

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080313.D
 Acq On : 13 May 2025 20:40
 Operator : RP/MD
 Sample : Q2004-11
 Misc : 6.23G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-STOCK

Quant Time: May 14 01:36:53 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)

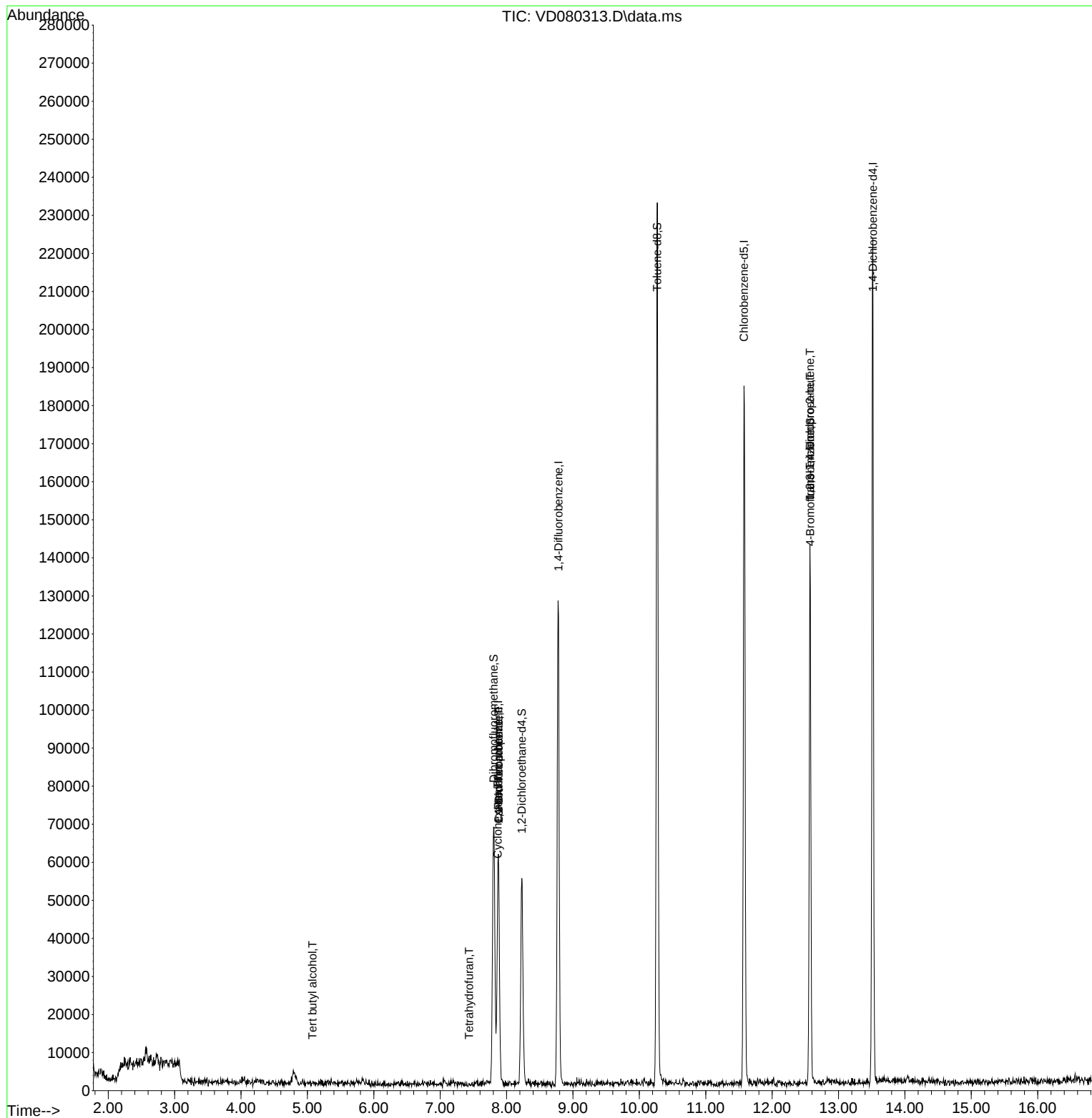
Internal Standards						
1) Pentafluorobenzene	7.876	168	47003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	106635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	106588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	60067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	44372	73.001	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.000%	
35) Dibromofluoromethane	7.805	113	50605	70.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 141.620%	
50) Toluene-d8	10.270	98	159274	56.560	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.120%	
62) 4-Bromofluorobenzene	12.576	95	42890	47.452	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.929	85	54	Below Cal	#	43
3) Chloromethane	2.147	50	169	Below Cal	#	39
11) Tert butyl alcohol	5.076	59	116	3.145	ug/l #	1
16) Acetone	4.041	43	1691	Below Cal	#	43
20) Methylene Chloride	4.788	84	2482	Below Cal	#	67
29) Tetrahydrofuran	7.435	42	111	1.018	ug/l #	32
31) Cyclohexane	7.864	56	1154	1.169	ug/l #	59
36) 1,1-Dichloropropene	7.882	75	4467	4.182	ug/l #	46
38) Carbon Tetrachloride	7.882	117	4293	3.854	ug/l #	14
76) 1,2,3-Trichloropropane	12.570	75	21640	37.328	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	21640	70.855	ug/l #	15

