

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080351.D
 Acq On : 15 May 2025 16:25
 Operator : RP/MD
 Sample : Q2034-19
 Misc : 3.70G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 L3-WC-5-VOC

Quant Time: May 16 02:59:23 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)

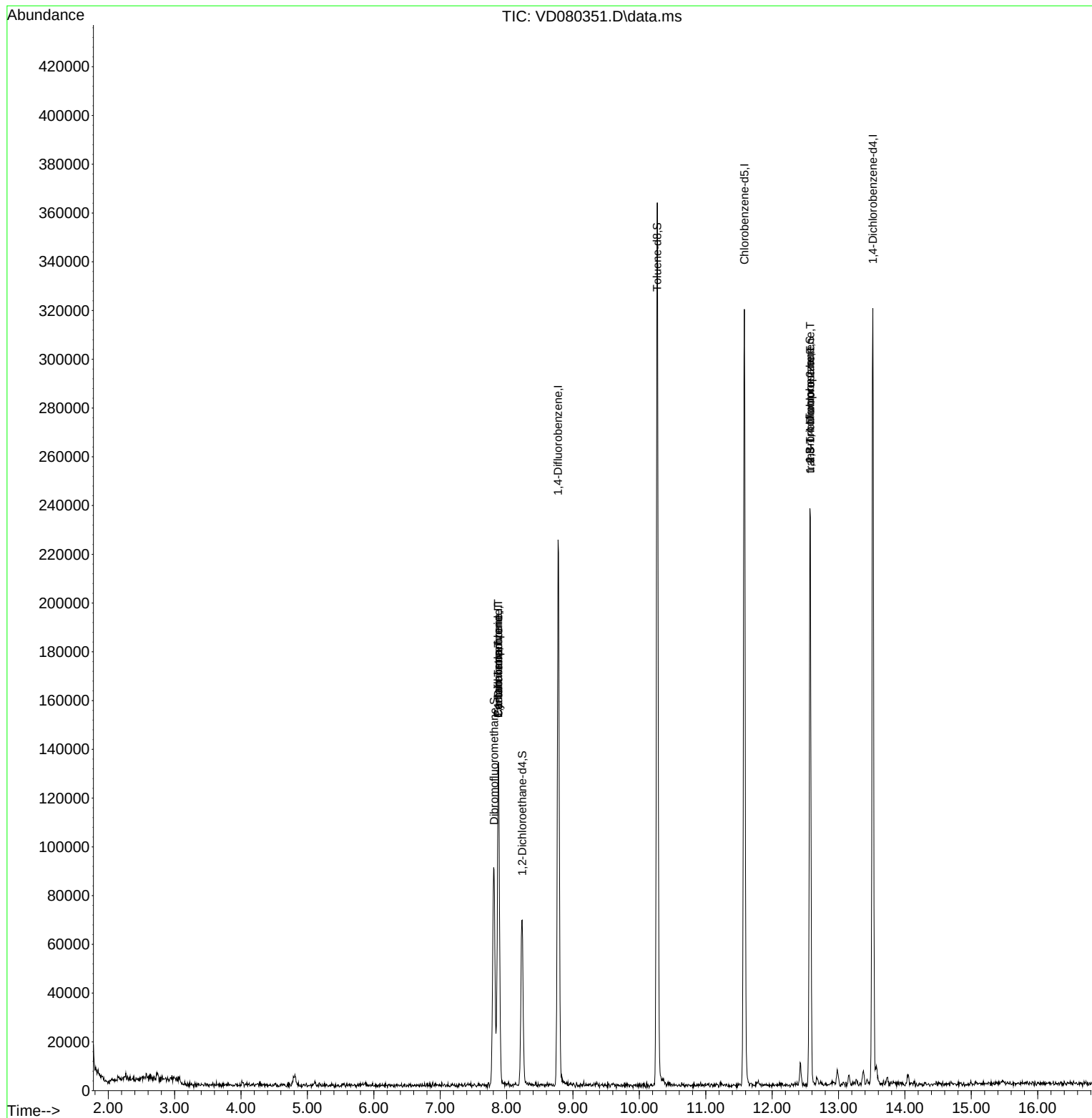
Internal Standards						
1) Pentafluorobenzene	7.876	168	99264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	187140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	184788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	88864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	55752	43.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.860%
35) Dibromofluoromethane	7.811	113	64691	51.576	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.160%
50) Toluene-d8	10.270	98	249912	50.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.570	95	72556	45.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.153	50	171	Below Cal	#	67
16) Acetone	4.029	43	1738	Below Cal	#	87
20) Methylene Chloride	4.817	84	3224	Below Cal	#	77
31) Cyclohexane	7.876	56	2685	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.876	75	8915	4.756	ug/l #	48
38) Carbon Tetrachloride	7.876	117	9792	5.009	ug/l #	17
76) 1,2,3-Trichloropropane	12.576	75	38512	44.904	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.576	75	38512	85.235	ug/l #	16

