

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080373.D
 Acq On : 16 May 2025 15:59
 Operator : RP/MD
 Sample : Q2056-01
 Misc : 5.12G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GVD11

Quant Time: May 17 01:21:13 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)

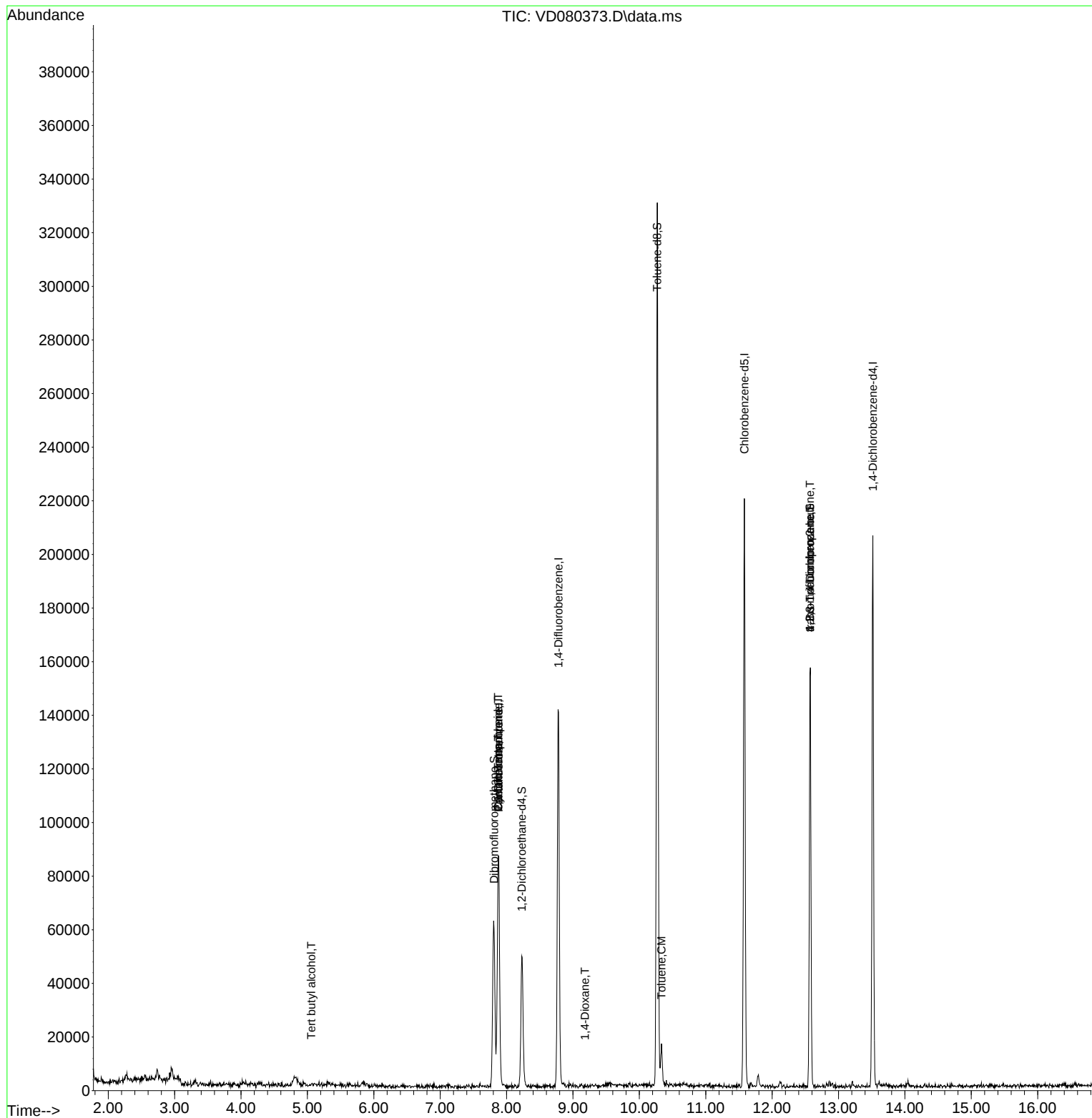
Internal Standards						
1) Pentafluorobenzene	7.882	168	64895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	119683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	118125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	54271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	39574	47.157	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.320%
35) Dibromofluoromethane	7.811	113	43474	54.196	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.400%
50) Toluene-d8	10.270	98	223553	70.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	141.460%#
62) 4-Bromofluorobenzene	12.570	95	47045	46.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.065	85	62	Below Cal	#	43
3) Chloromethane	2.159	50	127	Below Cal	#	39
11) Tert butyl alcohol	5.059	59	70	1.375	ug/l #	82
16) Acetone	4.035	43	2034	Below Cal	#	43
20) Methylene Chloride	4.806	84	2008	Below Cal	#	82
31) Cyclohexane	7.876	56	2236	1.640	ug/l #	33
36) 1,1-Dichloropropene	7.876	75	5551	4.630	ug/l #	47
38) Carbon Tetrachloride	7.876	117	6719	5.374	ug/l #	24
49) 1,4-Dioxane	9.182	88	62	9.942	ug/l #	21
52) Toluene	10.335	92	5124	2.264	ug/l	93
76) 1,2,3-Trichloropropane	12.570	75	25340	48.379	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	25340	91.830	ug/l #	15

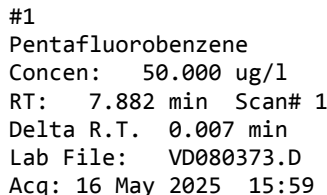
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.12G/5ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

