

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080375.D
 Acq On : 16 May 2025 16:52
 Operator : RP/MD
 Sample : Q2056-03
 Misc : 7.69G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GVD13

Quant Time: May 17 01:21:52 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)

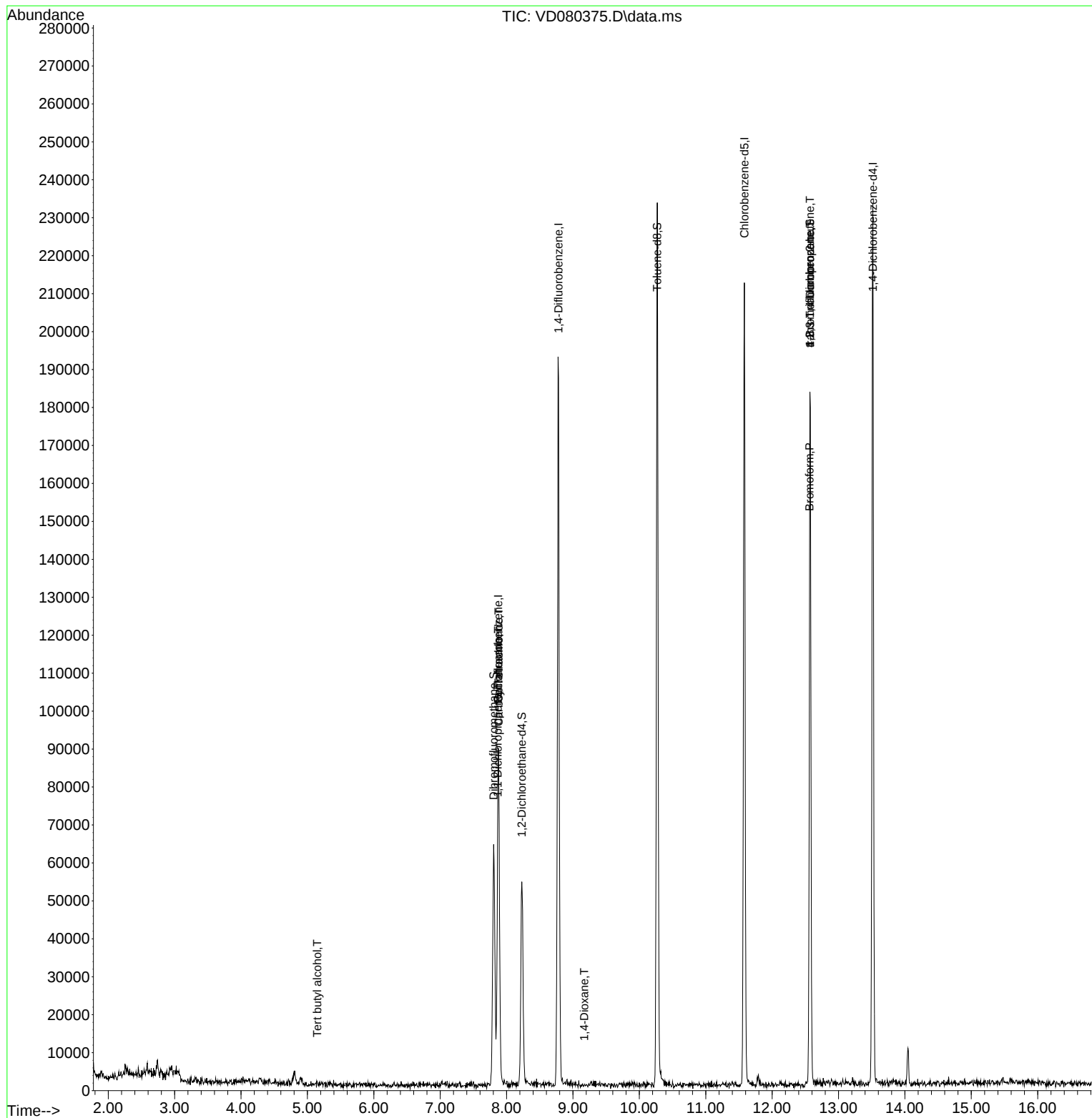
Internal Standards						
1) Pentafluorobenzene	7.876	168	64588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	150608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	115858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	62040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	43312	51.856	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.720%	
35) Dibromofluoromethane	7.805	113	42404	42.008	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.020%	
50) Toluene-d8	10.270	98	154774	38.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 77.820%	
62) 4-Bromofluorobenzene	12.570	95	53721	42.082	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.160%	
Target Compounds						
2) Dichlorodifluoromethane	1.941	85	61	Below Cal	#	43
3) Chloromethane	2.153	50	55	Below Cal	#	1
11) Tert butyl alcohol	5.147	59	54	1.065	ug/l #	1
16) Acetone	4.023	43	1001	Below Cal	#	43
20) Methylene Chloride	4.806	84	1801	Below Cal	#	79
31) Cyclohexane	7.876	56	1806	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.864	75	5887	3.902	ug/l #	49
38) Carbon Tetrachloride	7.882	117	6538	4.156	ug/l #	19
49) 1,4-Dioxane	9.170	88	64	8.156	ug/l #	1
71) Bromoform	12.564	173	579	1.084	ug/l #	28
76) 1,2,3-Trichloropropane	12.570	75	28545	47.673	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	28545	90.491	ug/l #	15

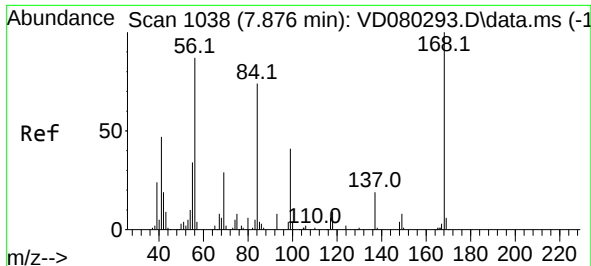
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 17 01:21:52 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

