

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080324.D
 Acq On : 14 May 2025 16:03
 Operator : RP/MD
 Sample : Q2022-02
 Misc : 5.22G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Quant Time: May 15 03:36:38 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)

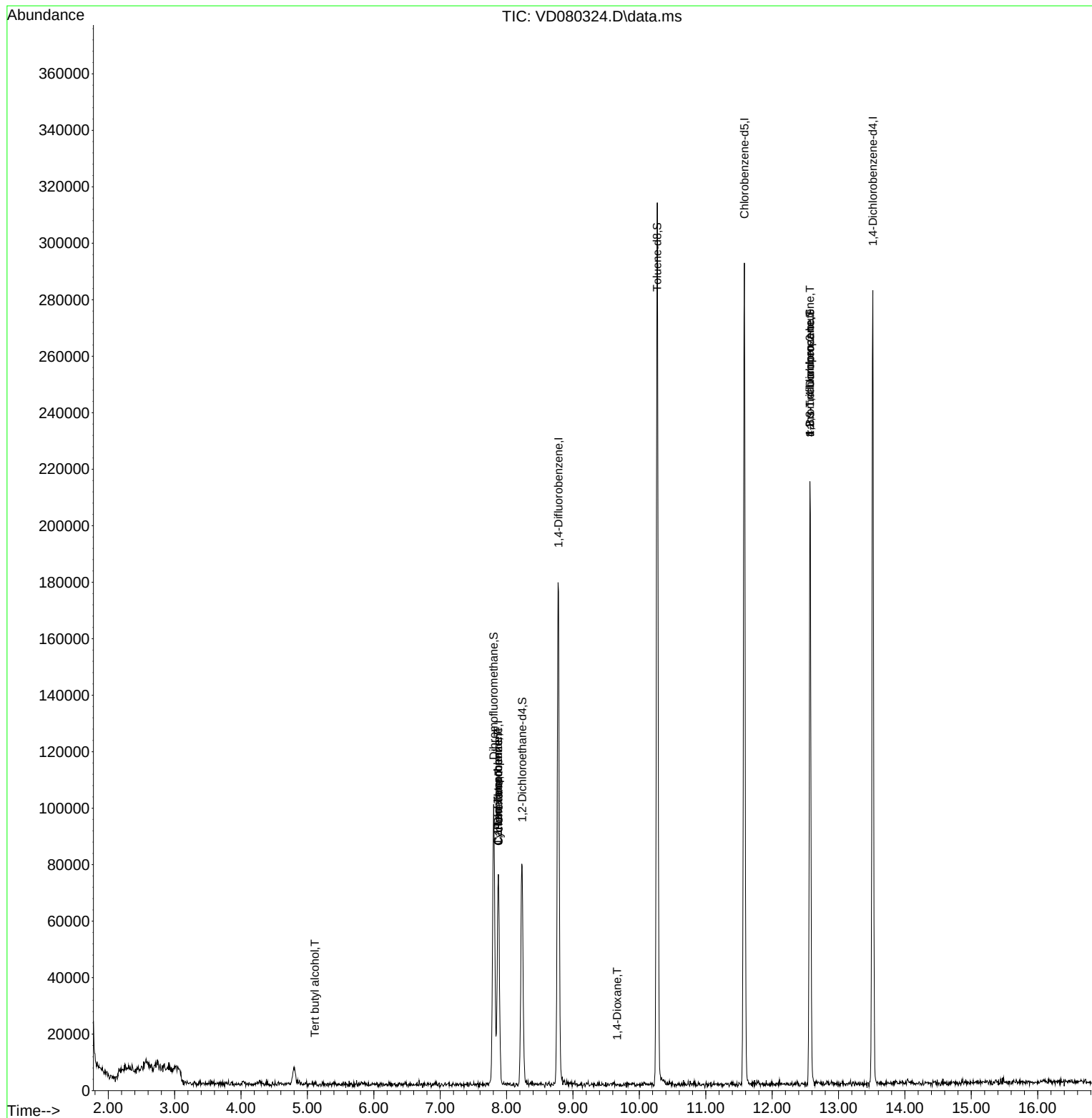
Internal Standards						
1) Pentafluorobenzene	7.876	168	56788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	153411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	76503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	63106	85.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 171.860%#	
35) Dibromofluoromethane	7.805	113	67811	65.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.900%	
50) Toluene-d8	10.270	98	208816	51.543	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.080%	
62) 4-Bromofluorobenzene	12.570	95	63451	48.796	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.829	85	58	Below Cal	#	43
3) Chloromethane	2.141	50	71	Below Cal	#	39
11) Tert butyl alcohol	5.111	59	59	1.324	ug/l #	82
16) Acetone	4.029	43	1084	Below Cal	#	66
20) Methylene Chloride	4.794	84	2330	Below Cal	#	95
31) Cyclohexane	7.882	56	1819	1.525	ug/l #	27
36) 1,1-Dichloropropene	7.870	75	4738	3.083	ug/l #	47
38) Carbon Tetrachloride	7.870	117	5541	3.457	ug/l #	14
49) 1,4-Dioxane	9.664	88	57	7.131	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	34092	46.173	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	34092	87.644	ug/l #	16