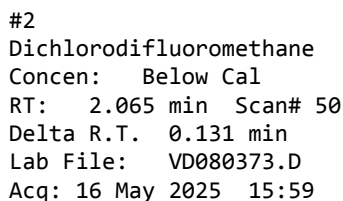
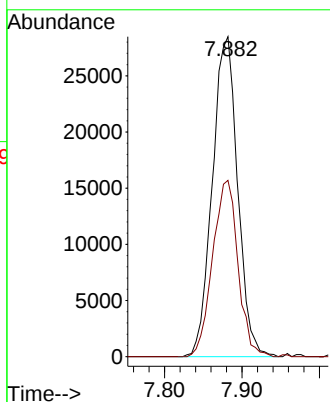
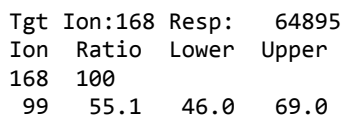
Instrument :
MSVOA_D
ClientSampleId :
GVD11

Quant Time: May 17 01:21:13 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

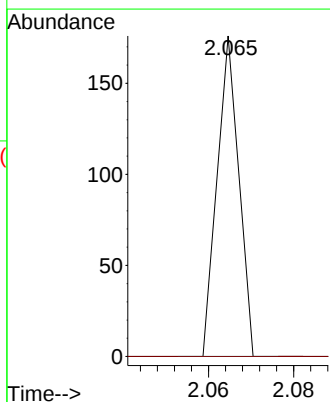


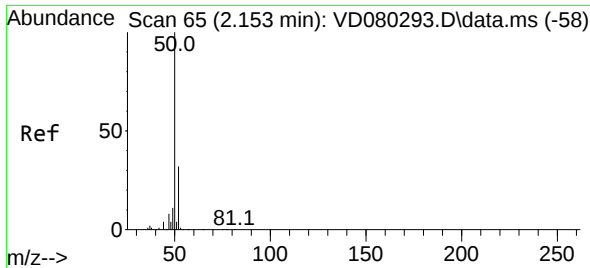


Instrument :
MSVOA_D
ClientSampleId :
GVD11



Tgt Ion: 85	Resp: 62
Ion Ratio	Lower Upper
85 100	
87 0.0	16.1 48.2#

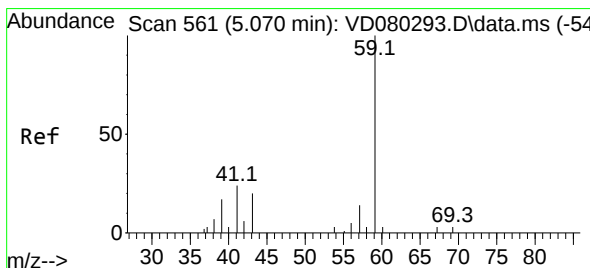
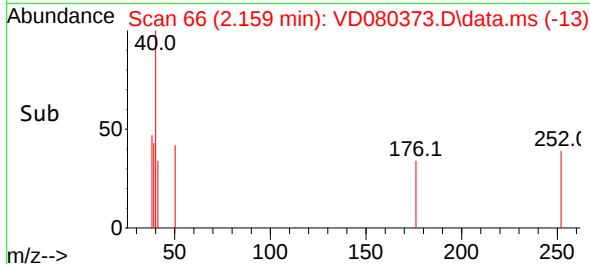
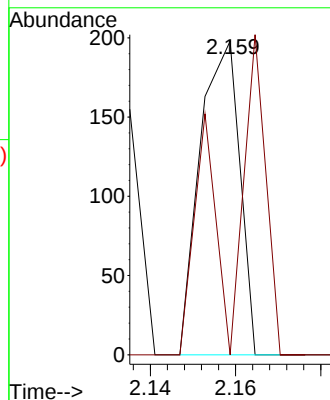
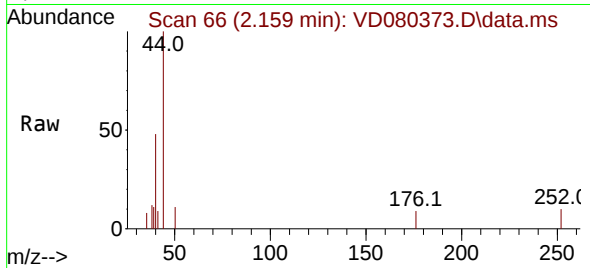




#3
Chloromethane
Concen: Below Cal
RT: 2.159 min Scan# 60
Delta R.T. 0.013 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

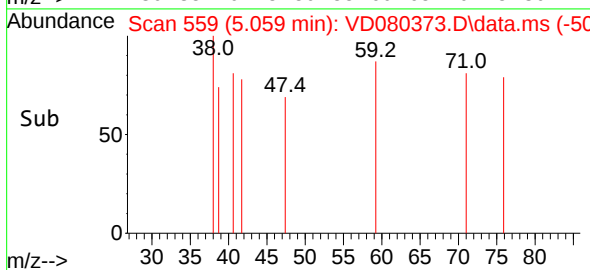
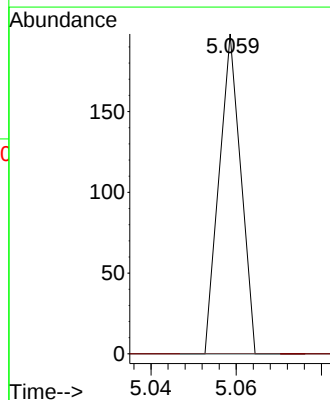
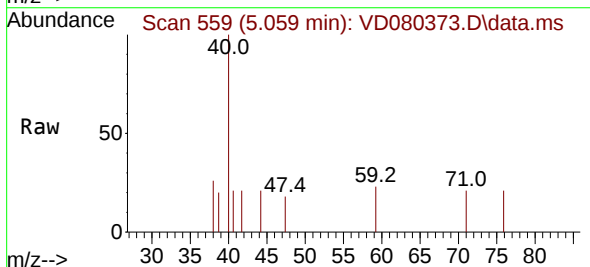
Instrument :
MSVOA_D
ClientSampleId :
GVD11

