

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080308.D
 Acq On : 13 May 2025 18:17
 Operator : RP/MD
 Sample : Q2004-01
 Misc : 3.61G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-220

Quant Time: May 14 01:35:04 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)

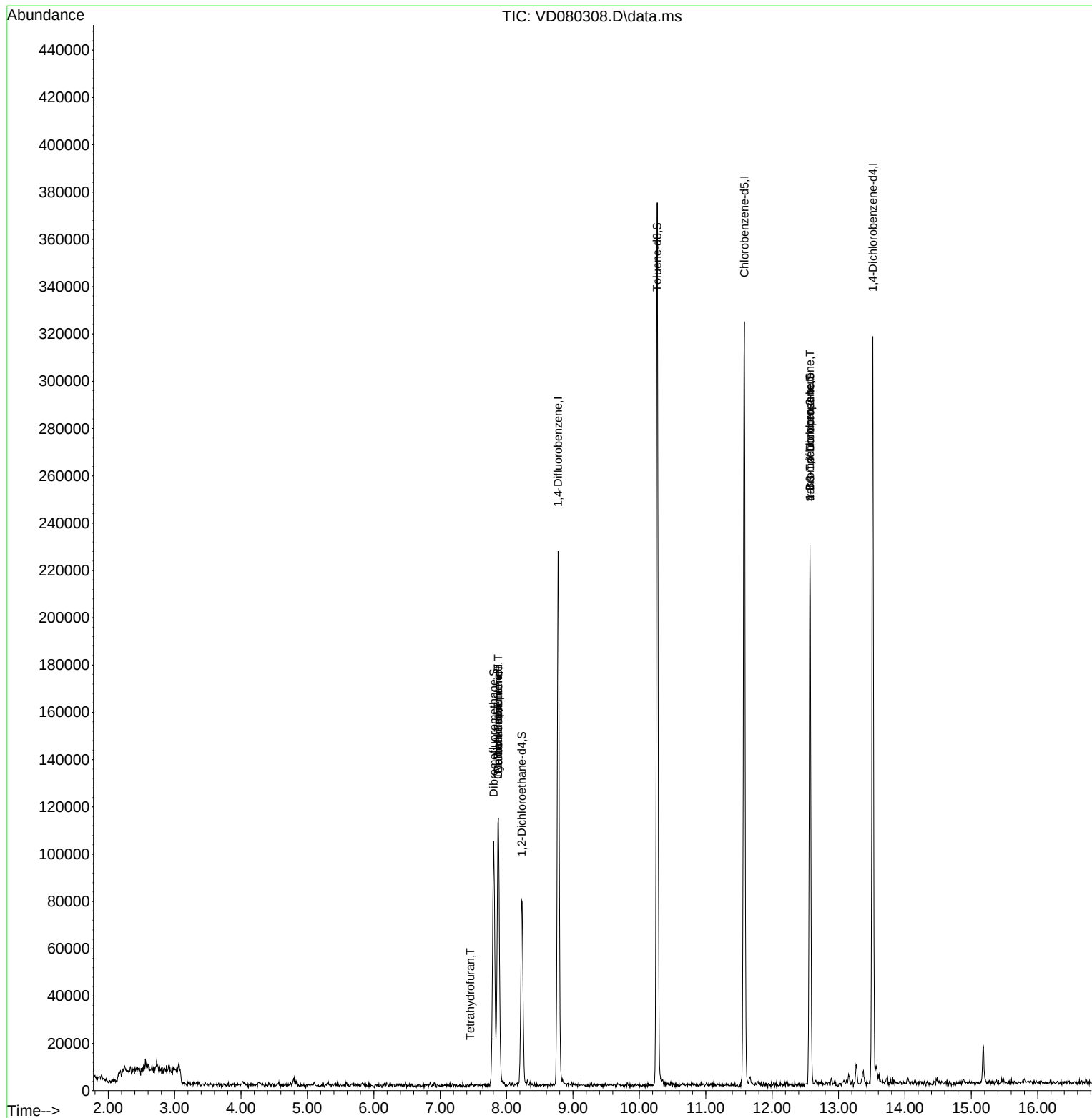
Internal Standards						
1) Pentafluorobenzene	7.876	168	87100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	193011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	182688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	85041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	63528	56.402	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.800%	
35) Dibromofluoromethane	7.805	113	71876	55.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.120%	
50) Toluene-d8	10.270	98	251204	49.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	12.570	95	69572	42.526	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.060%	
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	168	Below Cal	#	43
3) Chloromethane	2.153	50	872	Below Cal	#	81
16) Acetone	4.029	43	2802	Below Cal		95
20) Methylene Chloride	4.806	84	1577	Below Cal	#	70
29) Tetrahydrofuran	7.453	42	263	1.302	ug/l #	32
31) Cyclohexane	7.870	56	2249	1.229	ug/l #	1
36) 1,1-Dichloropropene	7.870	75	6950	3.595	ug/l #	47
38) Carbon Tetrachloride	7.876	117	8586	4.258	ug/l #	17
76) 1,2,3-Trichloropropane	12.570	75	36465	44.428	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	36465	84.333	ug/l #	15

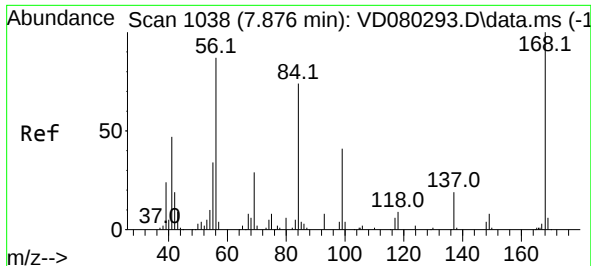
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 01:35:04 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

