

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080327.D
 Acq On : 14 May 2025 17:28
 Operator : RP/MD
 Sample : Q2017-07
 Misc : 4.14G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-J-VOC

Quant Time: May 15 03:37:40 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)

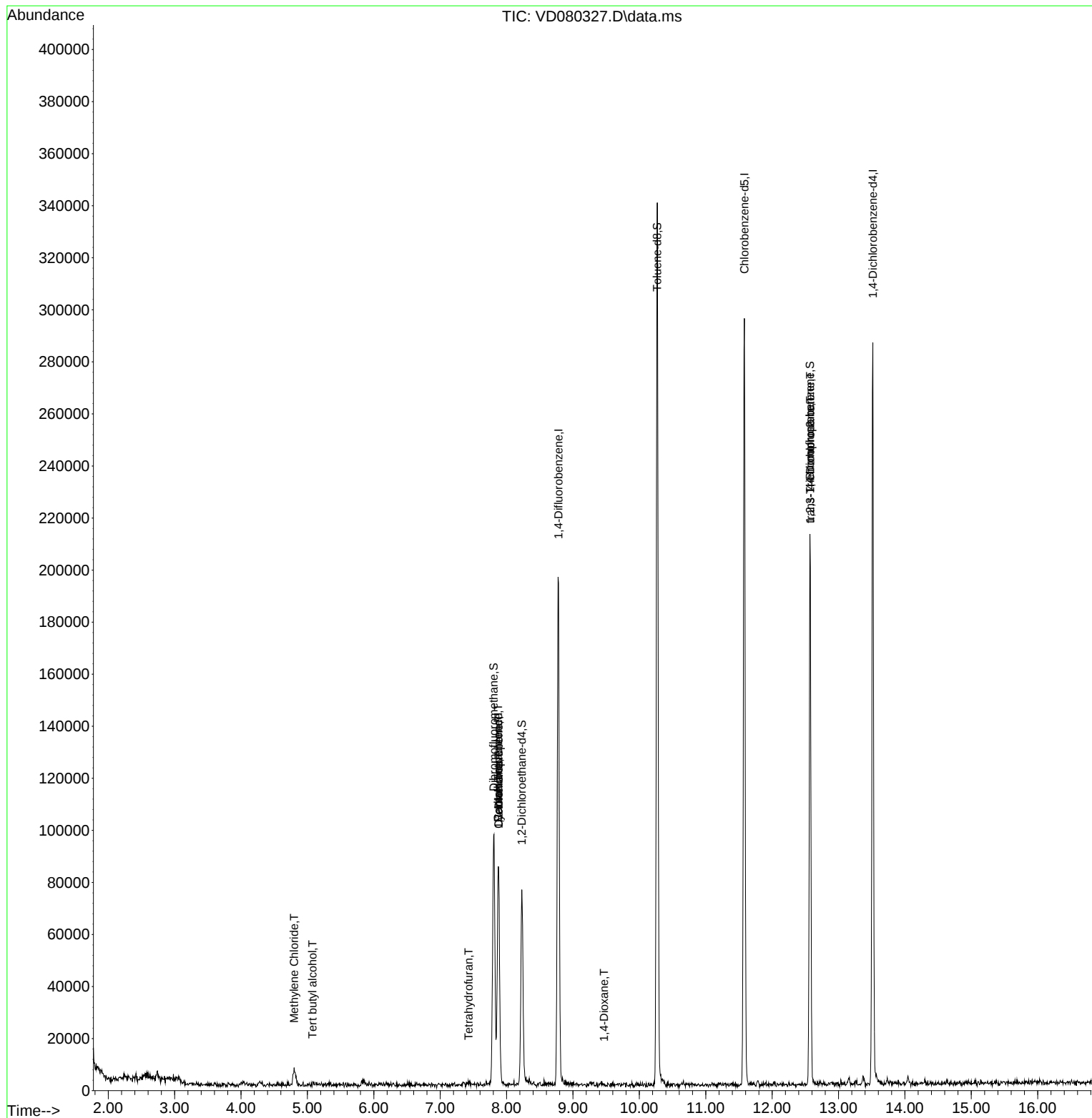
Internal Standards						
1) Pentafluorobenzene	7.876	168	64578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	169434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	167112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	76375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	58009	69.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.920%	
35) Dibromofluoromethane	7.806	113	68864	60.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.280%	
50) Toluene-d8	10.270	98	232436	51.948	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.900%	
62) 4-Bromofluorobenzene	12.570	95	64808	45.126	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.165	50	324	Below Cal	#	39
11) Tert butyl alcohol	5.076	59	56	1.105	ug/l #	1
16) Acetone	4.023	43	1214	Below Cal	#	62
20) Methylene Chloride	4.800	84	4284	1.058	ug/l #	85
29) Tetrahydrofuran	7.429	42	326	2.176	ug/l #	49
31) Cyclohexane	7.882	56	1831	1.350	ug/l #	63
36) 1,1-Dichloropropene	7.882	75	5734	3.378	ug/l #	47
38) Carbon Tetrachloride	7.876	117	6797	3.840	ug/l #	21
49) 1,4-Dioxane	9.470	88	53	6.003	ug/l #	1
76) 1,2,3-Trichloropropane	12.576	75	32509	44.103	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.576	75	32509	83.714	ug/l #	15

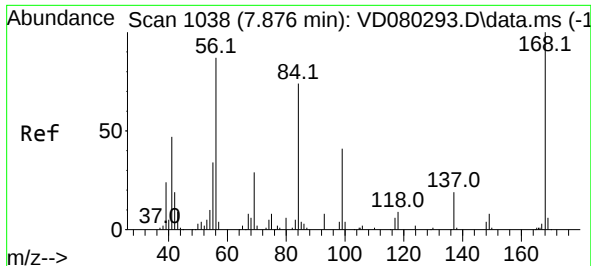
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 03:37:40 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