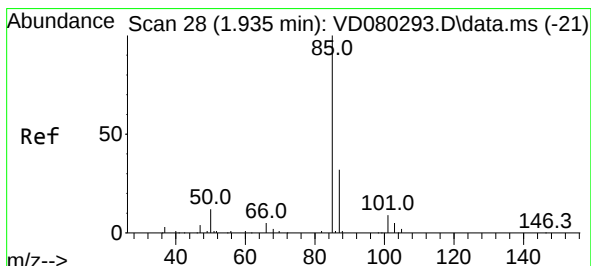
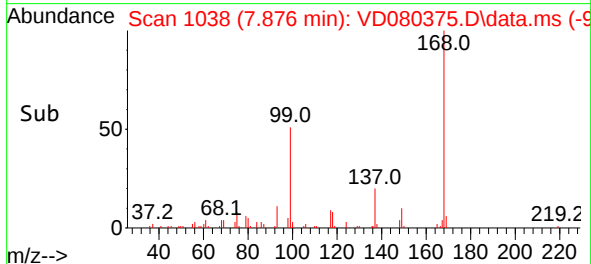
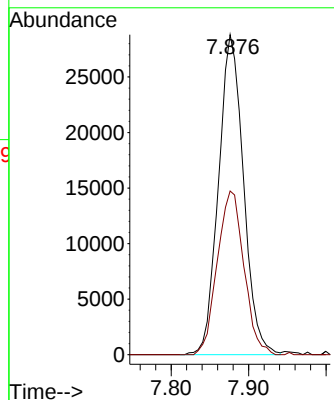
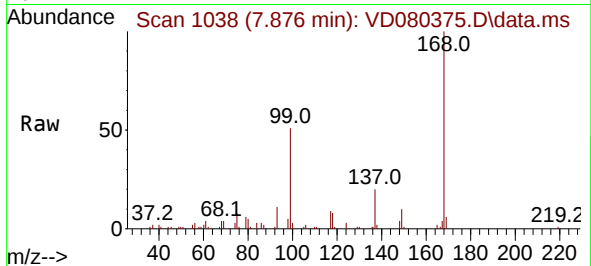




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

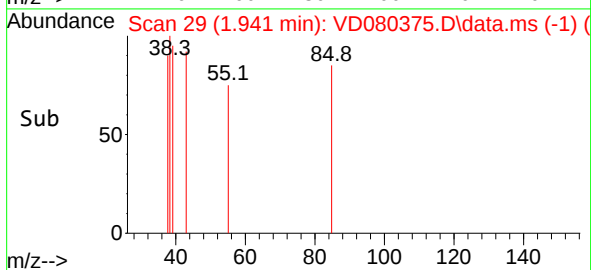
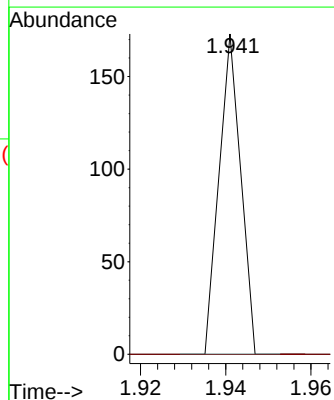
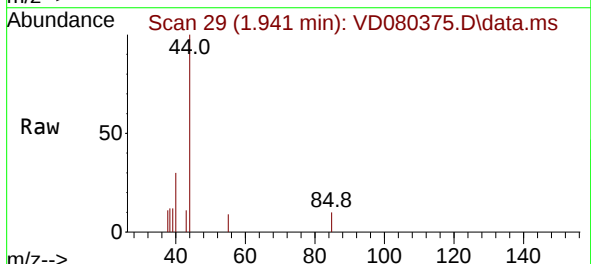
Instrument :
MSVOA_D
ClientSampleId :
GVD13

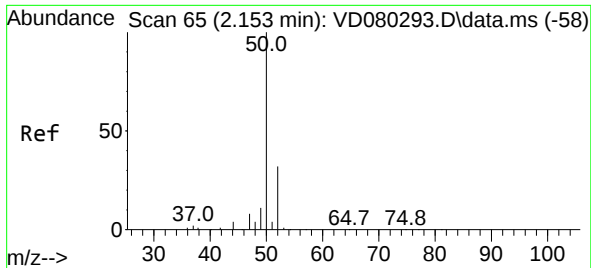
Tgt Ion:168 Resp: 64588
Ion Ratio Lower Upper
168 100
99 51.2 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.941 min Scan# 29
Delta R.T. 0.007 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

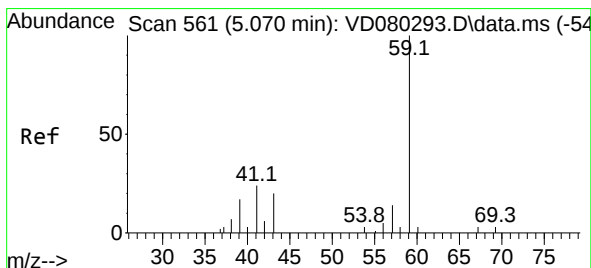
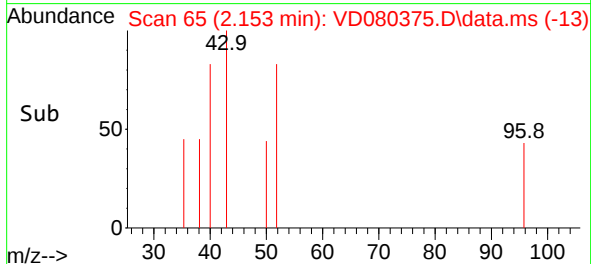
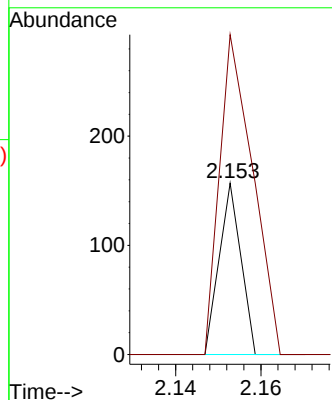
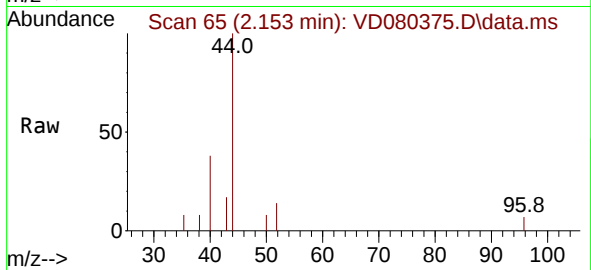