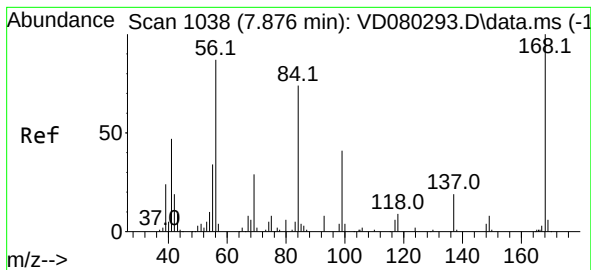
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

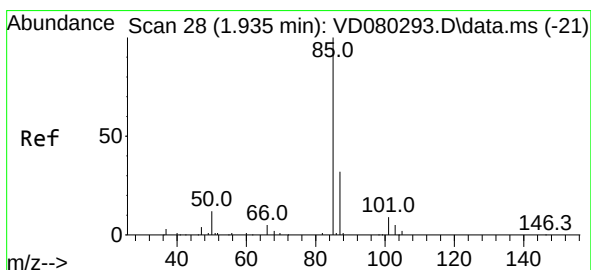
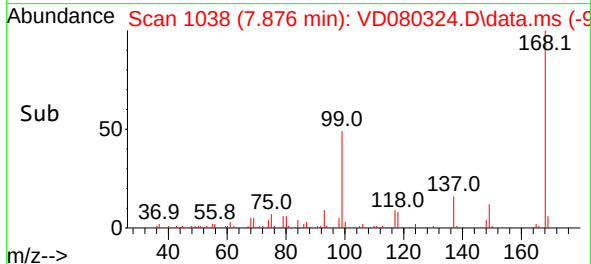
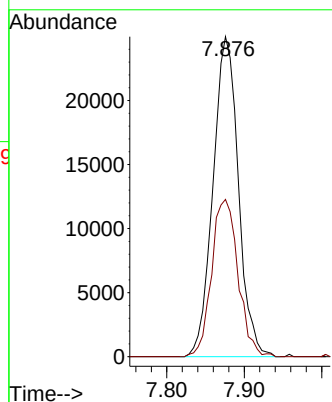
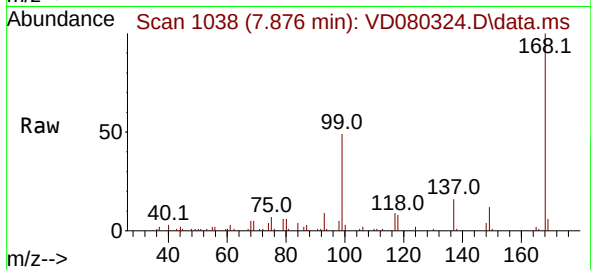




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

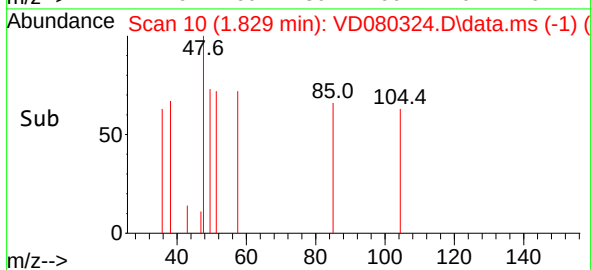
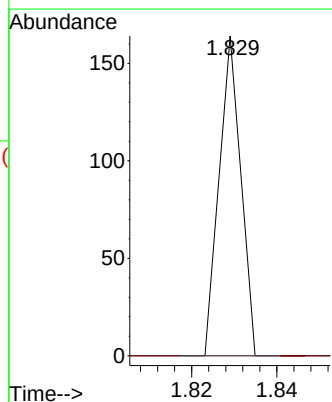
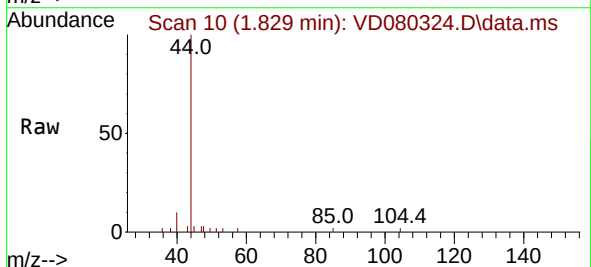
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

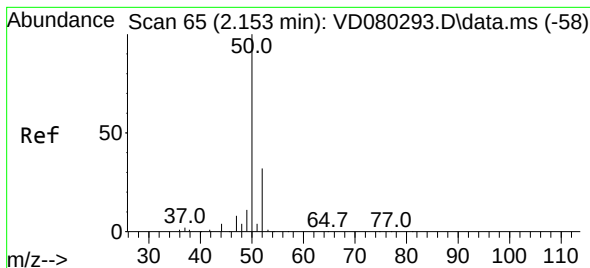
Tgt Ion:168 Resp: 56788
Ion Ratio Lower Upper
168 100
99 49.1 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.829 min Scan# 10
Delta R.T. -0.105 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#3

Chloromethane

Concen: Below Cal

RT: 2.141 min Scan# 61

Delta R.T. -0.005 min

Lab File: VD080324.D

Acq: 14 May 2025 16:03

Instrument :

MSVOA_D

ClientSampleId :