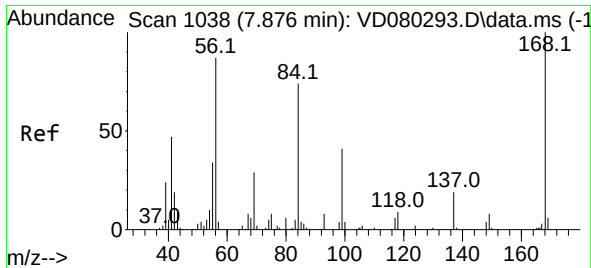
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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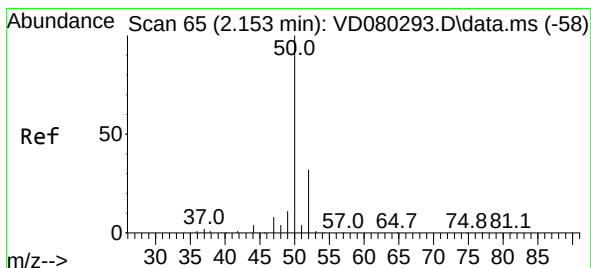
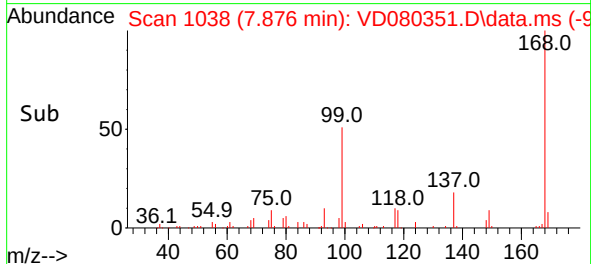
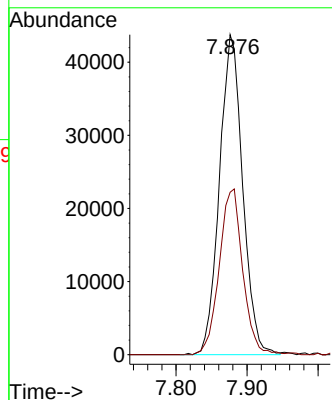
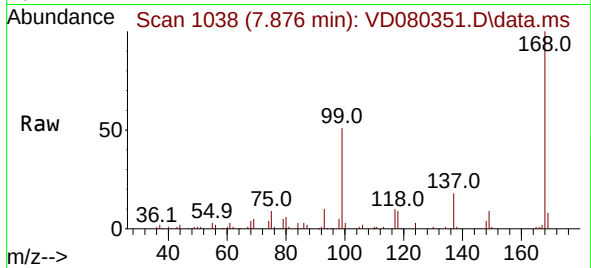




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

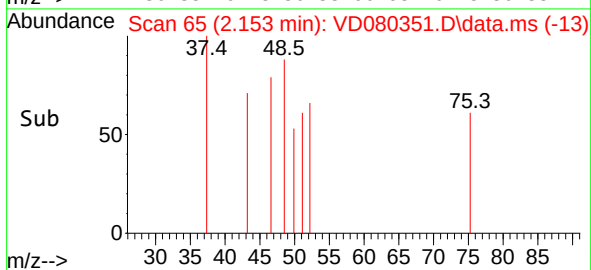
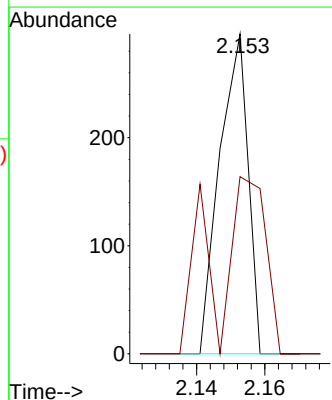
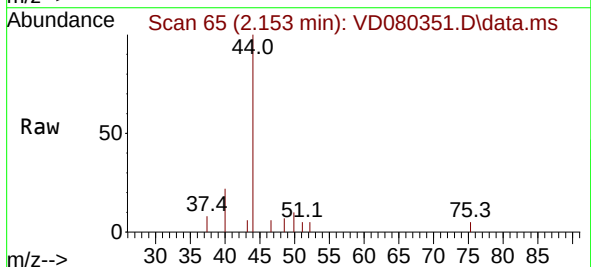
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-5-VOC

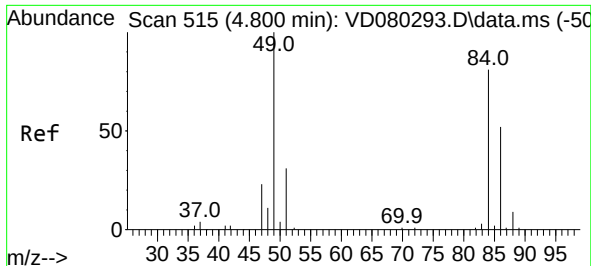
Tgt Ion:168 Resp: 99264
Ion Ratio Lower Upper
168 100
99 50.8 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 65
Delta R.T. 0.007 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Tgt Ion: 50 Resp: 171
Ion Ratio Lower Upper
50 100
52 55.4 28.8 43.2#