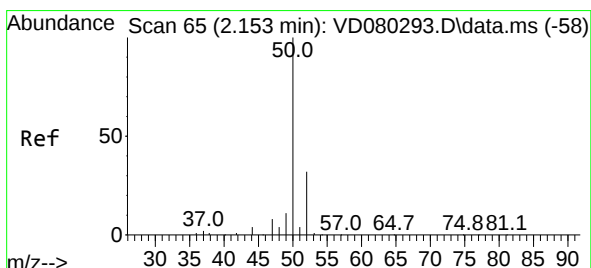
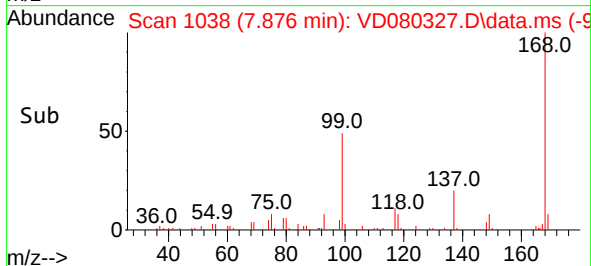
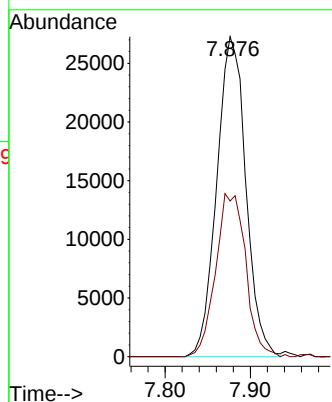
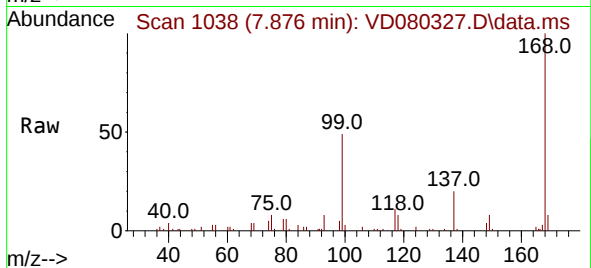




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

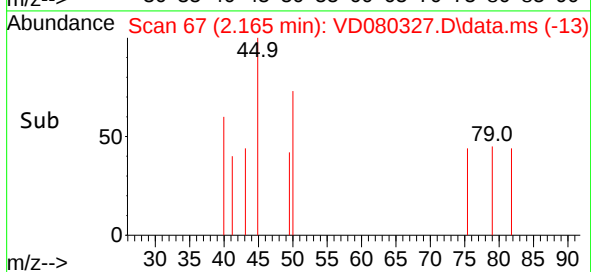
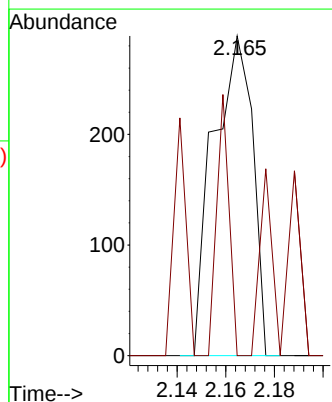
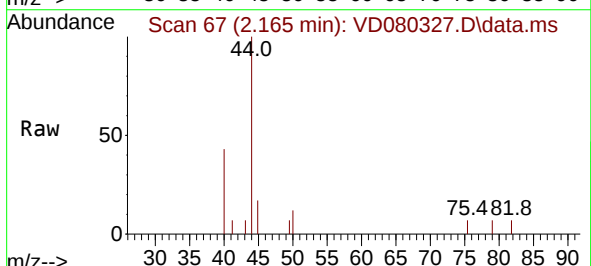
Instrument :
MSVOA_D
ClientSampleId :
MH-J-VOC

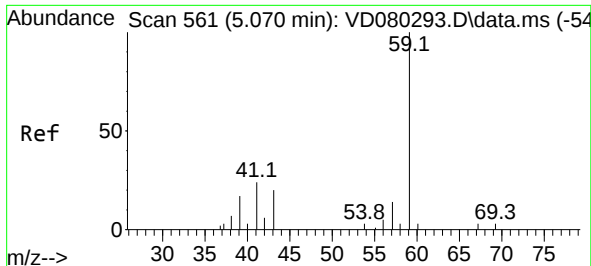
Tgt Ion:168 Resp: 64578
Ion Ratio Lower Upper
168 100
99 48.7 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 2.165 min Scan# 67
Delta R.T. 0.019 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

Tgt Ion: 50 Resp: 324
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#

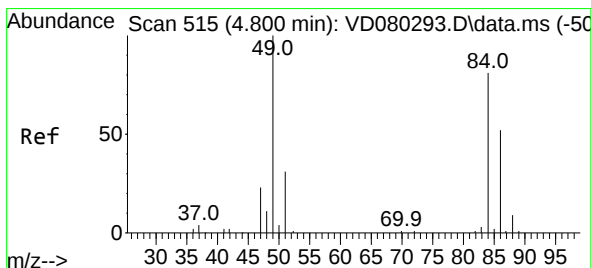
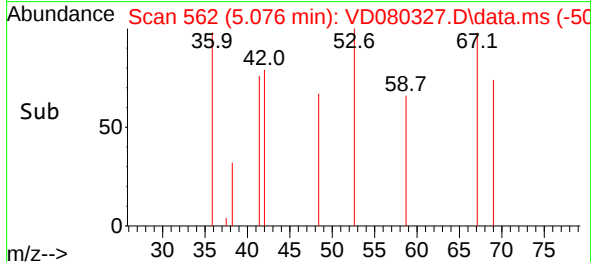
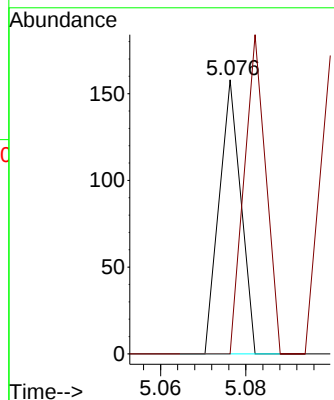
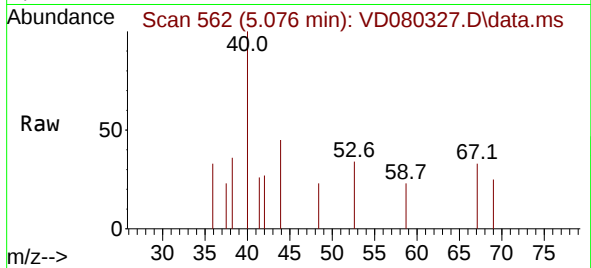