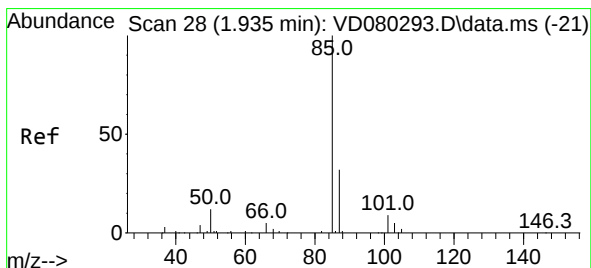
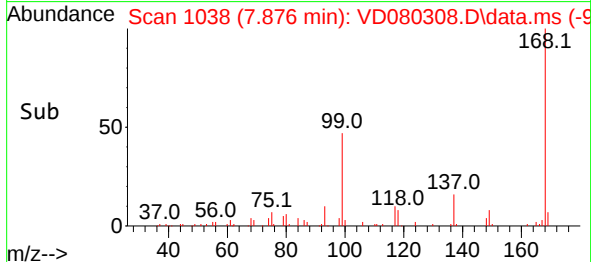
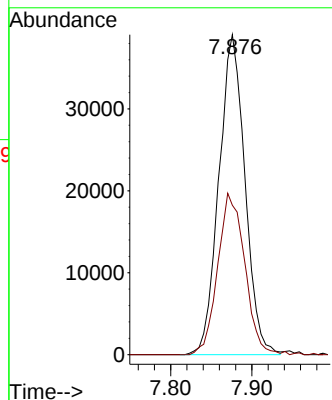
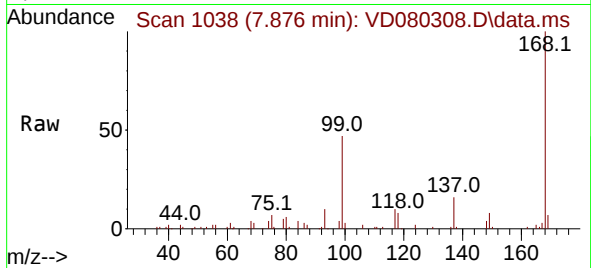




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

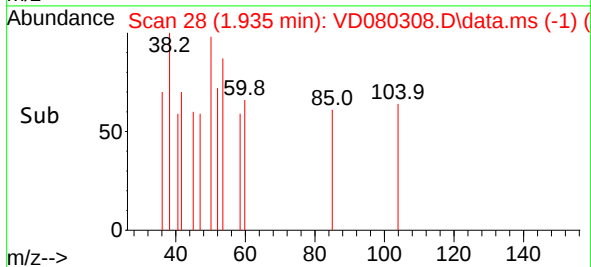
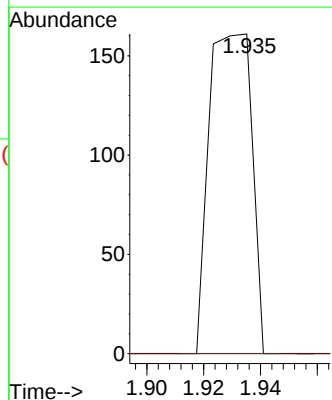
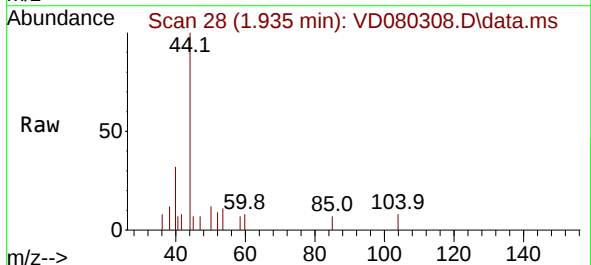
Instrument :
MSVOA_D
ClientSampleId :
VNJ-220

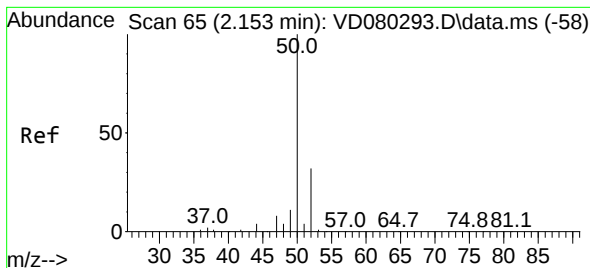
Tgt Ion:168 Resp: 87100
Ion Ratio Lower Upper
168 100
99 46.7 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.935 min Scan# 28
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Tgt Ion: 85 Resp: 168
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: VD080308.D

Acq: 13 May 2025 18:17

Instrument :

MSVOA_D

ClientSampleId :