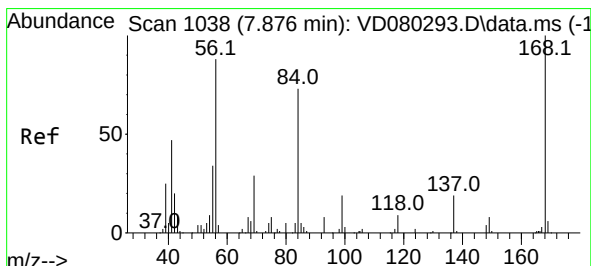
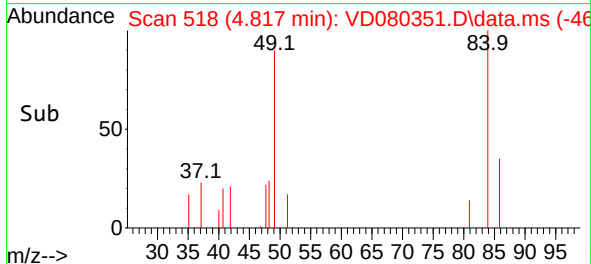
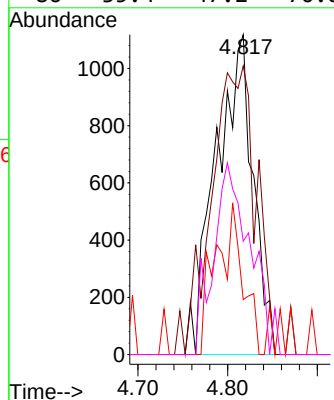
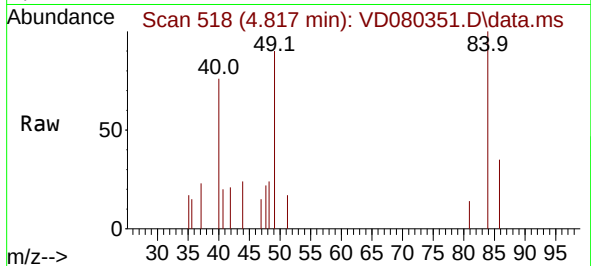




#20
Methylene Chloride
Concen: Below Cal
RT: 4.817 min Scan# 515
Delta R.T. 0.012 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

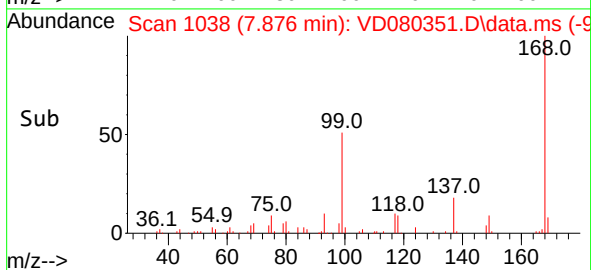
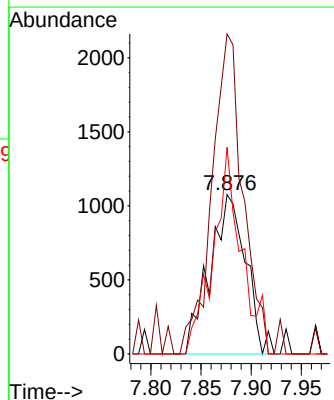
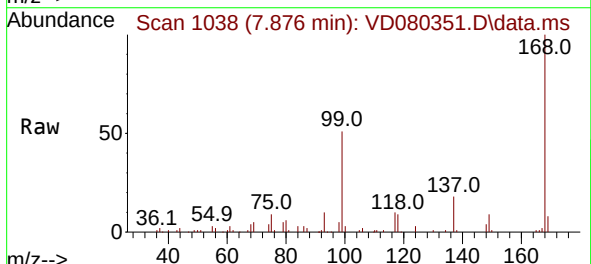
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-5-VOC

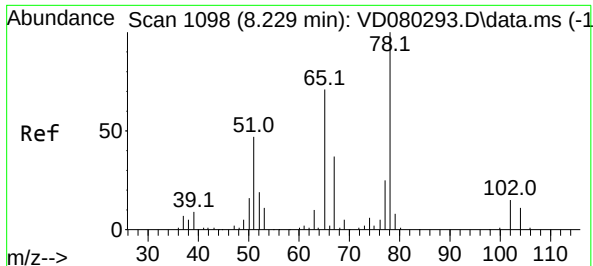
Tgt Ion:	84	Resp:	3224
Ion	Ratio	Lower	Upper
84	100		
49	90.3	86.5	129.7
51	17.2	26.9	40.3#
86	35.4	47.2	70.8#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Tgt Ion:	56	Resp:	2685
Ion	Ratio	Lower	Upper
56	100		
69	200.8	27.3	40.9#
84	129.6	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 43.432 ug/l