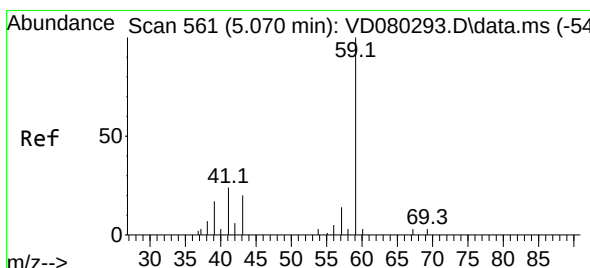
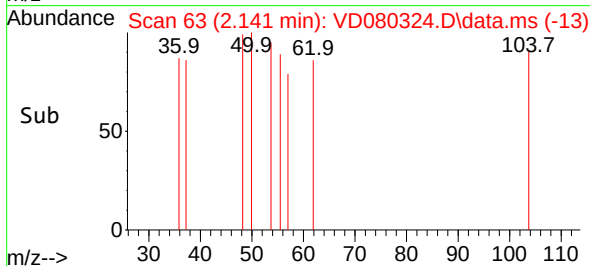
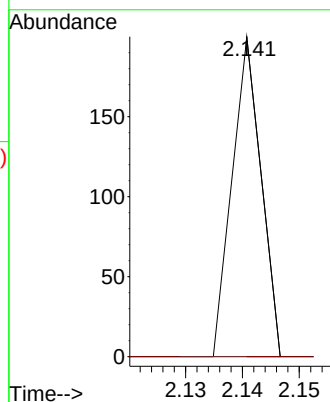
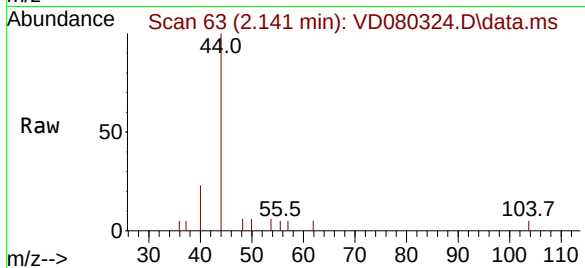
COMP-1

Tgt Ion: 50 Resp: 71

Ion Ratio Lower Upper

50 100

52 0.0 28.8 43.2#



#11

Tert butyl alcohol

Concen: 1.324 ug/l

RT: 5.111 min Scan# 568

Delta R.T. 0.053 min

Lab File: VD080324.D

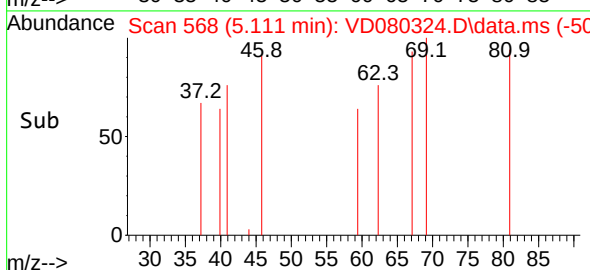
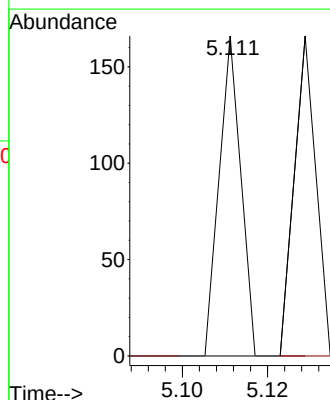
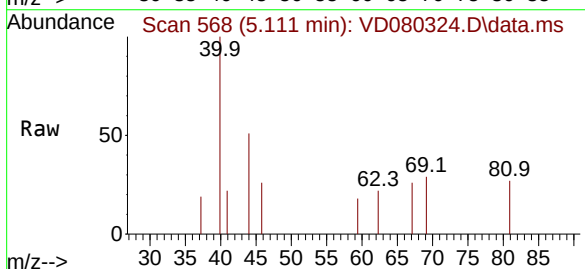
Acq: 14 May 2025 16:03

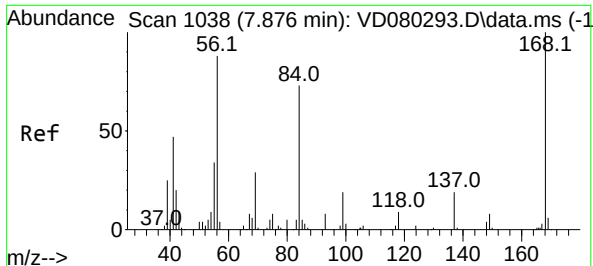
Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 4.8 7.2#

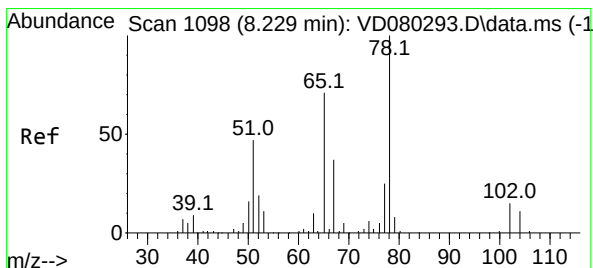
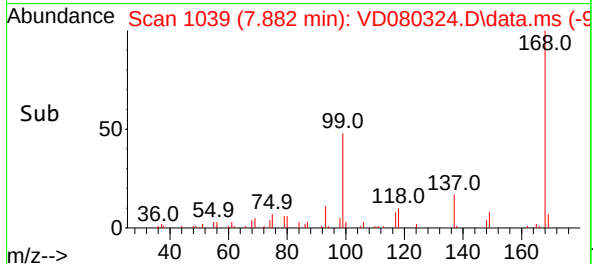
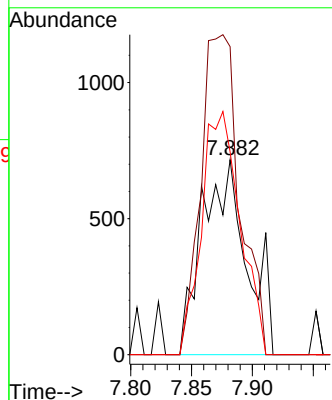
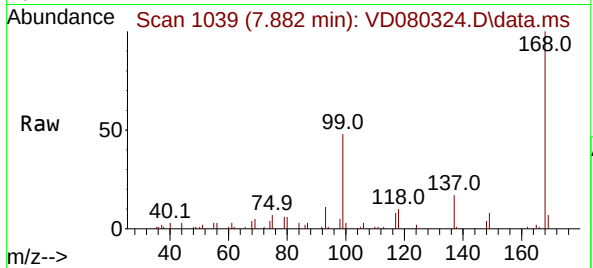