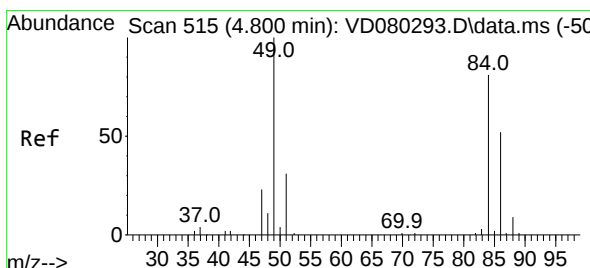
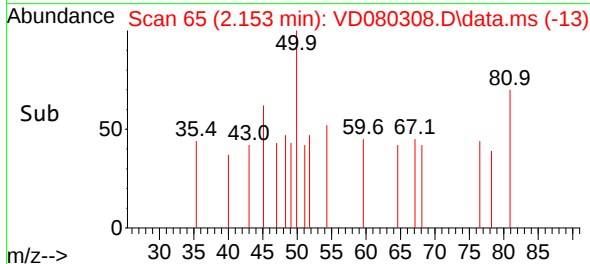
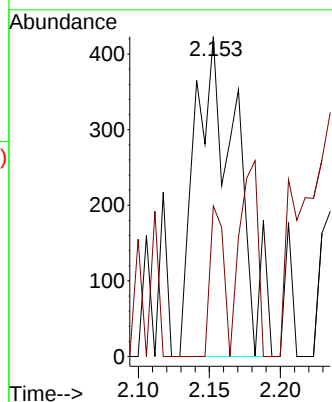
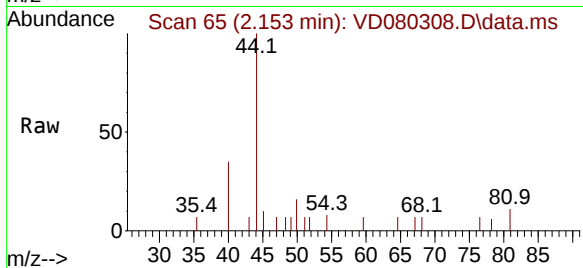
VNJ-220

Tgt Ion: 50 Resp: 872

Ion Ratio Lower Upper

50 100

52 47.0 28.8 43.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.806 min Scan# 516

Delta R.T. 0.001 min

Lab File: VD080308.D

Acq: 13 May 2025 18:17

Tgt Ion: 84 Resp: 1577

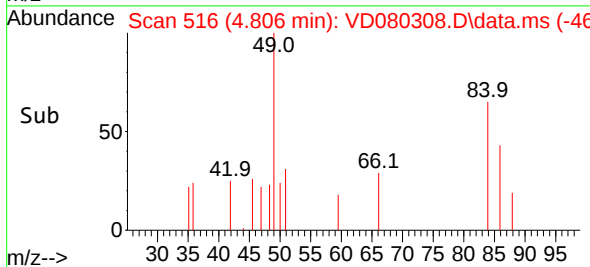
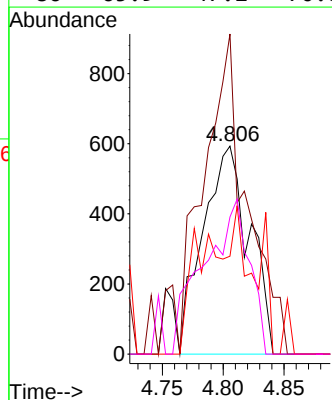
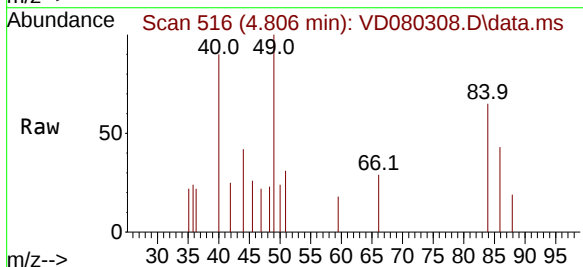
Ion Ratio Lower Upper

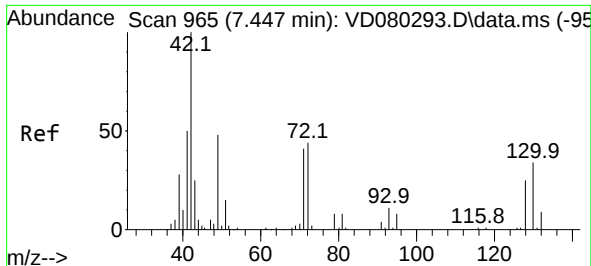
84 100

49 154.0 86.5 129.7#

51 47.0 26.9 40.3#

86 65.9 47.2 70.8





#29

Tetrahydrofuran

Concen: 1.302 ug/l

RT: 7.453 min Scan# 9

Delta R.T. 0.007 min

Lab File: VD080308.D

Acq: 13 May 2025 18:17

Instrument :

MSVOA_D

ClientSampleId :

