

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080349.D
 Acq On : 15 May 2025 15:32
 Operator : RP/MD
 Sample : Q2034-11
 Misc : 3.62G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 L3-WC-3-VOC

Quant Time: May 16 02:58:28 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)

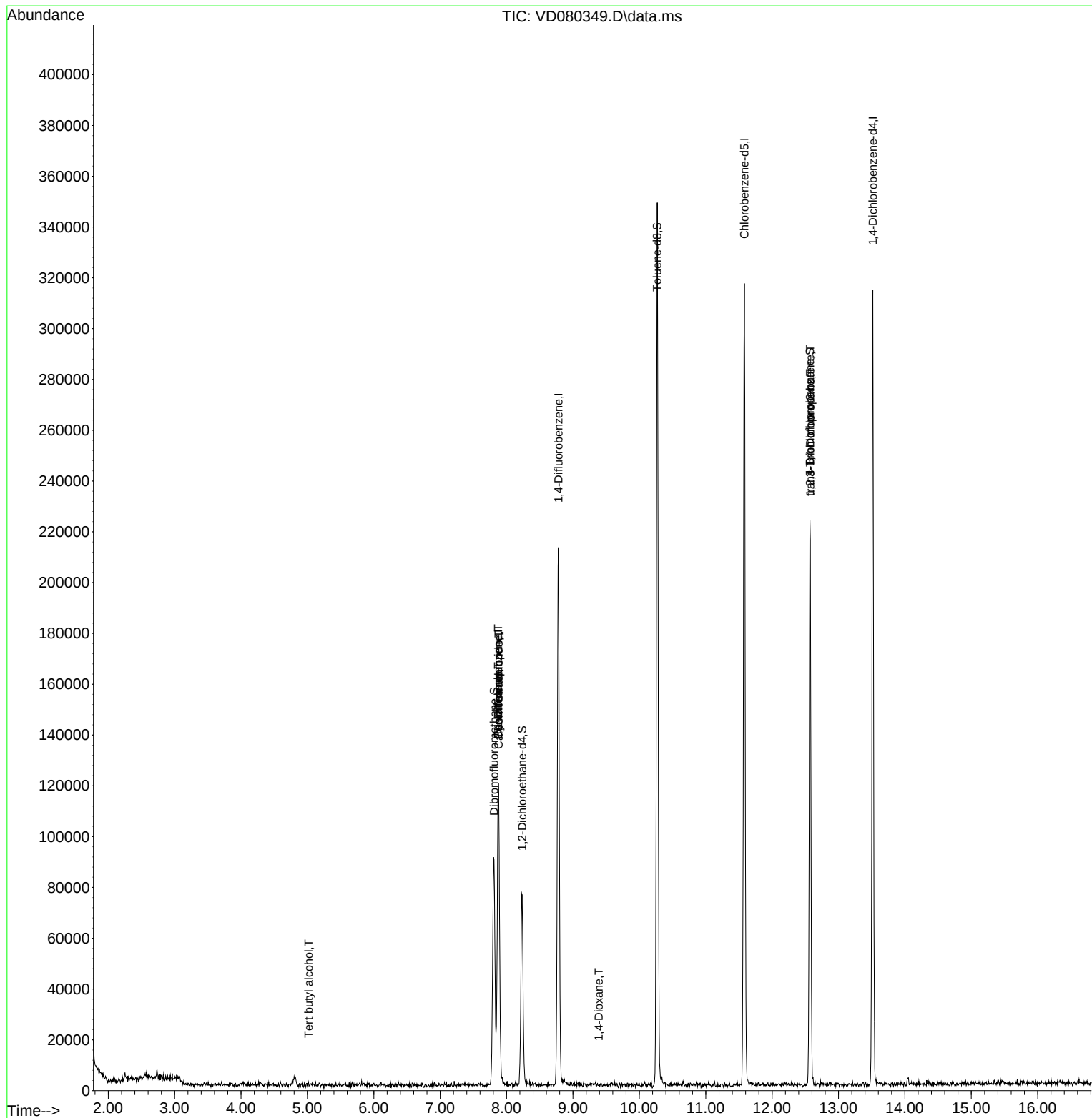
Internal Standards						
1) Pentafluorobenzene	7.876	168	91312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	179763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	177795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	83972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	60607	51.326	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.660%	
35) Dibromofluoromethane	7.811	113	64813	53.794	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.580%	
50) Toluene-d8	10.270	98	235735	49.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.320%	
62) 4-Bromofluorobenzene	12.570	95	68615	45.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.060%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.100	85	68	Below Cal	#	43
3) Chloromethane	2.153	50	315	Below Cal	#	39
11) Tert butyl alcohol	5.017	59	156	2.177	ug/l #	82
16) Acetone	4.023	43	1704	Below Cal	#	78
20) Methylene Chloride	4.788	84	859	Below Cal	#	65
31) Cyclohexane	7.876	56	2730	1.423	ug/l #	49
36) 1,1-Dichloropropene	7.876	75	8071	4.482	ug/l #	47
38) Carbon Tetrachloride	7.882	117	9452	5.033	ug/l #	20
49) 1,4-Dioxane	9.388	88	53	5.658	ug/l #	1
76) 1,2,3-Trichloropropane	12.576	75	37110	45.790	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.576	75	37110	86.917	ug/l #	15

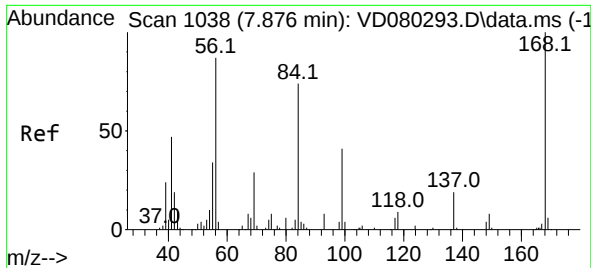
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
Data File : VD080349.D
Acq On : 15 May 2025 15:32
Operator : RP/MD
Sample : Q2034-11
Misc : 3.62G/10ml/MSVOA_D/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
L3-WC-3-VOC

