

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080331.D
 Acq On : 14 May 2025 19:17
 Operator : RP/MD
 Sample : Q2010-02
 Misc : 7.33G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

Quant Time: May 15 03:39:07 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)

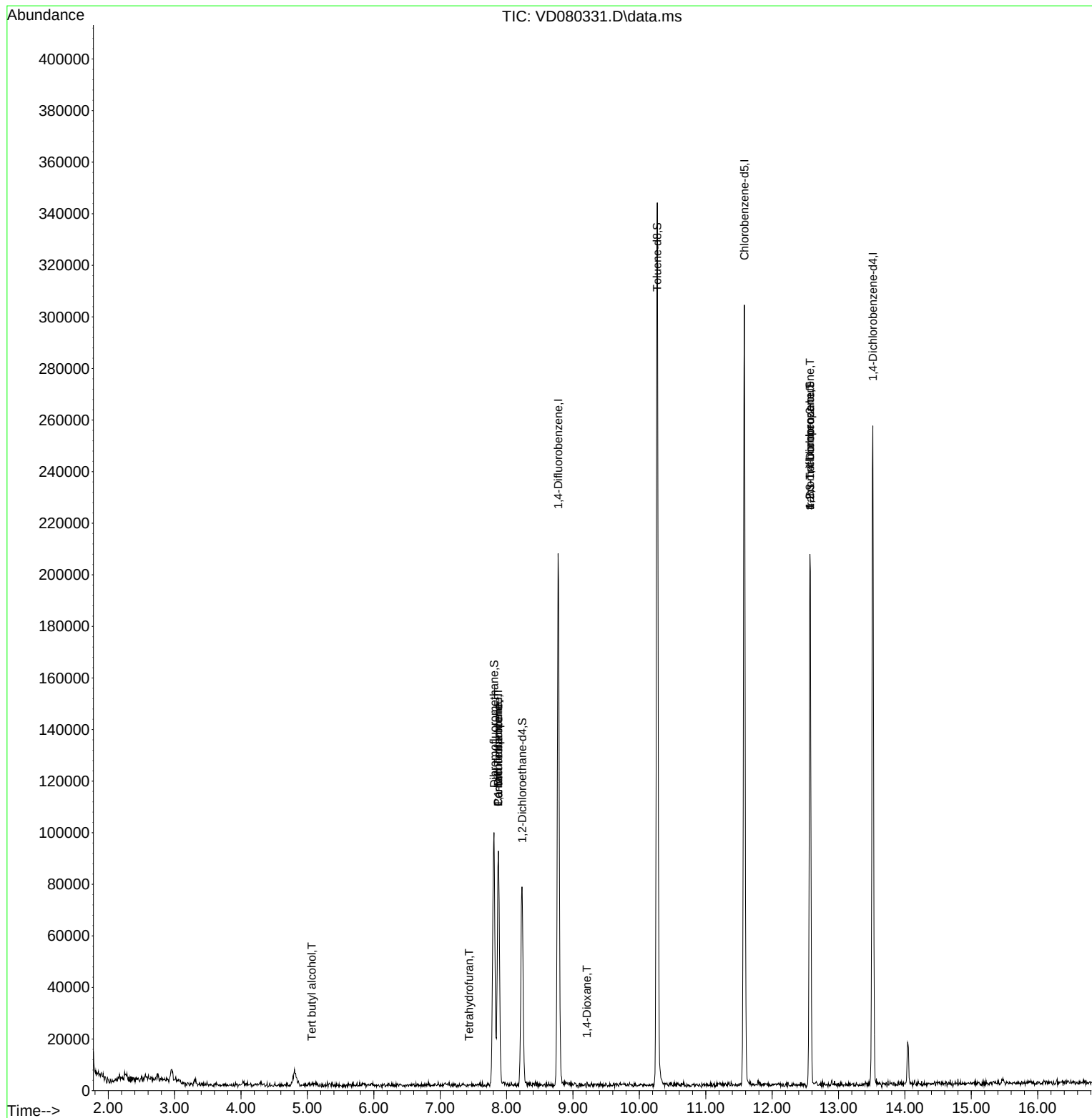
Internal Standards						
1) Pentafluorobenzene	7.876	168	68027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	166929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	69324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	63775	72.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.000%	
35) Dibromofluoromethane	7.811	113	69814	59.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.840%	
50) Toluene-d8	10.270	98	232081	50.129	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	12.570	95	62980	42.382	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.760%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.924	85	64	Below Cal	#	43
3) Chloromethane	2.135	50	56	Below Cal	#	1
11) Tert butyl alcohol	5.065	59	56	1.049	ug/l #	1
16) Acetone	4.041	43	1818	Below Cal	#	36
29) Tetrahydrofuran	7.435	42	177	1.122	ug/l #	55
36) 1,1-Dichloropropene	7.876	75	5616	3.198	ug/l #	45
38) Carbon Tetrachloride	7.876	117	7002	3.823	ug/l #	20
49) 1,4-Dioxane	9.211	88	72	7.882	ug/l #	6
76) 1,2,3-Trichloropropane	12.570	75	32706	48.883	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	32706	92.788	ug/l #	15

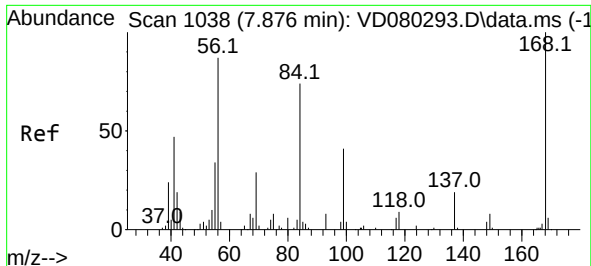
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

