

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080325.D
 Acq On : 14 May 2025 16:32
 Operator : RP/MD
 Sample : Q2022-04
 Misc : 5.09G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: May 15 03:36:58 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)

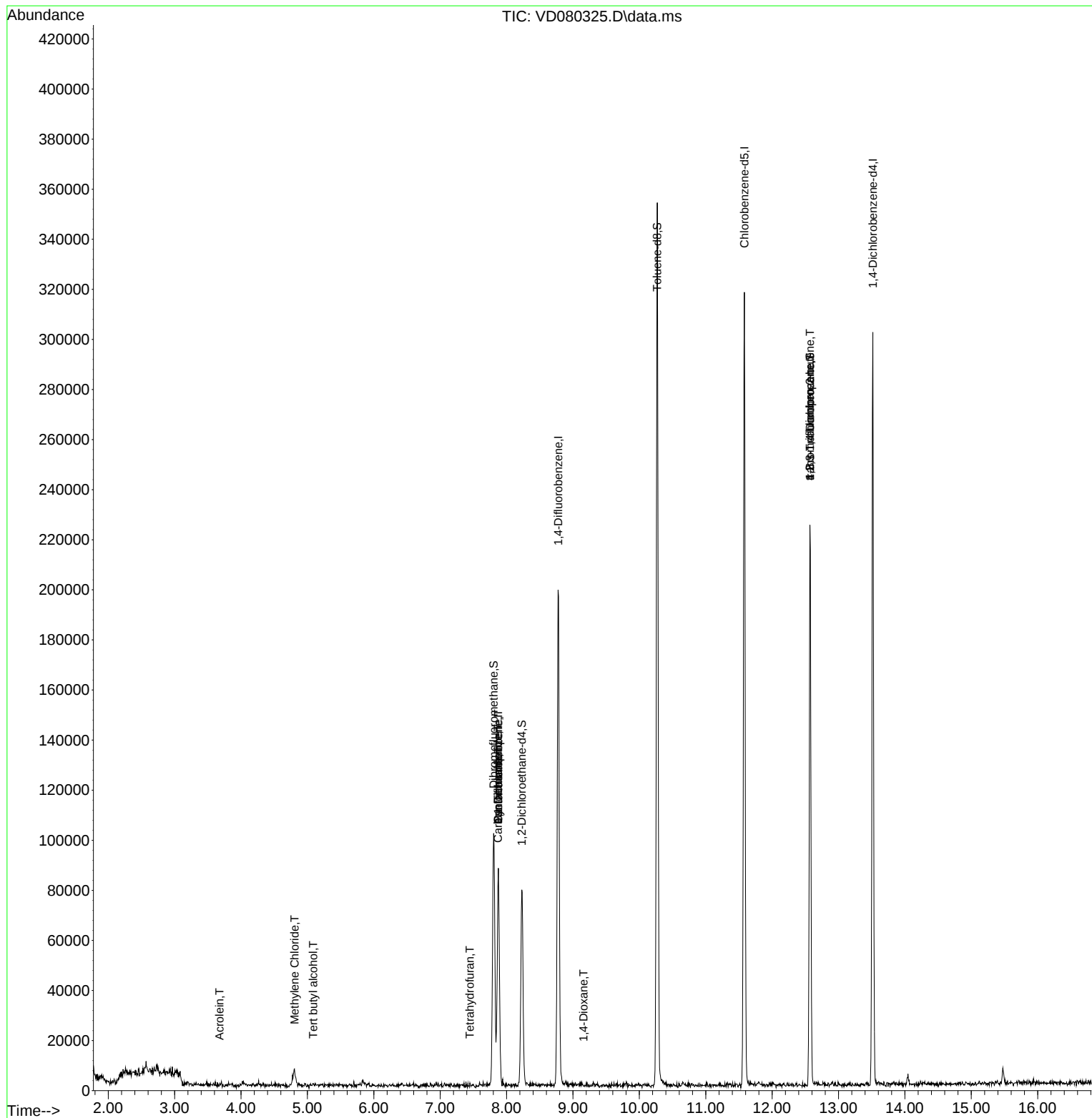
Internal Standards						
1) Pentafluorobenzene	7.876	168	64062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	169720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	177657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	80699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	63571	76.737	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.480%	
35) Dibromofluoromethane	7.806	113	72906	64.092	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.180%	
50) Toluene-d8	10.270	98	239629	53.465	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.920%	
62) 4-Bromofluorobenzene	12.570	95	69580	48.367	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.153	50	318	Below Cal	#	1
11) Tert butyl alcohol	5.088	59	56	1.114	ug/l #	82
13) Acrolein	3.676	56	103	1.165	ug/l #	1
16) Acetone	4.029	43	1825	Below Cal		96
20) Methylene Chloride	4.806	84	4406	1.249	ug/l	87
29) Tetrahydrofuran	7.447	42	191	1.285	ug/l #	55
31) Cyclohexane	7.876	56	1711	1.271	ug/l #	1
36) 1,1-Dichloropropene	7.876	75	5835	3.432	ug/l #	46
38) Carbon Tetrachloride	7.870	117	6285	3.545	ug/l #	14
49) 1,4-Dioxane	9.158	88	74	8.368	ug/l #	78
76) 1,2,3-Trichloropropane	12.570	75	34871	44.772	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	34871	84.985	ug/l #	15