#11
Tert butyl alcohol
Concen: 1.105 ug/l
RT: 5.076 min Scan# 50
Delta R.T. 0.018 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

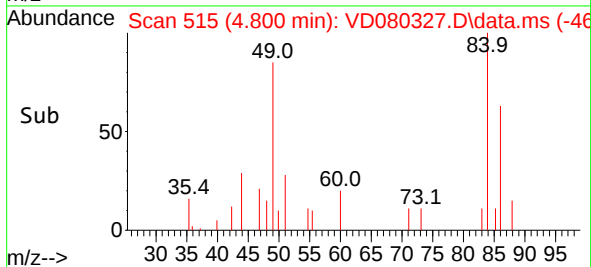
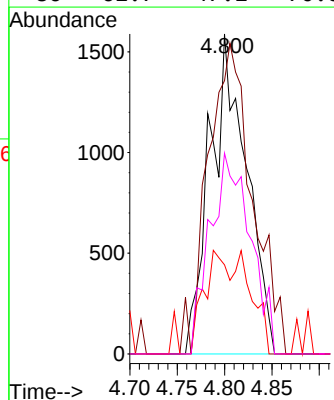
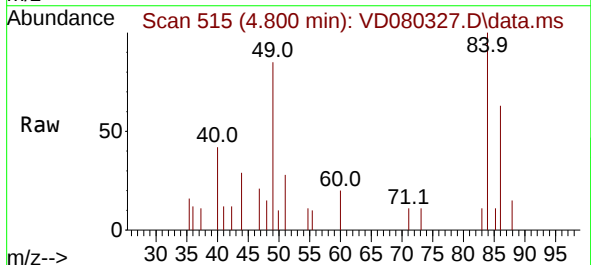
Instrument :
MSVOA_D
ClientSampleId :
MH-J-VOC

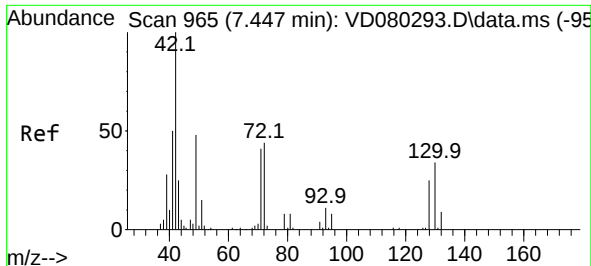
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 116.1 4.8 7.2#



#20
Methylene Chloride
Concen: 1.058 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

Tgt Ion: 84 Resp: 4284
Ion Ratio Lower Upper
84 100
49 85.4 86.5 129.7#
51 27.8 26.9 40.3
86 62.7 47.2 70.8

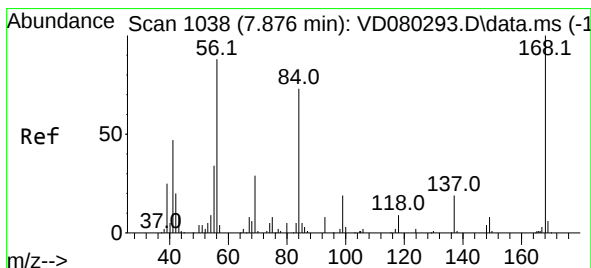
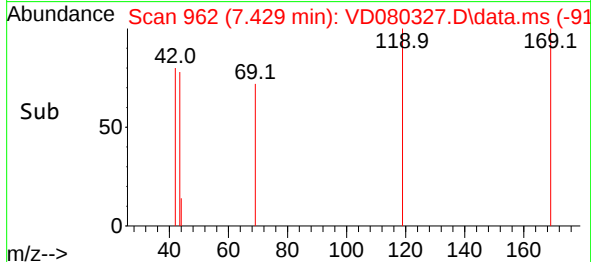
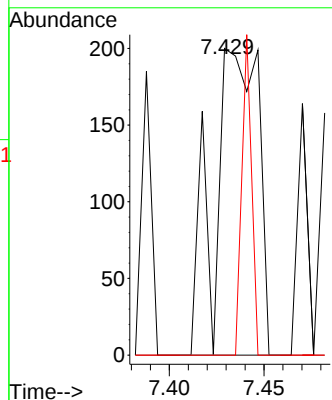
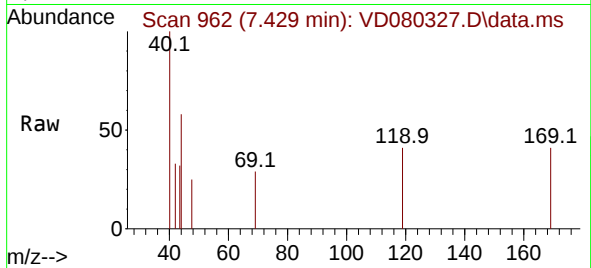