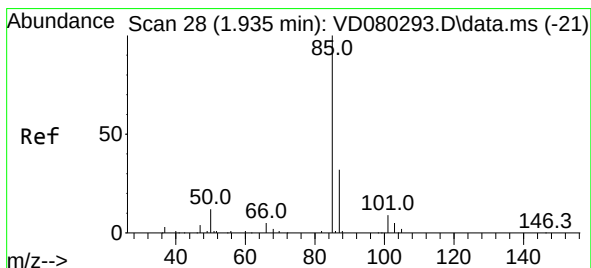
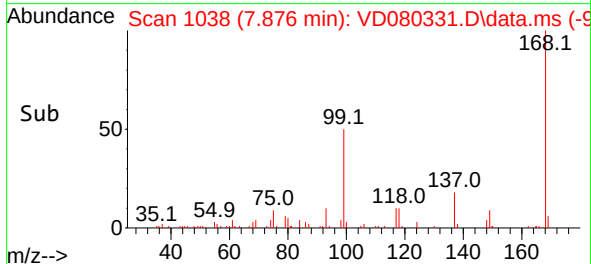
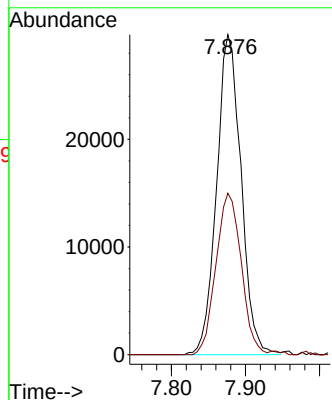
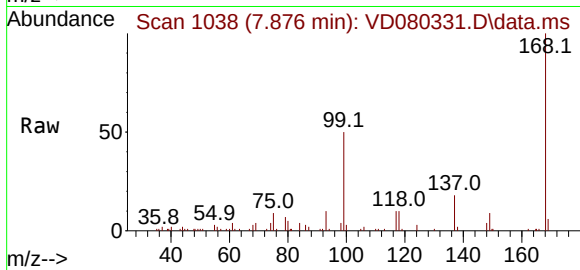




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

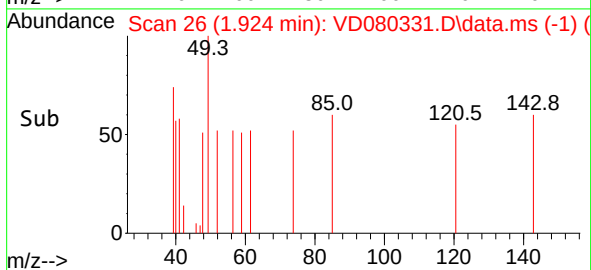
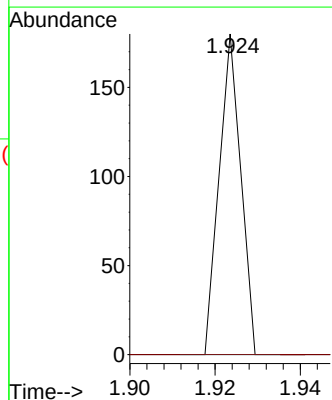
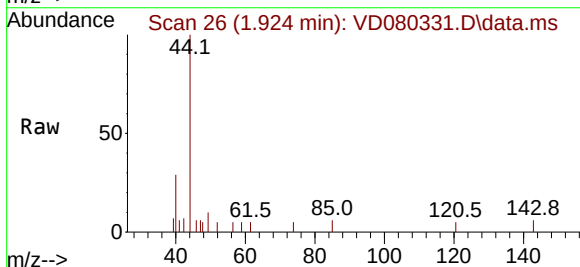
Instrument :
MSVOA_D
ClientSampleId :
TP-13

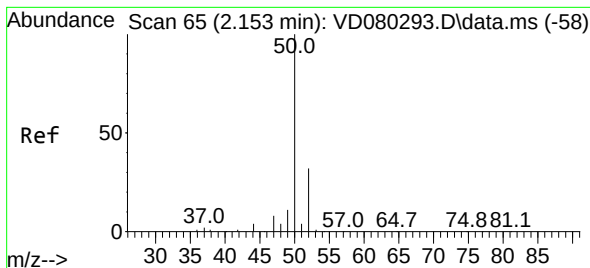
Tgt Ion:168 Resp: 68027
Ion Ratio Lower Upper
168 100
99 50.5 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.924 min Scan# 26
Delta R.T. -0.010 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion: 85 Resp: 64
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#3

Chloromethane

Concen: Below Cal

RT: 2.135 min Scan# 61

Delta R.T. -0.011 min

Lab File: VD080331.D

Acq: 14 May 2025 19:17

Instrument :

MSVOA_D

ClientSampleId :

