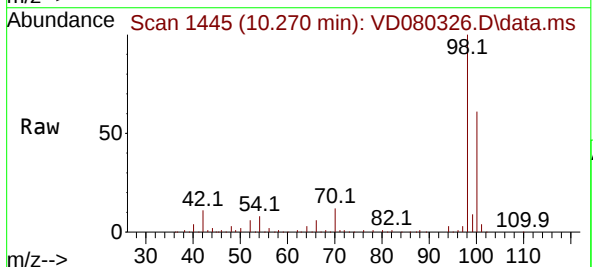
Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

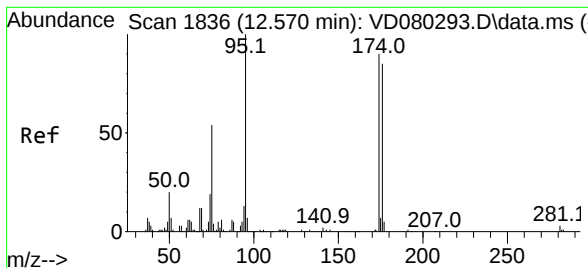
Tgt Ion:117 Resp: 6684
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.890 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion: 98 Resp: 231684
Ion Ratio Lower Upper
98 100
100 61.6 50.2 75.4

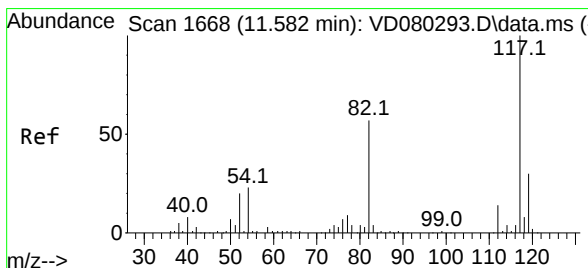
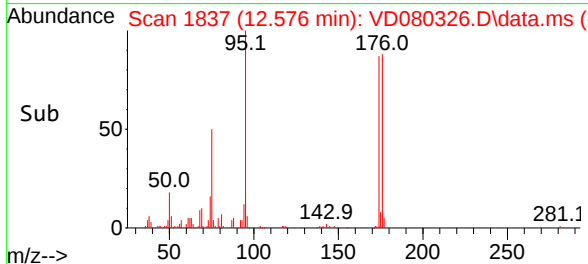
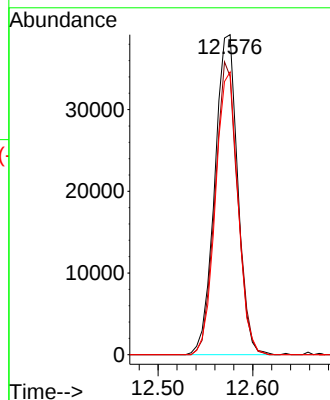
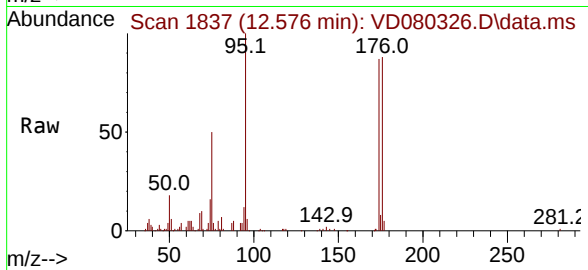




#62
4-Bromofluorobenzene
Concen: 46.876 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

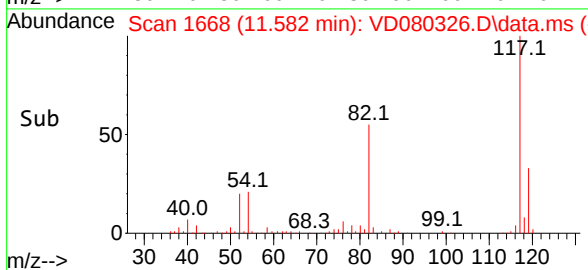
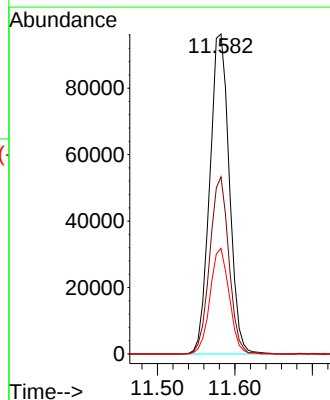
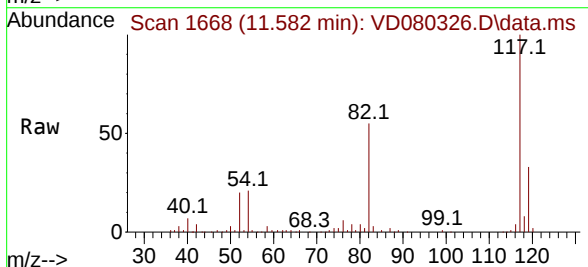
Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

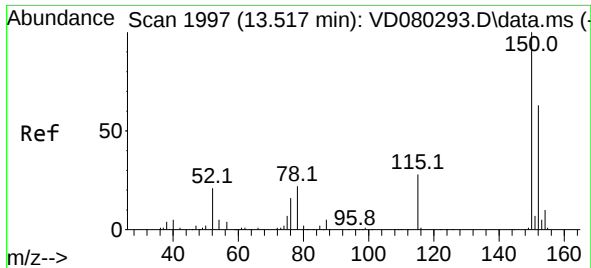
Tgt Ion: 95 Resp: 65907
Ion Ratio Lower Upper
95 100
174 89.7 0.0 173.4
176 86.7 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion: 117 Resp: 168705
Ion Ratio Lower Upper
117 100
82 55.4 45.8 68.6
119 33.0 26.2 39.2