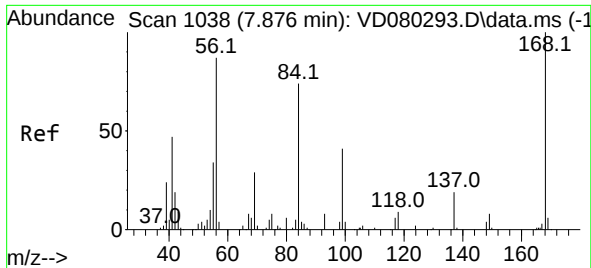
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 01:36:53 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

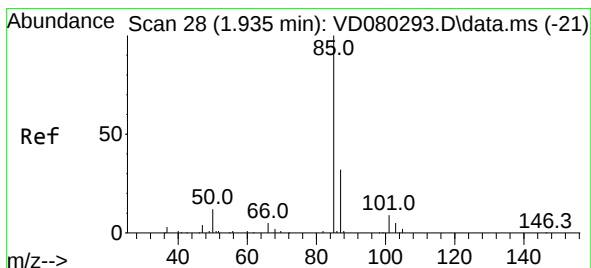
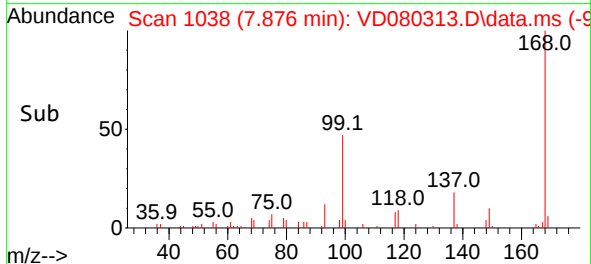
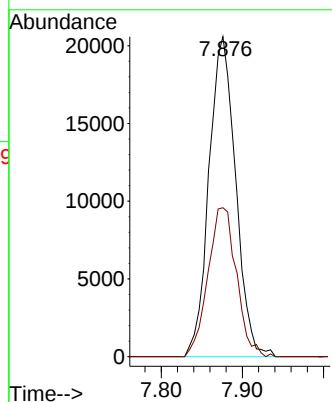
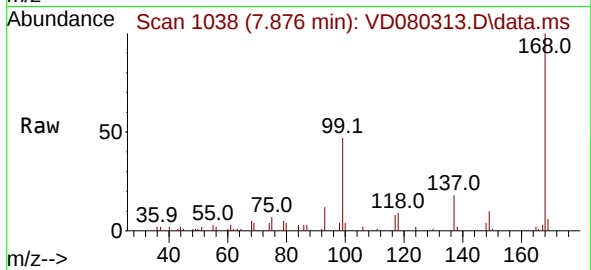




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

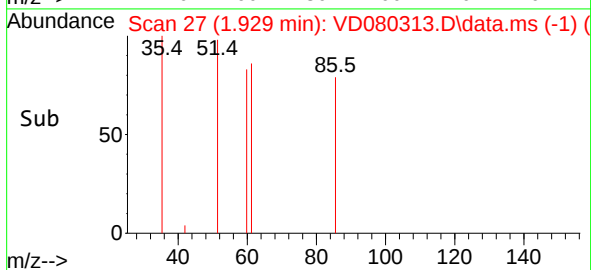
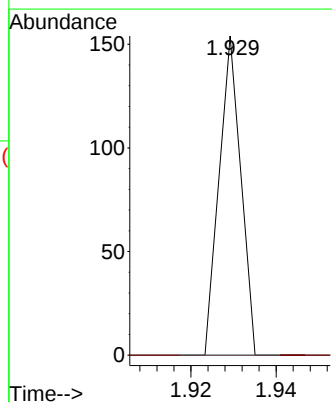
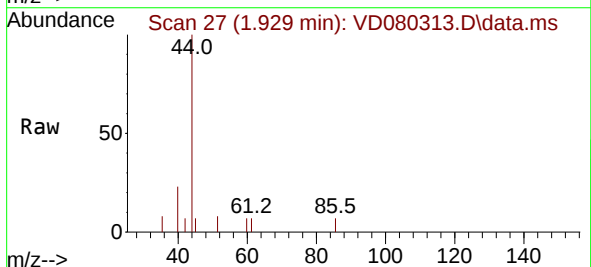
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

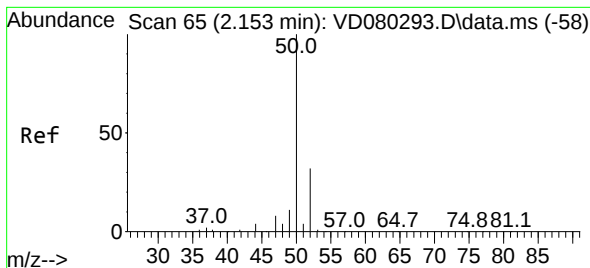
Tgt Ion:168 Resp: 47003
Ion Ratio Lower Upper
168 100
99 46.6 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.929 min Scan# 27
Delta R.T. -0.005 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#3

Chloromethane

Concen: Below Cal

RT: 2.147 min Scan# 64

Delta R.T. 0.001 min

Lab File: VD080313.D

Acq: 13 May 2025 20:40

Instrument :

MSVOA_D

ClientSampleId :