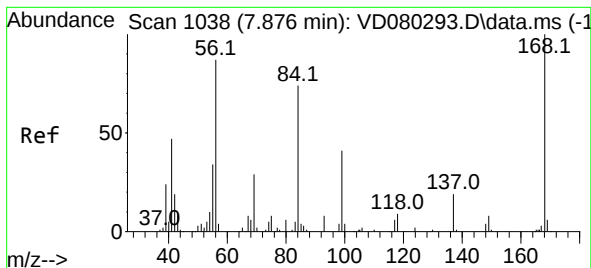
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 03:36:58 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

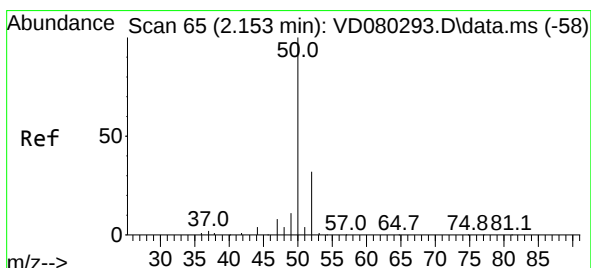
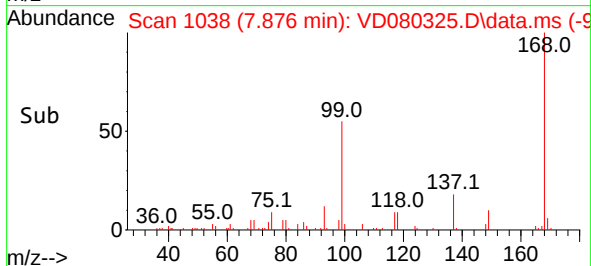
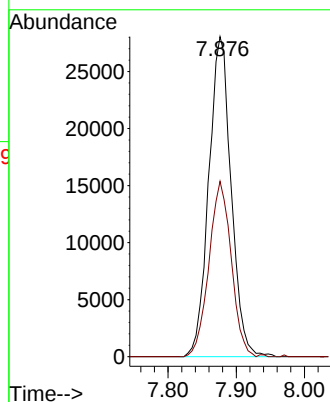
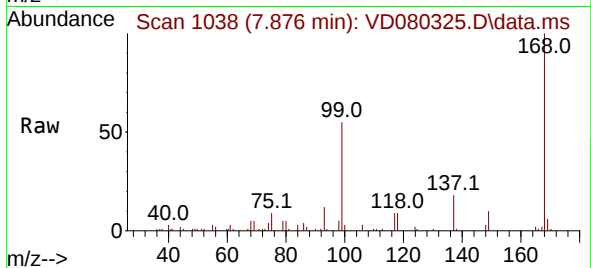