#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

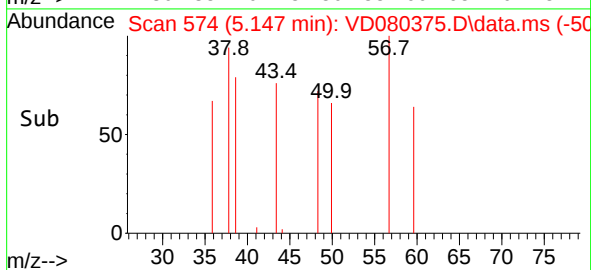
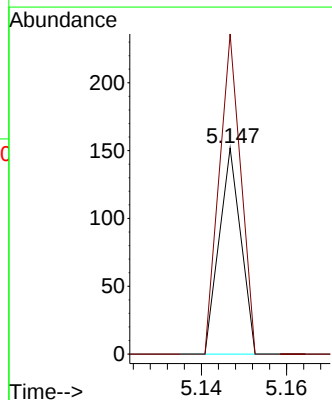
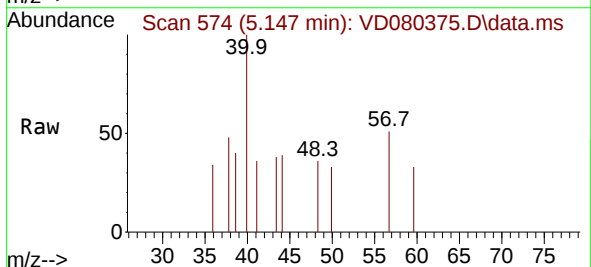
Instrument :
MSVOA_D
ClientSampleId :
GVD13

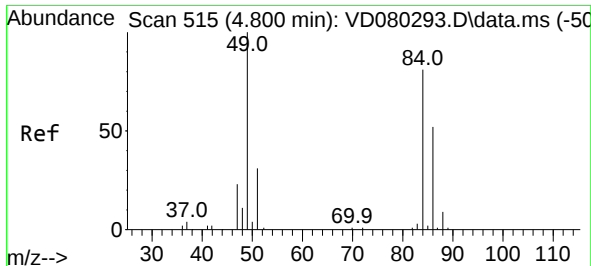
Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 186.6 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.065 ug/l
RT: 5.147 min Scan# 574
Delta R.T. 0.089 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 153.7 4.8 7.2#

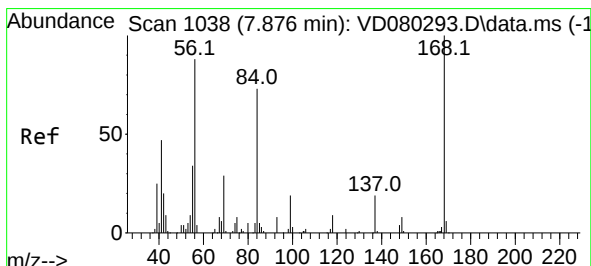
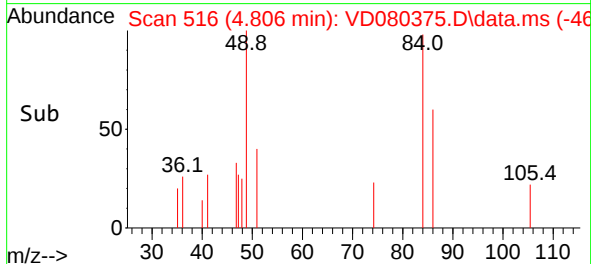
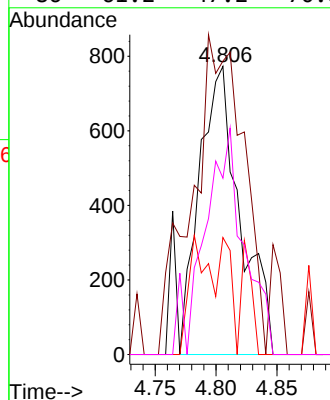
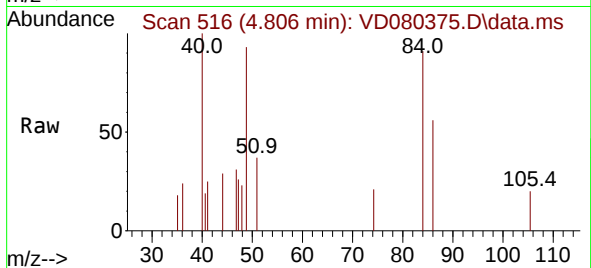




#20
Methylene Chloride
Concen: Below Cal
RT: 4.806 min Scan# 515
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

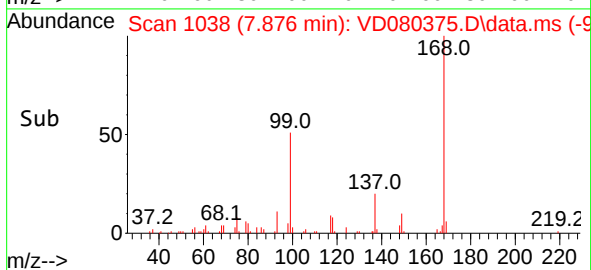
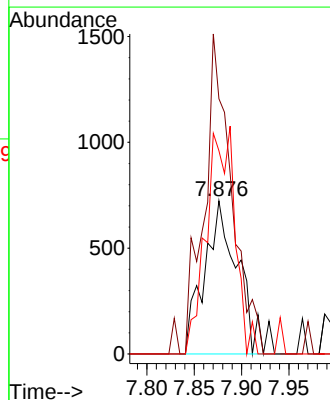
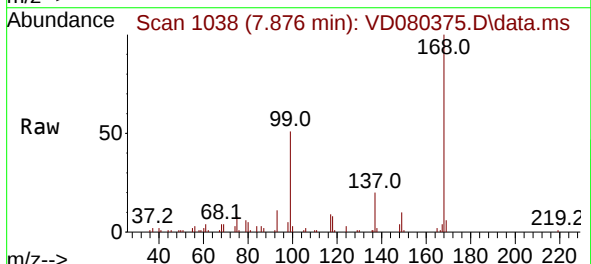
Instrument :
MSVOA_D
ClientSampleId :
GVD13