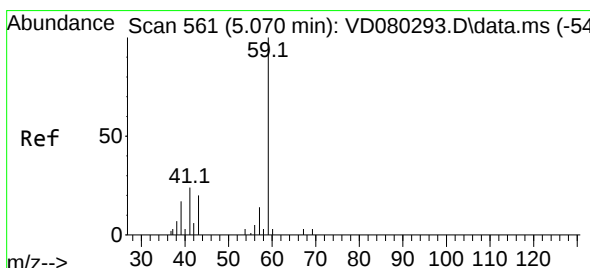
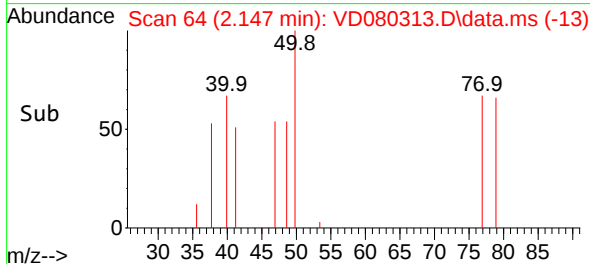
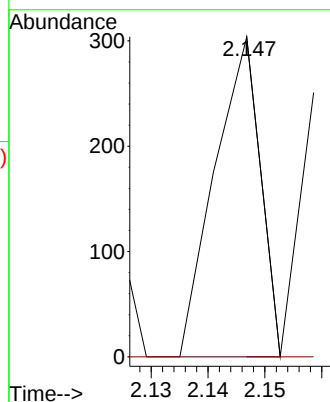
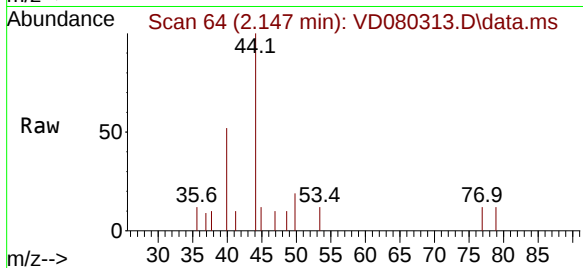
STONE-STOCK

Tgt Ion: 50 Resp: 169

Ion Ratio Lower Upper

50 100

52 0.0 28.8 43.2#



#11

Tert butyl alcohol

Concen: 3.145 ug/l

RT: 5.076 min Scan# 562

Delta R.T. 0.018 min

Lab File: VD080313.D

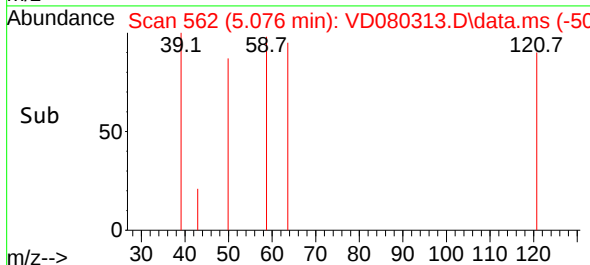
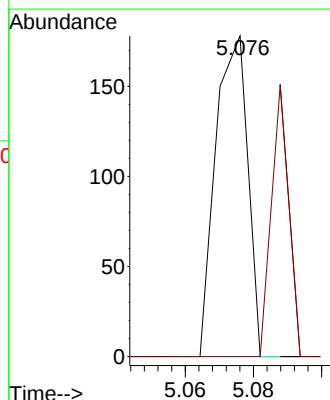
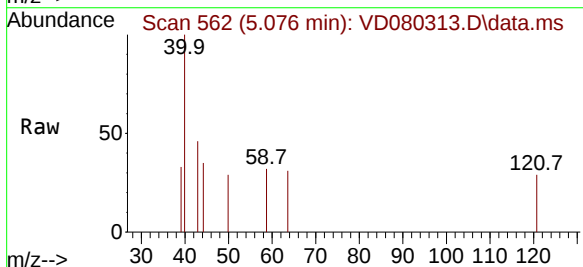
Acq: 13 May 2025 20:40

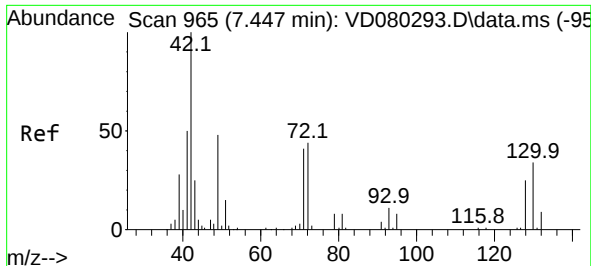
Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 45.7 4.8 7.2#





#29

Tetrahydrofuran

Concen: 1.018 ug/l

RT: 7.435 min Scan# 90

Delta R.T. -0.011 min

Lab File: VD080313.D

Acq: 13 May 2025 20:40

Instrument :

MSVOA_D

ClientSampleId :