RT: 8.235 min Scan# 1109

Delta R.T. 0.007 min

Lab File: VD080351.D

Acq: 15 May 2025 16:25

Instrument :

MSVOA_D

ClientSampleId :

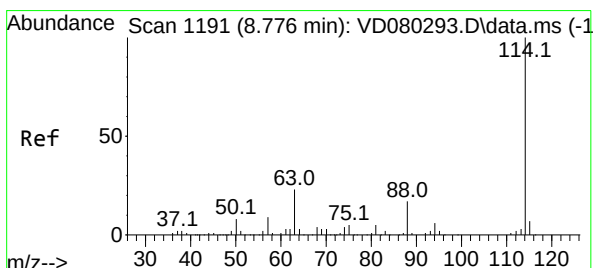
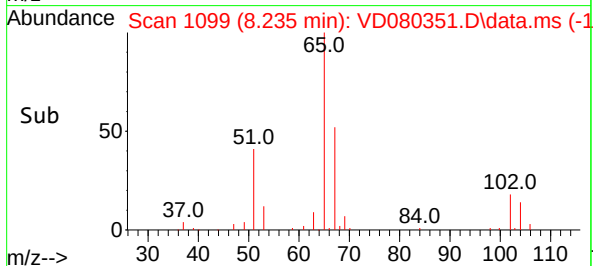
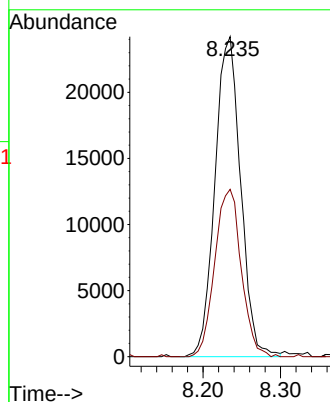
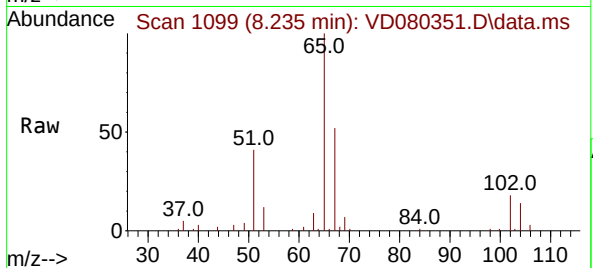
L3-WC-5-VOC

Tgt Ion: 65 Resp: 55752

Ion Ratio Lower Upper

65 100

67 53.9 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: VD080351.D

Acq: 15 May 2025 16:25

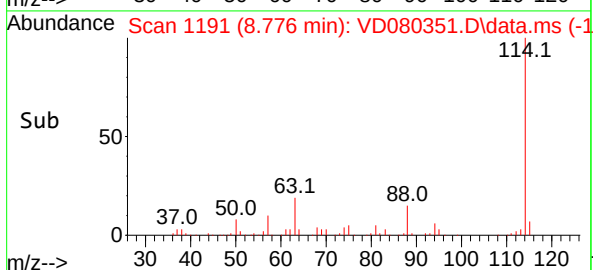
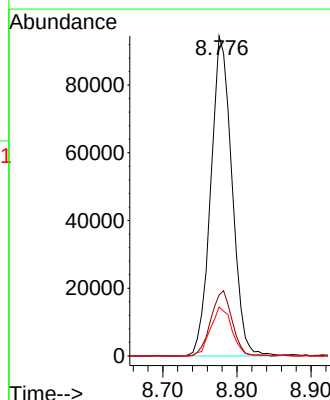
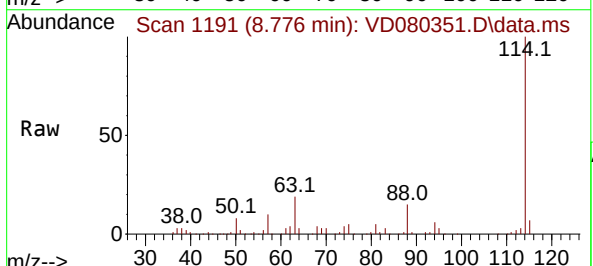
Tgt Ion: 114 Resp: 187140

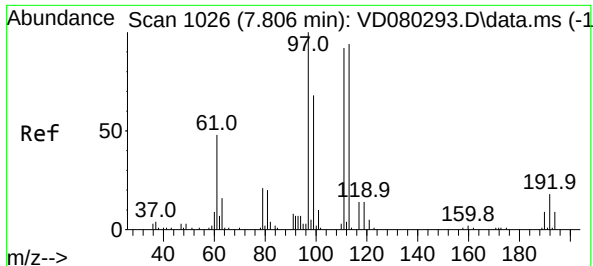
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.576 ug/l