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

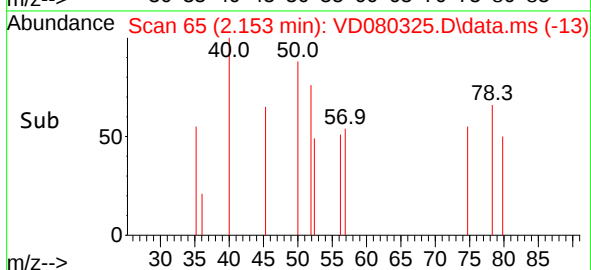
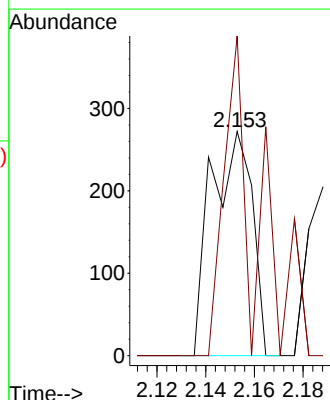
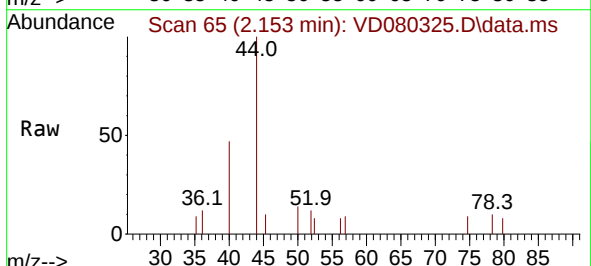
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

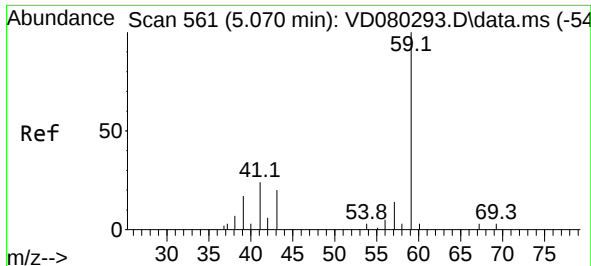
Tgt Ion:168 Resp: 64062
Ion Ratio Lower Upper
168 100
99 54.8 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 65
Delta R.T. 0.007 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Tgt Ion: 50 Resp: 318
Ion Ratio Lower Upper
50 100
52 142.6 28.8 43.2#

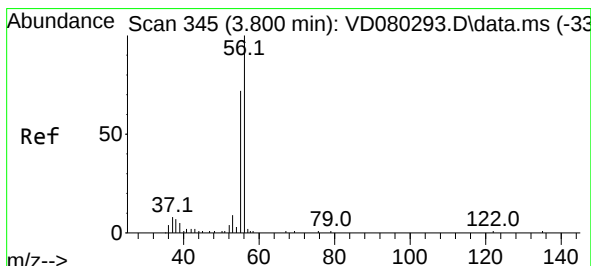
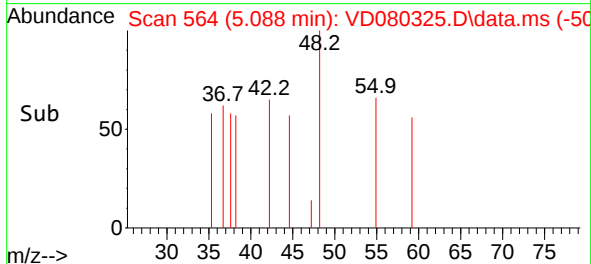
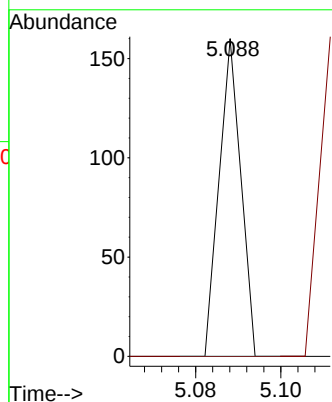
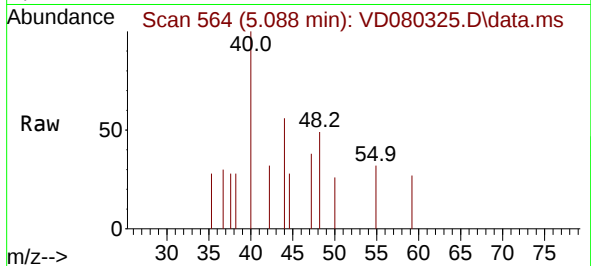