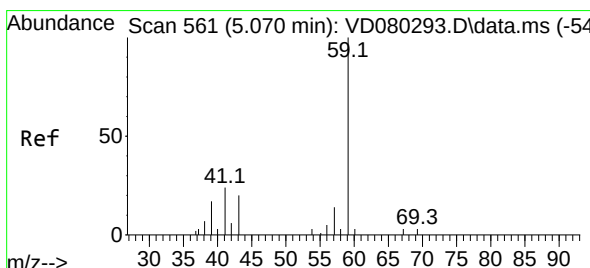
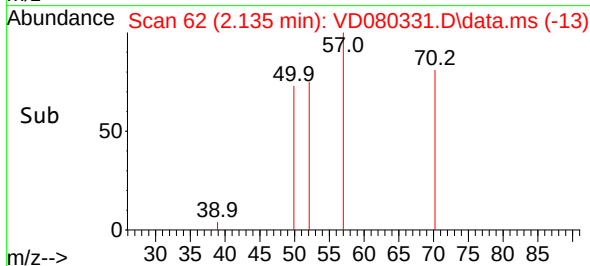
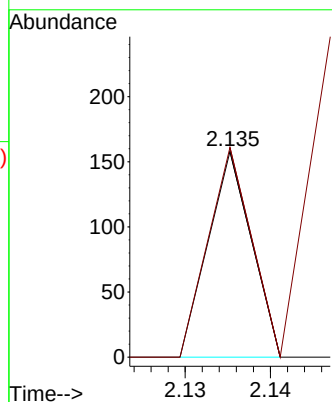
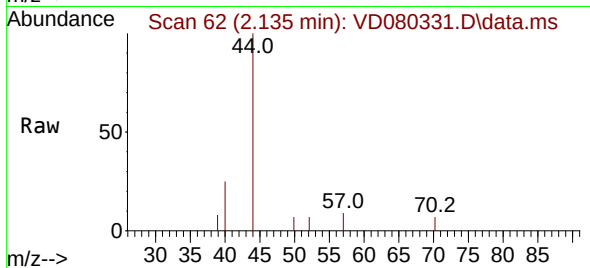
TP-13

Tgt Ion: 50 Resp: 56

Ion Ratio Lower Upper

50 100

52 101.9 28.8 43.2#



#11

Tert butyl alcohol

Concen: 1.049 ug/l

RT: 5.065 min Scan# 560

Delta R.T. 0.007 min

Lab File: VD080331.D

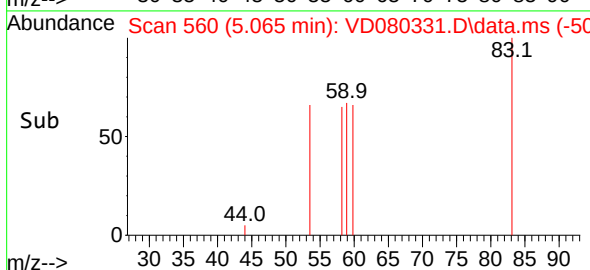
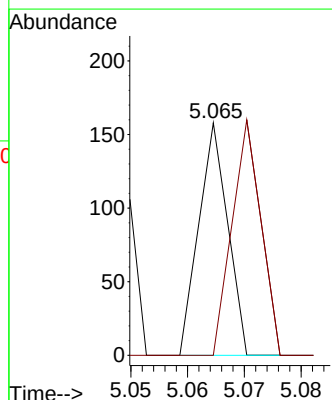
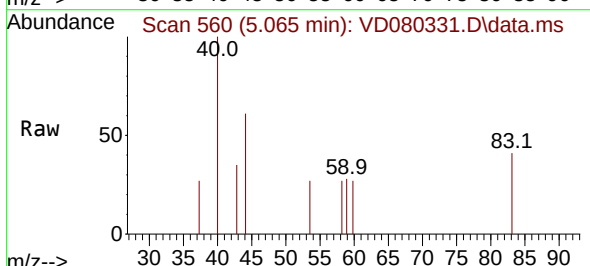
Acq: 14 May 2025 19:17

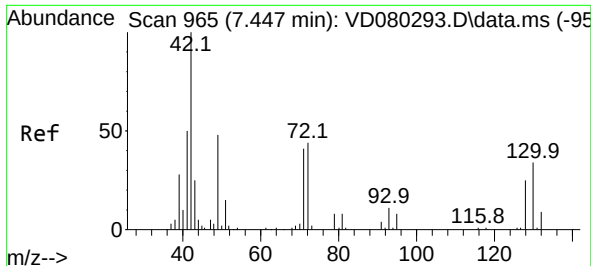
Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 100.0 4.8 7.2#





#29

Tetrahydrofuran

Concen: 1.122 ug/l

RT: 7.435 min Scan# 90

Delta R.T. -0.011 min

Lab File: VD080331.D

Acq: 14 May 2025 19:17

Instrument :

MSVOA_D

ClientSampleId :

TP-13

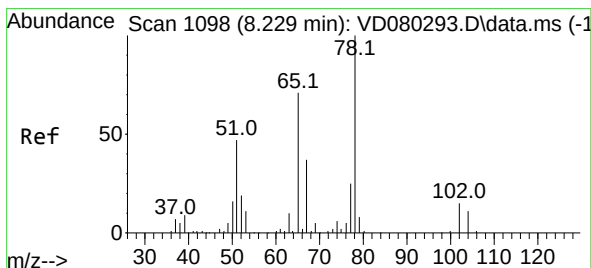
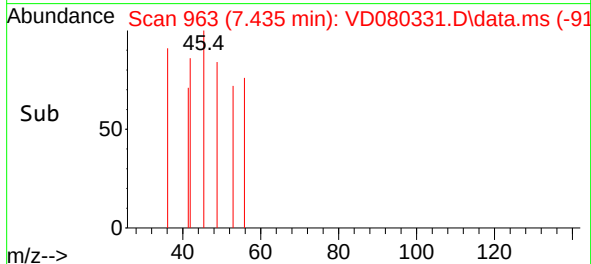
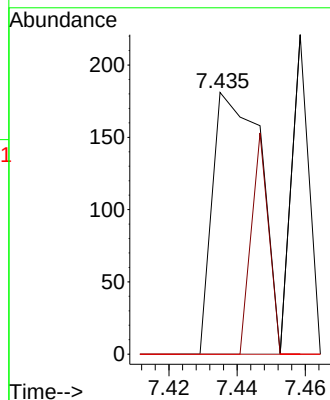
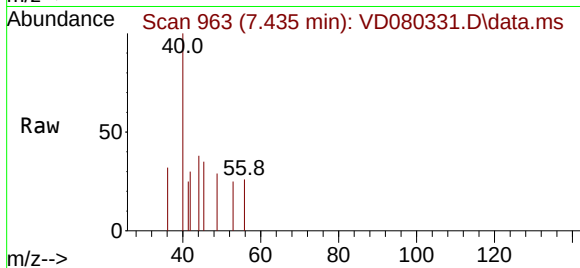
Tgt Ion: 42 Resp: 177