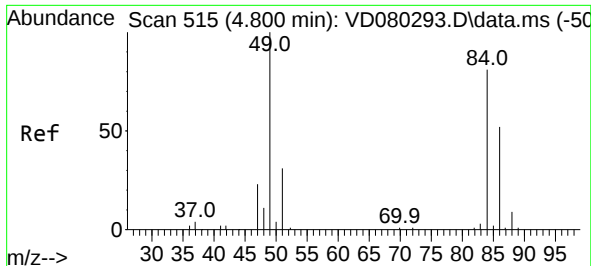
Tgt Ion: 50 Resp: 127
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.375 ug/l
RT: 5.059 min Scan# 559
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#

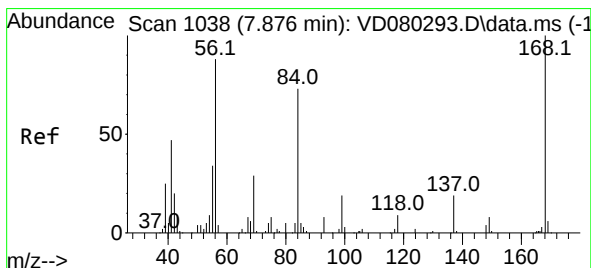
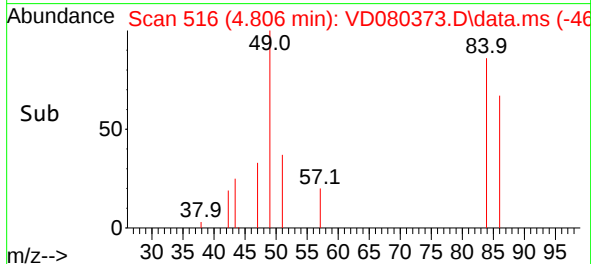
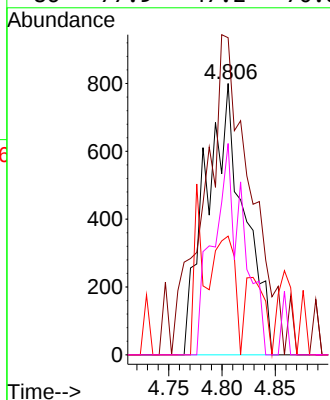
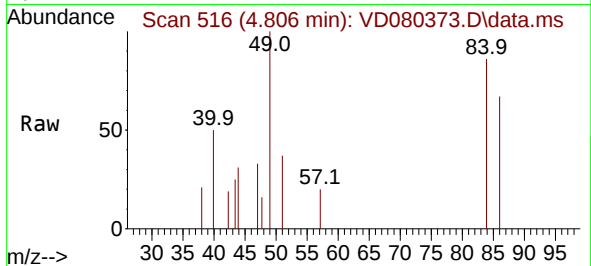




#20
Methylene Chloride
Concen: Below Cal
RT: 4.806 min Scan# 515
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

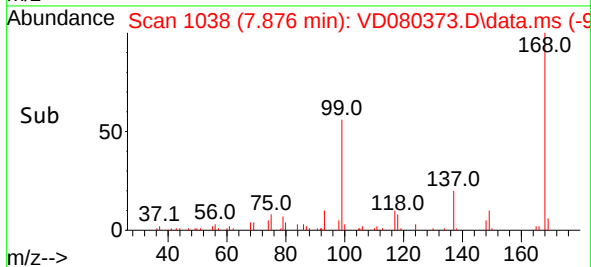
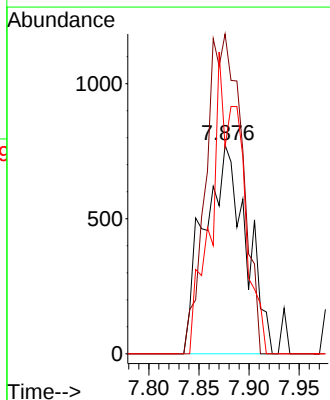
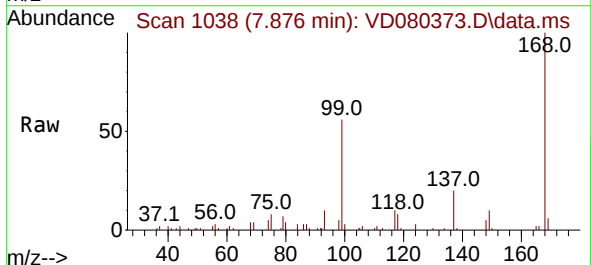
Instrument :
MSVOA_D
ClientSampleId :
GVD11

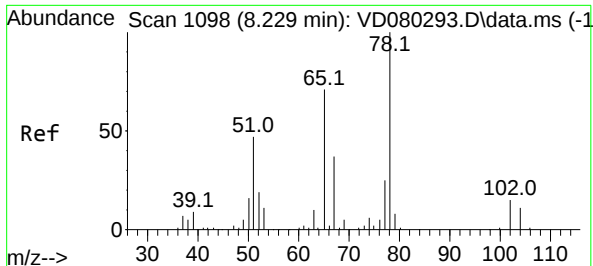
Tgt Ion:	84	Resp:	2008
Ion	Ratio	Lower	Upper
84	100		
49	93.2	86.5	129.7
51	43.7	26.9	40.3#
86	77.9	47.2	70.8#



#31
Cyclohexane
Concen: 1.640 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion:	56	Resp:	2236
Ion	Ratio	Lower	Upper
56	100		
69	153.2	27.3	40.9#
84	99.2	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 47.157 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.001 min