#29
Tetrahydrofuran
Concen: 2.176 ug/l
RT: 7.429 min Scan# 91
Delta R.T. -0.017 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

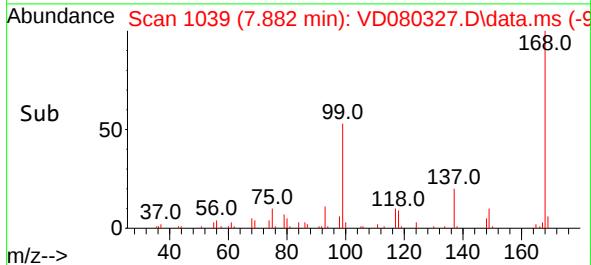
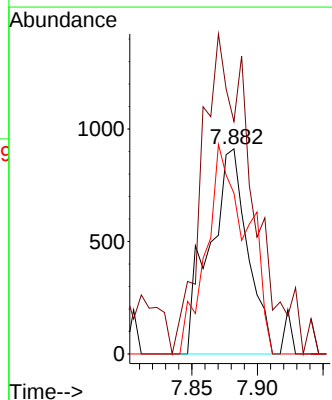
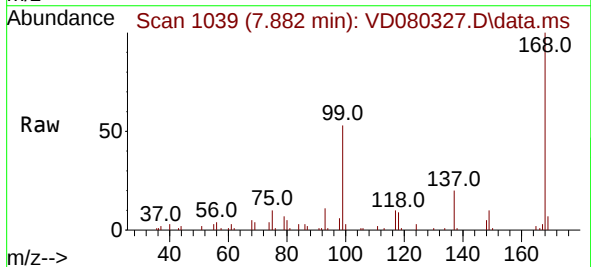
Instrument :
MSVOA_D
ClientSampleId :
MH-J-VOC

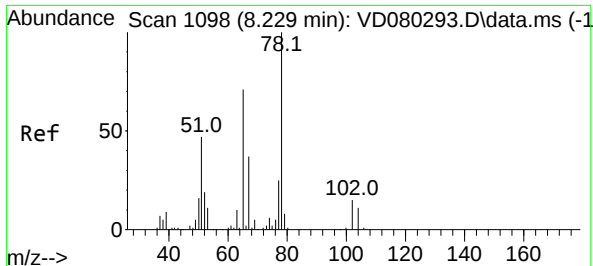
Tgt Ion: 42 Resp: 326
Ion Ratio Lower Upper
42 100
72 0.0 36.7 55.1#
71 22.7 34.4 51.6#



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. 0.001 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

Tgt Ion: 56 Resp: 1831
Ion Ratio Lower Upper
56 100
69 95.9 27.3 40.9#
84 78.4 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 69.463 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.001 min

Lab File: VD080327.D

Acq: 14 May 2025 17:28

Instrument :

MSVOA_D

ClientSampleId :

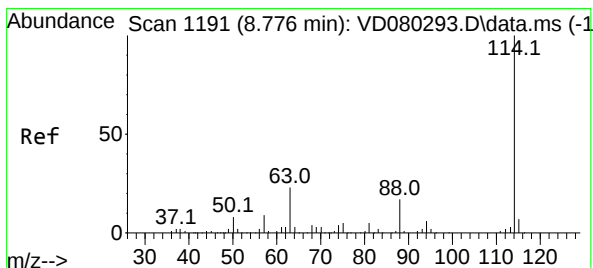
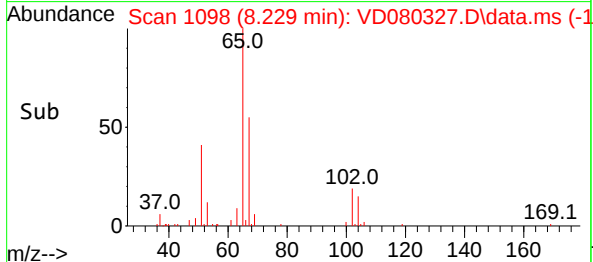
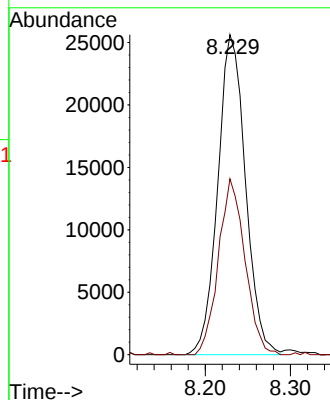
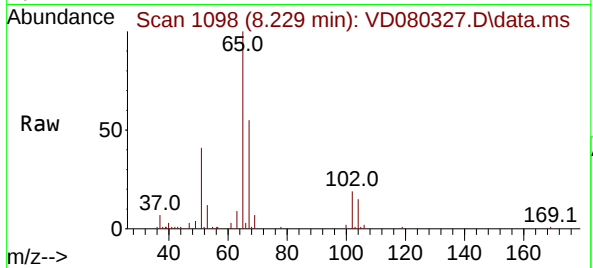
MH-J-VOC