VNJ-220

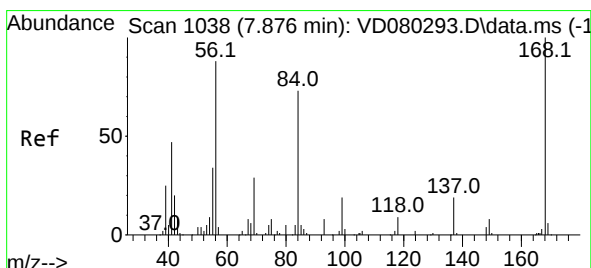
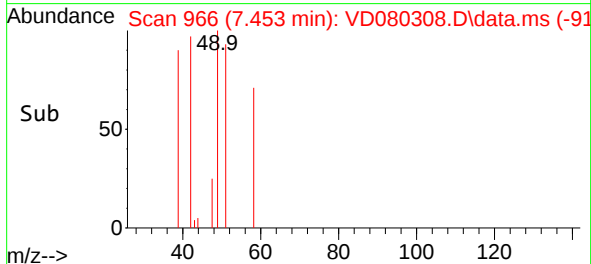
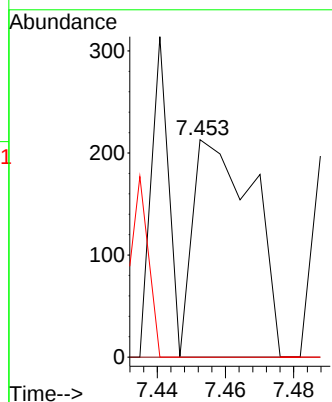
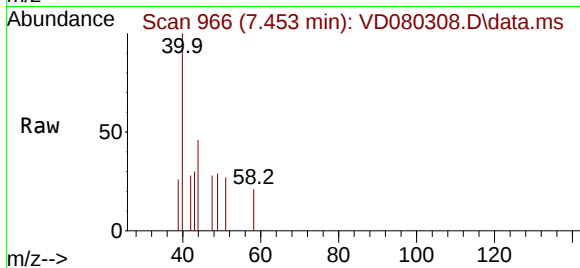
Tgt Ion: 42 Resp: 263

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.229 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.011 min

Lab File: VD080308.D

Acq: 13 May 2025 18:17

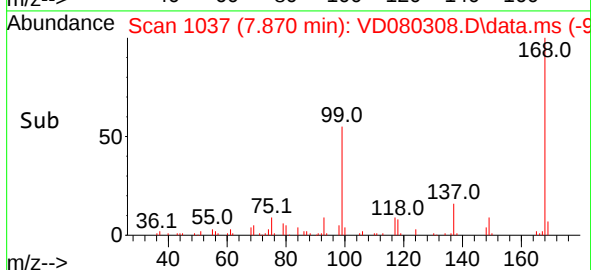
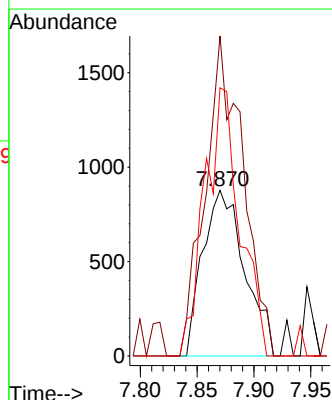
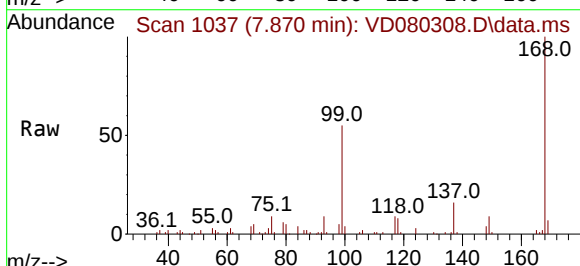
Tgt Ion: 56 Resp: 2249

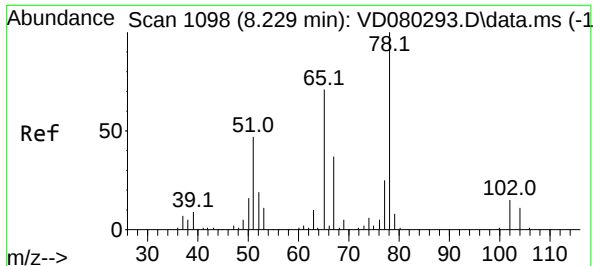
Ion Ratio Lower Upper

56 100

69 193.3 27.3 40.9#

84 161.9 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 56.402 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.001 min

Lab File: VD080308.D

Acq: 13 May 2025 18:17

Instrument :

MSVOA_D

ClientSampleId :

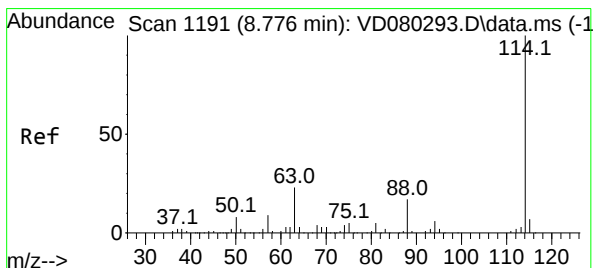
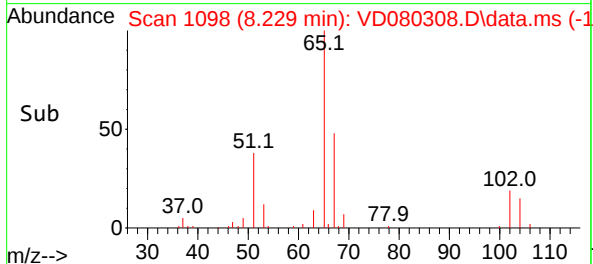
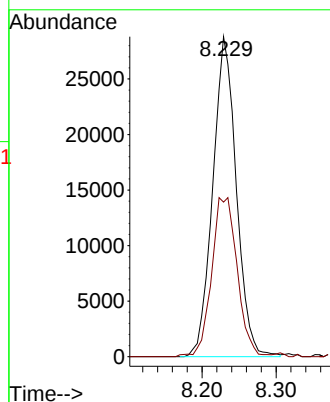
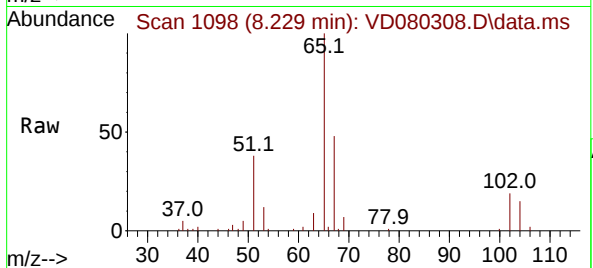
VNJ-220