Lab File: VD080373.D

Acq: 16 May 2025 15:59

Instrument :

MSVOA_D

ClientSampleId :

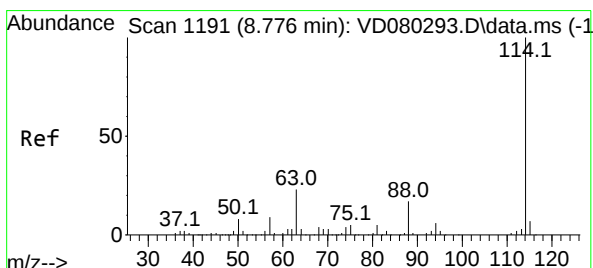
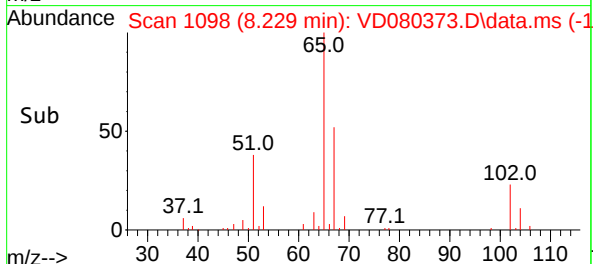
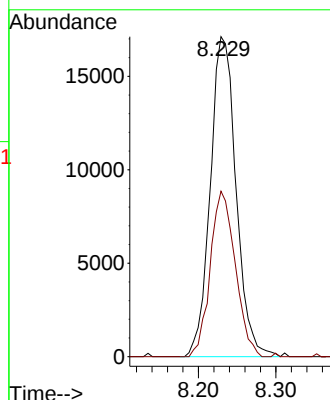
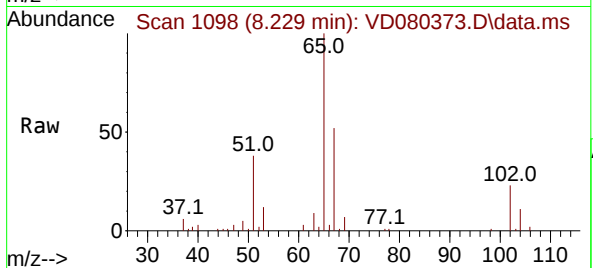
GVD11

Tgt Ion: 65 Resp: 39574

Ion Ratio Lower Upper

65 100

67 50.2 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: VD080373.D

Acq: 16 May 2025 15:59

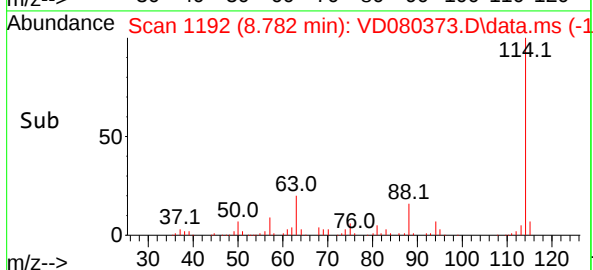
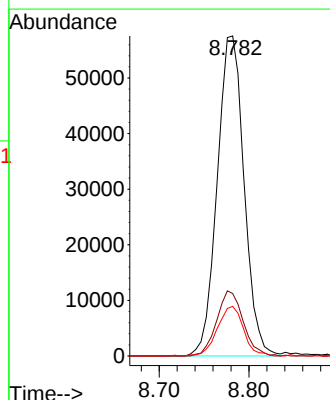
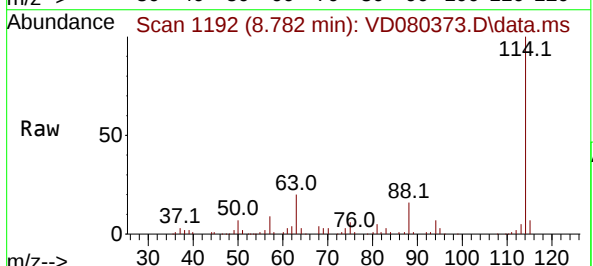
Tgt Ion:114 Resp: 119683

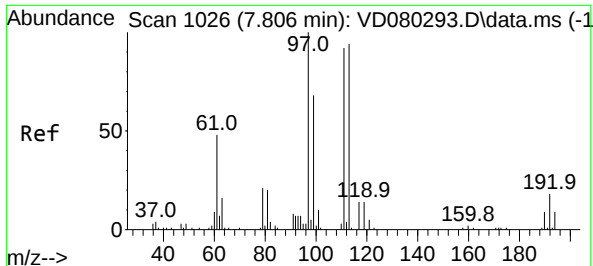
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.196 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080373.D

Acq: 16 May 2025 15:59

Instrument :

MSVOA_D

ClientSampleId :