Tgt Ion: 65 Resp: 58009

Ion Ratio Lower Upper

65 100

67 52.5 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: VD080327.D

Acq: 14 May 2025 17:28

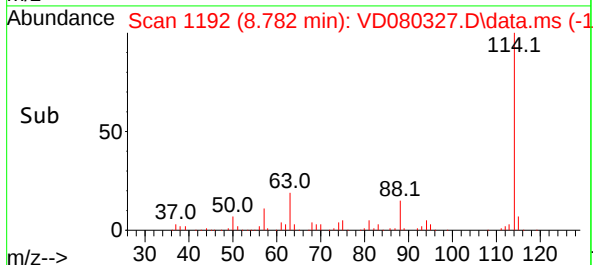
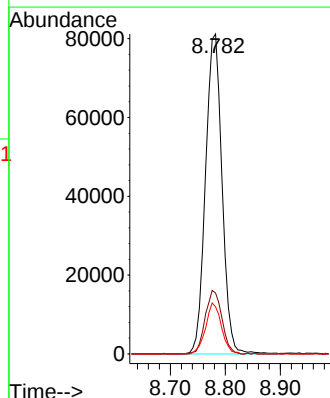
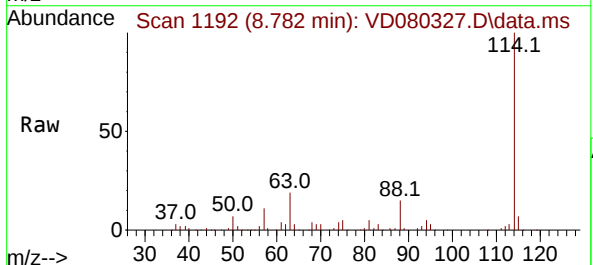
Tgt Ion: 114 Resp: 169434

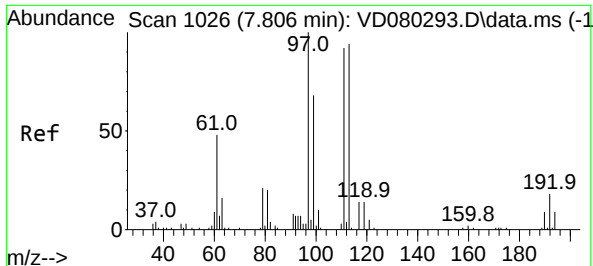
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 60.641 ug/l

RT: 7.806 min Scan# 1039

Delta R.T. 0.001 min

Lab File: VD080327.D

Acq: 14 May 2025 17:28

Instrument :

MSVOA_D

ClientSampleId :

MH-J-VOC

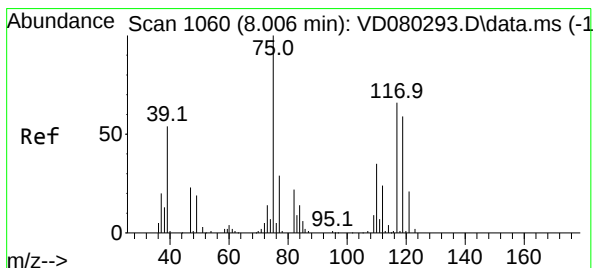
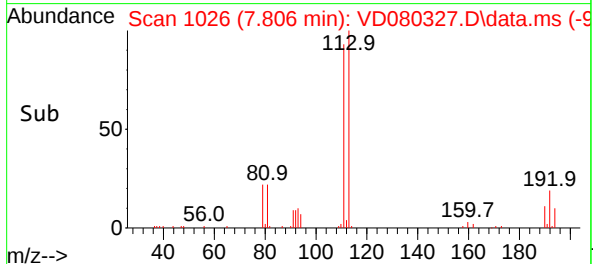
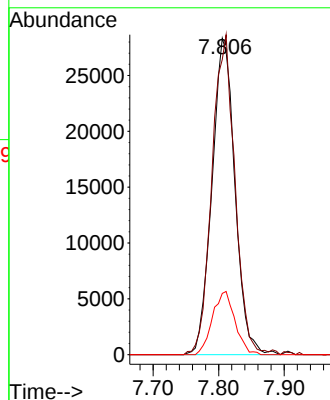
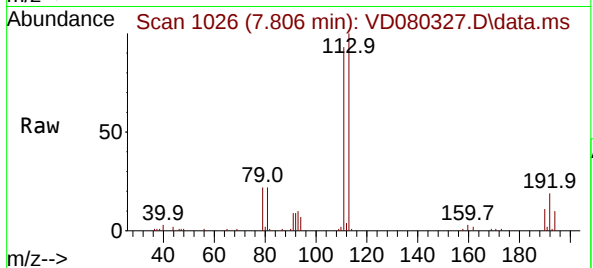
Tgt Ion:113 Resp: 68864

Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 19.6 16.6 25.0



#36

1,1-Dichloropropene

Concen: 3.378 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.123 min

Lab File: VD080327.D

Acq: 14 May 2025 17:28

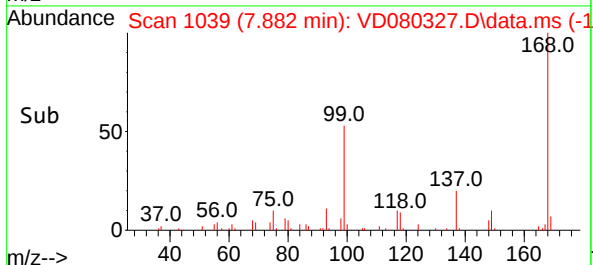
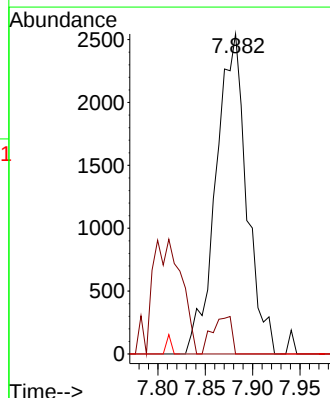
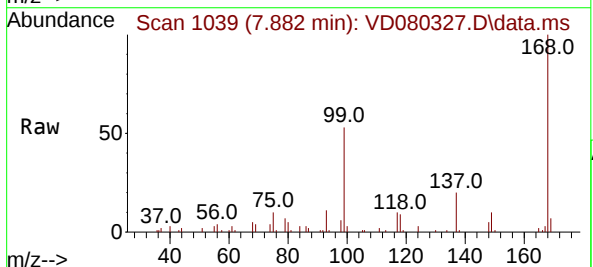
Tgt Ion: 75 Resp: 5734