STONE-STOCK

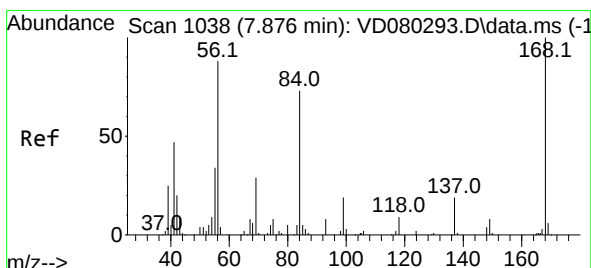
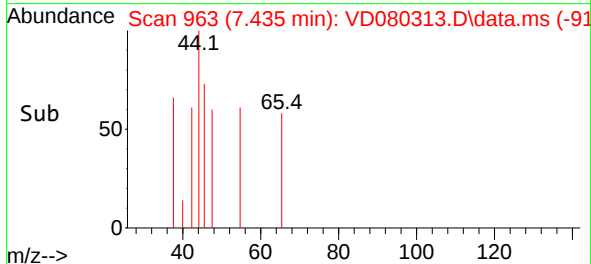
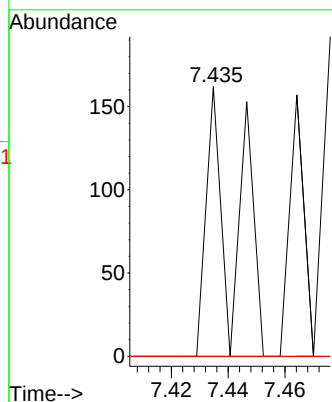
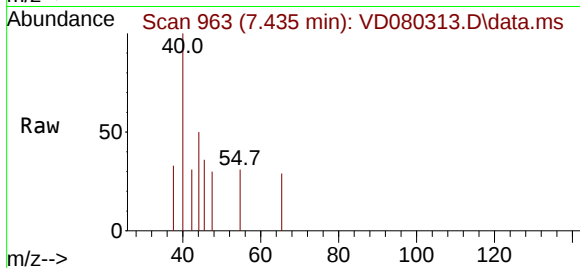
Tgt Ion: 42 Resp: 111

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.864 min Scan# 1036

Delta R.T. -0.017 min

Lab File: VD080313.D

Acq: 13 May 2025 20:40

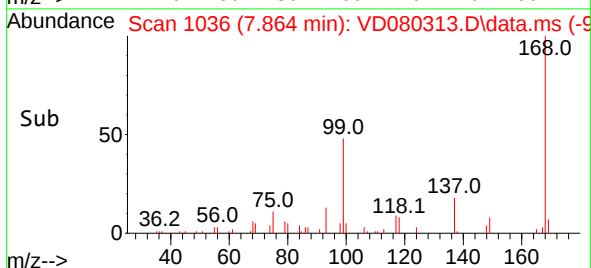
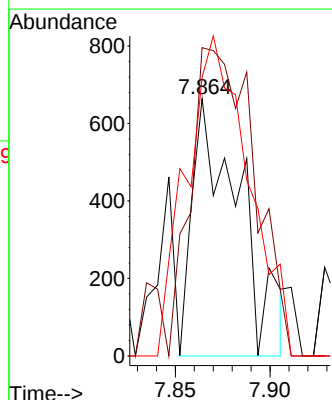
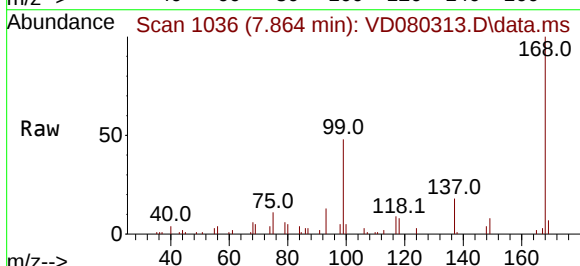
Tgt Ion: 56 Resp: 1154

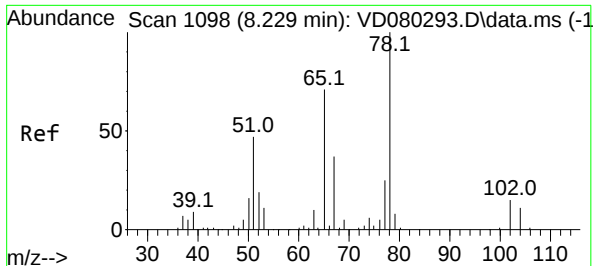
Ion Ratio Lower Upper

56 100

69 94.0 27.3 40.9#

84 72.7 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 73.001 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.001 min

Lab File: VD080313.D

Acq: 13 May 2025 20:40

Instrument :

MSVOA_D

ClientSampleId :

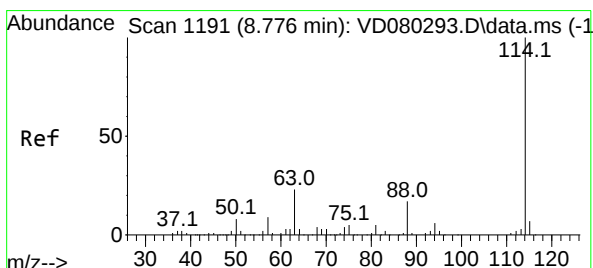
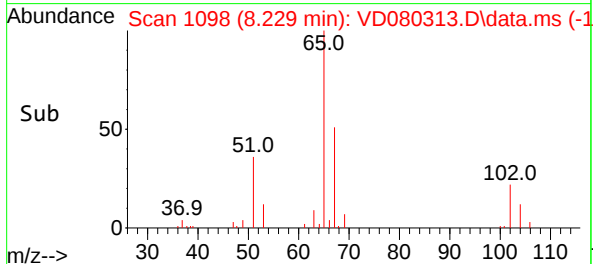
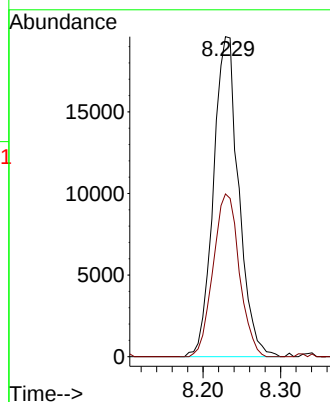
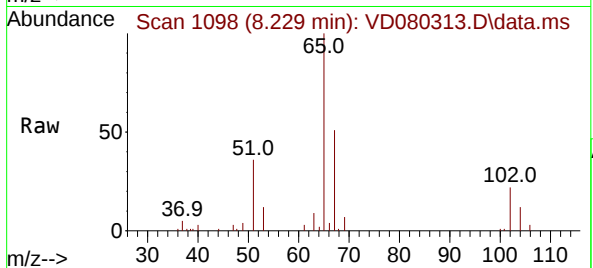
STONE-STOCK