Ion Ratio Lower Upper

42 100

72 30.5 36.7 55.1#

71 0.0 34.4 51.6#



#33

1,2-Dichloroethane-d4

Concen: 72.496 ug/l

RT: 8.235 min Scan# 1099

Delta R.T. 0.007 min

Lab File: VD080331.D

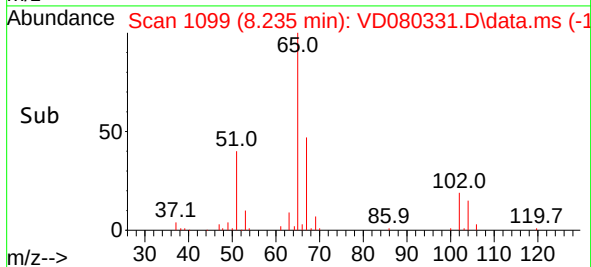
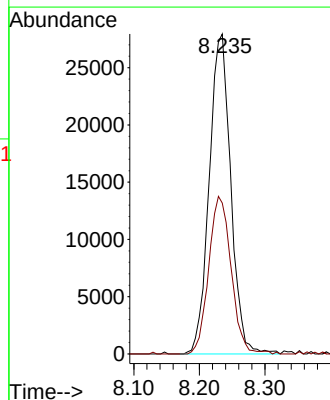
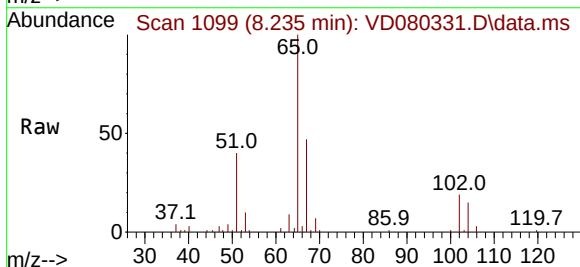
Acq: 14 May 2025 19:17

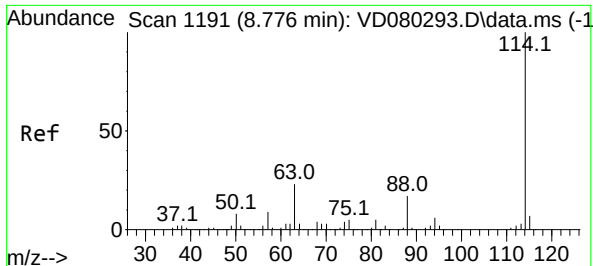
Tgt Ion: 65 Resp: 63775

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.2

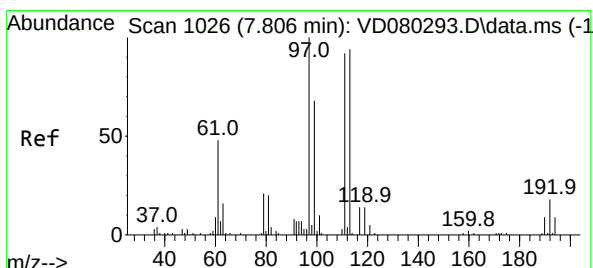
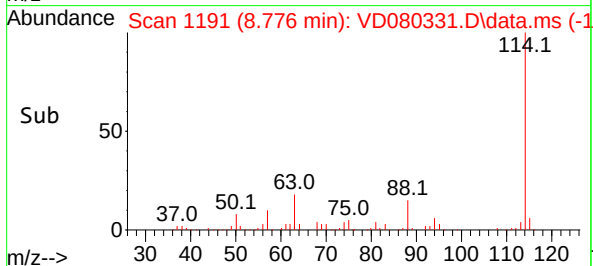
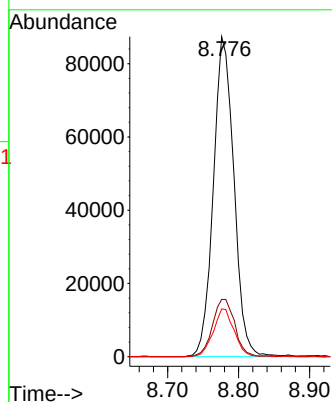
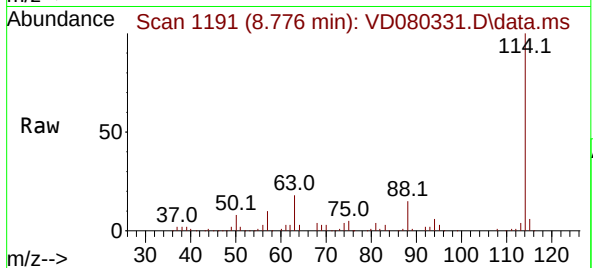