RT: 7.811 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VD080351.D

Acq: 15 May 2025 16:25

Instrument :

MSVOA_D

ClientSampleId :

L3-WC-5-VOC

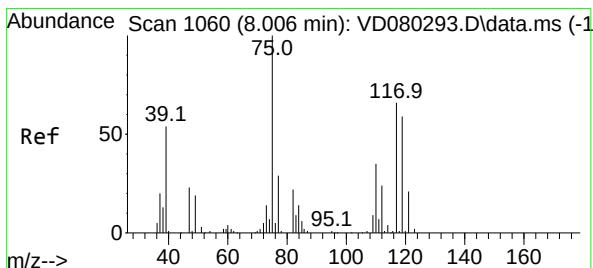
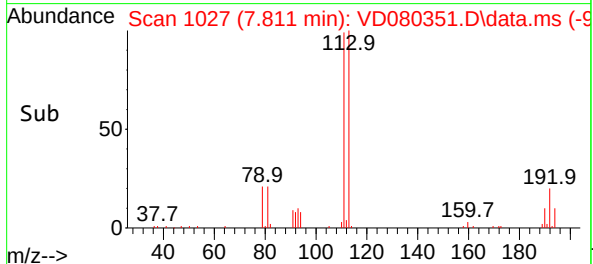
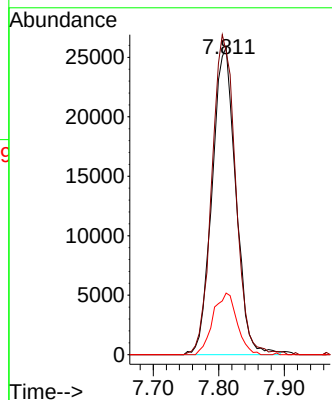
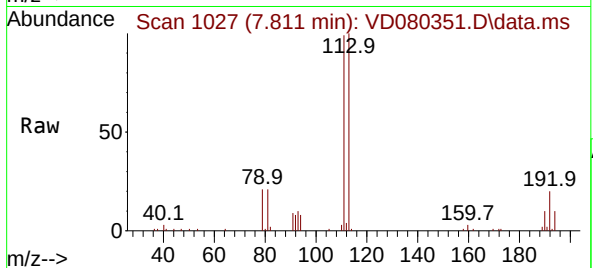
Tgt Ion:113 Resp: 64691

Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 20.3 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.756 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080351.D

Acq: 15 May 2025 16:25

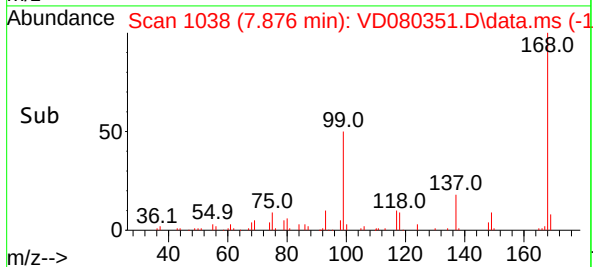
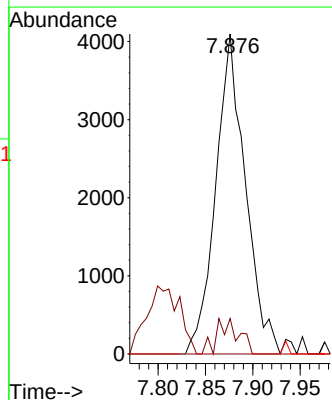
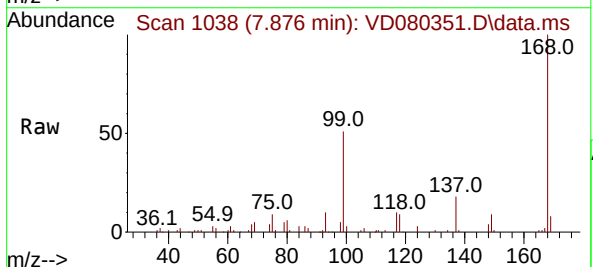
Tgt Ion: 75 Resp: 8915

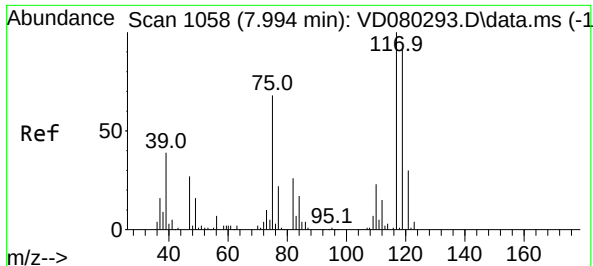
Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.0#