#11
Tert butyl alcohol
Concen: 1.114 ug/l
RT: 5.088 min Scan# 50
Delta R.T. 0.030 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

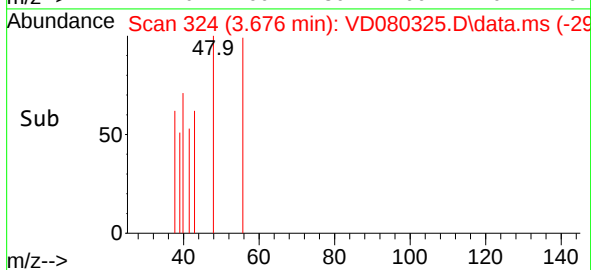
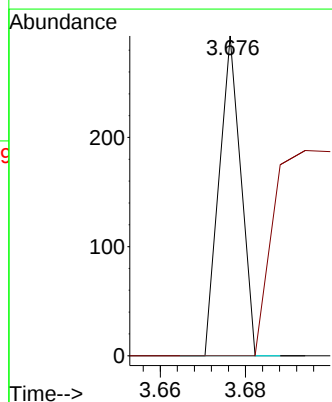
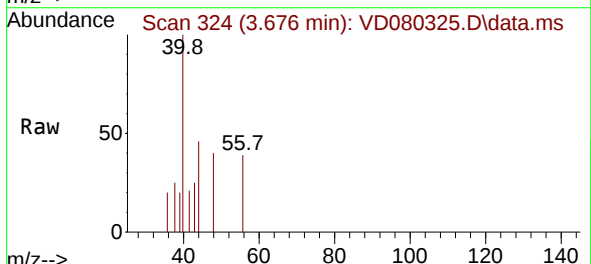
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

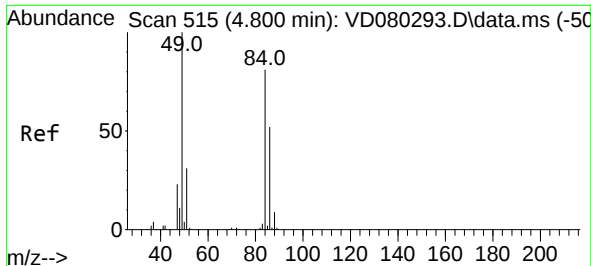
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#



#13
Acrolein
Concen: 1.165 ug/l
RT: 3.676 min Scan# 324
Delta R.T. -0.117 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

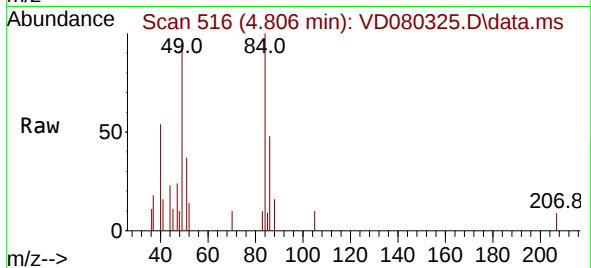
Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 188.3 58.2 87.2#