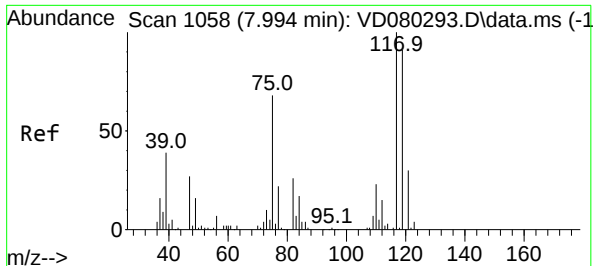
Ion Ratio Lower Upper

75 100

110 7.4 18.4 55.0#

77 0.0 25.6 38.4#

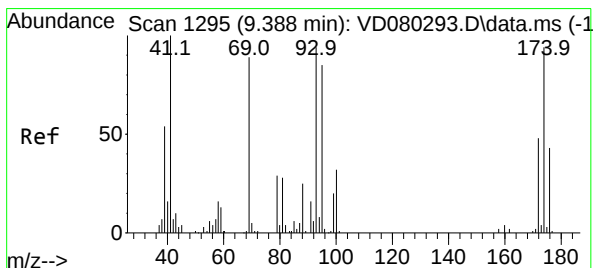
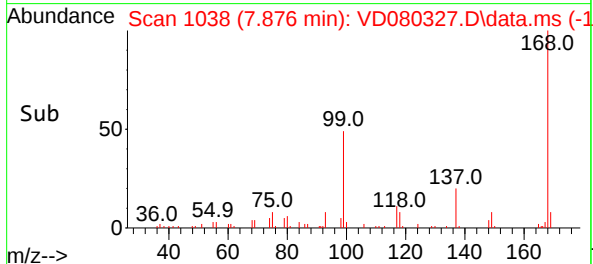
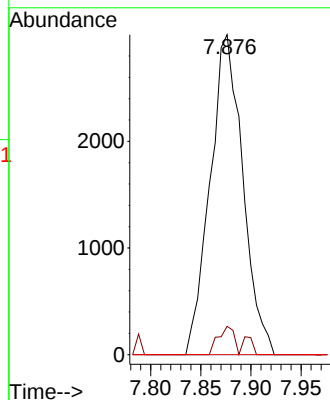
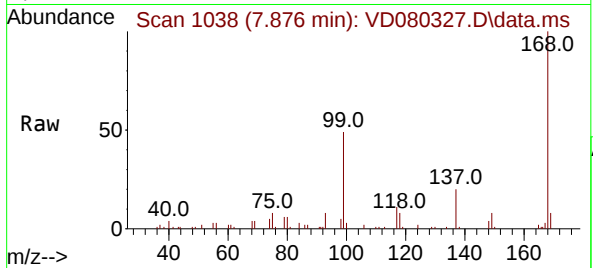




#38
Carbon Tetrachloride
Concen: 3.840 ug/l
RT: 7.876 min Scan# 1058
Delta R.T. -0.111 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

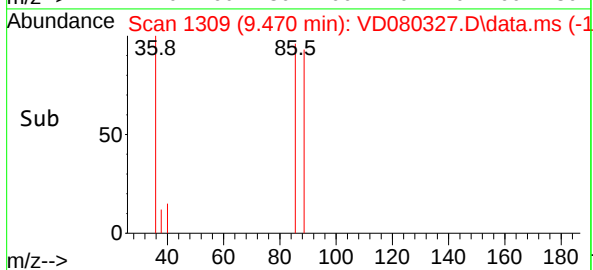
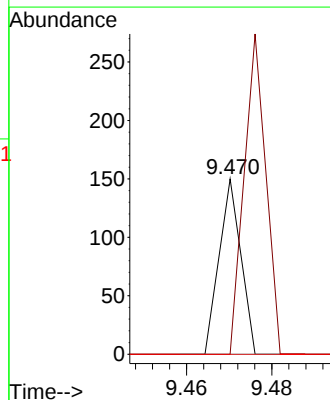
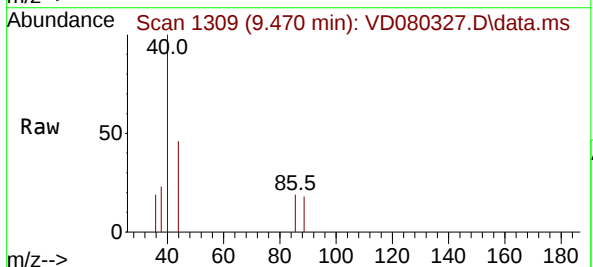
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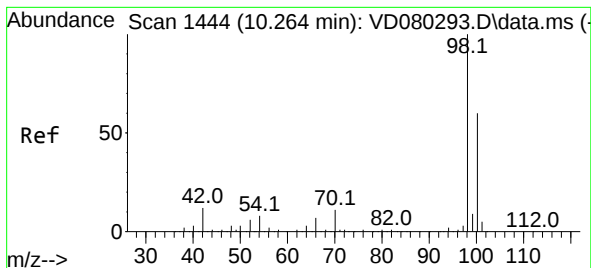
Tgt Ion:117 Resp: 6797
Ion Ratio Lower Upper
117 100
119 8.9 73.4 110.0#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 6.003 ug/l
RT: 9.470 min Scan# 1309
Delta R.T. 0.083 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 183.0 29.1 43.7#
58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 51.948 ug/l

RT: 10.270 min Scan# 1444

Delta R.T. 0.001 min

Lab File: VD080327.D

Acq: 14 May 2025 17:28

Instrument :

MSVOA_D

ClientSampleId :