#31
Cyclohexane
Concen: 1.525 ug/l
RT: 7.882 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

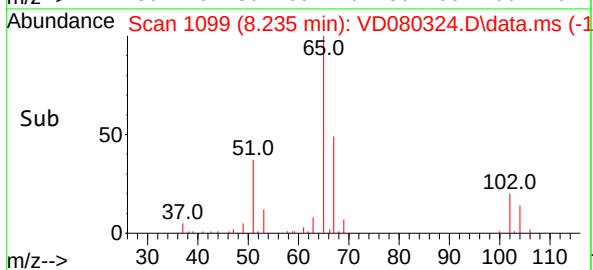
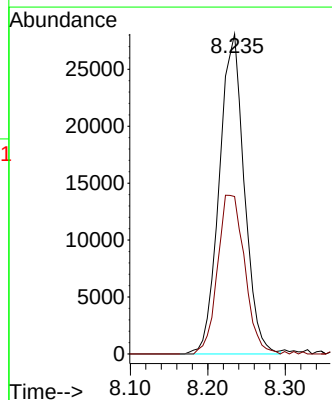
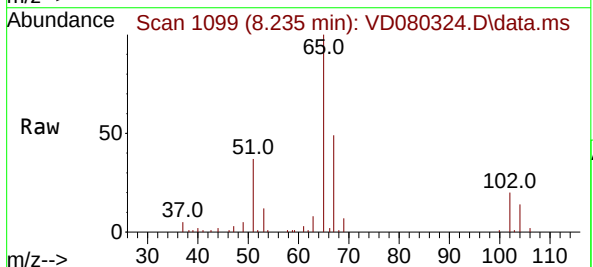
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

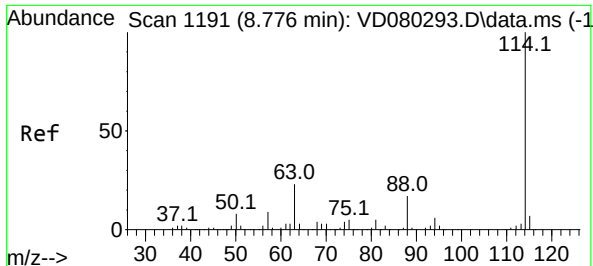
Tgt Ion: 56 Resp: 1819
Ion Ratio Lower Upper
56 100
69 157.9 27.3 40.9#
84 103.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 85.933 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

Tgt Ion: 65 Resp: 63106
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080324.D

Acq: 14 May 2025 16:03

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

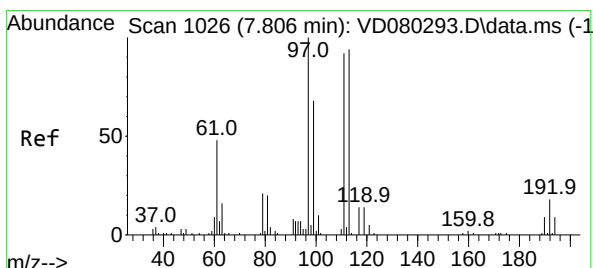
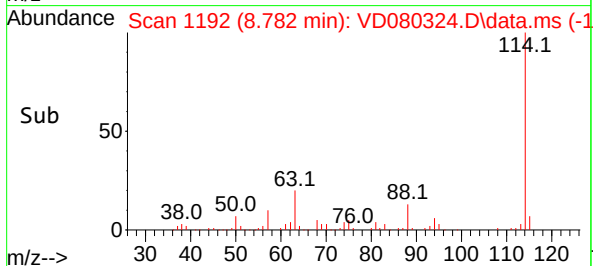
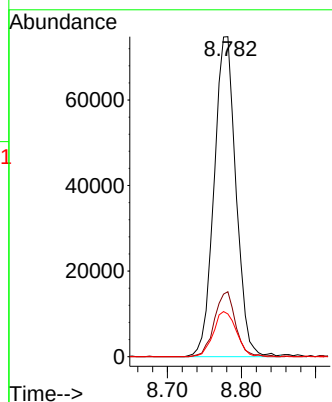
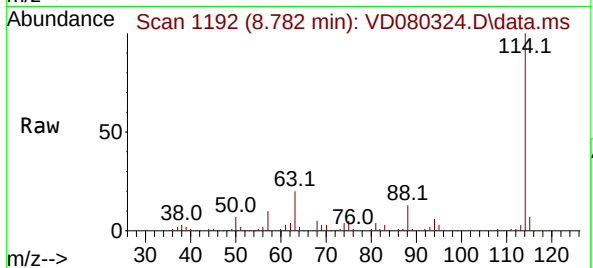
Tgt Ion:114 Resp: 153411