Tgt Ion: 65 Resp: 63528

Ion Ratio Lower Upper

65 100

67 54.0 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: VD080308.D

Acq: 13 May 2025 18:17

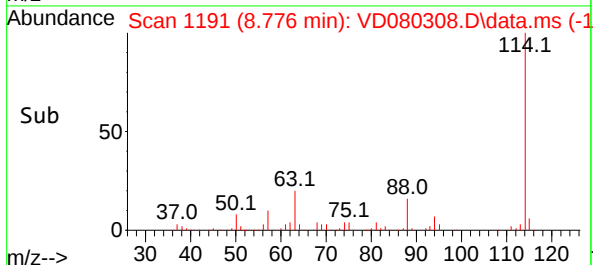
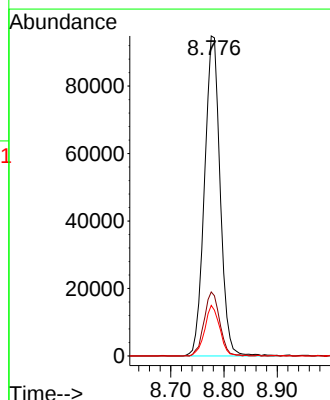
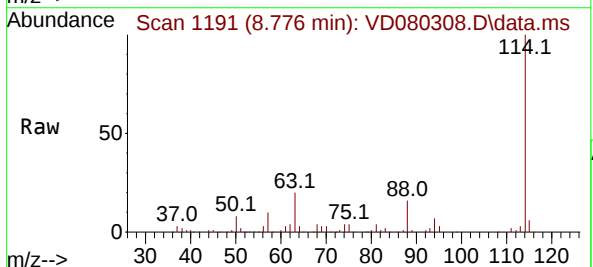
Tgt Ion: 114 Resp: 193011

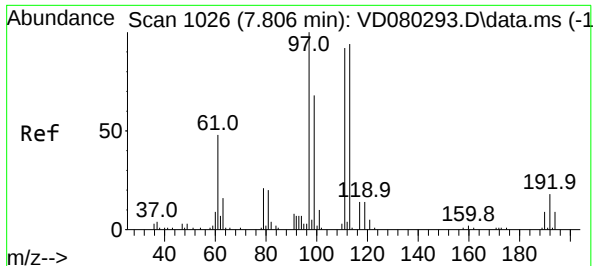
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.561 ug/l

RT: 7.805 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VD080308.D

Acq: 13 May 2025 18:17

Instrument :

MSVOA_D

ClientSampleId :

VNJ-220

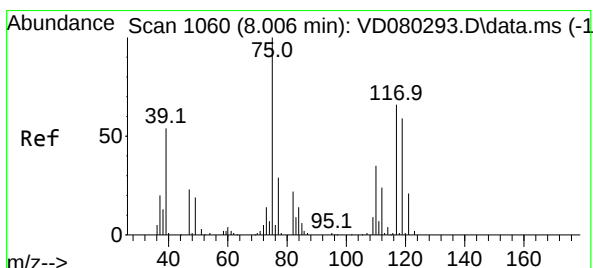
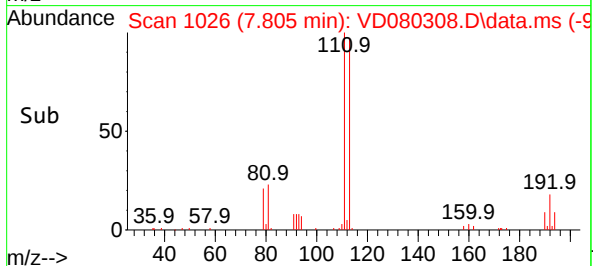
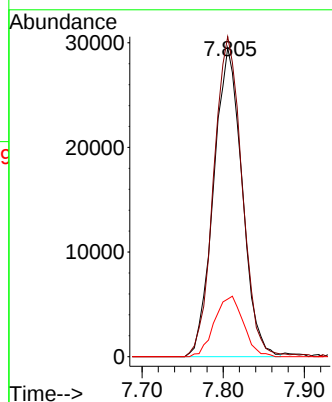
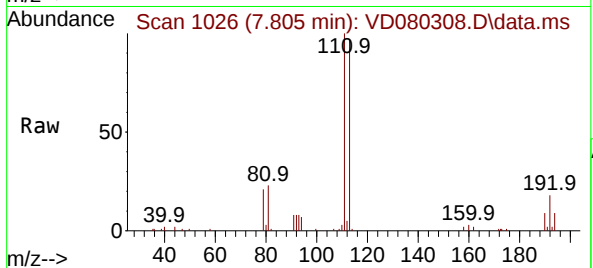
Tgt Ion:113 Resp: 71876

Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 19.9 16.6 25.0



#36

1,1-Dichloropropene

Concen: 3.595 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.135 min

Lab File: VD080308.D

Acq: 13 May 2025 18:17

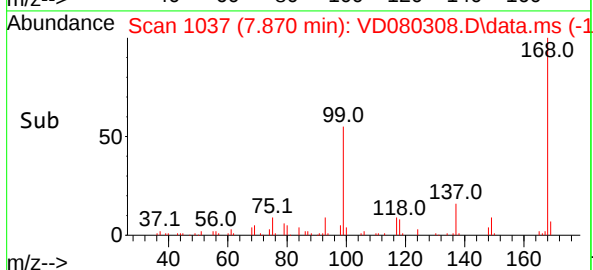
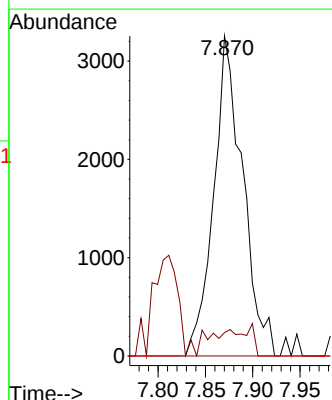
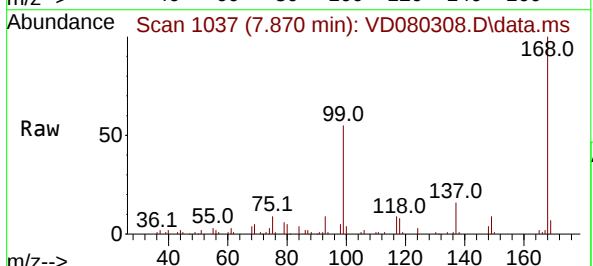
Tgt Ion: 75 Resp: 6950

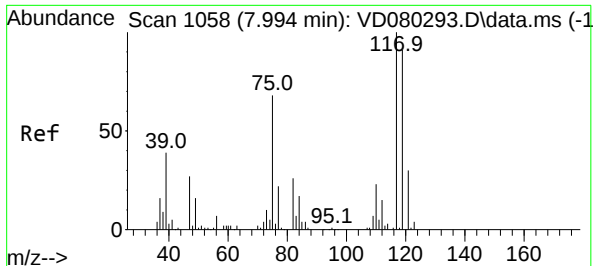
Ion Ratio Lower Upper

75 100

110 7.9 18.4 55.0#

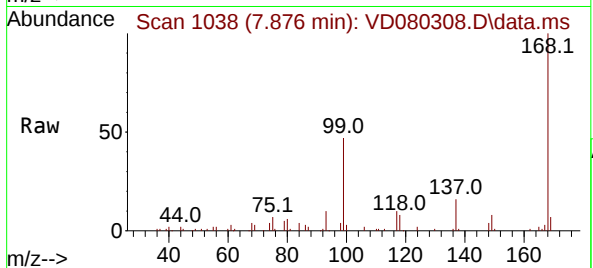
77 0.0 25.6 38.4#



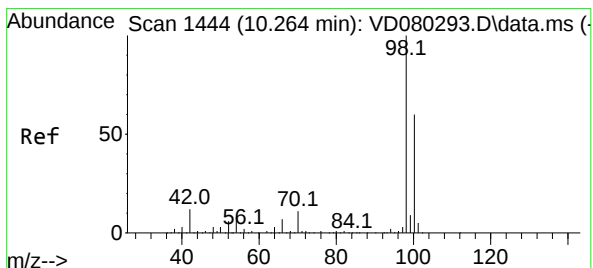
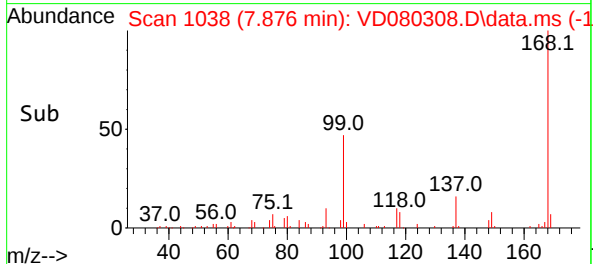
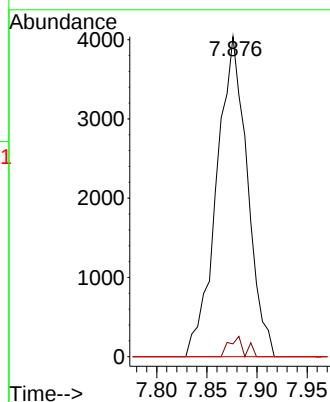


#38
Carbon Tetrachloride
Concen: 4.258 ug/l
RT: 7.876 min Scan# 1058
Delta R.T. -0.111 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Instrument :
MSVOA_D
ClientSampleId :
VNJ-220

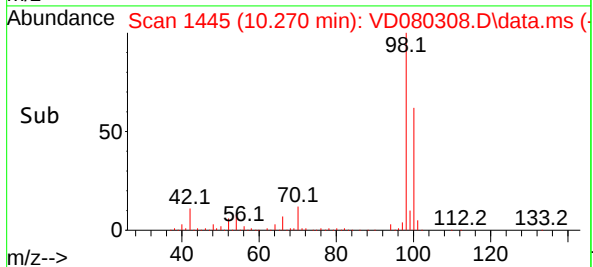
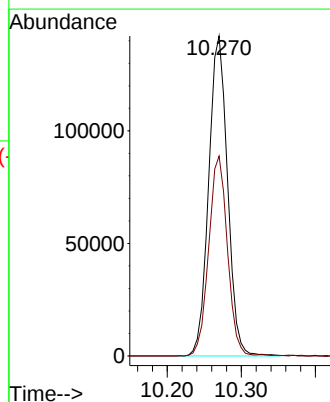
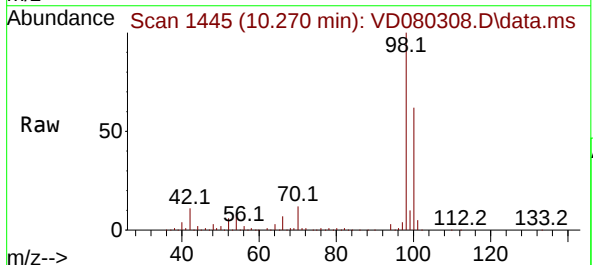