Quant Time: May 16 02:58:28 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

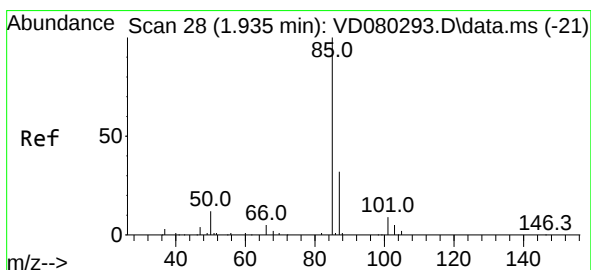
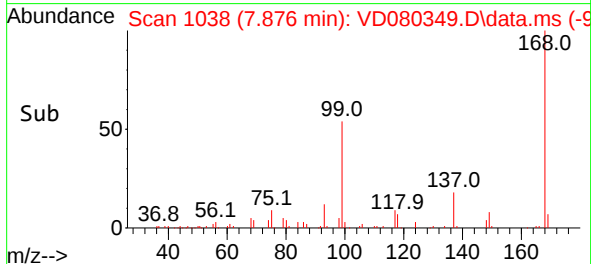
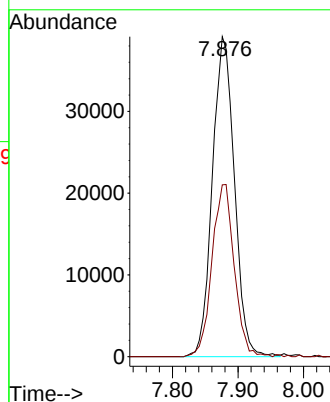
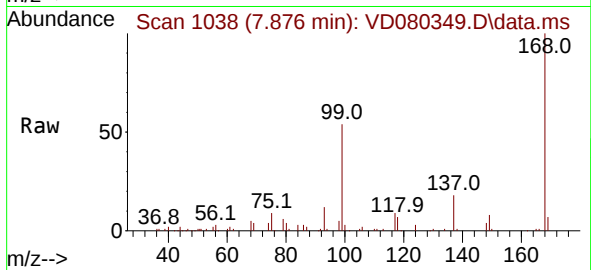




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

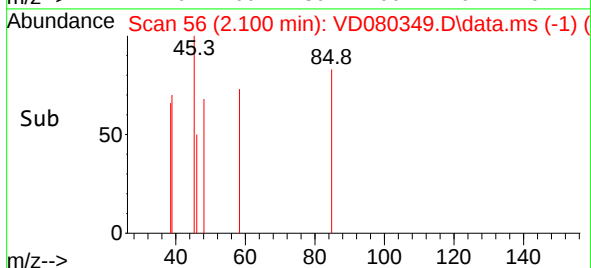
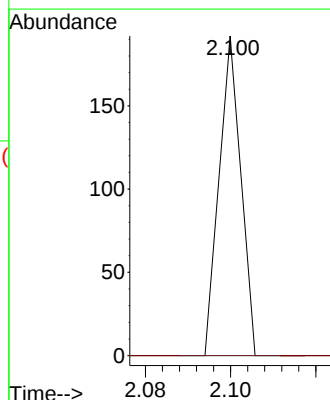
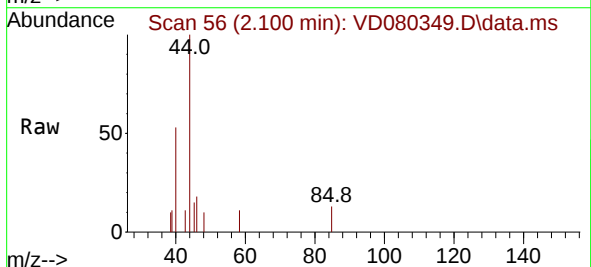
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-3-VOC

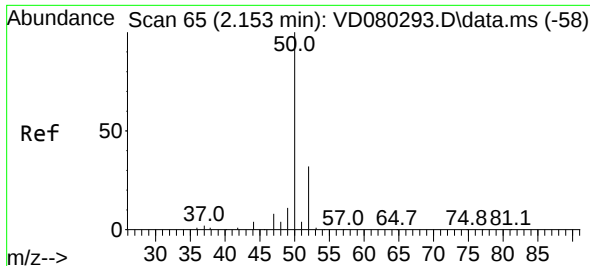
Tgt Ion:168 Resp: 91312
Ion Ratio Lower Upper
168 100
99 53.7 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.100 min Scan# 56
Delta R.T. 0.166 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