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 13.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 65.950 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080324.D

Acq: 14 May 2025 16:03

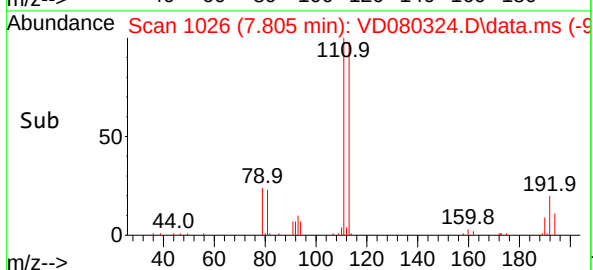
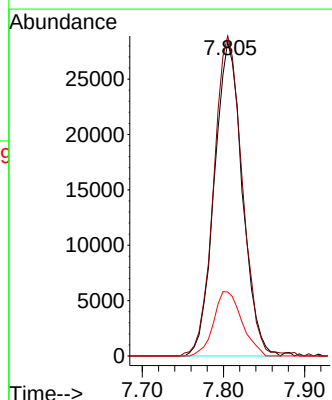
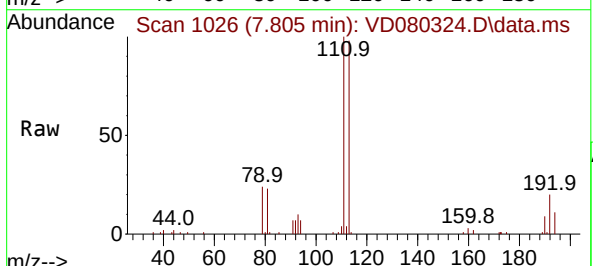
Tgt Ion:113 Resp: 67811

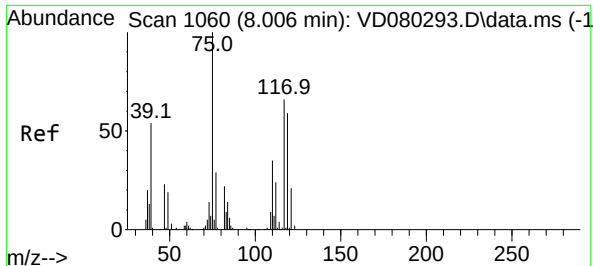
Ion Ratio Lower Upper

113 100

111 104.2 82.5 123.7

192 20.7 16.6 25.0

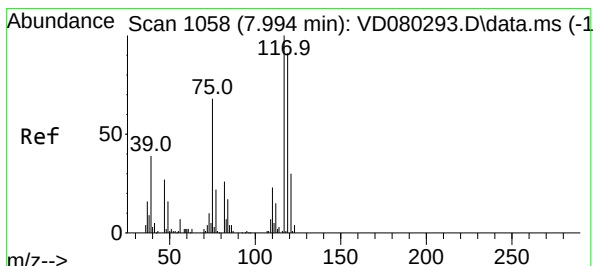
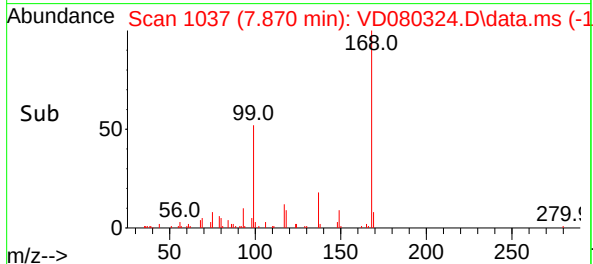
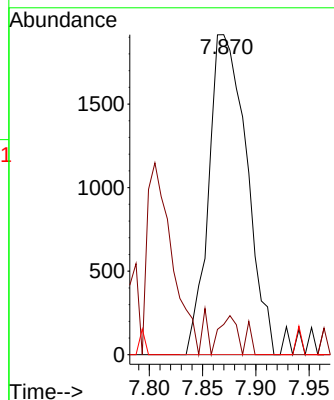
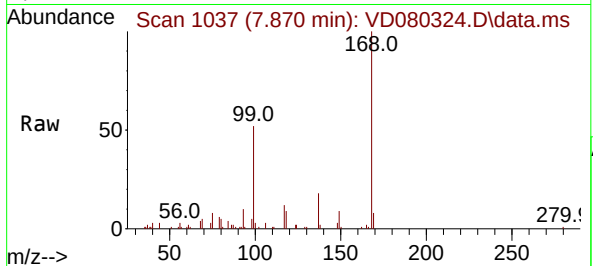




#36
 1,1-Dichloropropene
 Concen: 3.083 ug/l
 RT: 7.870 min Scan# 1037
 Delta R.T. -0.135 min
 Lab File: VD080324.D
 Acq: 14 May 2025 16:03