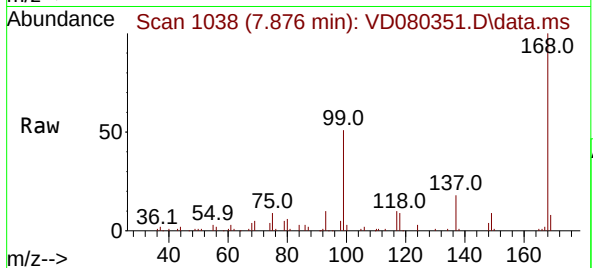
77 0.0 25.6 38.4#



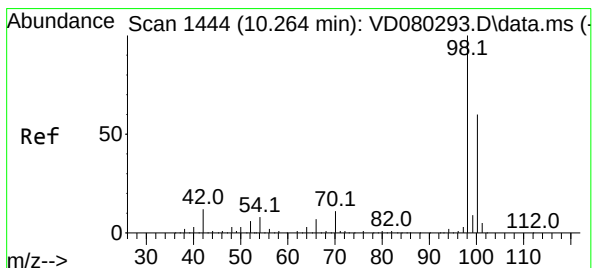
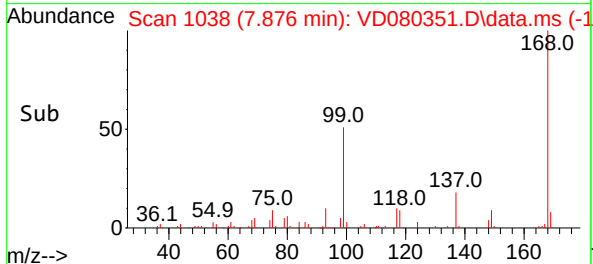
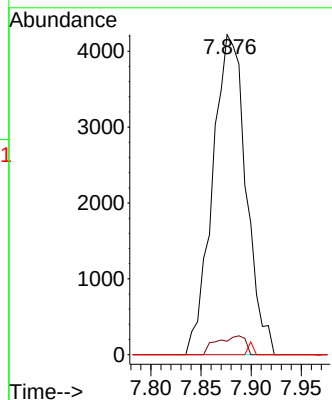


#38
Carbon Tetrachloride
Concen: 5.009 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.111 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Instrument :
MSVOA_D
ClientSampleId :
L3-WC-5-VOC

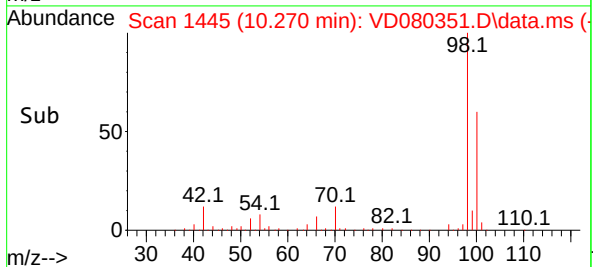
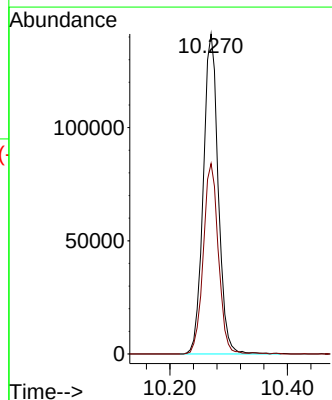
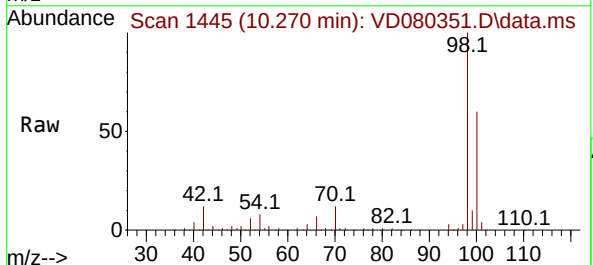


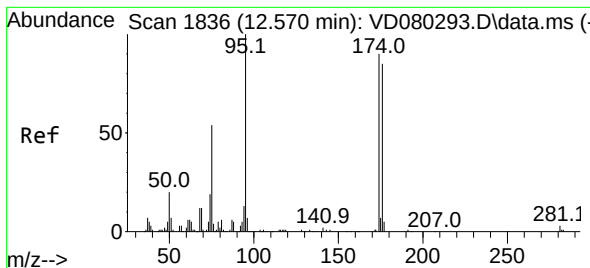
Tgt Ion:117 Resp: 9792
Ion Ratio Lower Upper
117 100
119 4.2 73.4 110.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.569 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Tgt Ion: 98 Resp: 249912
Ion Ratio Lower Upper
98 100
100 59.7 50.2 75.4