Tgt Ion: 85 Resp: 68
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

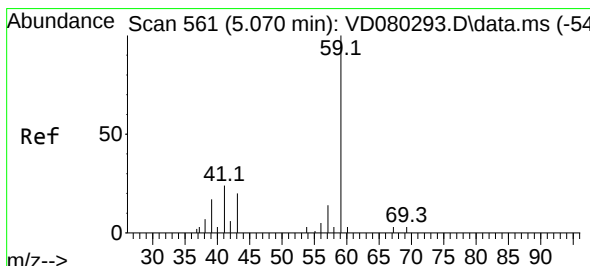
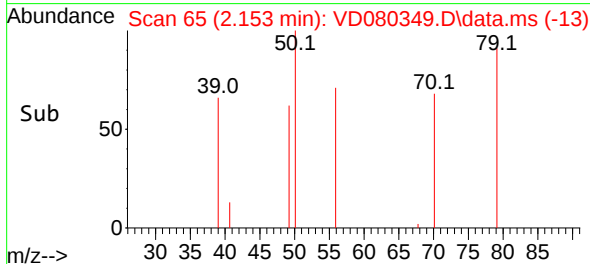
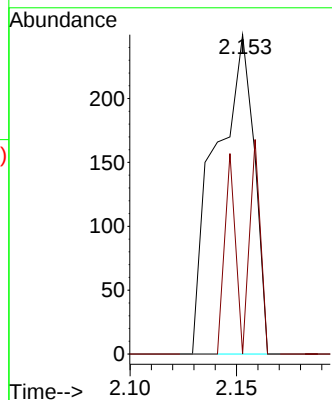
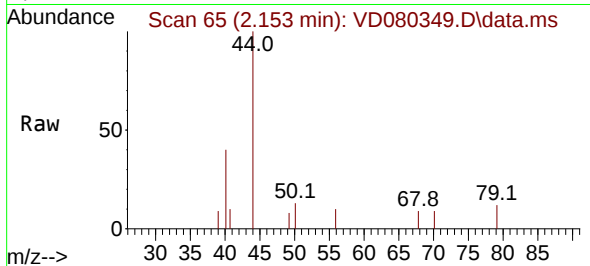




#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

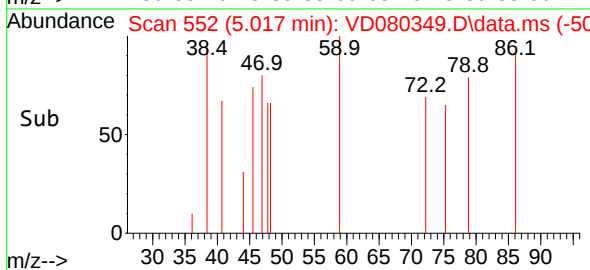
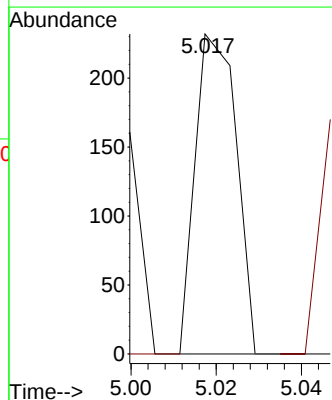
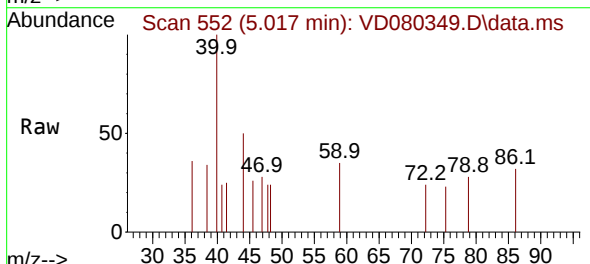
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-3-VOC

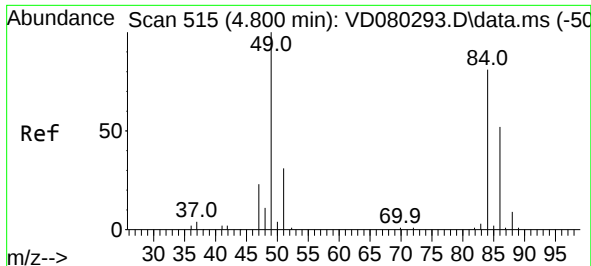
Tgt Ion: 50 Resp: 315
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 2.177 ug/l
RT: 5.017 min Scan# 552
Delta R.T. -0.041 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#

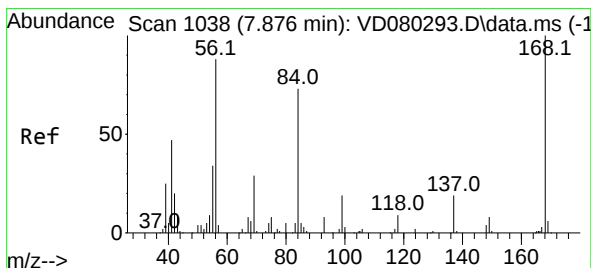
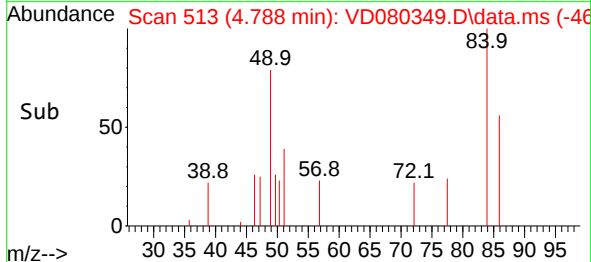
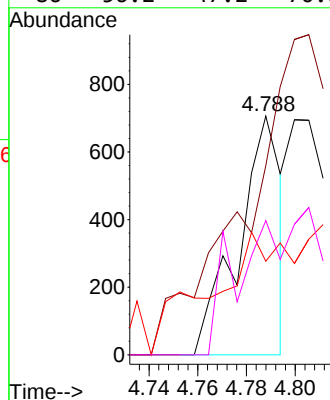
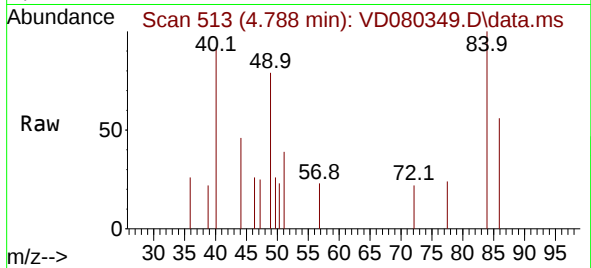




#20
Methylene Chloride
Concen: Below Cal
RT: 4.788 min Scan# 515
Delta R.T. -0.017 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