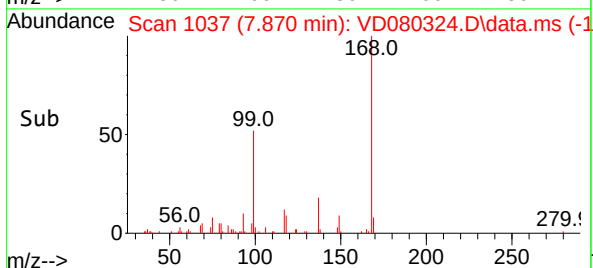
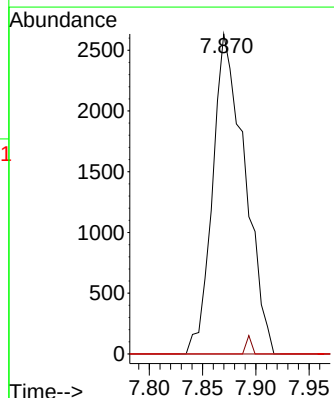
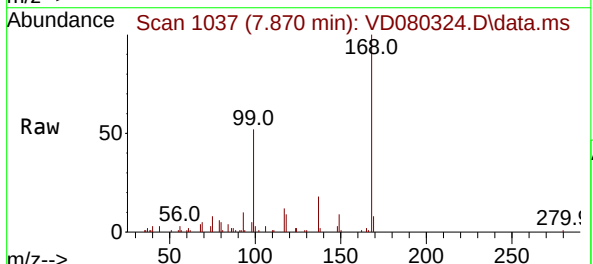
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

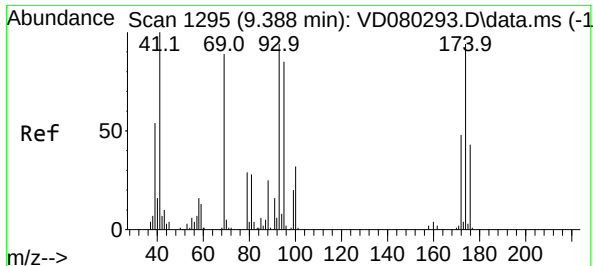
Tgt Ion: 75 Resp: 4738
 Ion Ratio Lower Upper
 75 100
 110 7.0 18.4 55.0#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 3.457 ug/l
 RT: 7.870 min Scan# 1037
 Delta R.T. -0.117 min
 Lab File: VD080324.D
 Acq: 14 May 2025 16:03

Tgt Ion: 117 Resp: 5541
 Ion Ratio Lower Upper
 117 100
 119 0.0 73.4 110.0#
 121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 7.131 ug/l

RT: 9.664 min Scan# 11

Delta R.T. 0.277 min

Lab File: VD080324.D

Acq: 14 May 2025 16:03

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

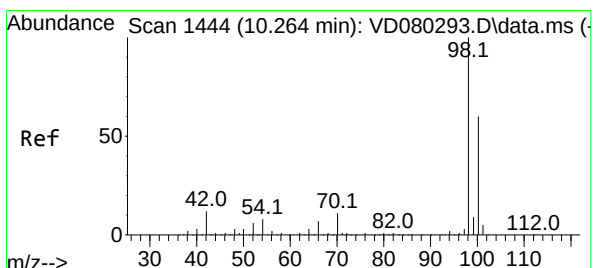
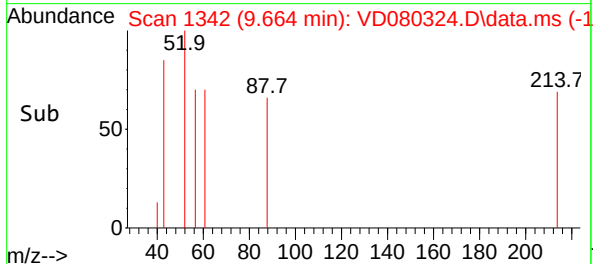
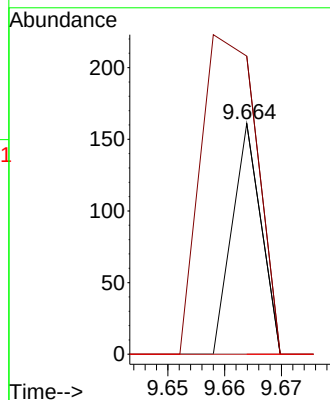
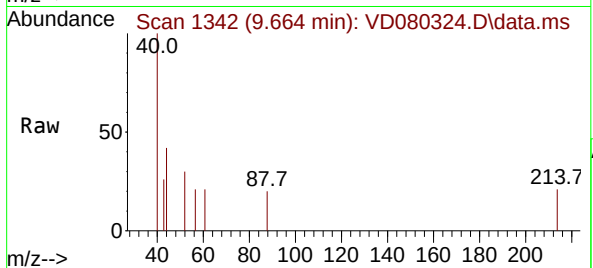
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 266.7 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 51.543 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080324.D

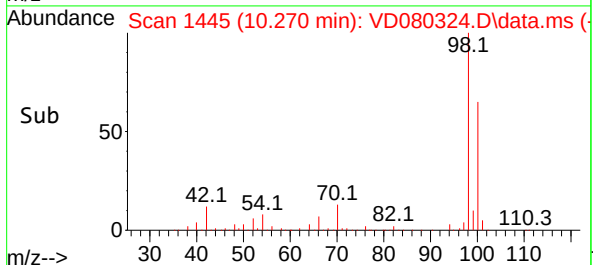
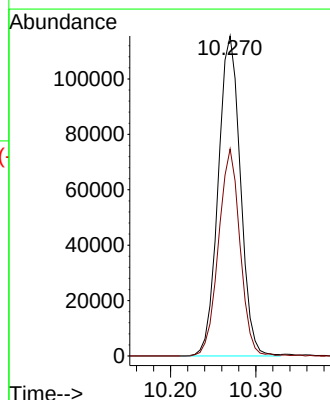
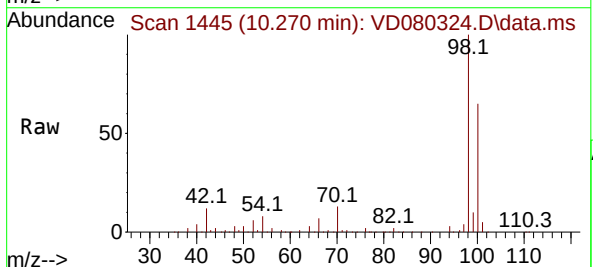
Acq: 14 May 2025 16:03