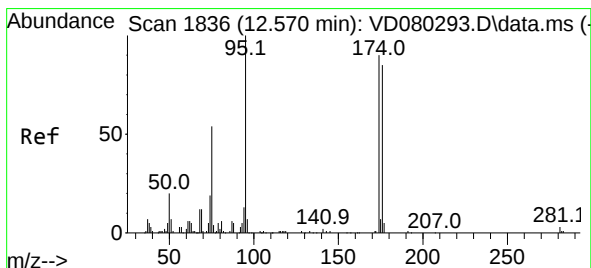
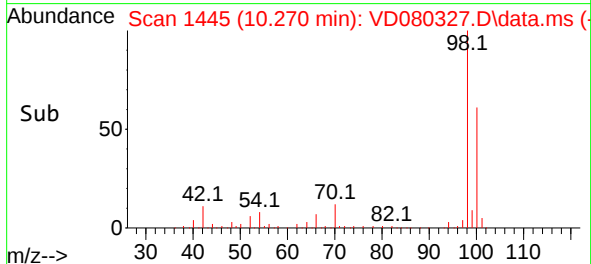
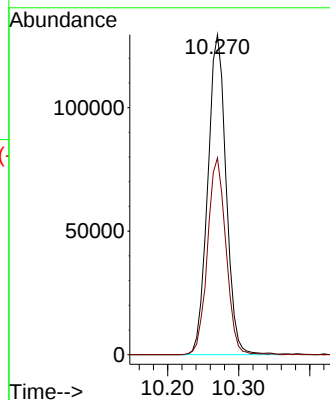
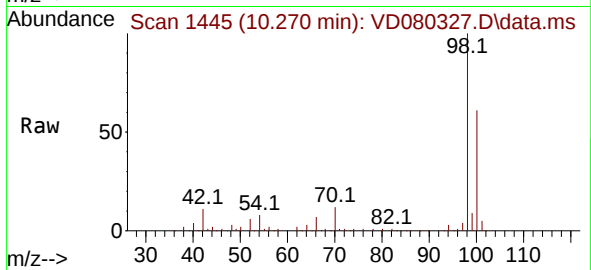
MH-J-VOC

Tgt Ion: 98 Resp: 232436

Ion Ratio Lower Upper

98 100

100 61.9 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 45.126 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. 0.001 min

Lab File: VD080327.D

Acq: 14 May 2025 17:28

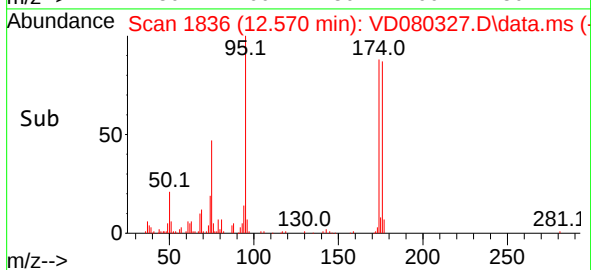
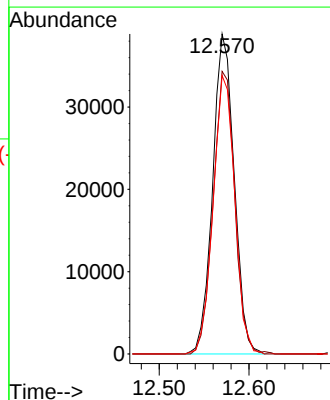
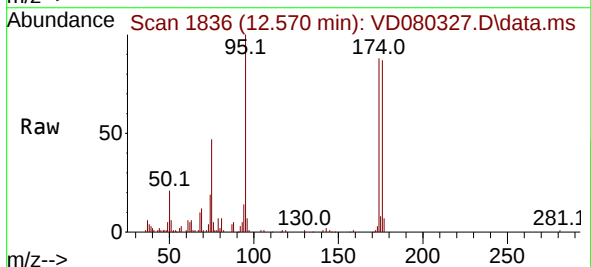
Tgt Ion: 95 Resp: 64808

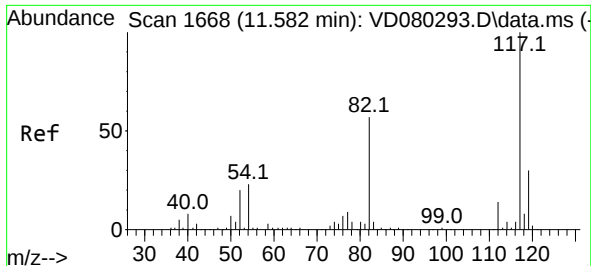
Ion Ratio Lower Upper

95 100

174 88.2 0.0 173.4

176 87.3 0.0 166.6

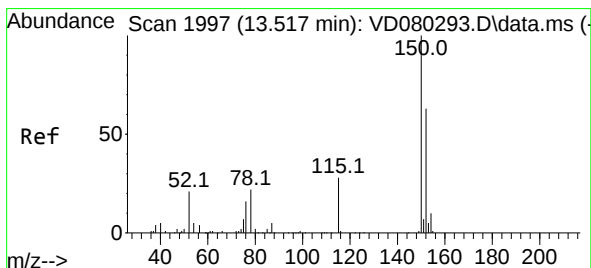
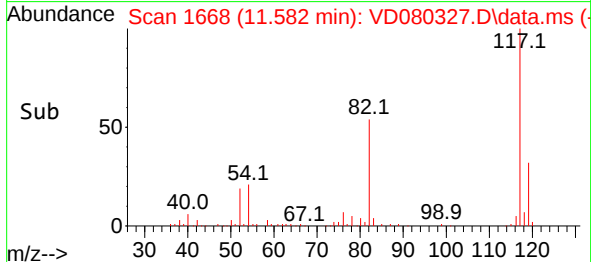
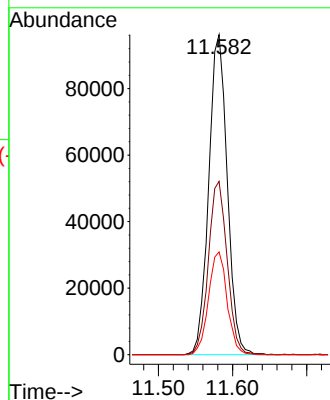
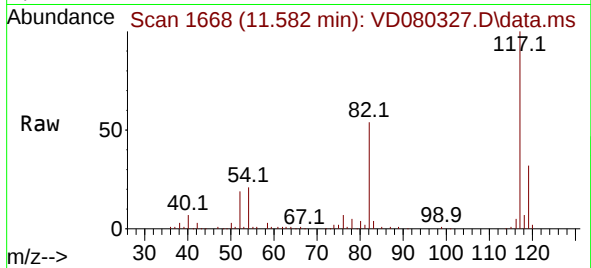