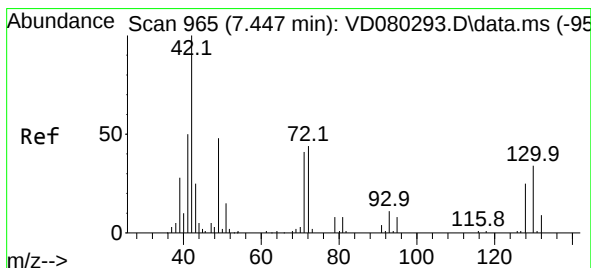
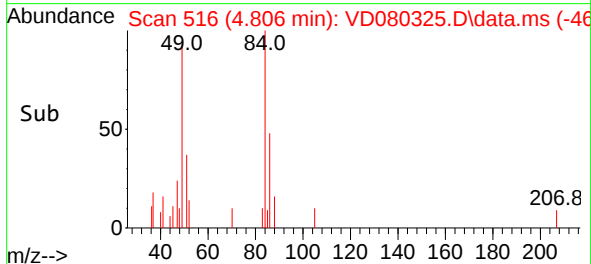
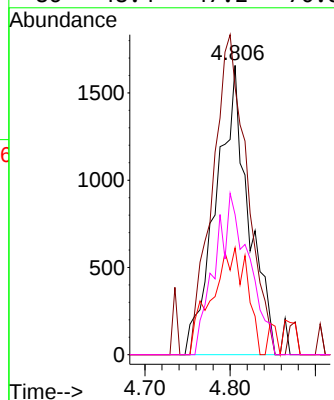


#20
Methylene Chloride
Concen: 1.249 ug/l
RT: 4.806 min Scan# 515
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

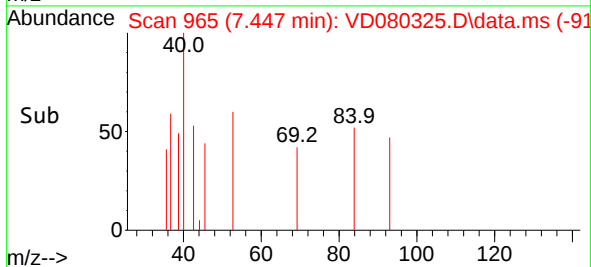
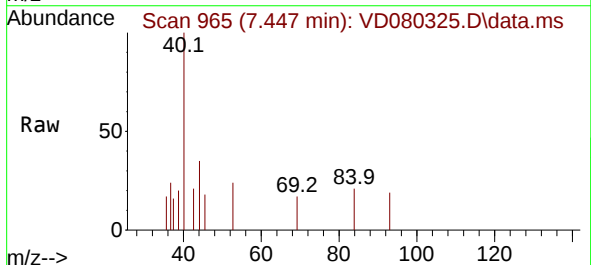
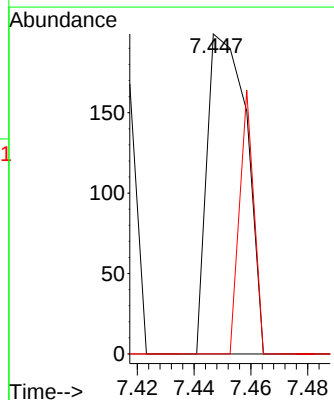


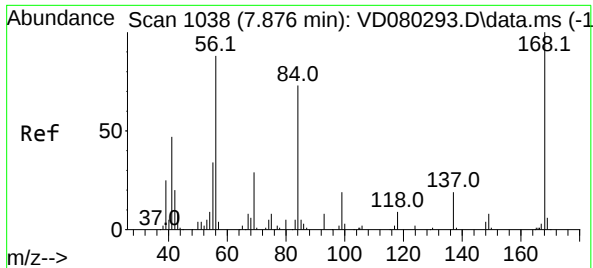
Tgt Ion:	84	Resp:	4406
Ion	Ratio	Lower	Upper
84	100		
49	92.5	86.5	129.7
51	37.0	26.9	40.3
86	48.4	47.2	70.8