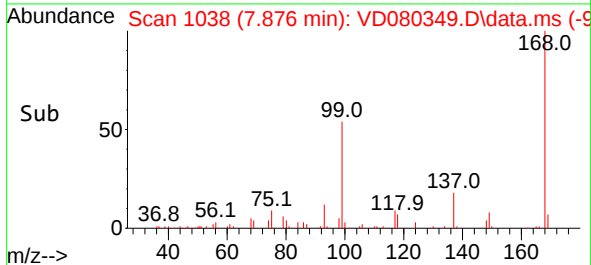
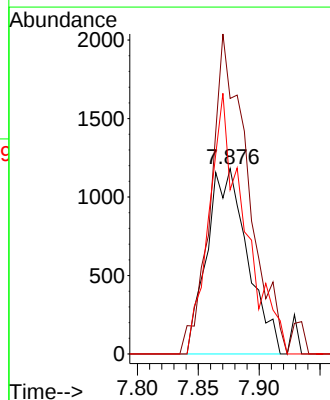
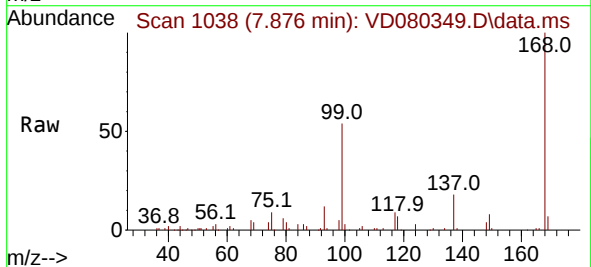
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-3-VOC

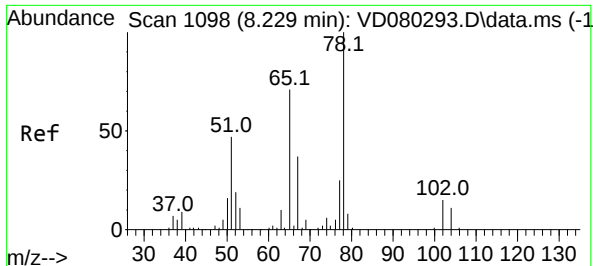
Tgt Ion: 84	Resp:	859	
Ion	Ratio	Lower	Upper
84	100		
49	53.5	86.5	129.7#
51	12.9	26.9	40.3#
86	56.2	47.2	70.8



#31
Cyclohexane
Concen: 1.423 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

Tgt Ion: 56	Resp:	2730	
Ion	Ratio	Lower	Upper
56	100		
69	137.7	27.3	40.9#
84	88.5	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 51.326 ug/l

RT: 8.235 min Scan# 1099

Delta R.T. 0.007 min

Lab File: VD080349.D

Acq: 15 May 2025 15:32

Instrument :

MSVOA_D

ClientSampleId :

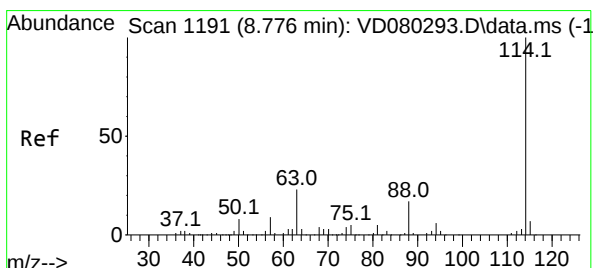
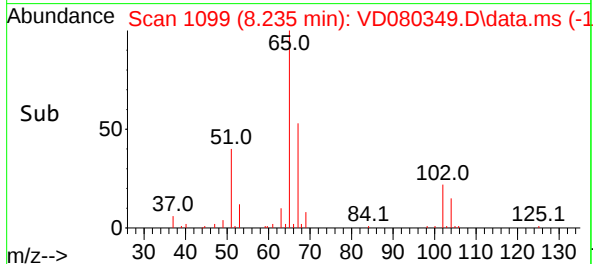
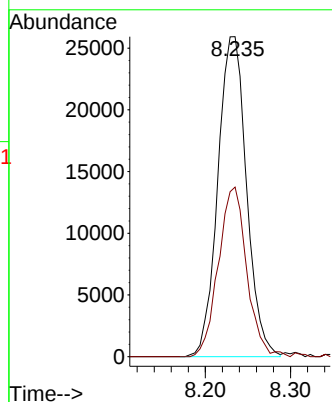
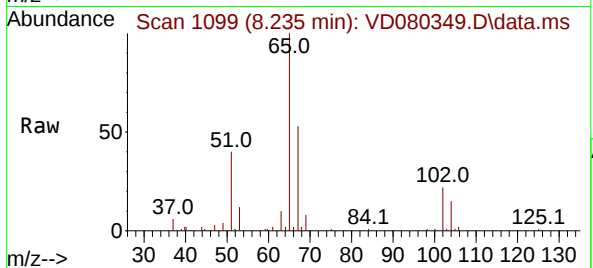
L3-WC-3-VOC