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

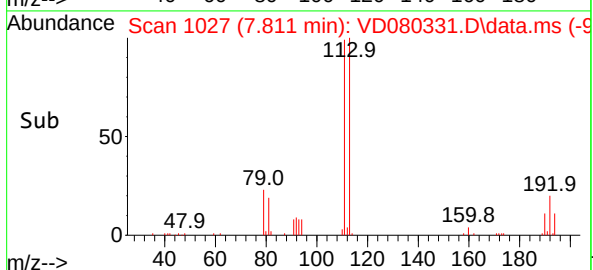
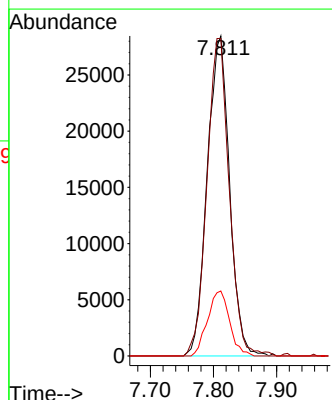
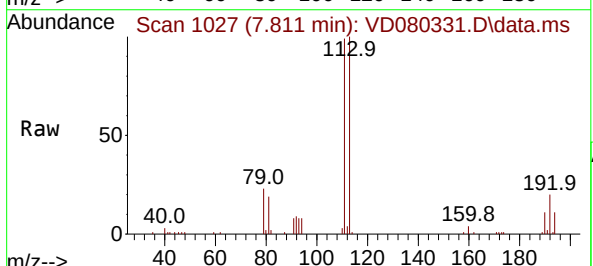
Instrument :
MSVOA_D
ClientSampleId :
TP-13

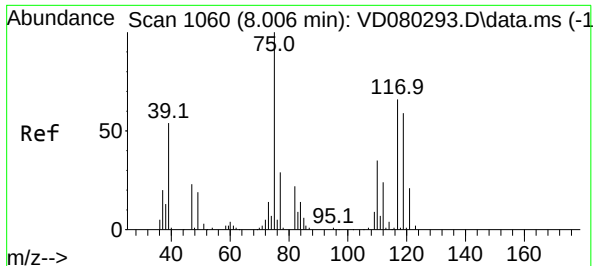
Tgt Ion:114 Resp: 175314
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.8
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 59.415 ug/l
RT: 7.811 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:113 Resp: 69814
Ion Ratio Lower Upper
113 100
111 99.3 82.5 123.7
192 20.1 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.198 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080331.D

Acq: 14 May 2025 19:17

Instrument :

MSVOA_D

ClientSampleId :

TP-13

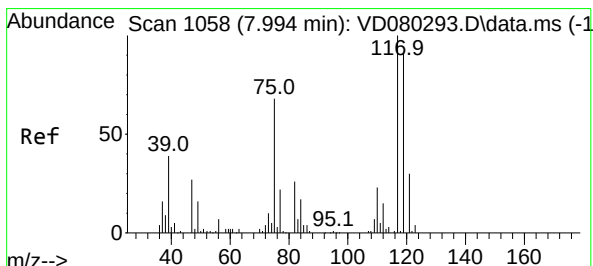
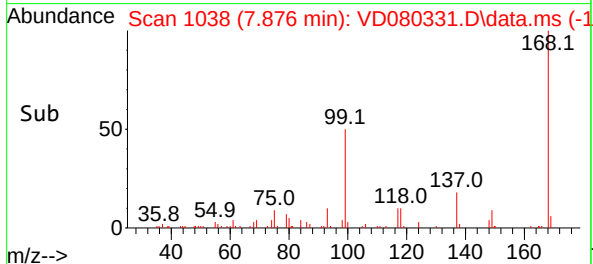
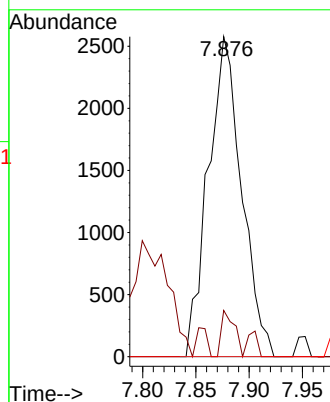
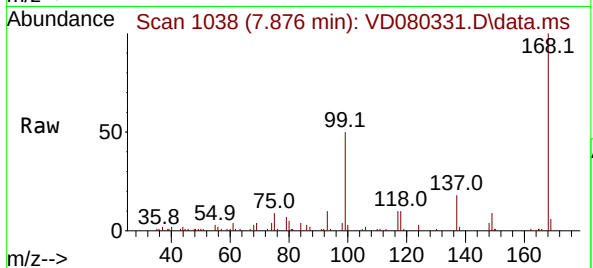
Tgt Ion: 75 Resp: 5616

Ion Ratio Lower Upper

75 100

110 5.7 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.823 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080331.D