Tgt Ion: 65 Resp: 44372

Ion Ratio Lower Upper

65 100

67 52.7 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: VD080313.D

Acq: 13 May 2025 20:40

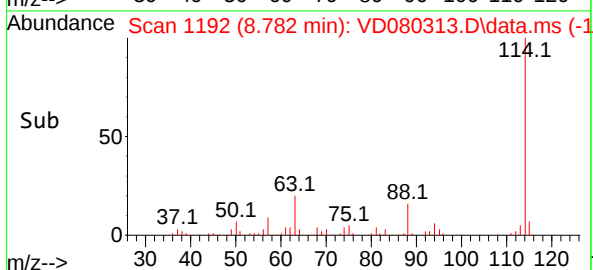
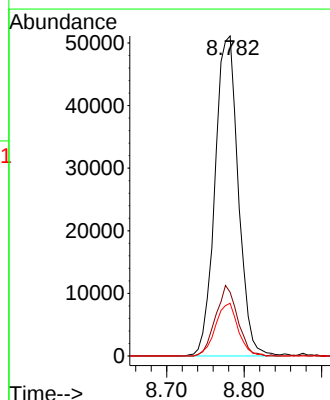
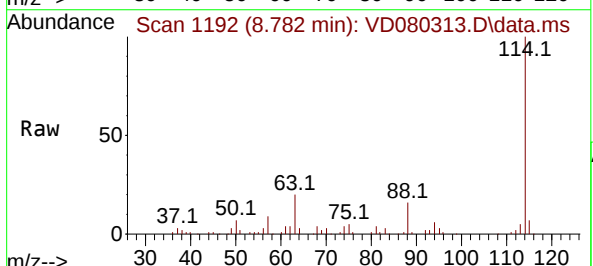
Tgt Ion: 114 Resp: 106635

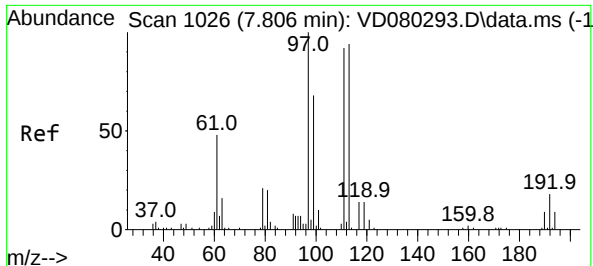
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 16.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 70.805 ug/l

RT: 7.805 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VD080313.D

Acq: 13 May 2025 20:40

Instrument :

MSVOA_D

ClientSampleId :

STONE-STOCK

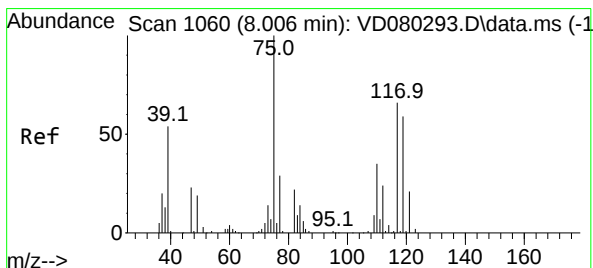
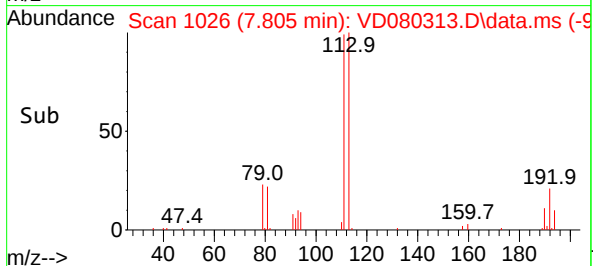
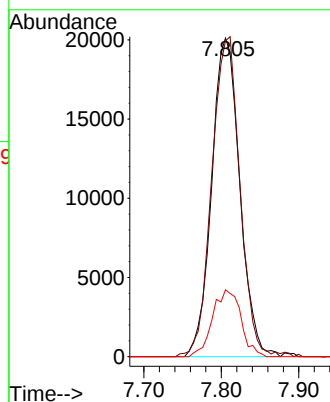
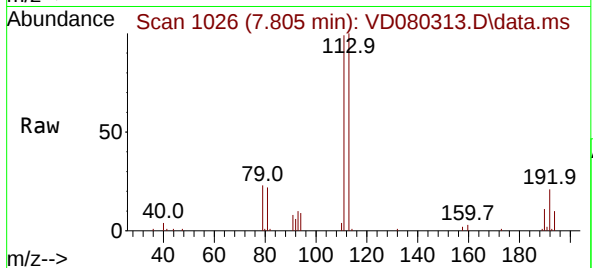
Tgt Ion:113 Resp: 50605

Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

192 21.2 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.182 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.123 min