Tgt Ion: 65 Resp: 60607

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1192

Delta R.T. 0.007 min

Lab File: VD080349.D

Acq: 15 May 2025 15:32

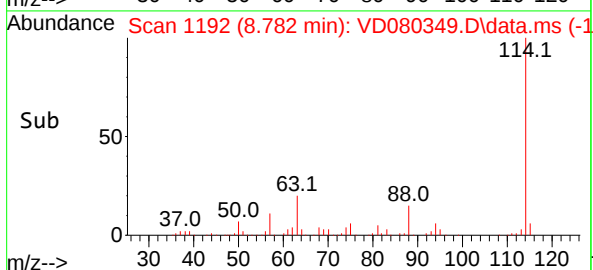
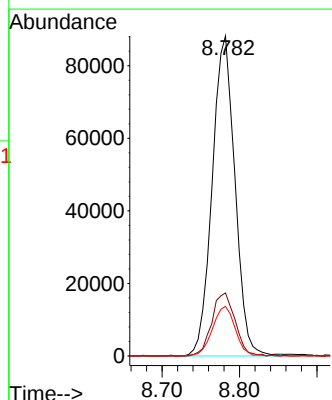
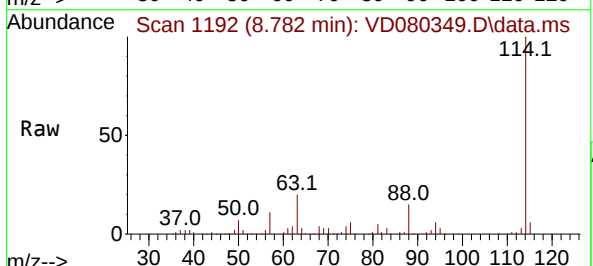
Tgt Ion: 114 Resp: 179763

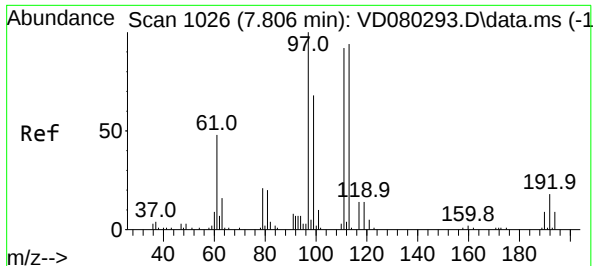
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.794 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080349.D

Acq: 15 May 2025 15:32

Instrument :

MSVOA_D

ClientSampleId :

L3-WC-3-VOC

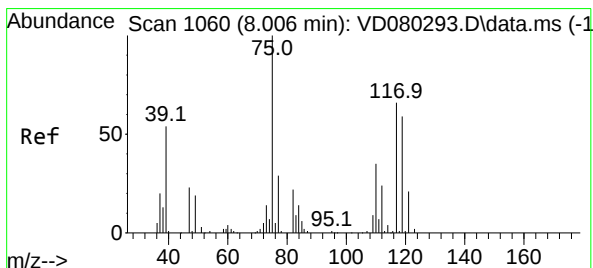
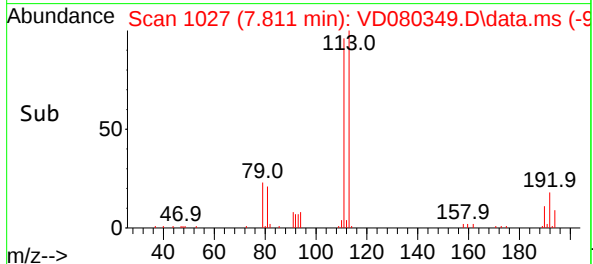
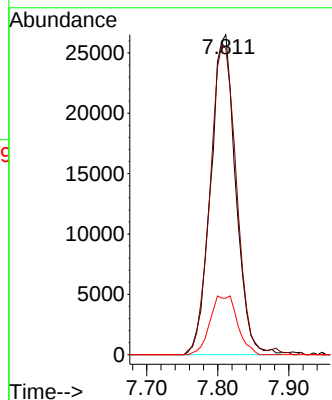
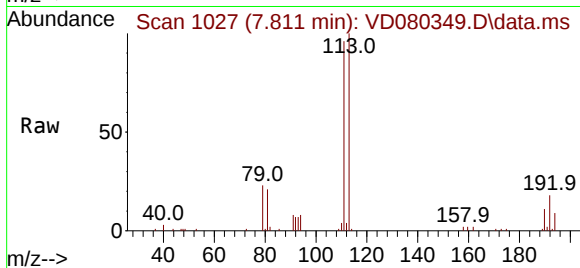
Tgt Ion:113 Resp: 64813

Ion Ratio Lower Upper

113 100

111 101.2 82.5 123.7

192 20.1 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.482 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080349.D

Acq: 15 May 2025 15:32

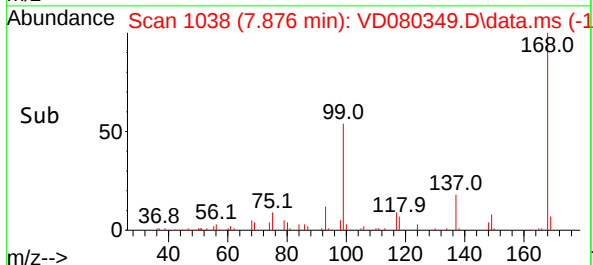
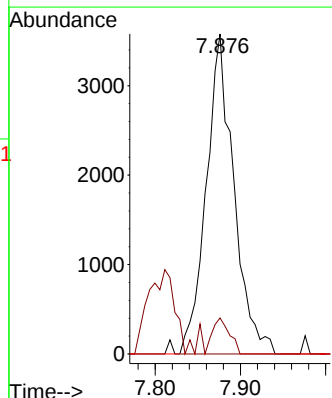
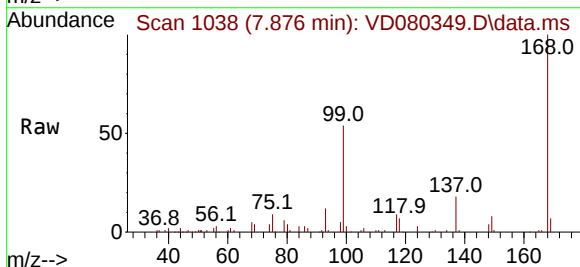
Tgt Ion: 75 Resp: 8071