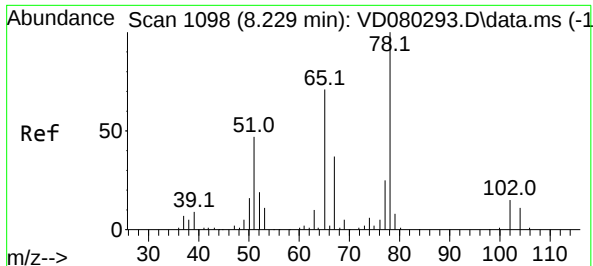
Tgt Ion:	84	Resp:	1801
Ion	Ratio	Lower	Upper
84	100		
49	73.5	86.5	129.7#
51	40.6	26.9	40.3#
86	61.2	47.2	70.8



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion:	56	Resp:	1806
Ion	Ratio	Lower	Upper
56	100		
69	166.6	27.3	40.9#
84	132.6	70.2	105.4#

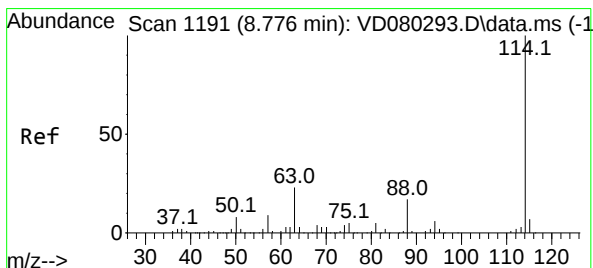
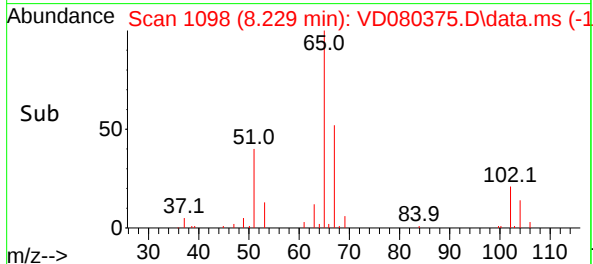
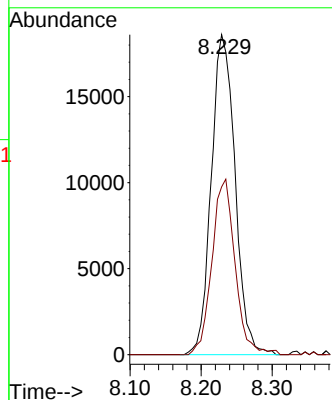
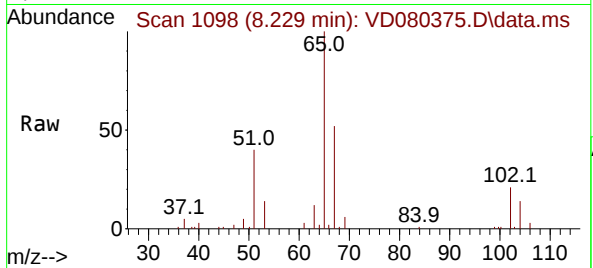




#33
 1,2-Dichloroethane-d4
 Concen: 51.856 ug/l
 RT: 8.229 min Scan# 1098
 Delta R.T. 0.001 min
 Lab File: VD080375.D
 Acq: 16 May 2025 16:52

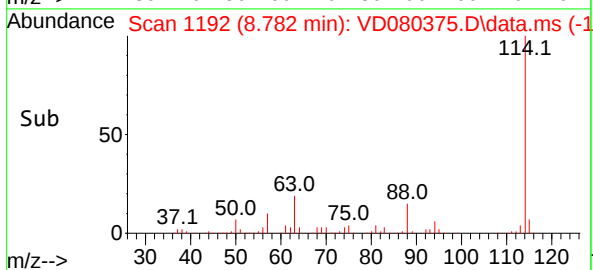
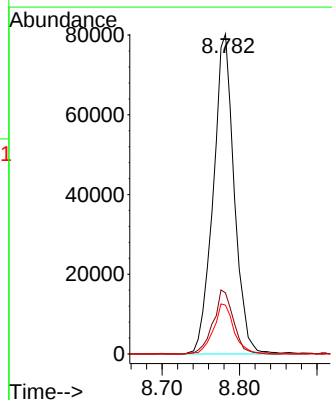
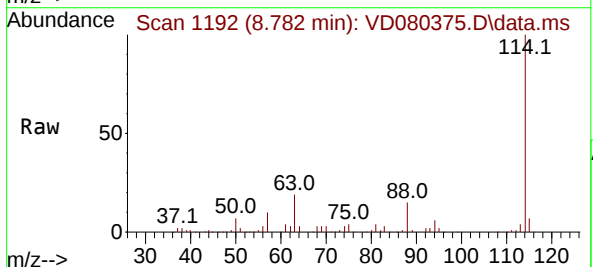
Instrument :
 MSVOA_D
 ClientSampleId :
 GVD13

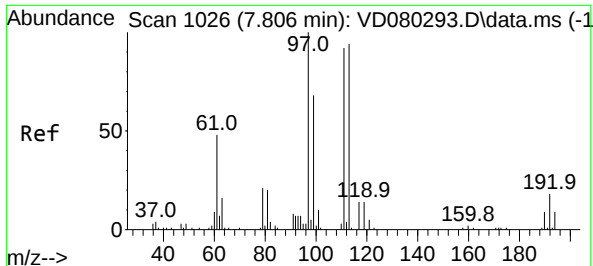
Tgt Ion: 65 Resp: 43312
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.782 min Scan# 1192
 Delta R.T. 0.007 min
 Lab File: VD080375.D
 Acq: 16 May 2025 16:52