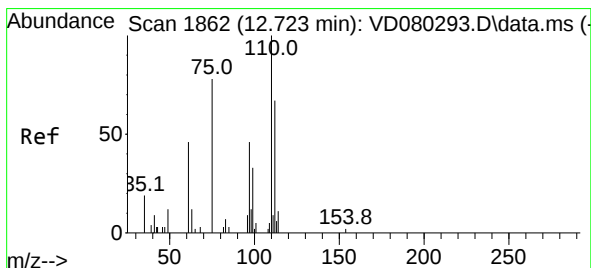
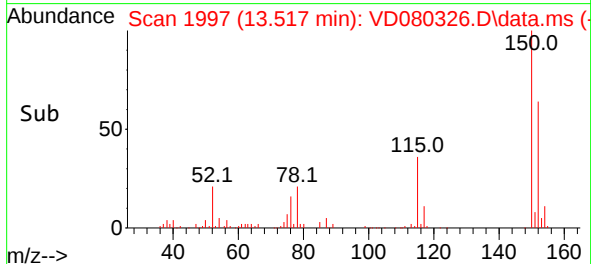
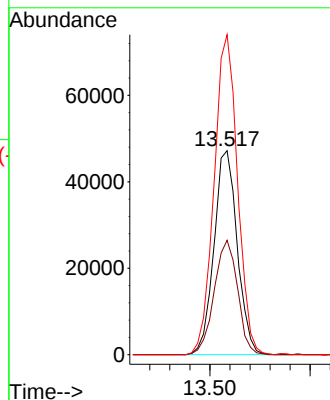
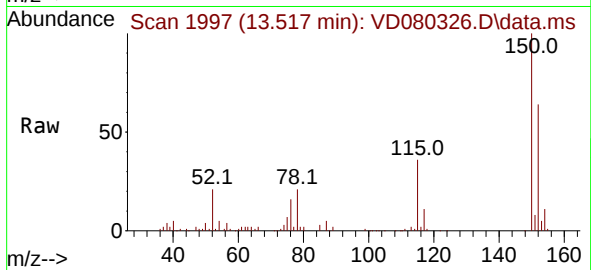




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080326.D
 Acq: 14 May 2025 17:00

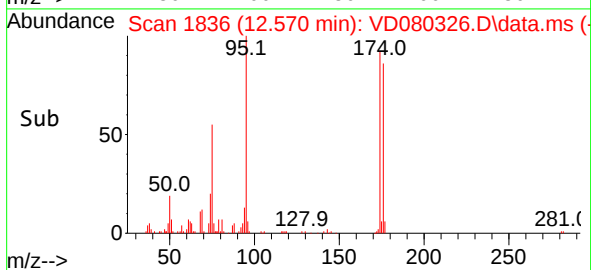
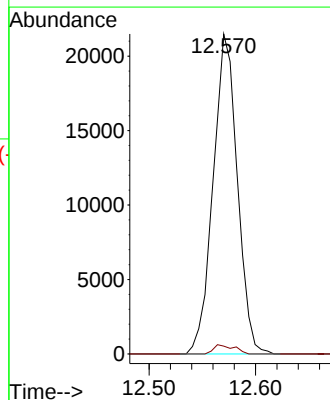
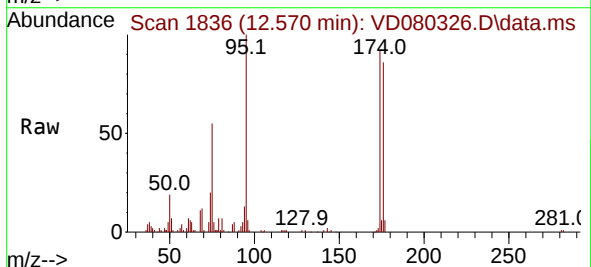
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-I-VOC

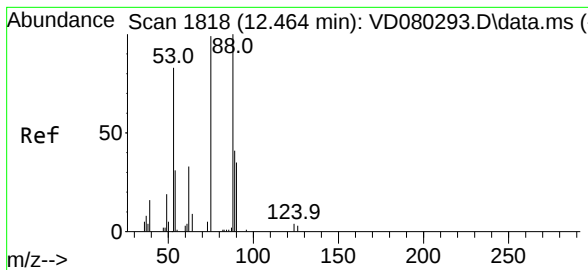
Tgt Ion:152 Resp: 75935
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.9 86.8
 150 157.9 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 46.278 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080326.D
 Acq: 14 May 2025 17:00

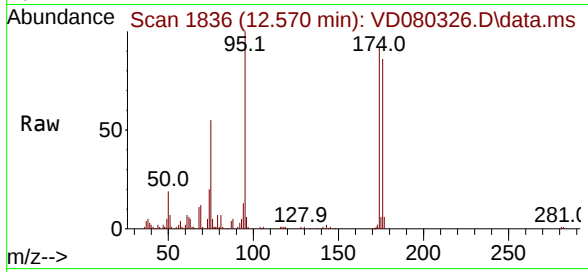
Tgt Ion: 75 Resp: 33916
 Ion Ratio Lower Upper
 75 100
 77 2.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.844 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. 0.101 min
 Lab File: VD080326.D
 Acq: 14 May 2025 17:00

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-I-VOC



Tgt Ion:	75	Resp:	33916
Ion	Ratio	Lower	Upper
75	100		
53	0.7	68.7	103.1#
89	0.0	36.1	54.1#