Acq: 14 May 2025 19:17

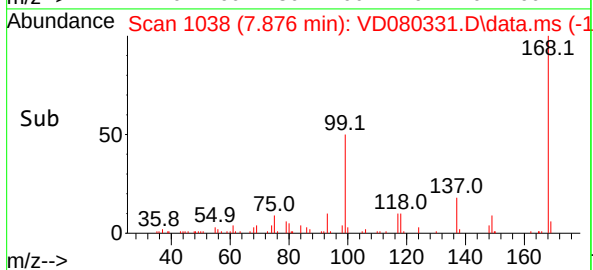
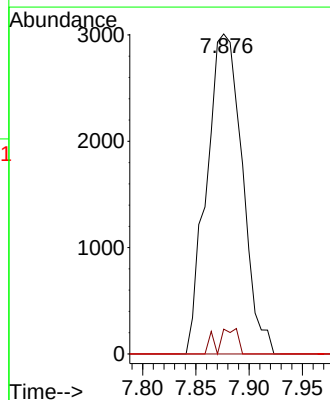
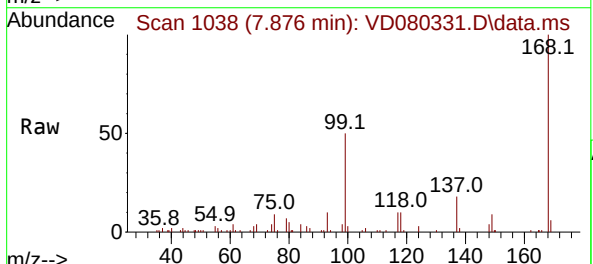
Tgt Ion: 117 Resp: 7002

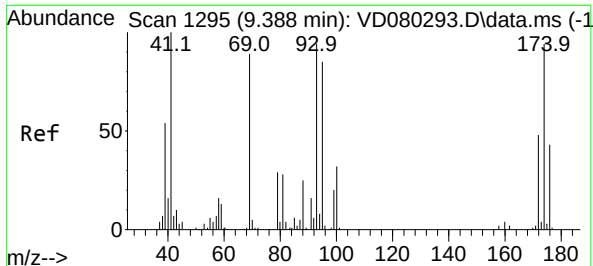
Ion Ratio Lower Upper

117 100

119 7.7 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 7.882 ug/l

RT: 9.211 min Scan# 1265

Delta R.T. -0.176 min

Lab File: VD080331.D

Acq: 14 May 2025 19:17

Instrument :

MSVOA_D

ClientSampleId :

TP-13

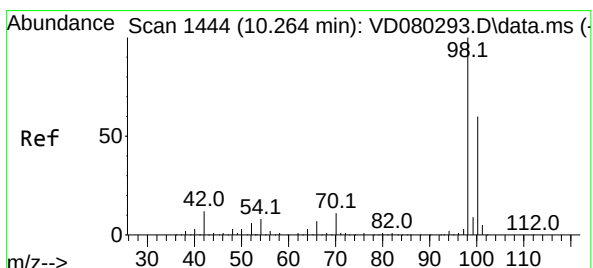
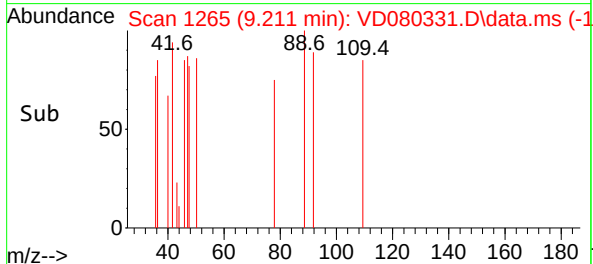
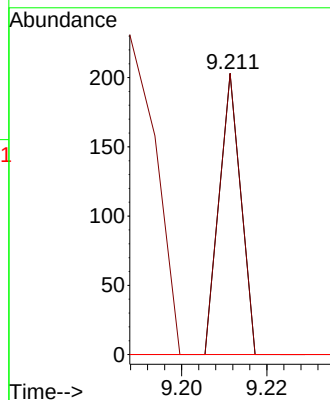
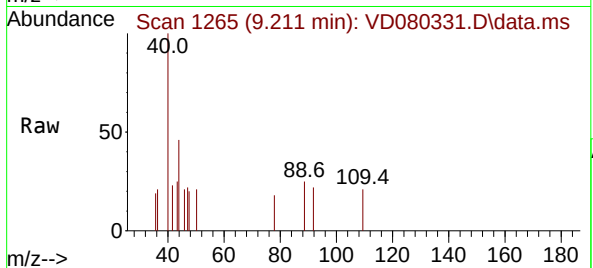
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 100.0 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 50.129 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080331.D

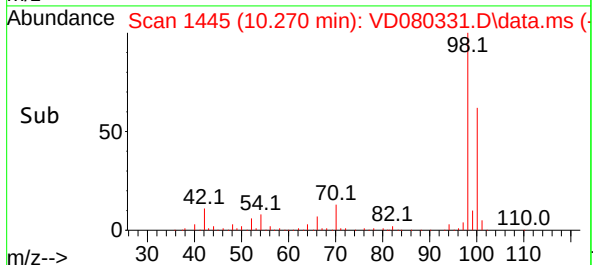
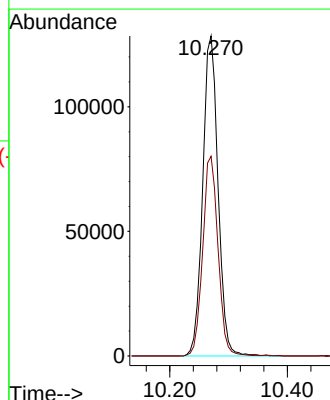
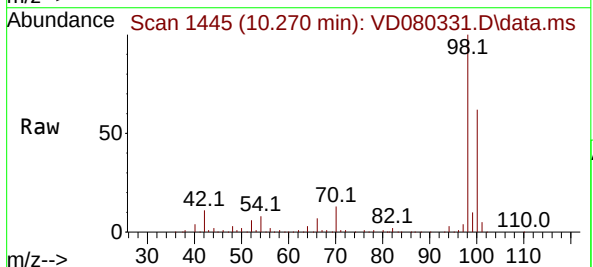
Acq: 14 May 2025 19:17