GVD11

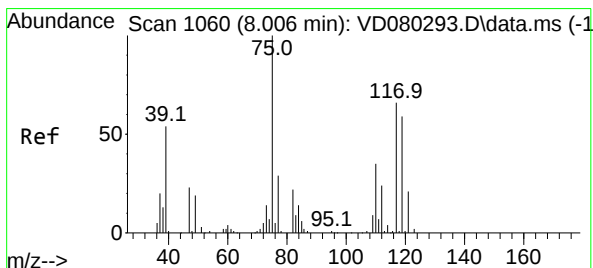
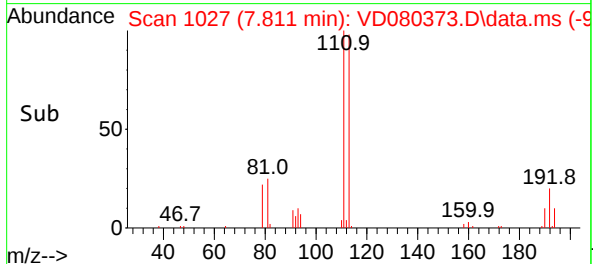
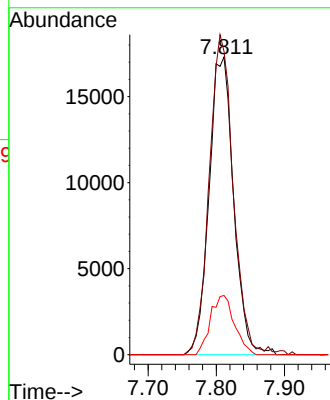
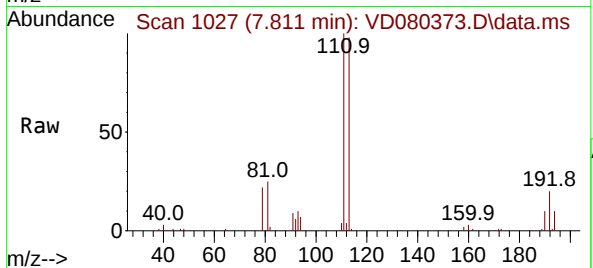
Tgt Ion:113 Resp: 43474

Ion Ratio Lower Upper

113 100

111 104.7 82.5 123.7

192 19.4 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.630 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080373.D

Acq: 16 May 2025 15:59

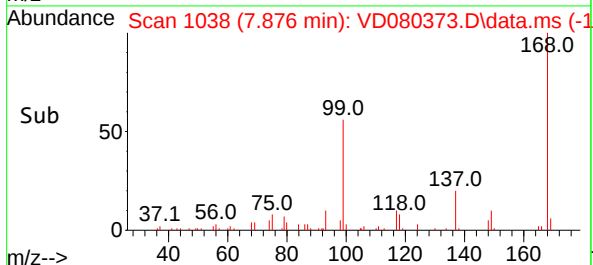
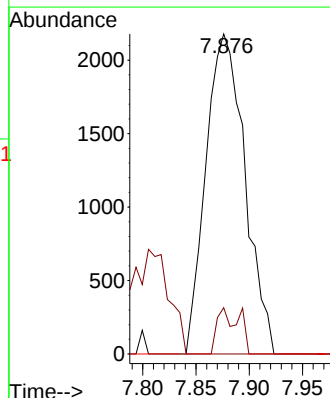
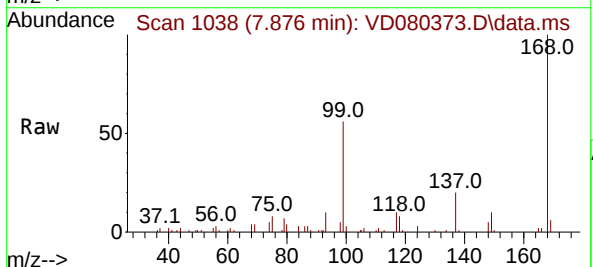
Tgt Ion: 75 Resp: 5551

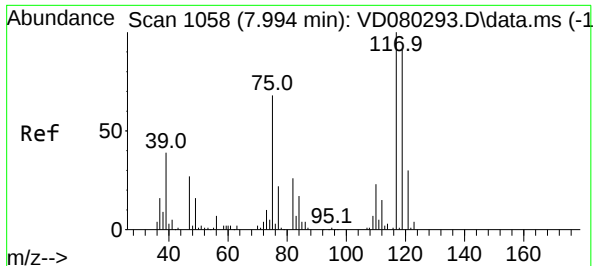
Ion Ratio Lower Upper

75 100

110 8.0 18.4 55.0#

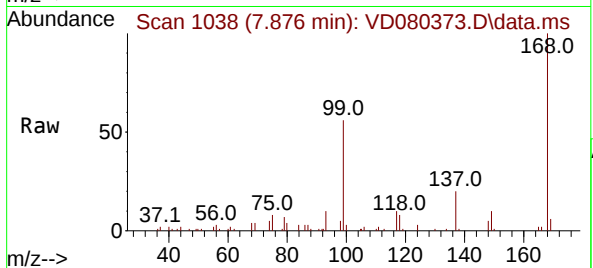
77 0.0 25.6 38.4#



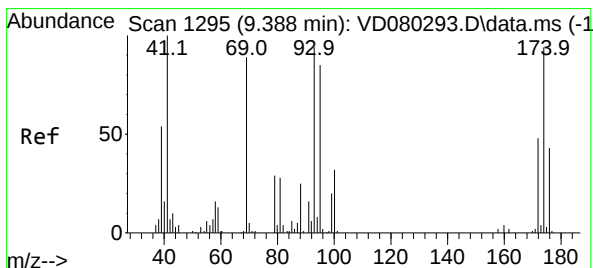
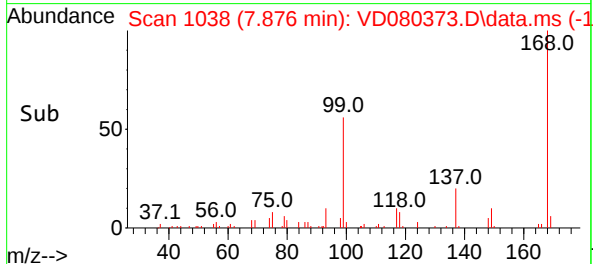
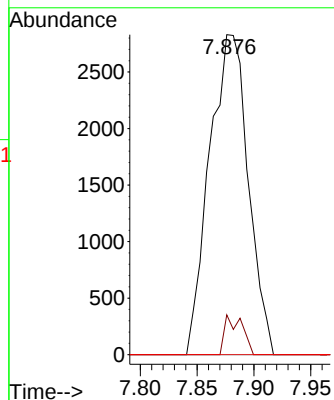