Tgt Ion: 114 Resp: 150608
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 42.008 ug/l

RT: 7.805 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VD080375.D

Acq: 16 May 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

GVD13

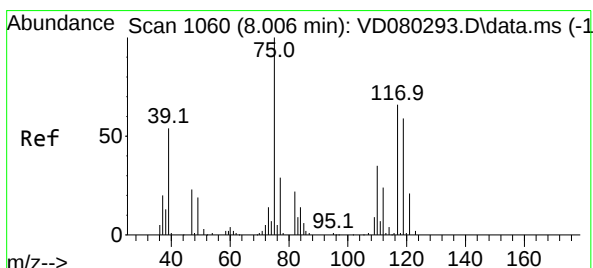
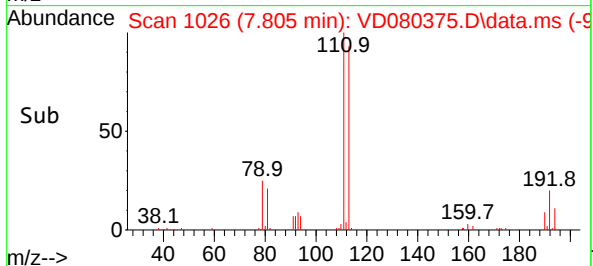
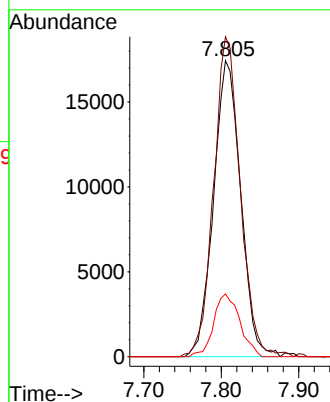
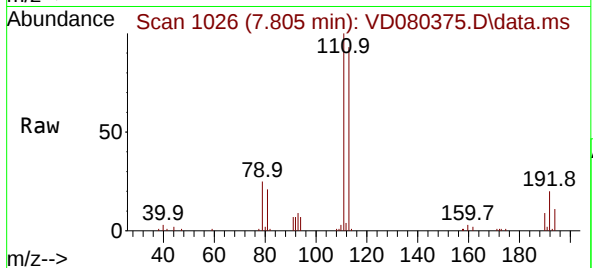
Tgt Ion:113 Resp: 42404

Ion Ratio Lower Upper

113 100

111 106.0 82.5 123.7

192 20.4 16.6 25.0



#36

1,1-Dichloropropene

Concen: 3.902 ug/l

RT: 7.864 min Scan# 1036

Delta R.T. -0.141 min

Lab File: VD080375.D

Acq: 16 May 2025 16:52

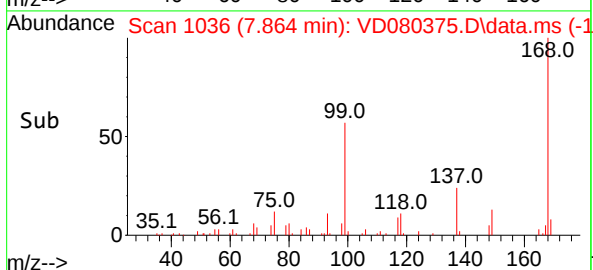
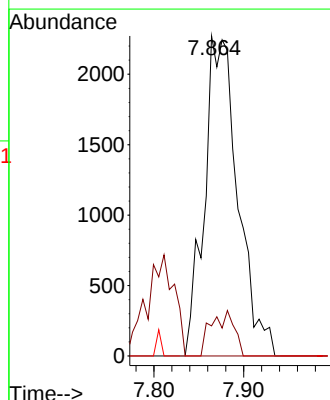
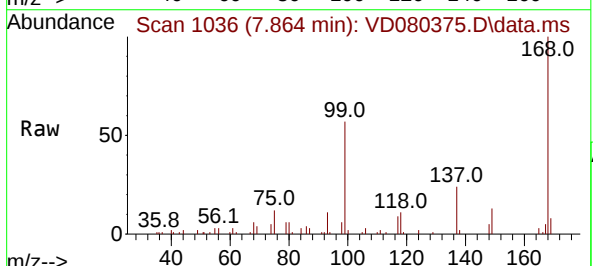
Tgt Ion: 75 Resp: 5887

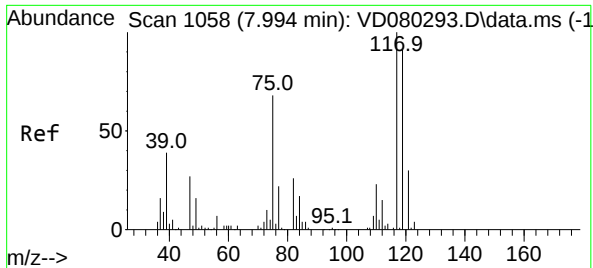
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.0#