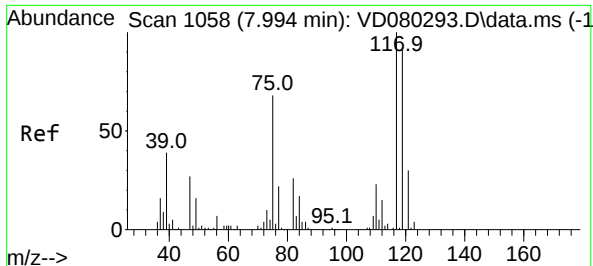
Ion Ratio Lower Upper

75 100

110 7.0 18.4 55.0#

77 0.0 25.6 38.4#

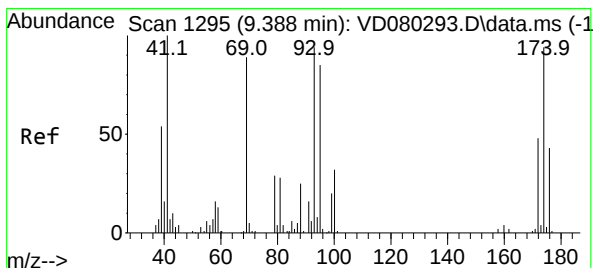
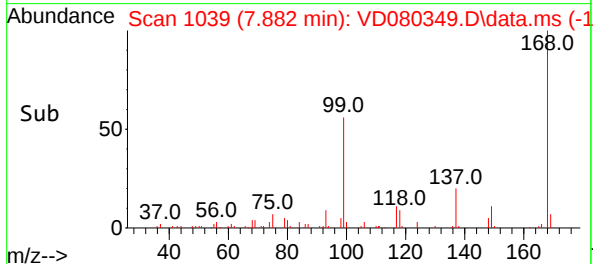
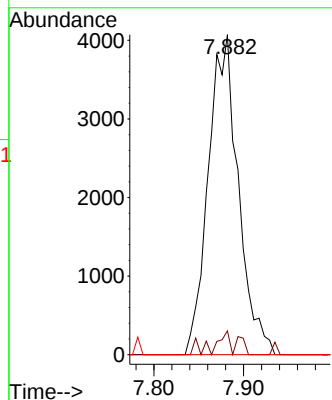
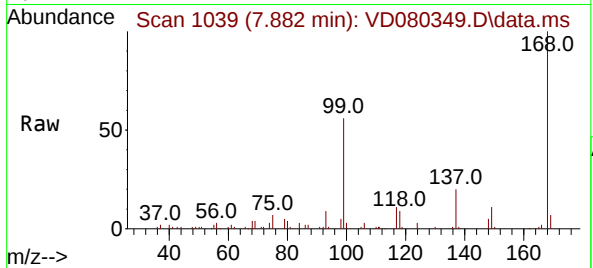




#38
Carbon Tetrachloride
Concen: 5.033 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. -0.105 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

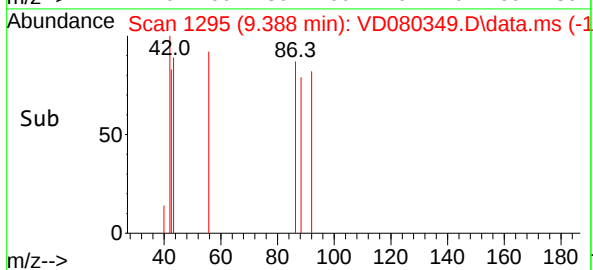
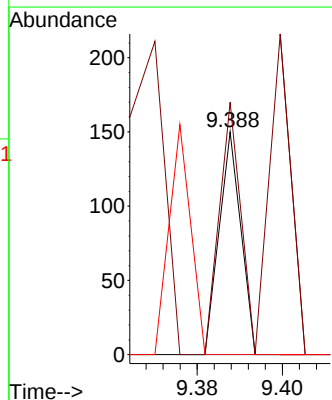
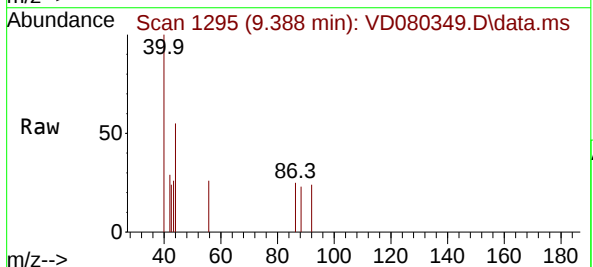
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-3-VOC

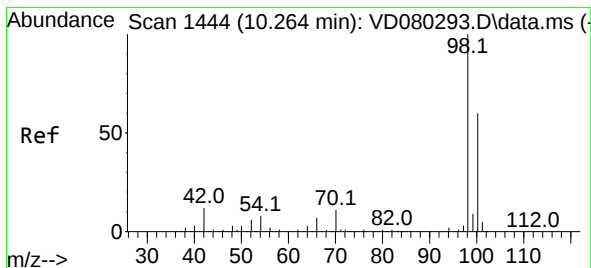
Tgt Ion:117 Resp: 9452
Ion Ratio Lower Upper
117 100
119 7.5 73.4 110.0#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 5.658 ug/l
RT: 9.388 min Scan# 1295
Delta R.T. 0.001 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 113.2 29.1 43.7#
58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 49.658 ug/l

RT: 10.270 min Scan# 1444

Delta R.T. 0.001 min

Lab File: VD080349.D

Acq: 15 May 2025 15:32

Instrument :

MSVOA_D

ClientSampleId :