Lab File: VD080313.D

Acq: 13 May 2025 20:40

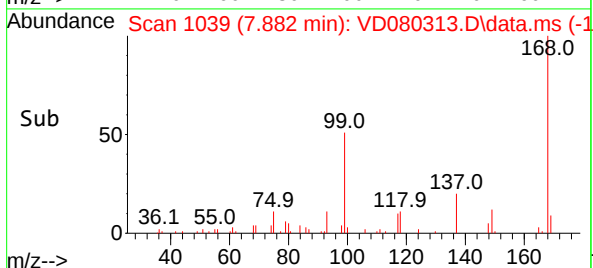
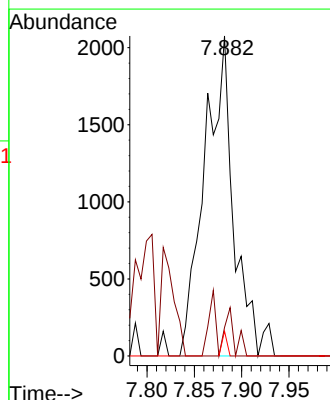
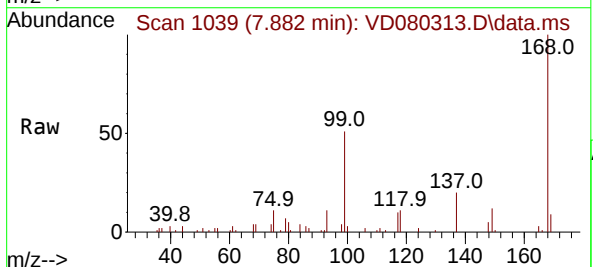
Tgt Ion: 75 Resp: 4467

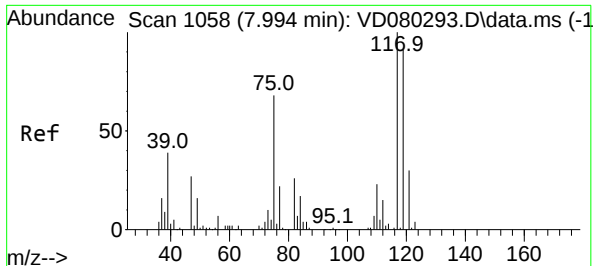
Ion Ratio Lower Upper

75 100

110 4.9 18.4 55.0#

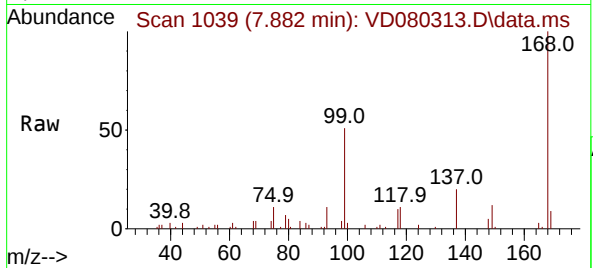
77 1.3 25.6 38.4#



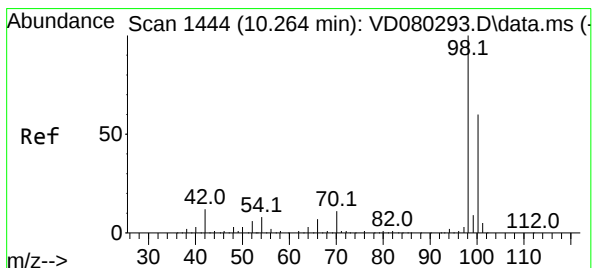
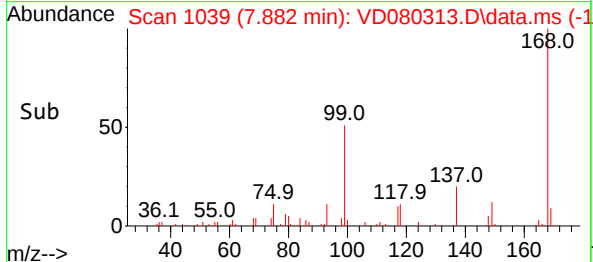
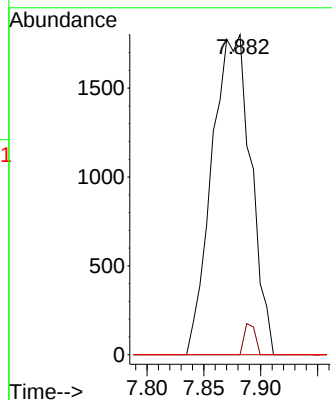


#38
Carbon Tetrachloride
Concen: 3.854 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. -0.105 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

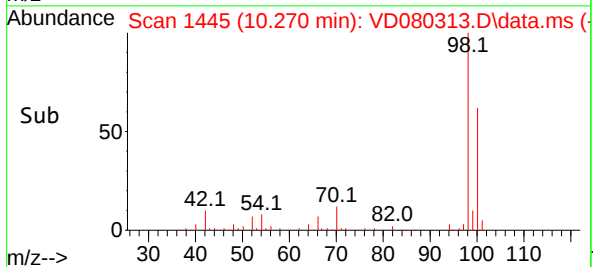
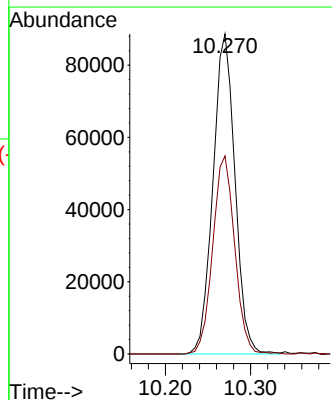
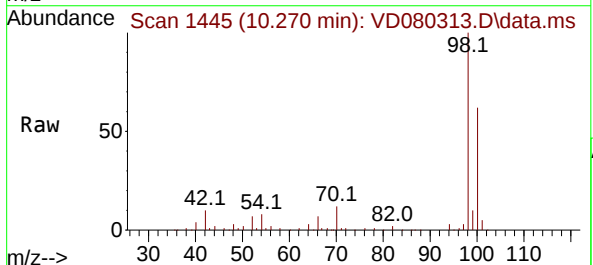