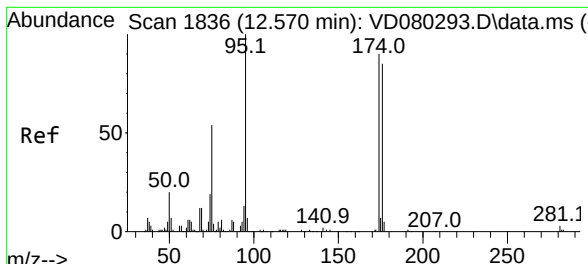
Tgt Ion: 98 Resp: 232081

Ion Ratio Lower Upper

98 100

100 62.2 50.2 75.4

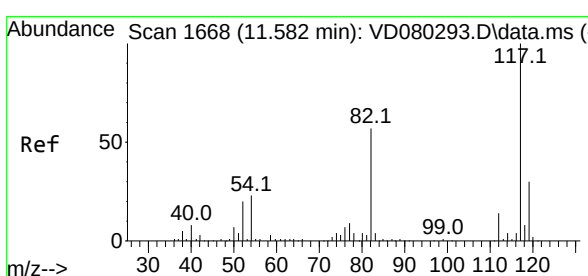
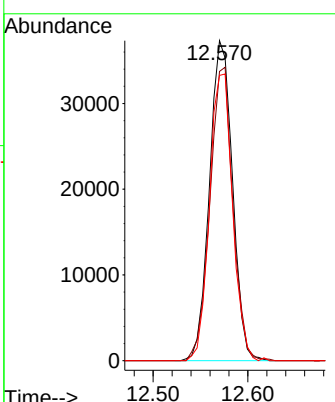
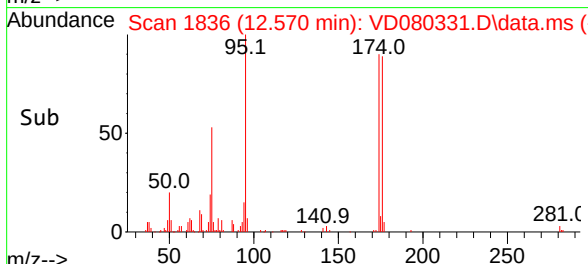
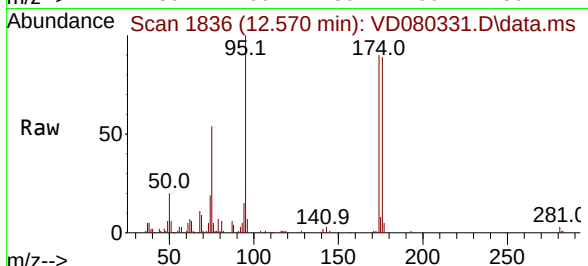




#62
 4-Bromofluorobenzene
 Concen: 42.382 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. 0.001 min
 Lab File: VD080331.D
 Acq: 14 May 2025 19:17

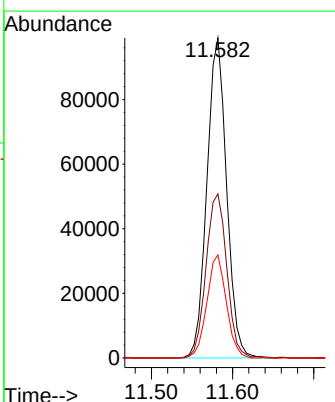
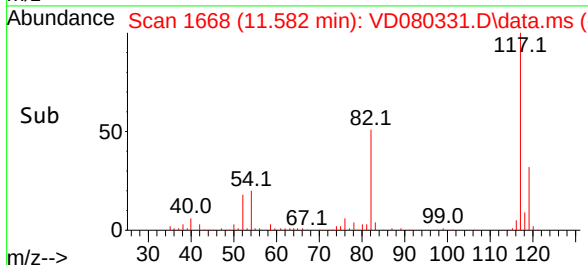
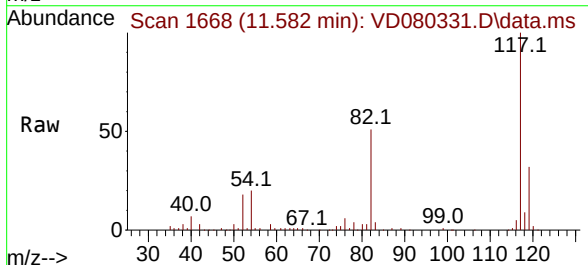
Instrument :
 MSVOA_D
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 TP-13

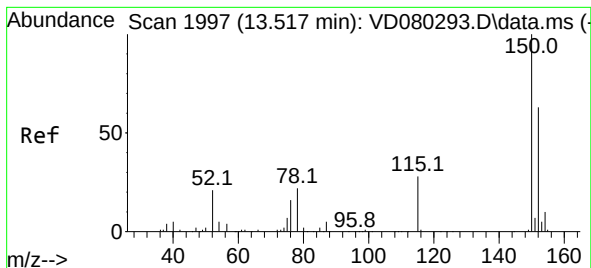
Tgt Ion:	95	Resp:	62980
Ion Ratio	Lower	Upper	
95	100		
174	91.6	0.0	173.4
176	89.7	0.0	166.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.582 min Scan# 1668
 Delta R.T. 0.001 min
 Lab File: VD080331.D
 Acq: 14 May 2025 19:17