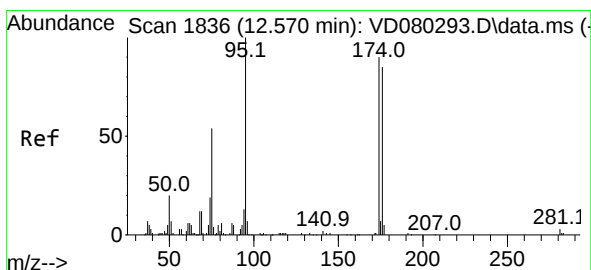
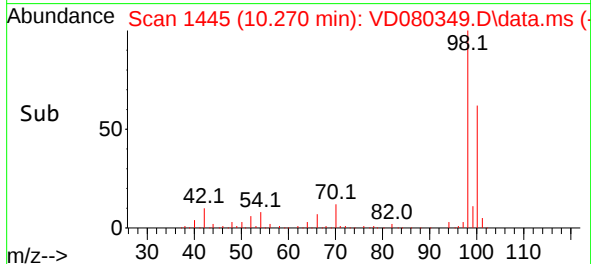
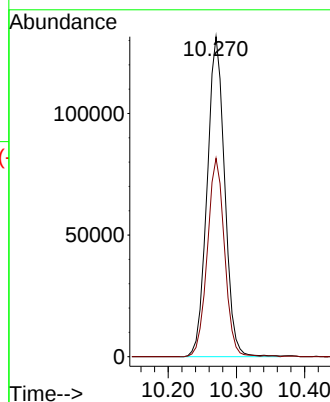
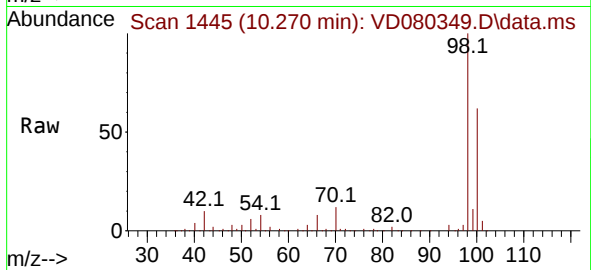
L3-WC-3-VOC

Tgt Ion: 98 Resp: 235735

Ion Ratio Lower Upper

98 100

100 60.6 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 45.032 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. 0.001 min

Lab File: VD080349.D

Acq: 15 May 2025 15:32

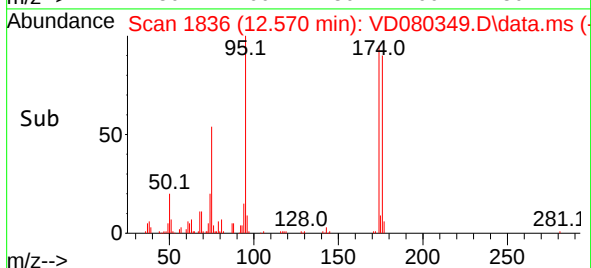
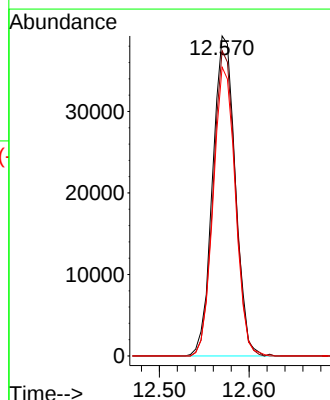
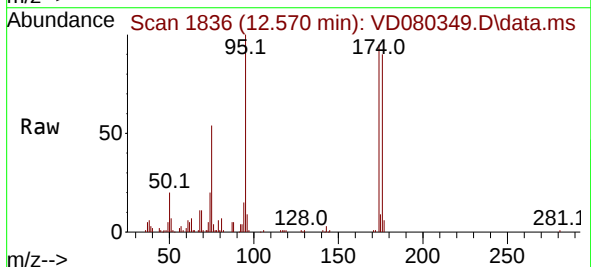
Tgt Ion: 95 Resp: 68615

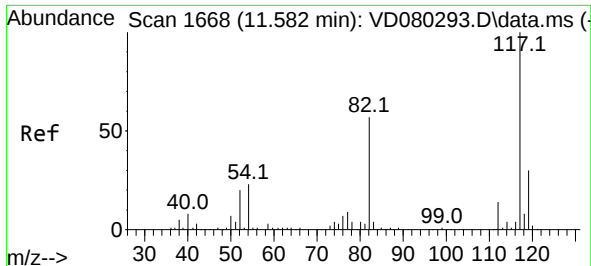
Ion Ratio Lower Upper

95 100

174 93.4 0.0 173.4

176 88.1 0.0 166.6

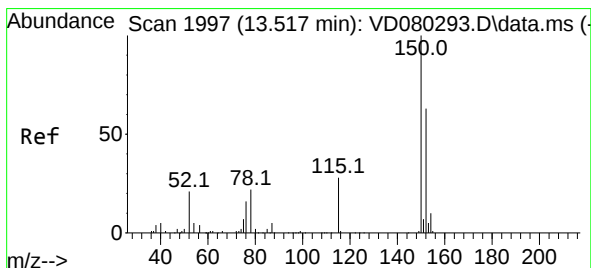
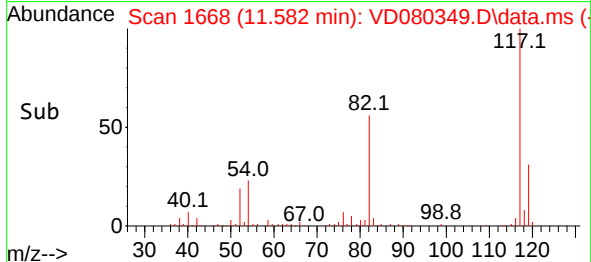
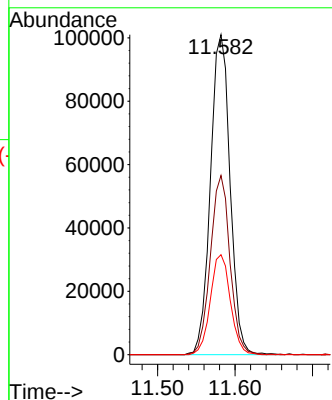
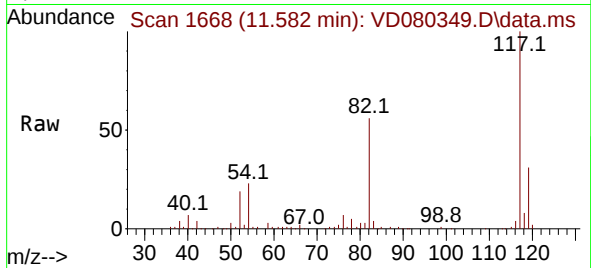