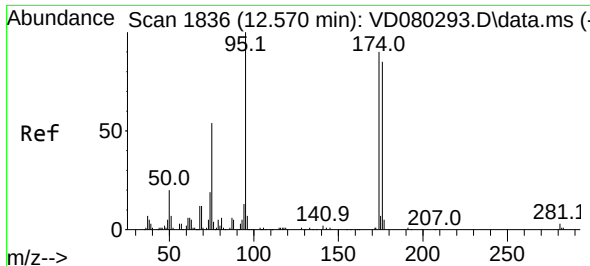
Tgt Ion: 98 Resp: 208816

Ion Ratio Lower Upper

98 100

100 62.7 50.2 75.4

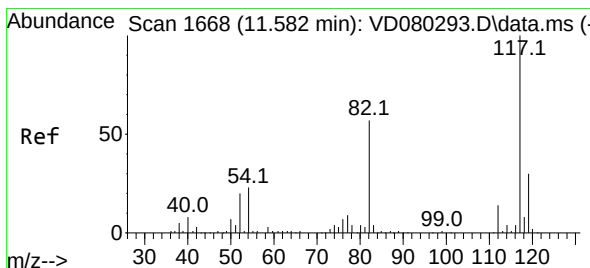
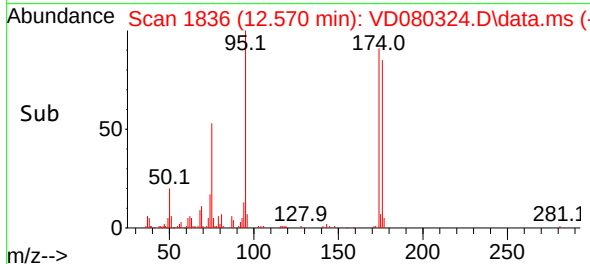
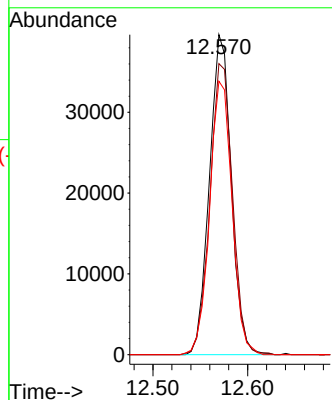
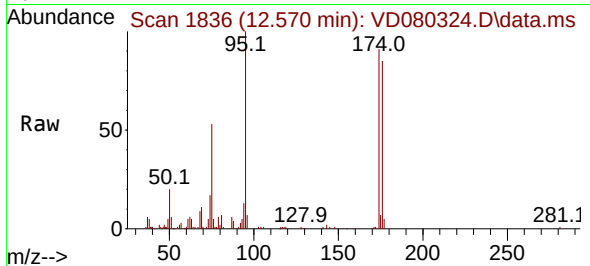




#62
4-Bromofluorobenzene
Concen: 48.796 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

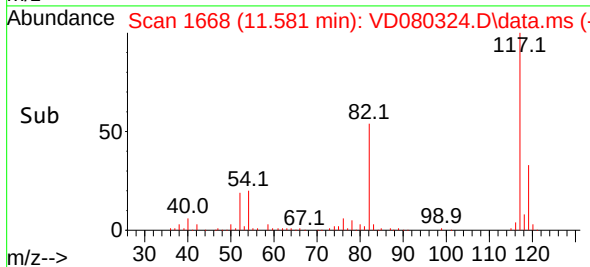
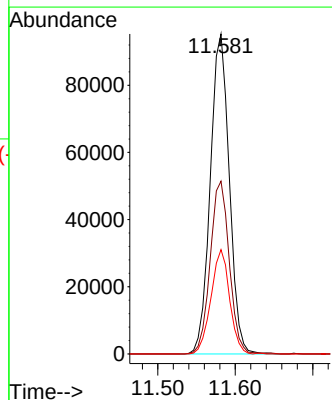
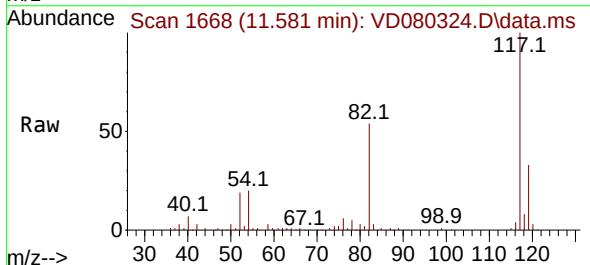
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