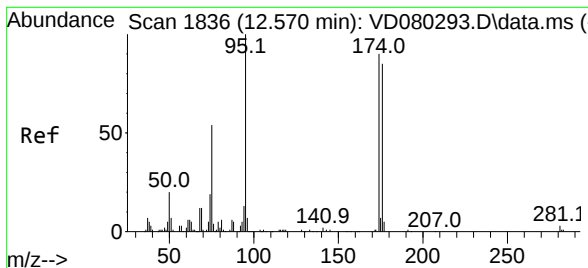
Tgt Ion:117 Resp: 4293
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 56.560 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Tgt Ion: 98 Resp: 159274
Ion Ratio Lower Upper
98 100
100 61.7 50.2 75.4

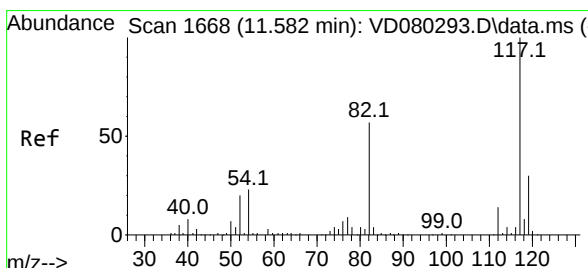
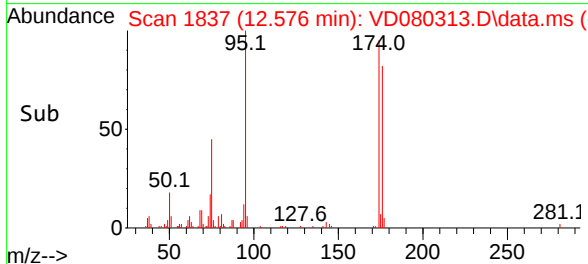
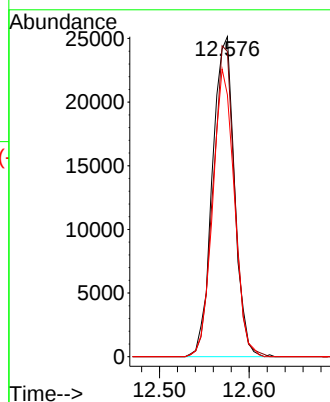
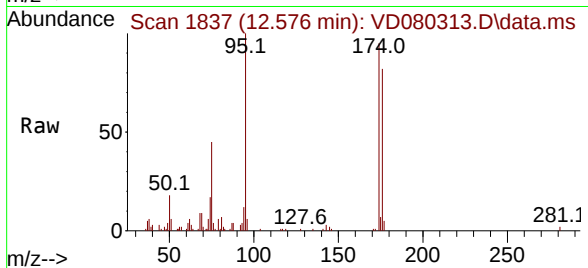




#62
4-Bromofluorobenzene
Concen: 47.452 ug/l
RT: 12.576 min Scan# 1836
Delta R.T. 0.007 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

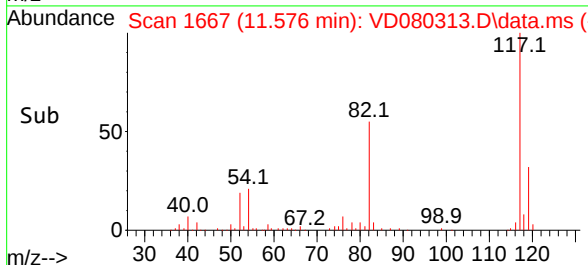
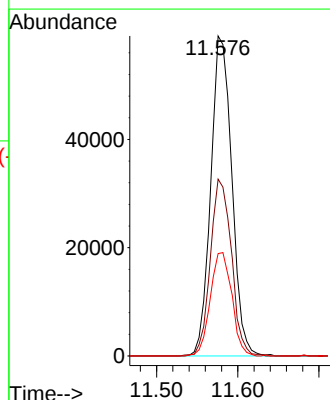
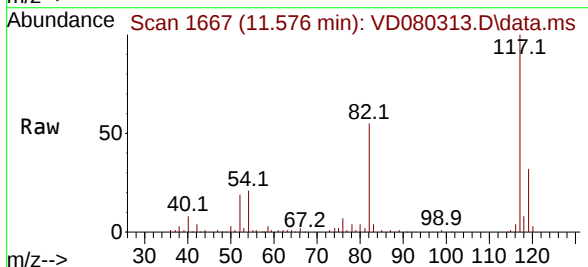
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