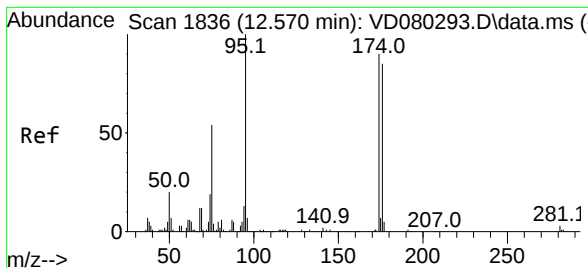
Tgt Ion:117 Resp: 8586
Ion Ratio Lower Upper
117 100
119 4.0 73.4 110.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.284 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Tgt Ion: 98 Resp: 251204
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.4

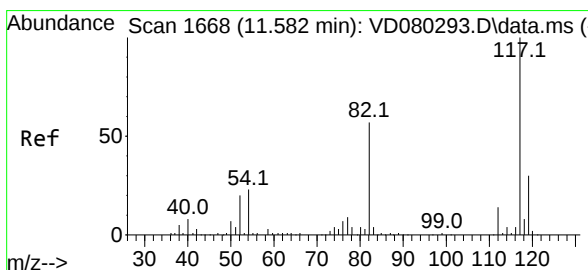
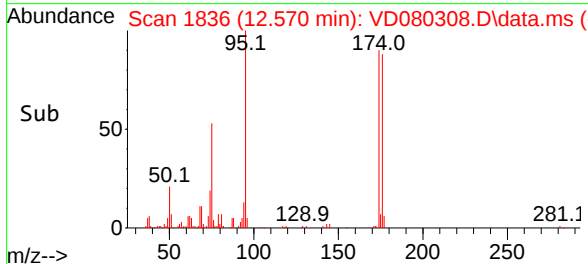
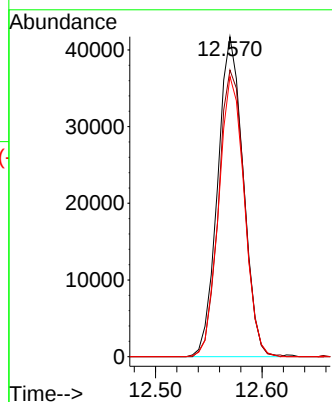
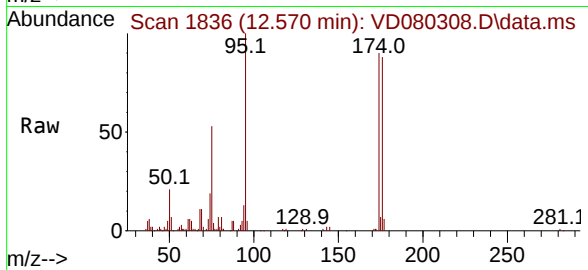




#62
4-Bromofluorobenzene
Concen: 42.526 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

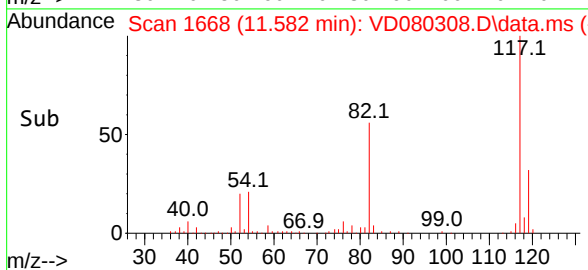
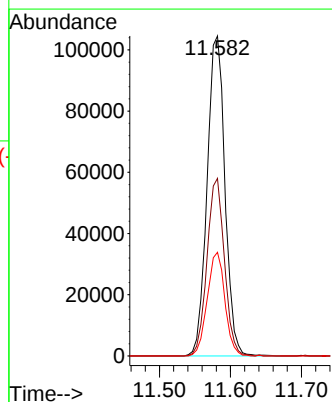
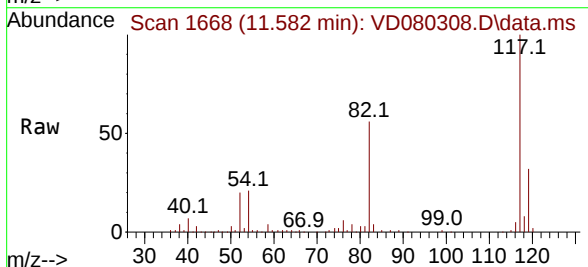
Instrument :
MSVOA_D
ClientSampleId :
VNJ-220

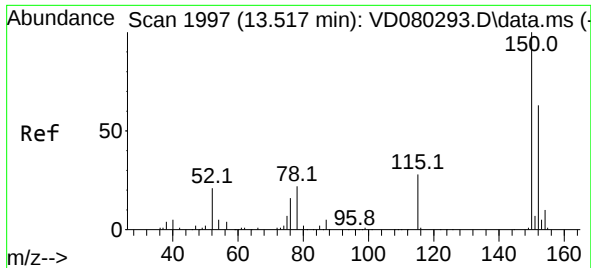
Tgt Ion: 95 Resp: 69572
Ion Ratio Lower Upper
95 100
174 90.3 0.0 173.4
176 87.5 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Tgt Ion: 117 Resp: 182688
Ion Ratio Lower Upper
117 100
82 55.5 45.8 68.6
119 32.4 26.2 39.2