77 0.0 25.6 38.4#

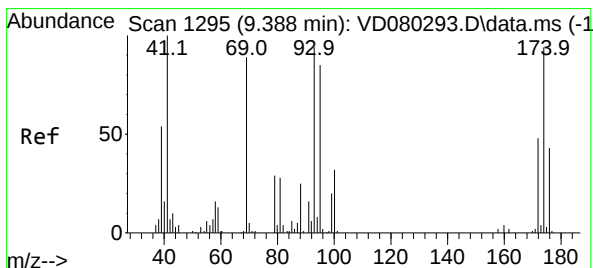
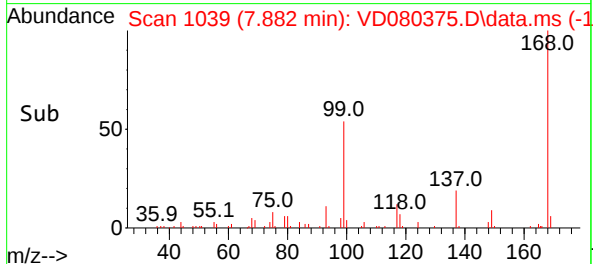
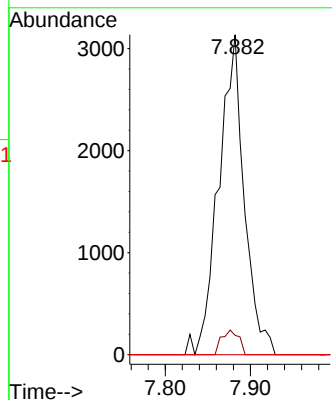
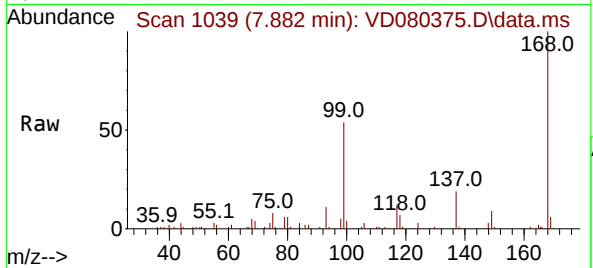




#38
Carbon Tetrachloride
Concen: 4.156 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. -0.105 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

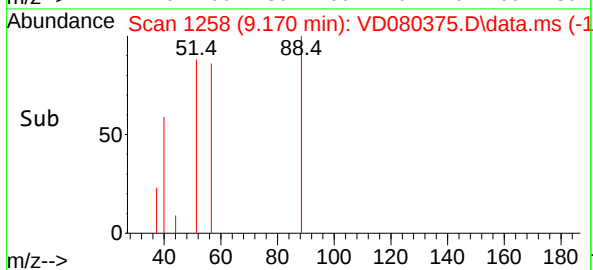
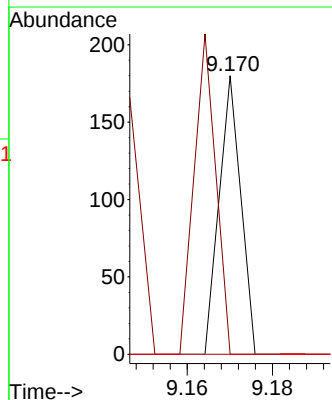
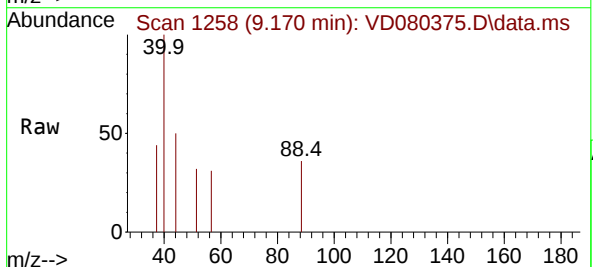
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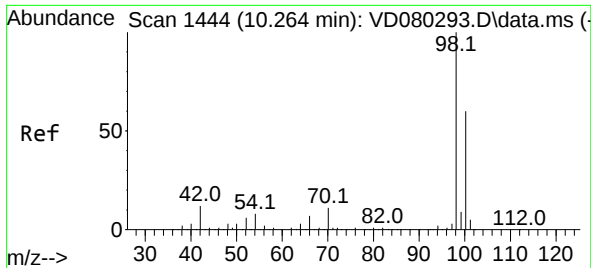
Tgt Ion:117 Resp: 6538
Ion Ratio Lower Upper
117 100
119 6.1 73.4 110.0#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 8.156 ug/l
RT: 9.170 min Scan# 1258
Delta R.T. -0.217 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 114.1 29.1 43.7#
58 0.0 59.9 89.9#

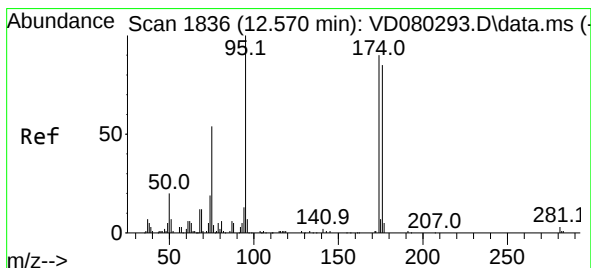
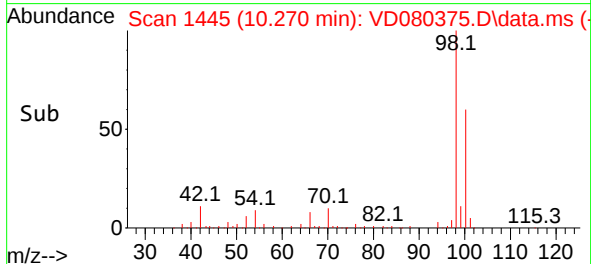
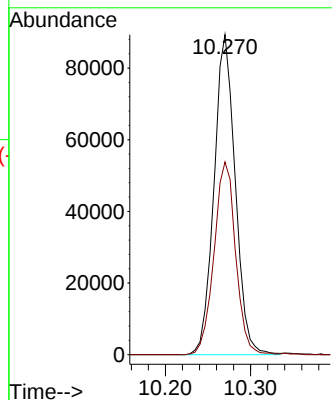
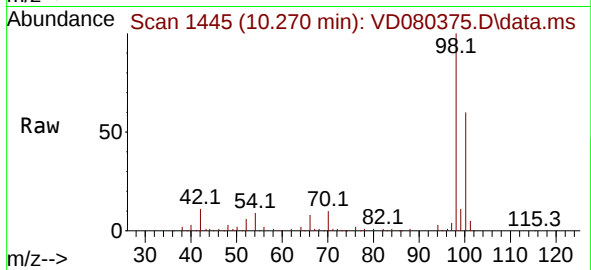




#50
Toluene-d8
Concen: 38.915 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