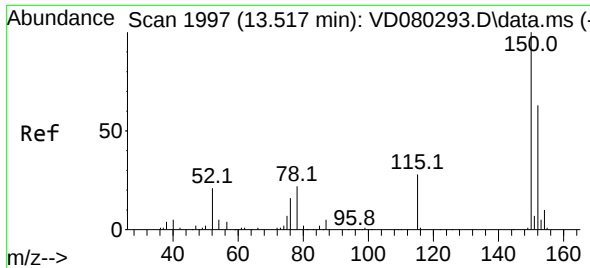
Tgt Ion: 95 Resp: 42890
Ion Ratio Lower Upper
95 100
174 94.4 0.0 173.4
176 88.0 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.576 min Scan# 1667
Delta R.T. -0.005 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Tgt Ion: 117 Resp: 106588
Ion Ratio Lower Upper
117 100
82 55.3 45.8 68.6
119 32.0 26.2 39.2

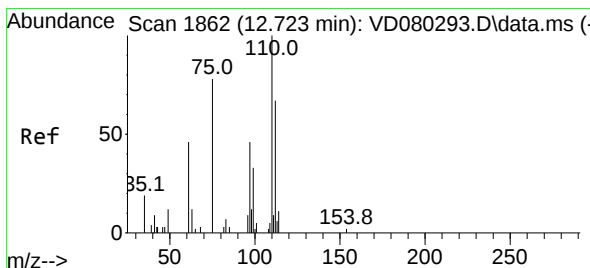
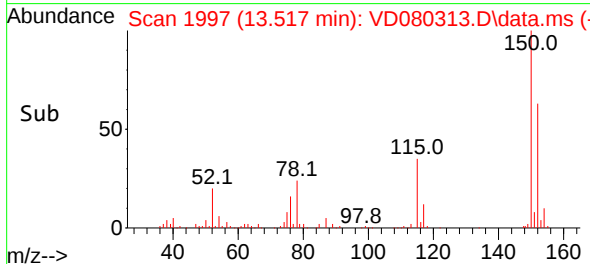
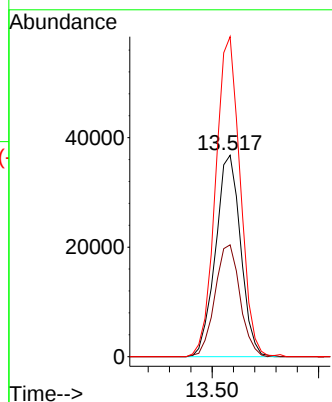
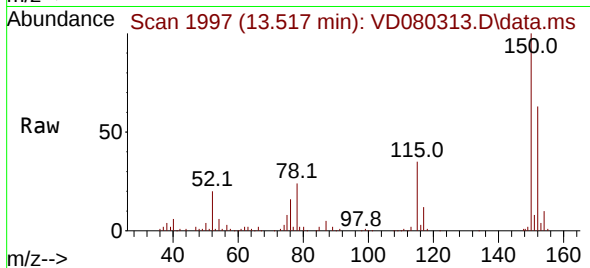




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080313.D
 Acq: 13 May 2025 20:40

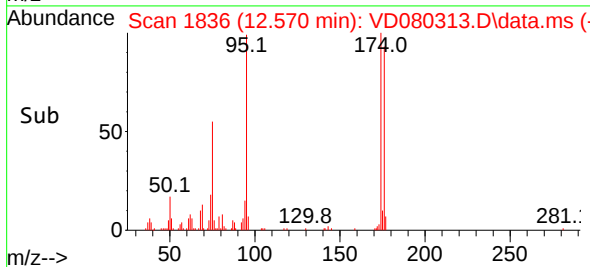
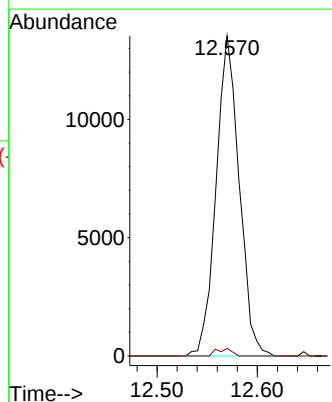
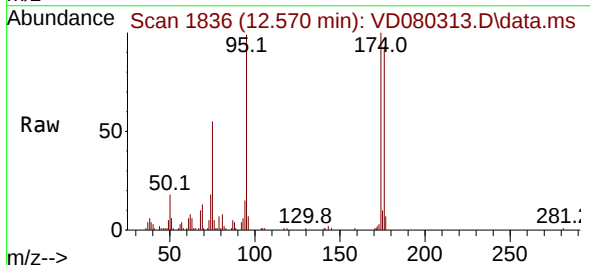
Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-STOCK

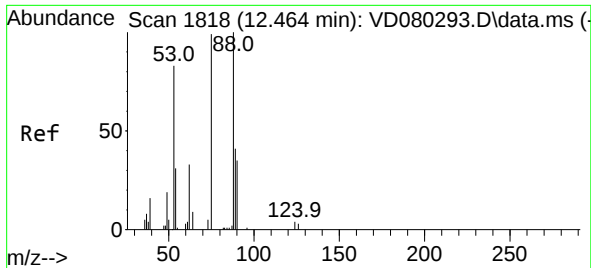
Tgt Ion:152 Resp: 60067
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.9 86.8
 150 155.7 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 37.328 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080313.D
 Acq: 13 May 2025 20:40

Tgt Ion: 75 Resp: 21640
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.855 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080313.D
 Acq: 13 May 2025 20:40

Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-STOCK

Tgt Ion: 75 Resp: 21640
 Ion Ratio Lower Upper
 75 100
 53 0.3 68.7 103.1#
 89 0.3 36.1 54.1#