Tgt Ion:	117	Resp:	166929
Ion Ratio	Lower	Upper	
117	100		
82	51.2	45.8	68.6
119	32.2	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: VD080331.D

Acq: 14 May 2025 19:17

Instrument :

MSVOA_D

ClientSampleId :

TP-13

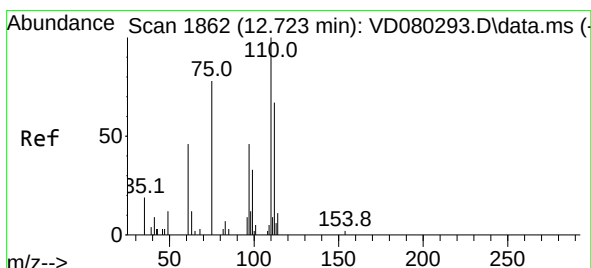
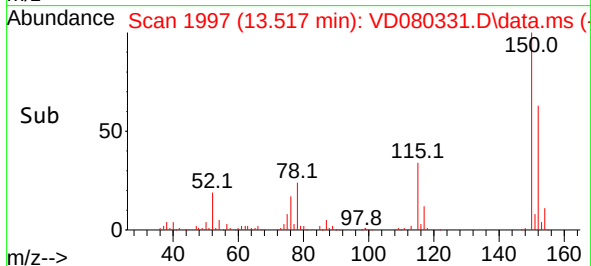
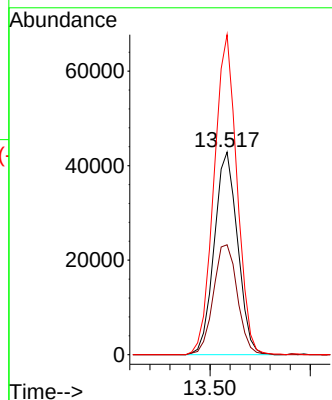
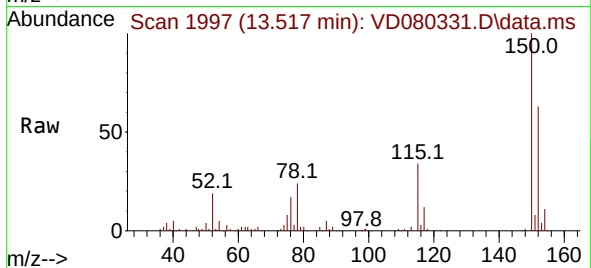
Tgt Ion:152 Resp: 69324

Ion Ratio Lower Upper

152 100

115 55.9 28.9 86.8

150 155.5 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 48.883 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. -0.152 min

Lab File: VD080331.D

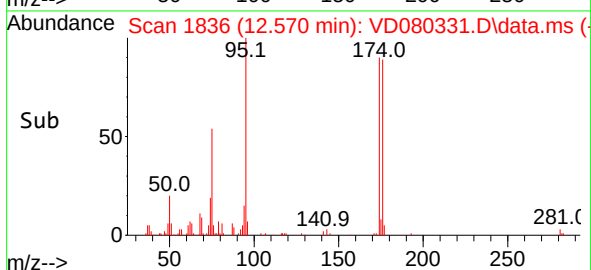
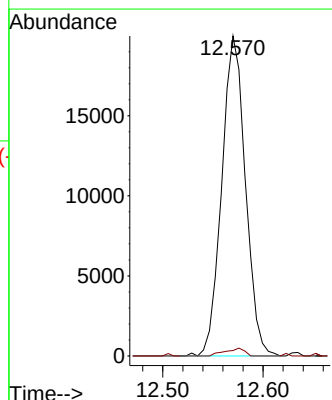
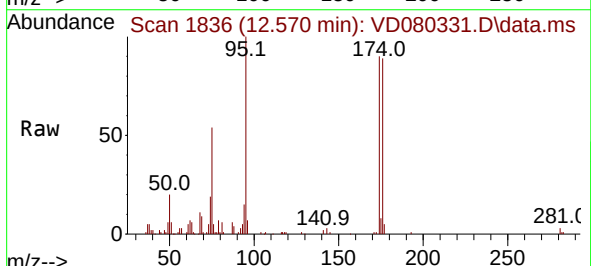
Acq: 14 May 2025 19:17

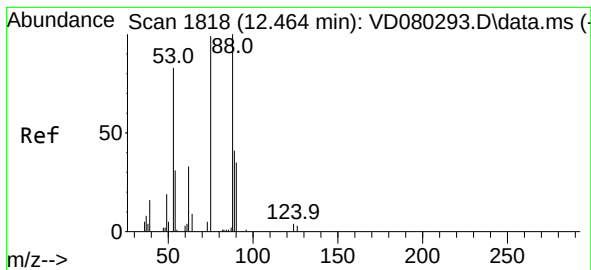
Tgt Ion: 75 Resp: 32706

Ion Ratio Lower Upper

75 100

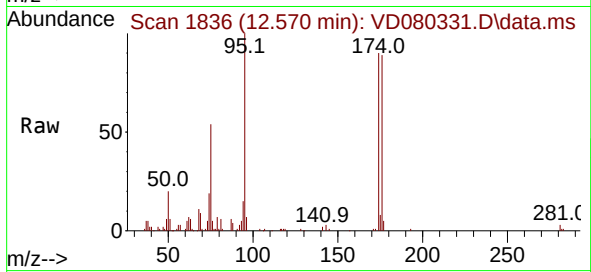
77 2.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.788 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Instrument :
MSVOA_D
ClientSampleId :
TP-13



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.6	68.7	103.1#
89	0.0	36.1	54.1#