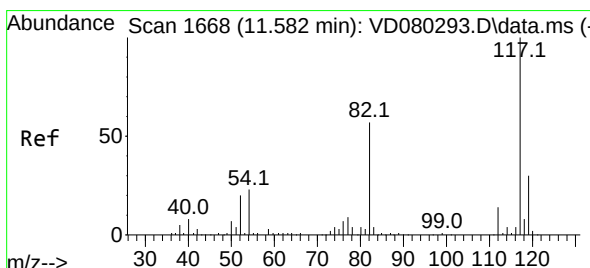
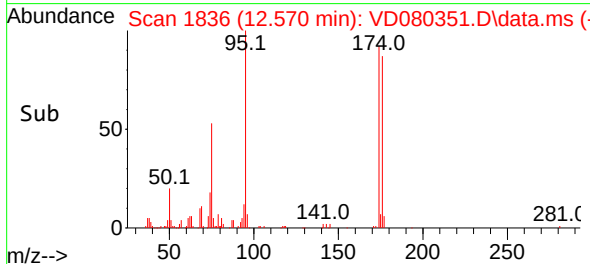
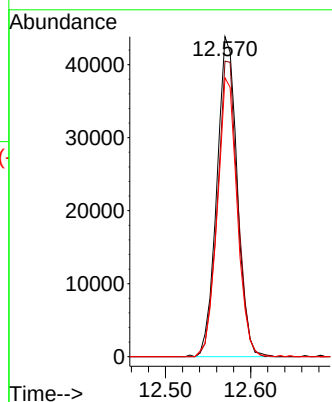
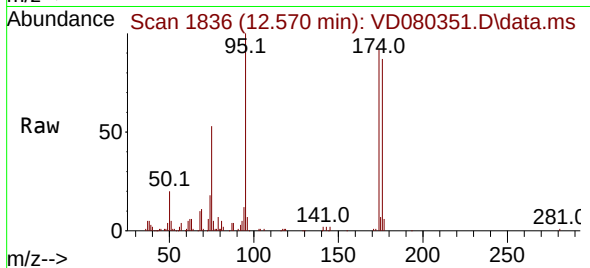




#62
4-Bromofluorobenzene
Concen: 45.741 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

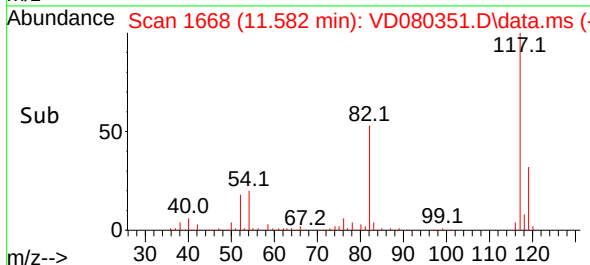
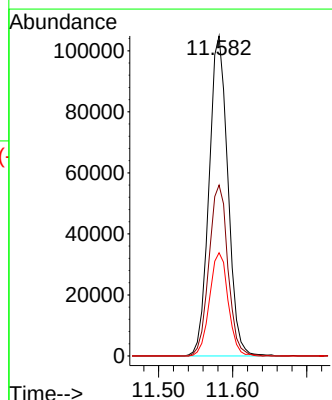
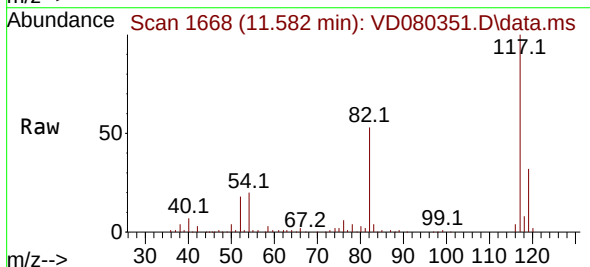
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-5-VOC

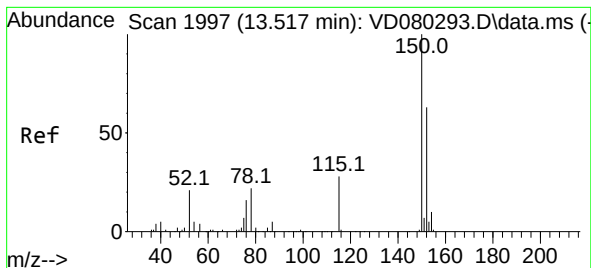
Tgt Ion: 95 Resp: 72556
Ion Ratio Lower Upper
95 100
174 91.8 0.0 173.4
176 85.2 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Tgt Ion: 117 Resp: 184788
Ion Ratio Lower Upper
117 100
82 53.4 45.8 68.6
119 32.3 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: VD080351.D

Acq: 15 May 2025 16:25

Instrument :

MSVOA_D

ClientSampleId :