#29
Tetrahydrofuran
Concen: 1.285 ug/l
RT: 7.447 min Scan# 965
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Tgt Ion:	42	Resp:	191
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.7	55.1#
71	30.4	34.4	51.6#

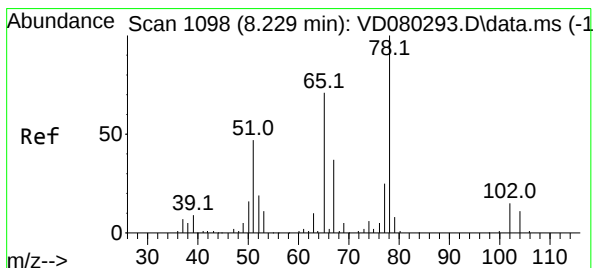
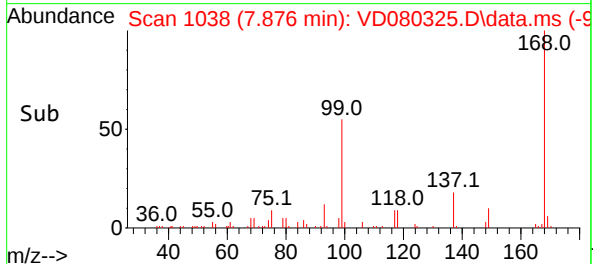
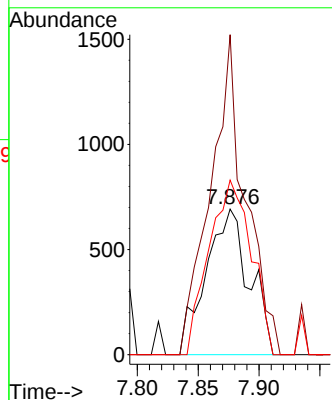
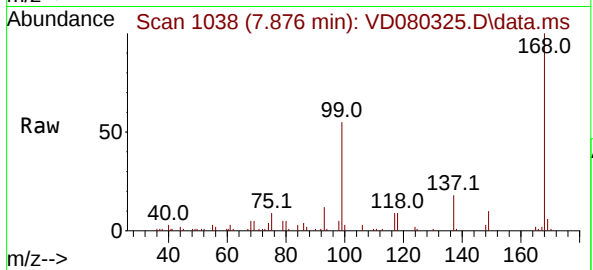




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

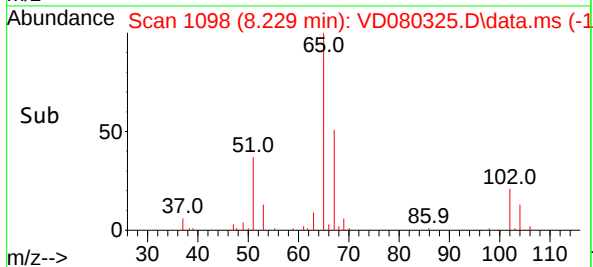
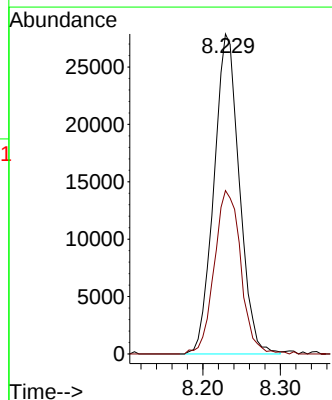
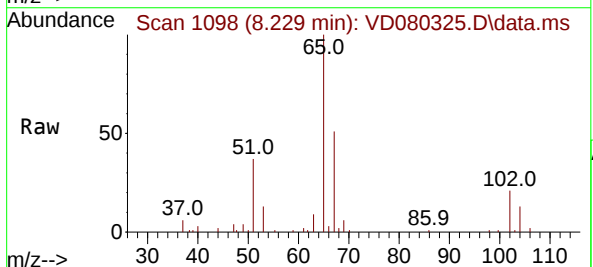
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