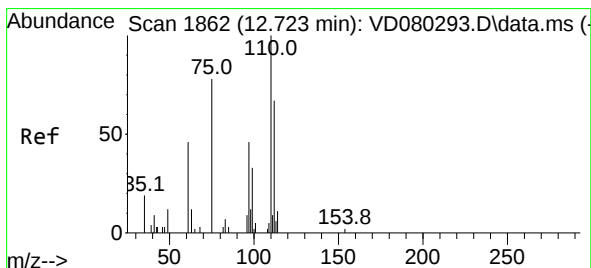
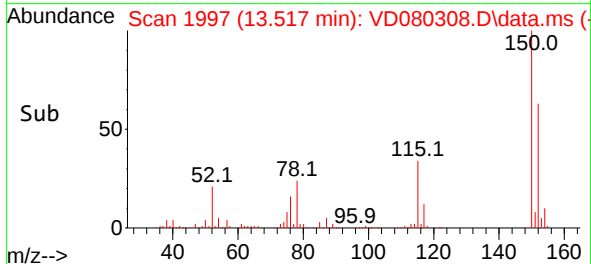
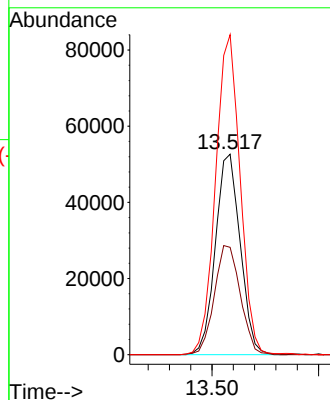
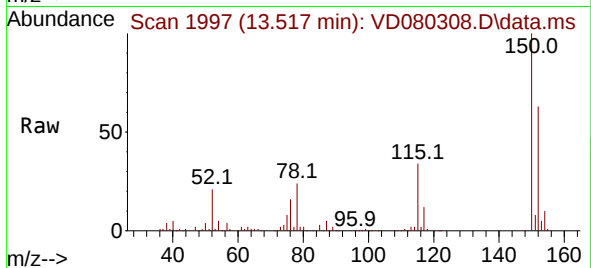




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080308.D
 Acq: 13 May 2025 18:17

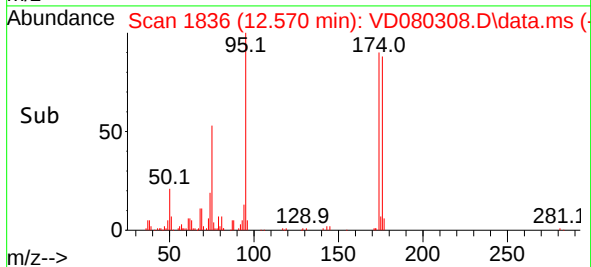
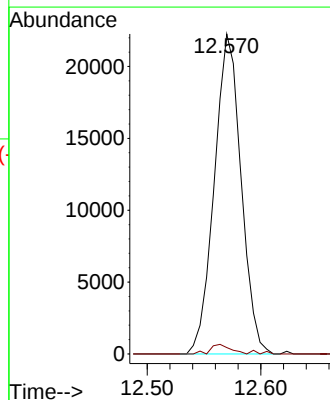
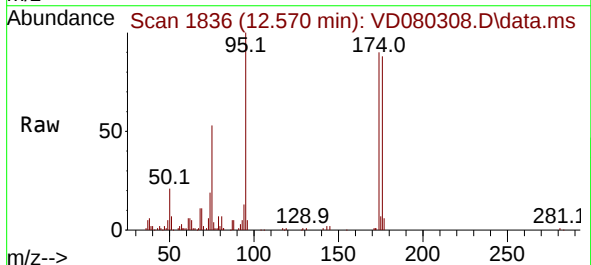
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-220

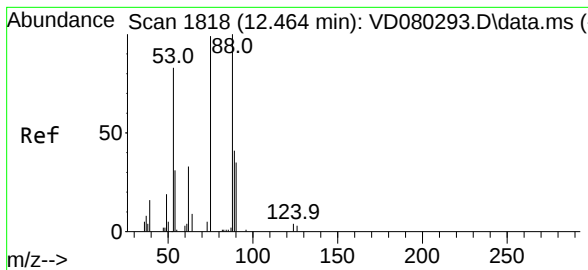
Tgt Ion:152 Resp: 85041
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.9 86.8
 150 158.2 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 44.428 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080308.D
 Acq: 13 May 2025 18:17

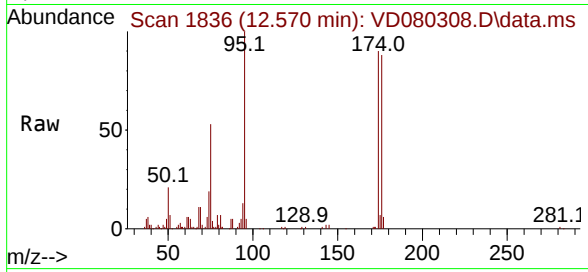
Tgt Ion: 75 Resp: 36465
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.333 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Instrument :
MSVOA_D
ClientSampleId :
VNJ-220



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	68.7	103.1#
89	0.2	36.1	54.1#