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

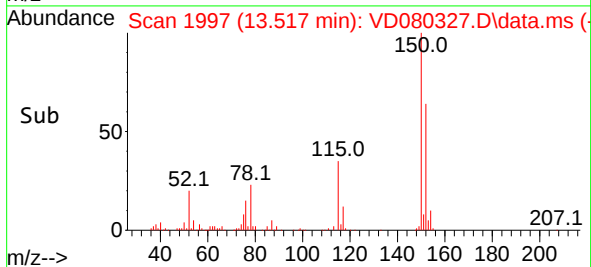
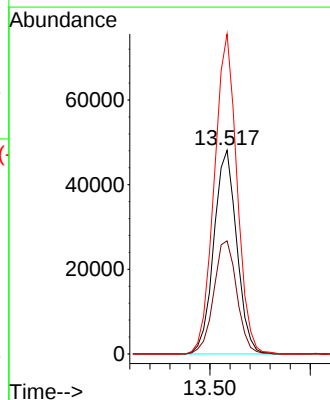
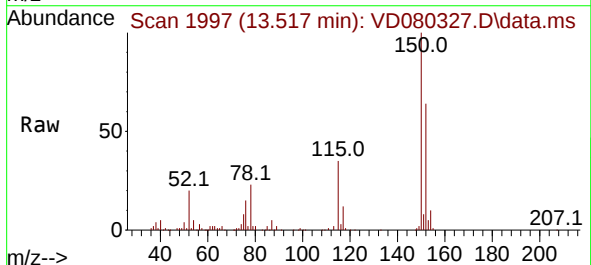
Instrument :
MSVOA_D
ClientSampleId :
MH-J-VOC

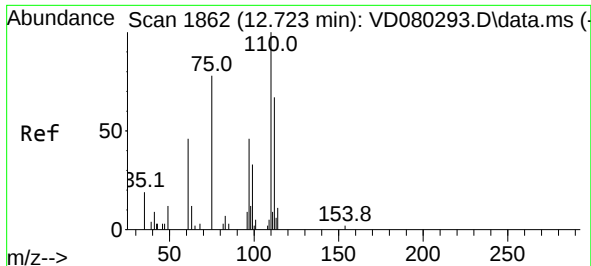
Tgt Ion:117 Resp: 167112
Ion Ratio Lower Upper
117 100
82 54.1 45.8 68.6
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

Tgt Ion:152 Resp: 76375
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.8
150 155.7 0.0 354.8

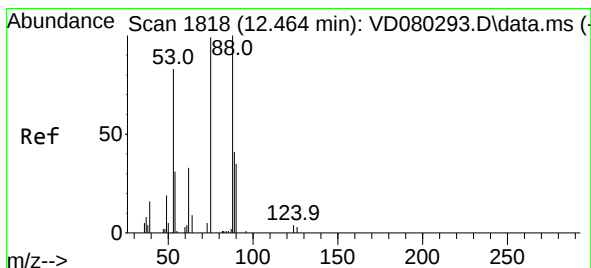
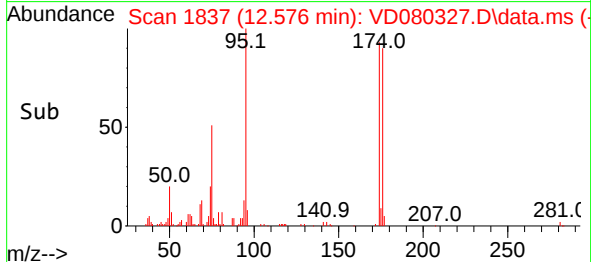
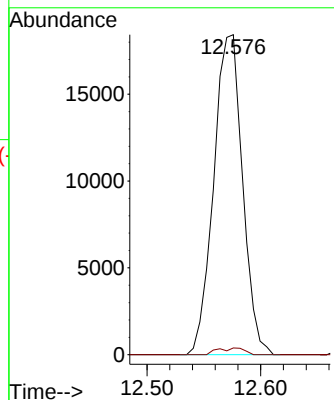
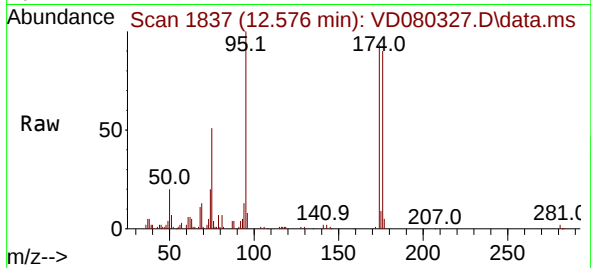




#76
1,2,3-Trichloropropane
Concen: 44.103 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. -0.146 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

Instrument :
MSVOA_D
ClientSampleId :
MH-J-VOC

Tgt Ion: 75 Resp: 32509
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.714 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.107 min
Lab File: VD080327.D
Acq: 14 May 2025 17:28

Tgt Ion: 75 Resp: 32509
Ion Ratio Lower Upper
75 100
53 0.7 68.7 103.1#
89 0.2 36.1 54.1#