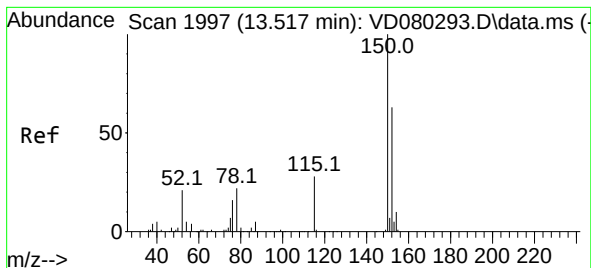
Tgt Ion: 95 Resp: 63451
Ion Ratio Lower Upper
95 100
174 94.2 0.0 173.4
176 87.7 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

Tgt Ion: 117 Resp: 162696
Ion Ratio Lower Upper
117 100
82 54.0 45.8 68.6
119 32.6 26.2 39.2

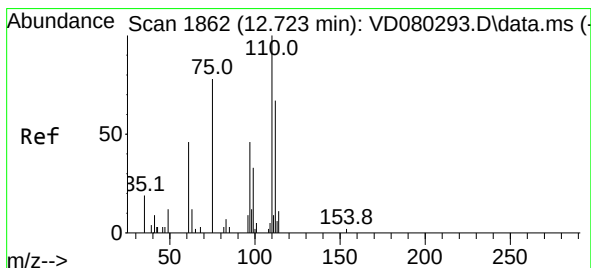
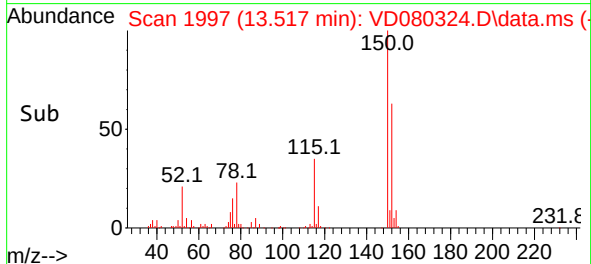
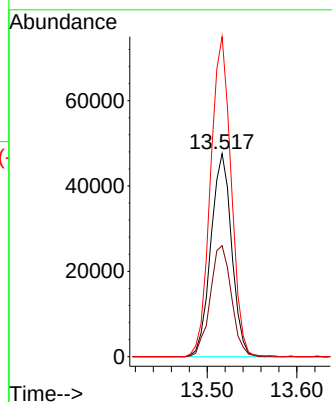
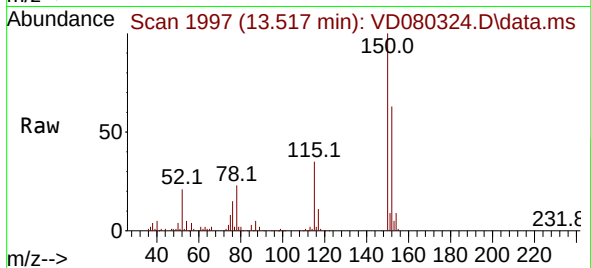




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

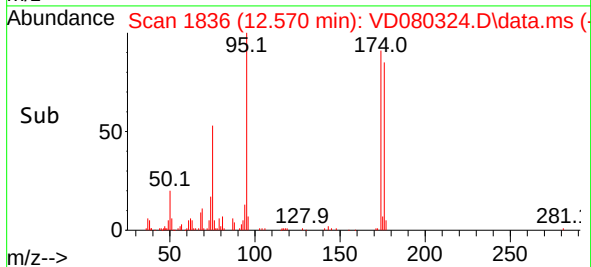
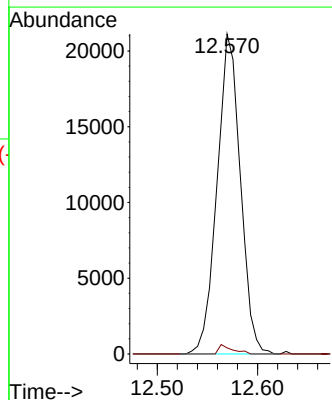
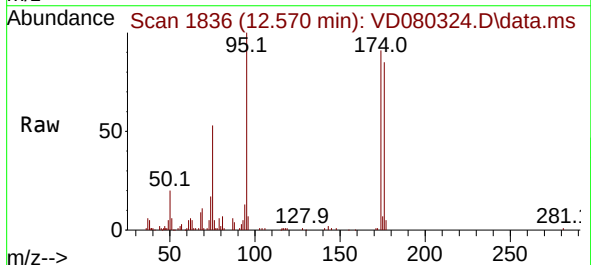
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

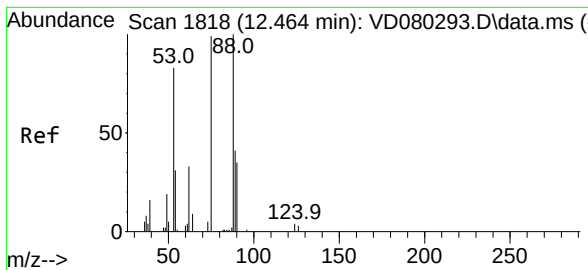
Tgt Ion:152 Resp: 76503
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.8
150 156.3 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 46.173 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.152 min
Lab File: VD080324.D
Acq: 14 May 2025 16:03

Tgt Ion: 75 Resp: 34092
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.644 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080324.D
 Acq: 14 May 2025 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Tgt Ion: 75 Resp: 34092
 Ion Ratio Lower Upper
 75 100
 53 1.0 68.7 103.1#
 89 0.3 36.1 54.1#