#38
Carbon Tetrachloride
Concen: 5.374 ug/l
RT: 7.876 min Scan# 117
Delta R.T. -0.111 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Instrument :
MSVOA_D
ClientSampleId :
GVD11

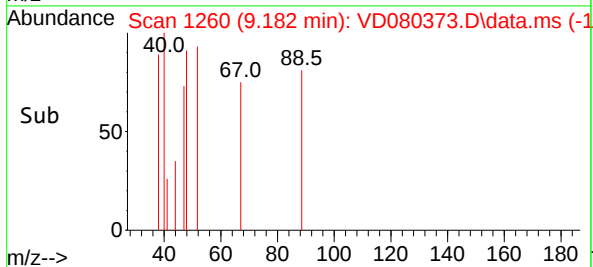
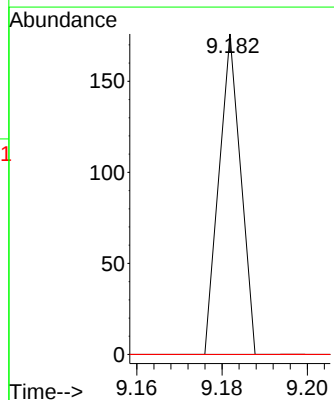
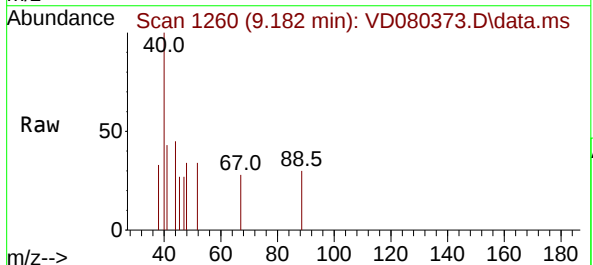


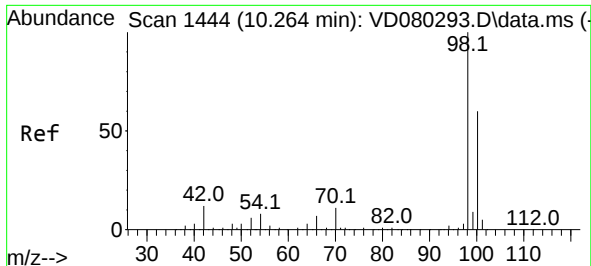
Tgt Ion:117 Resp: 6719
Ion Ratio Lower Upper
117 100
119 12.4 73.4 110.0#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 9.942 ug/l
RT: 9.182 min Scan# 1260
Delta R.T. -0.205 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 29.1 43.7#
58 0.0 59.9 89.9#

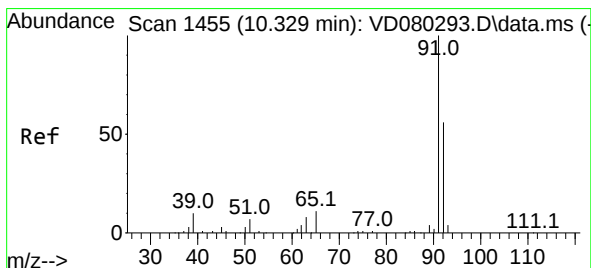
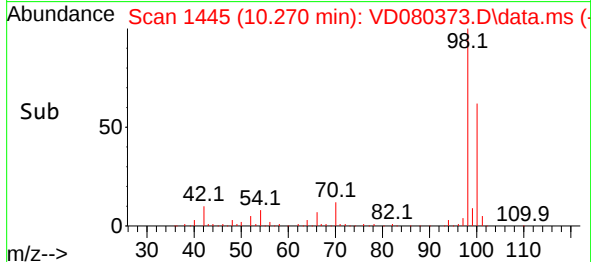
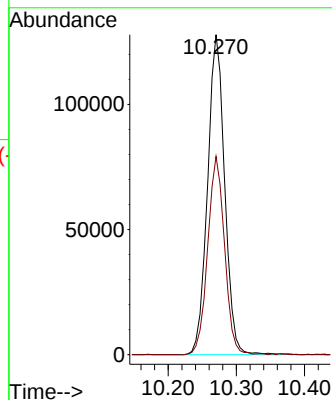
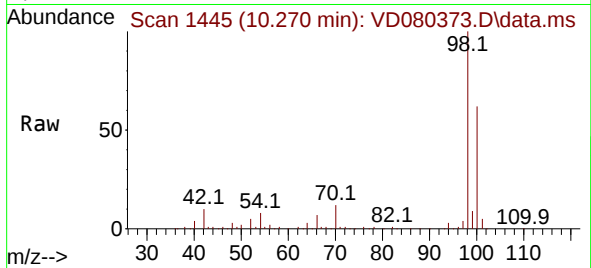




#50
Toluene-d8
Concen: 70.731 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