L3-WC-5-VOC

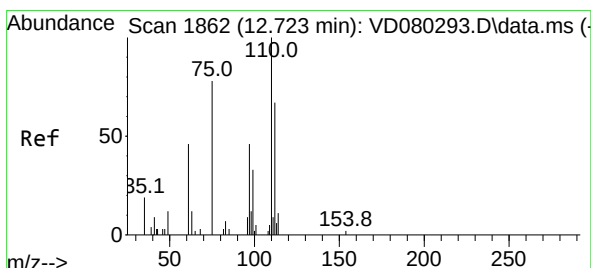
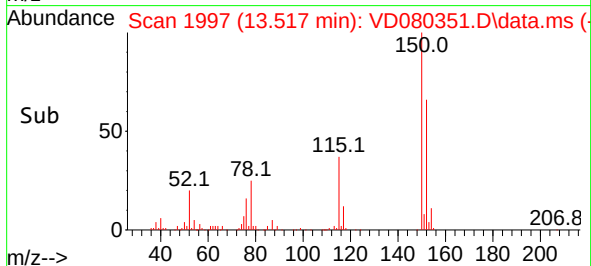
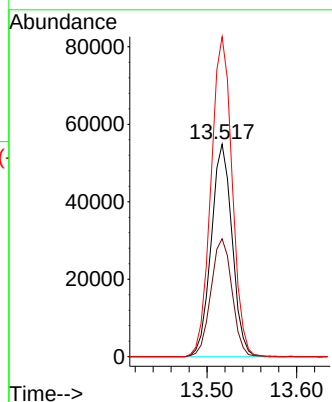
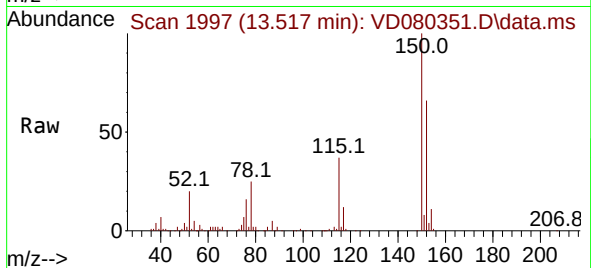
Tgt Ion:152 Resp: 88864

Ion Ratio Lower Upper

152 100

115 56.1 28.9 86.8

150 152.1 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 44.904 ug/l

RT: 12.576 min Scan# 1837

Delta R.T. -0.146 min

Lab File: VD080351.D

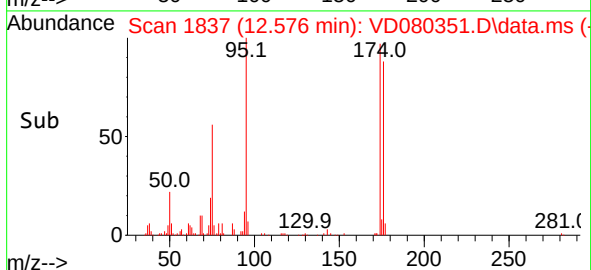
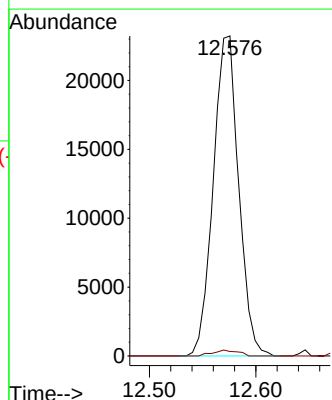
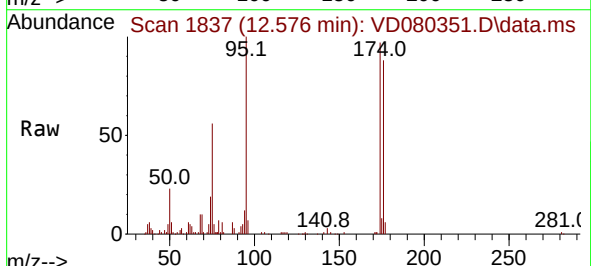
Acq: 15 May 2025 16:25

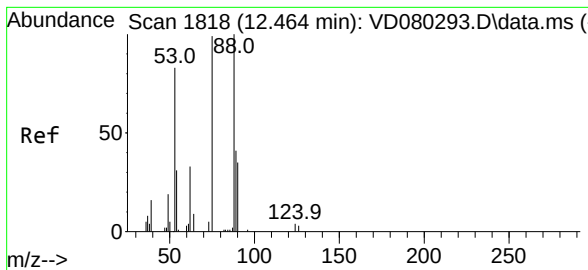
Tgt Ion: 75 Resp: 38512

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.235 ug/l
 RT: 12.576 min Scan# 11
 Delta R.T. 0.107 min
 Lab File: VD080351.D
 Acq: 15 May 2025 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 L3-WC-5-VOC

Tgt Ion: 75 Resp: 38512
 Ion Ratio Lower Upper
 75 100
 53 0.8 68.7 103.1#
 89 0.2 36.1 54.1#