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117795
Delta R.T. 0.001 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

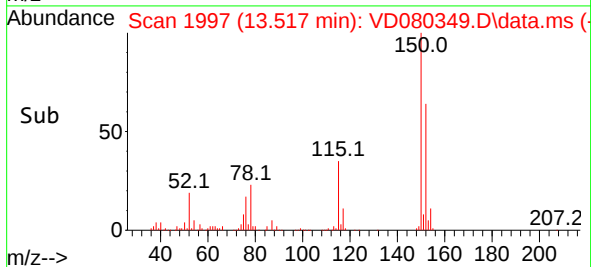
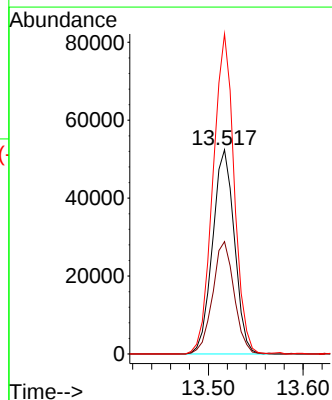
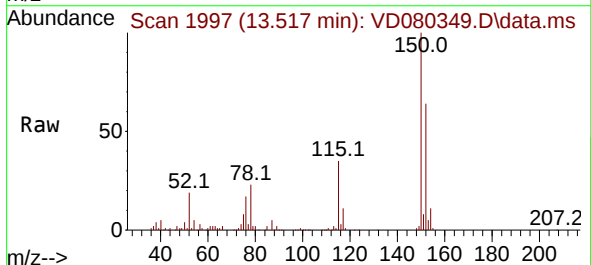
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-3-VOC

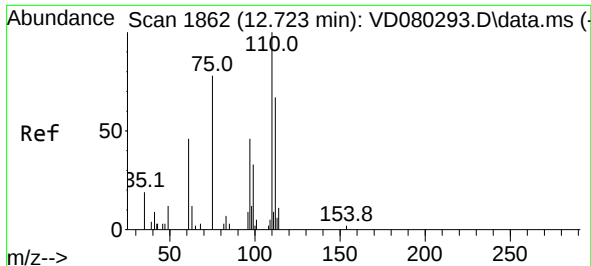
Tgt Ion:117 Resp: 177795
Ion Ratio Lower Upper
117 100
82 56.0 45.8 68.6
119 31.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

Tgt Ion:152 Resp: 83972
Ion Ratio Lower Upper
152 100
115 54.3 28.9 86.8
150 152.0 0.0 354.8

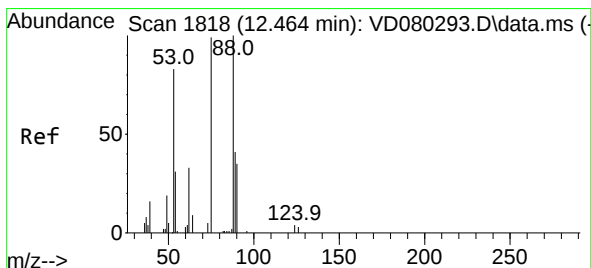
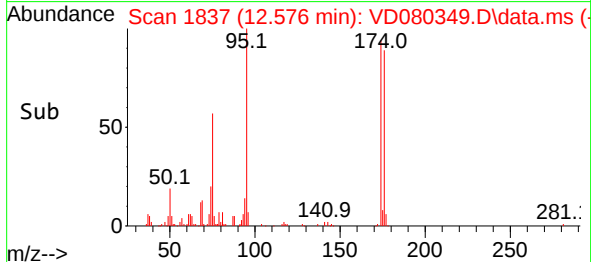
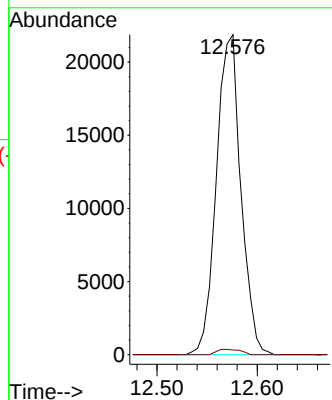
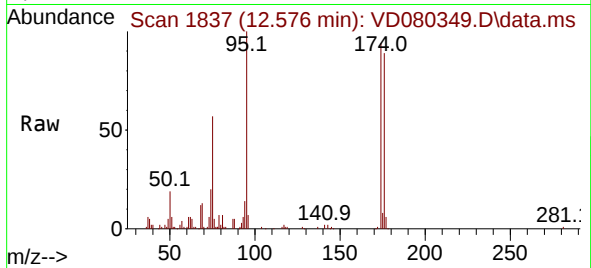




#76
1,2,3-Trichloropropane
Concen: 45.790 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. -0.146 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

Instrument :
MSVOA_D
ClientSampleId :
L3-WC-3-VOC

Tgt Ion: 75 Resp: 37110
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.917 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.107 min
Lab File: VD080349.D
Acq: 15 May 2025 15:32

Tgt Ion: 75 Resp: 37110
Ion Ratio Lower Upper
75 100
53 0.5 68.7 103.1#
89 0.0 36.1 54.1#