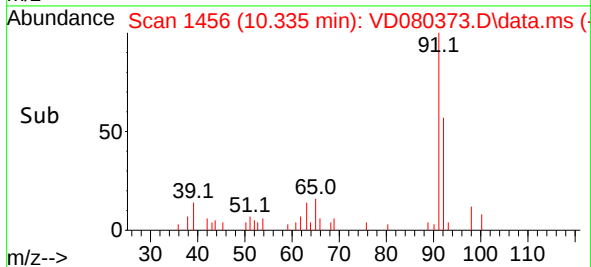
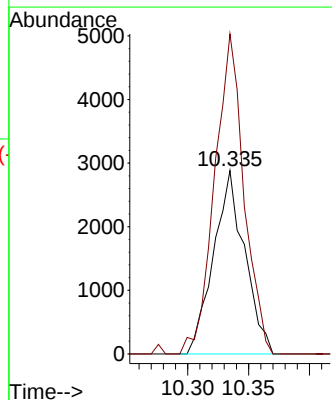
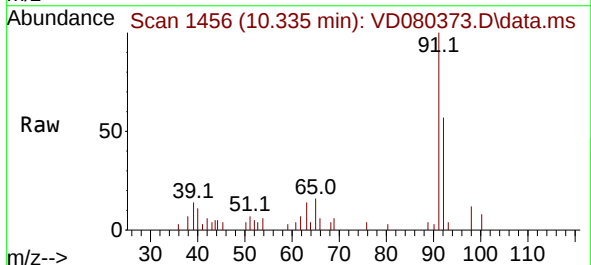
Instrument :
MSVOA_D
ClientSampleId :
GVD11

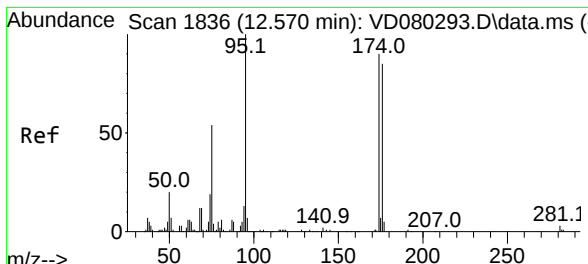
Tgt Ion: 98 Resp: 223553
Ion Ratio Lower Upper
98 100
100 61.0 50.2 75.4



#52
Toluene
Concen: 2.264 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion: 92 Resp: 5124
Ion Ratio Lower Upper
92 100
91 164.8 139.3 208.9

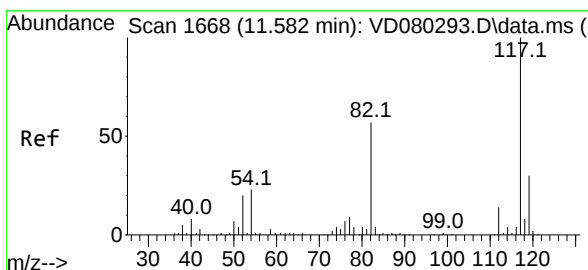
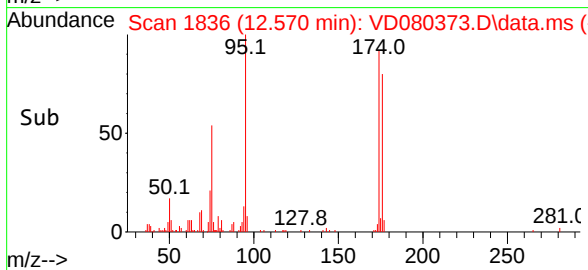
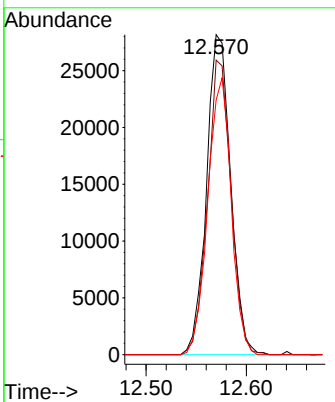
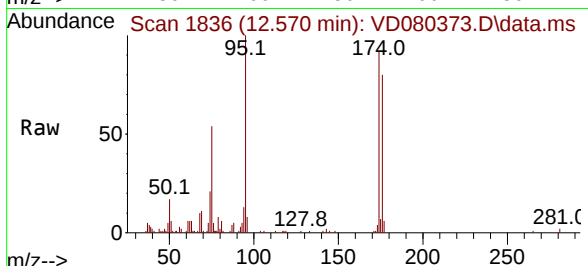




#62
4-Bromofluorobenzene
Concen: 46.375 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

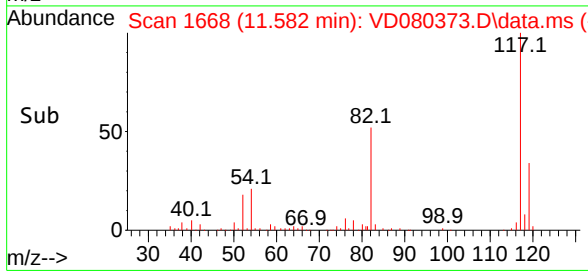
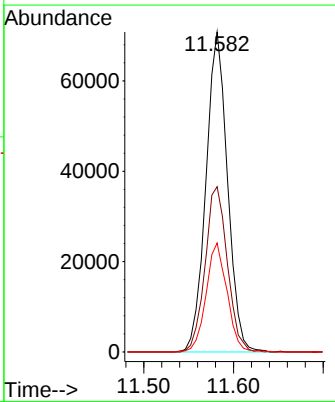
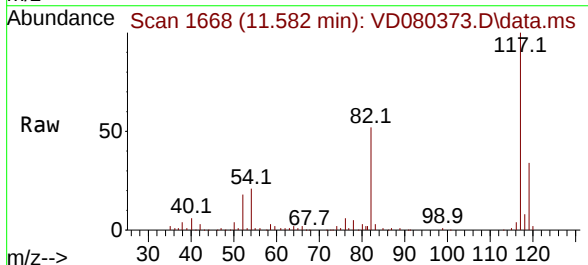
Instrument :
MSVOA_D
ClientSampleId :
GVD11