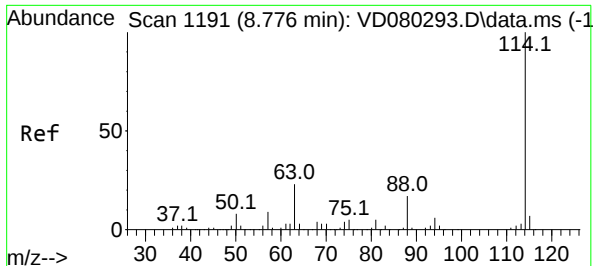
Tgt Ion: 56 Resp: 1711
Ion Ratio Lower Upper
56 100
69 219.9 27.3 40.9#
84 119.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 76.737 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Tgt Ion: 65 Resp: 63571
Ion Ratio Lower Upper
65 100
67 53.2 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: VD080325.D

Acq: 14 May 2025 16:32

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

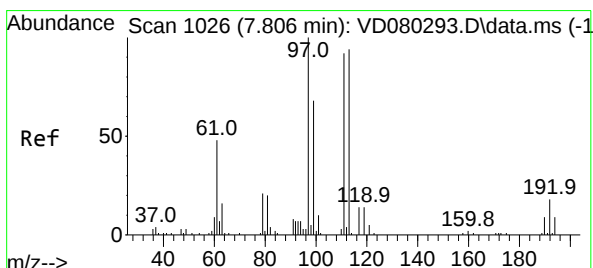
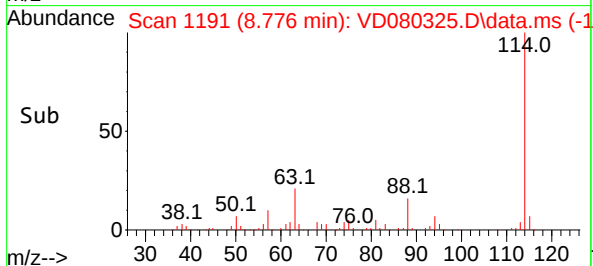
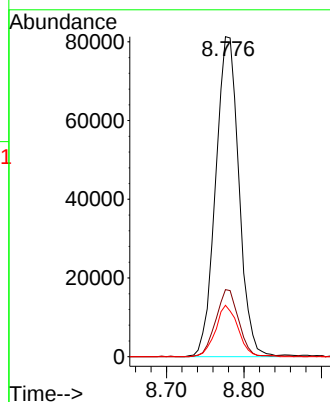
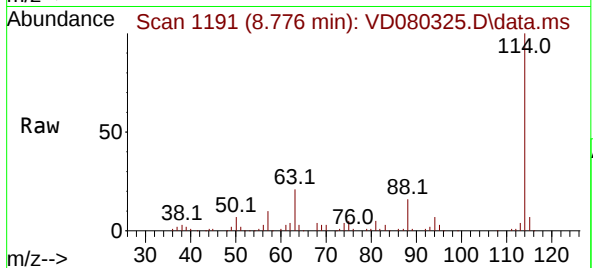
Tgt Ion:114 Resp: 169720

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 64.092 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080325.D