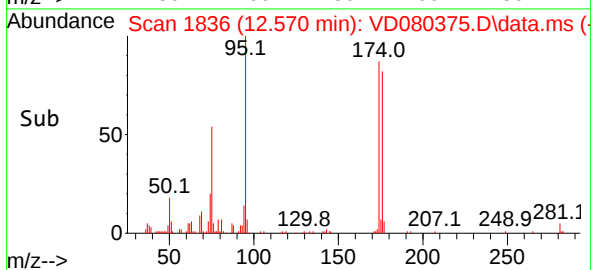
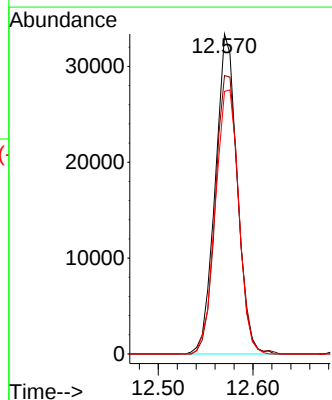
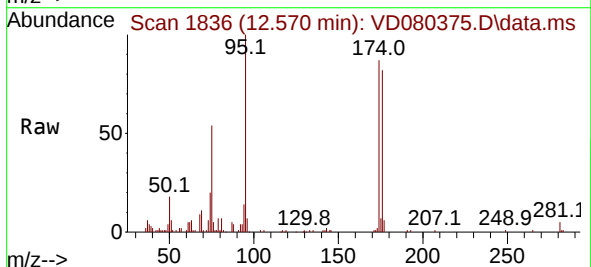
Instrument :
MSVOA_D
ClientSampleId :
GVD13

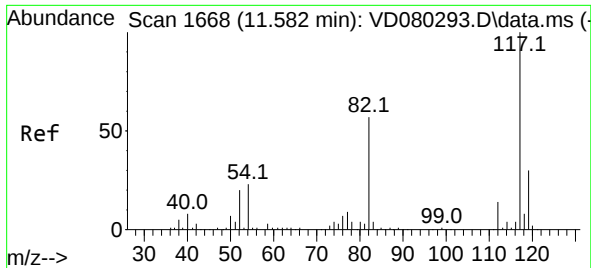
Tgt Ion: 98 Resp: 154774
Ion Ratio Lower Upper
98 100
100 61.2 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 42.082 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion: 95 Resp: 53721
Ion Ratio Lower Upper
95 100
174 91.4 0.0 173.4
176 88.2 0.0 166.6

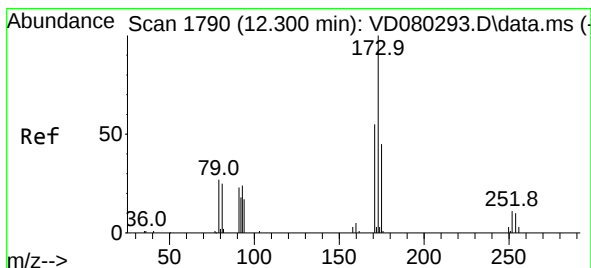
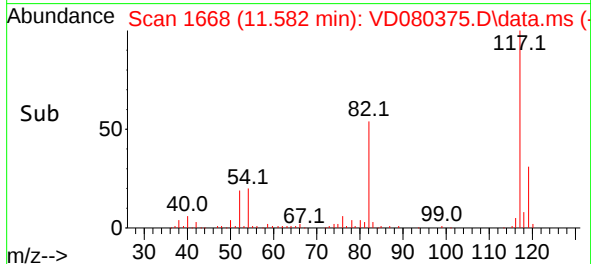
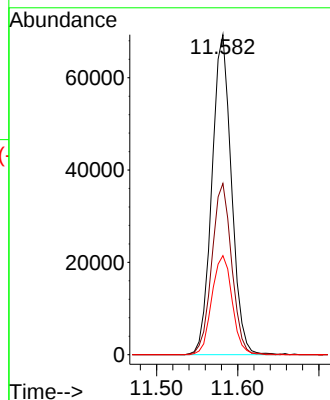
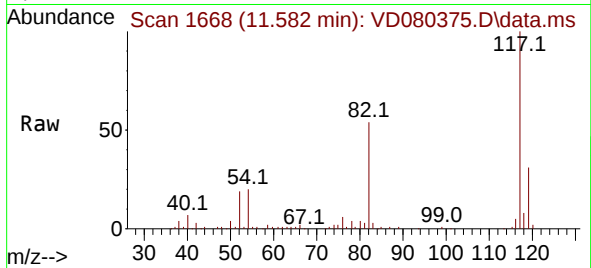




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 115858
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

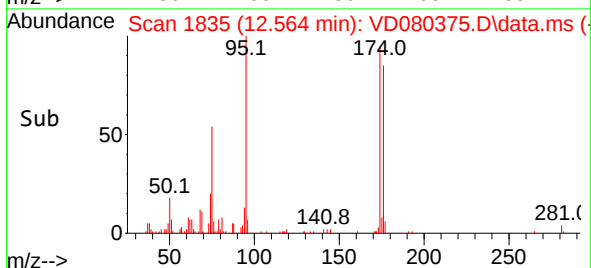
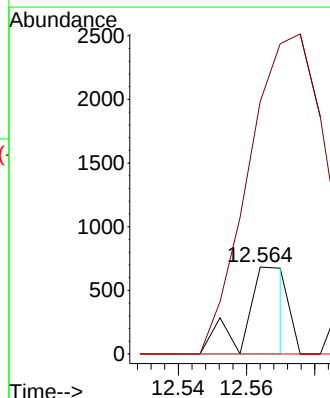
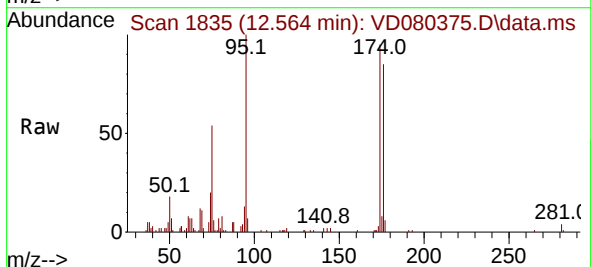
Instrument :
MSVOA_D
ClientSampleId :
GVD13