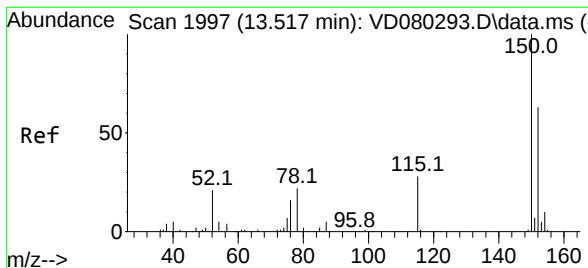
Tgt Ion:	95	Resp:	47045
Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	173.4
176	84.1	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion:	117	Resp:	118125
Ion	Ratio	Lower	Upper
117	100		
82	51.6	45.8	68.6
119	34.1	26.2	39.2

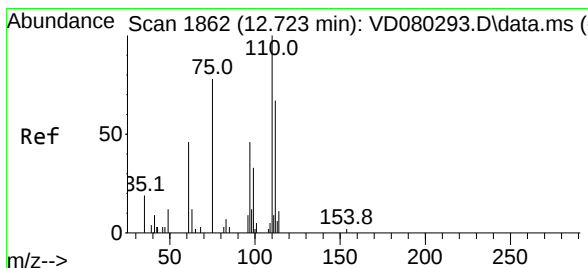
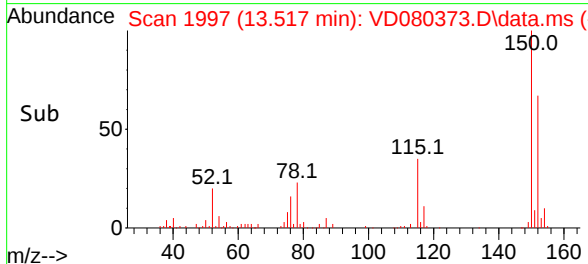
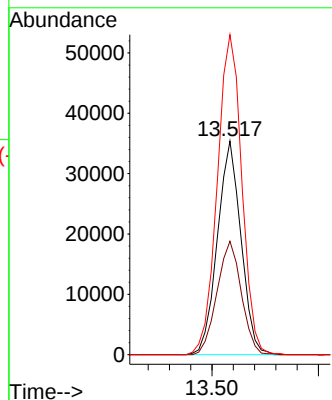
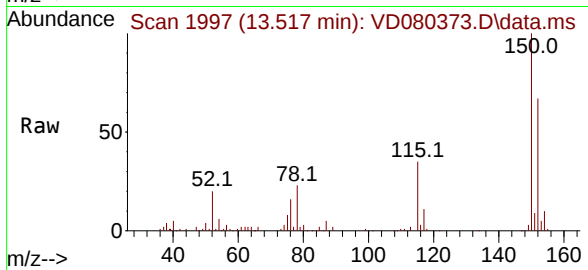




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080373.D
 Acq: 16 May 2025 15:59

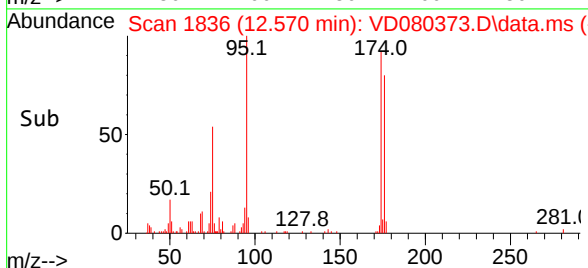
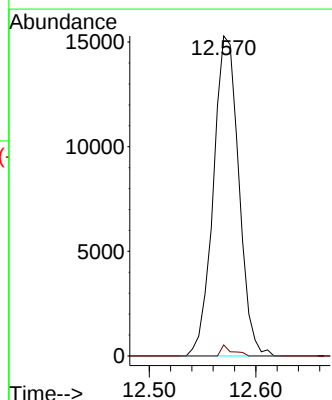
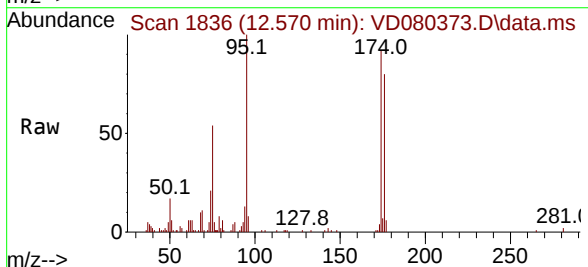
Instrument :
 MSVOA_D
 ClientSampleId :
 GVD11

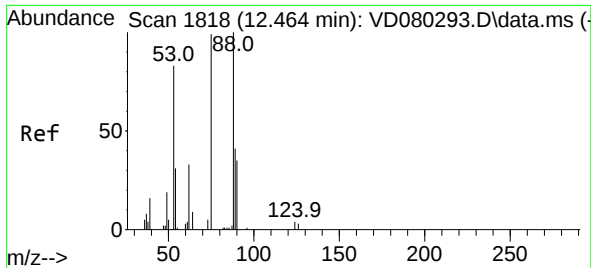
Tgt Ion:152 Resp: 54271
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.9 86.8
 150 155.8 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 48.379 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080373.D
 Acq: 16 May 2025 15:59

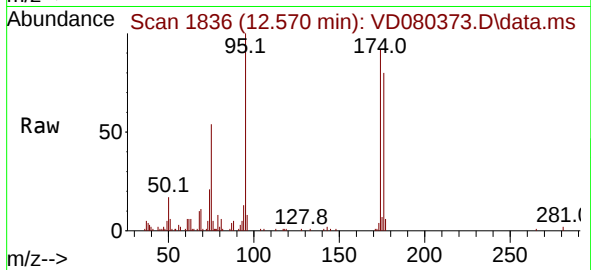
Tgt Ion: 75 Resp: 25340
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 91.830 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Instrument :
MSVOA_D
ClientSampleId :
GVD11



Tgt Ion:	75	Resp:	25340
Ion	Ratio	Lower	Upper
75	100		
53	0.2	68.7	103.1#
89	0.0	36.1	54.1#