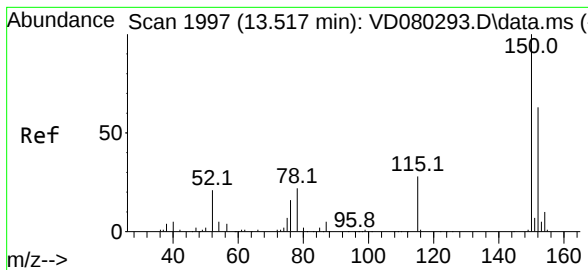
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.8	68.6
119	30.9	26.2	39.2



#71
Bromoform
Concen: 1.084 ug/l
RT: 12.564 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.8	74.3#
254	0.0	0.0	0.0

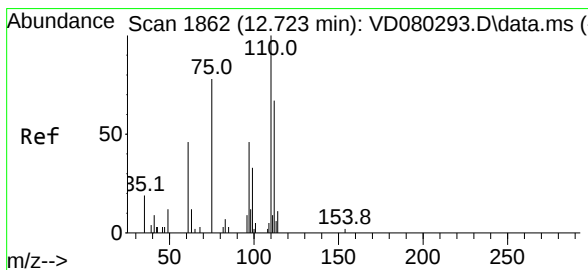
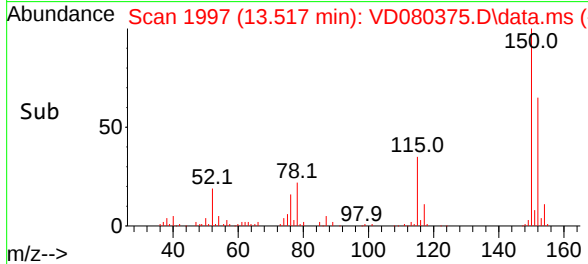
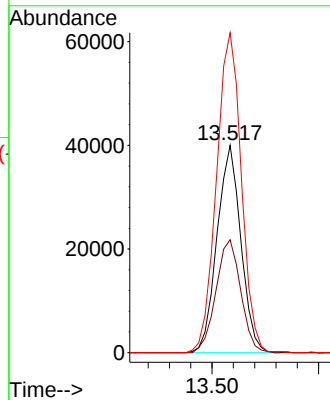
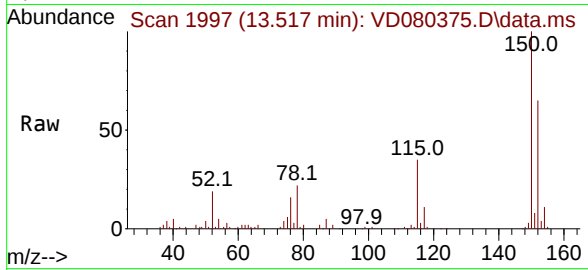




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080375.D
 Acq: 16 May 2025 16:52

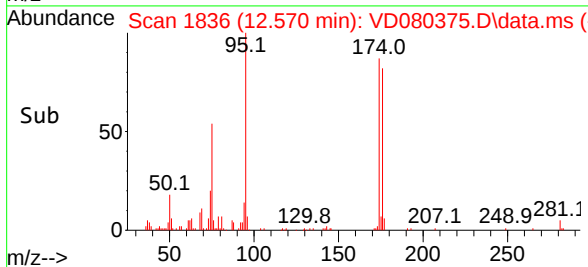
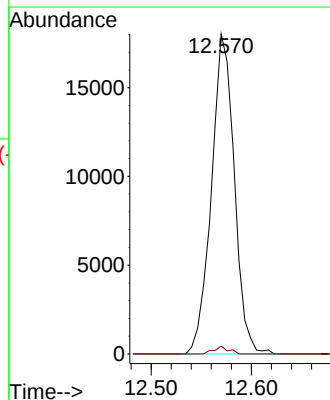
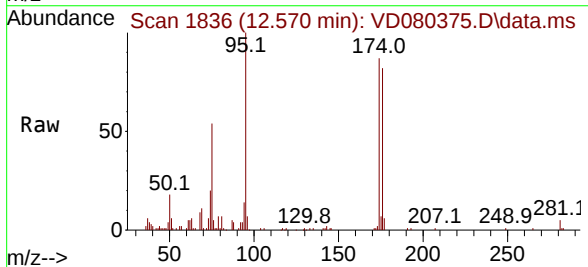
Instrument :
 MSVOA_D
 ClientSampleId :
 GVD13

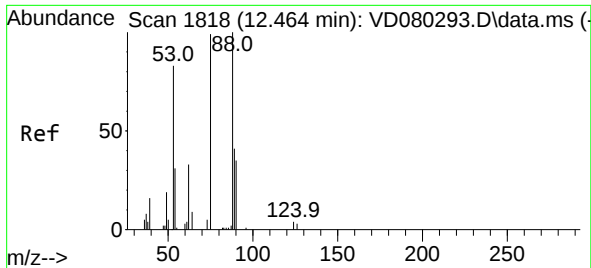
Tgt Ion:152 Resp: 62040
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.9 86.8
 150 161.0 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 47.673 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080375.D
 Acq: 16 May 2025 16:52

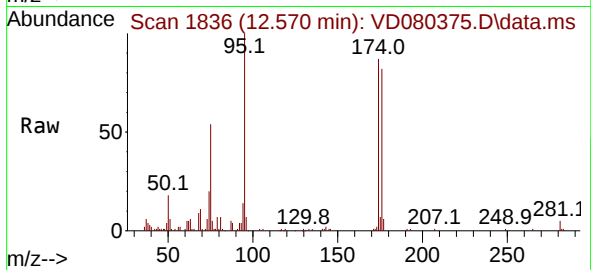
Tgt Ion: 75 Resp: 28545
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 90.491 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Instrument :
MSVOA_D
ClientSampleId :
GVD13



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.5	68.7	103.1#
89	0.0	36.1	54.1#