Acq: 14 May 2025 16:32

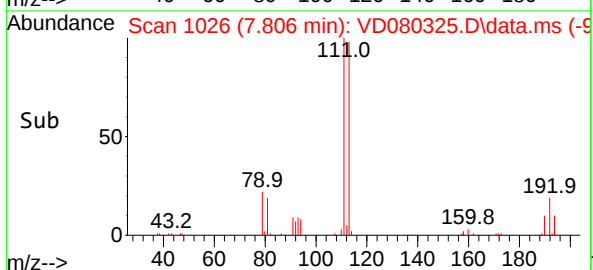
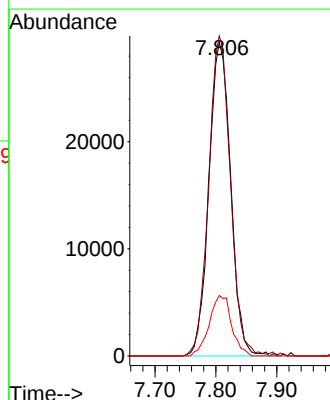
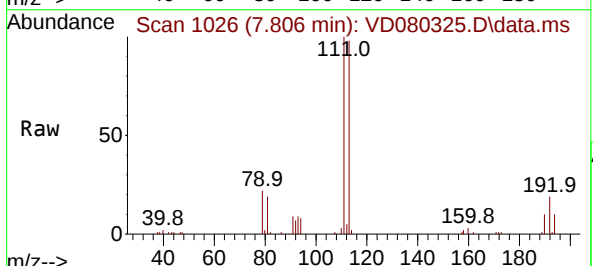
Tgt Ion:113 Resp: 72906

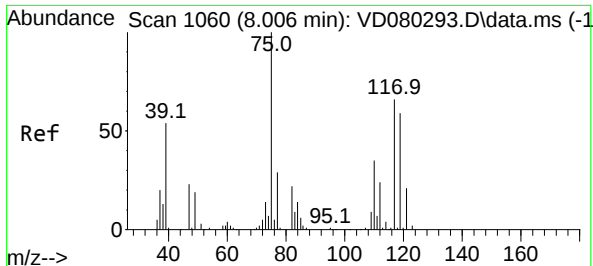
Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

192 19.7 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.432 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080325.D

Acq: 14 May 2025 16:32

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

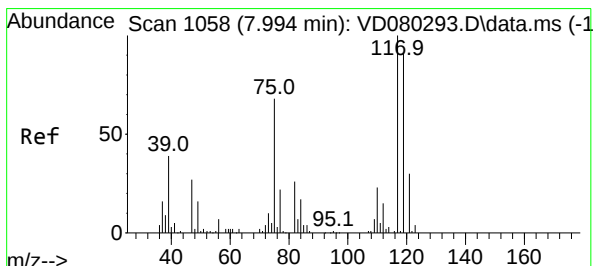
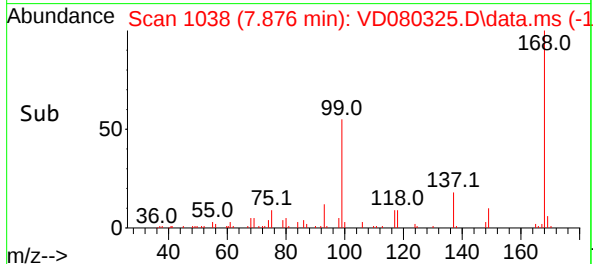
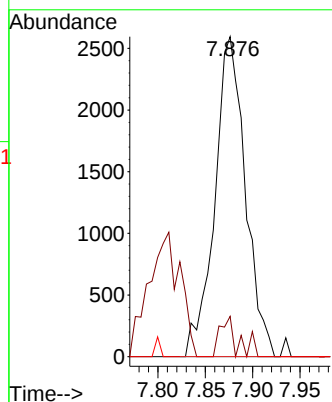
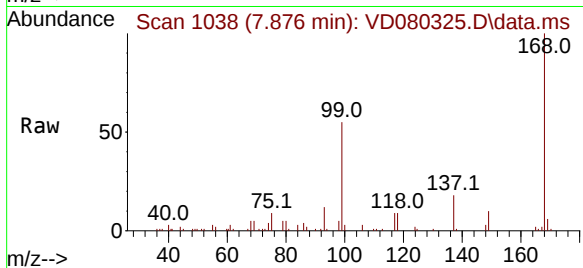
Tgt Ion: 75 Resp: 5835

Ion Ratio Lower Upper

75 100

110 6.0 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.545 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VD080325.D

Acq: 14 May 2025 16:32

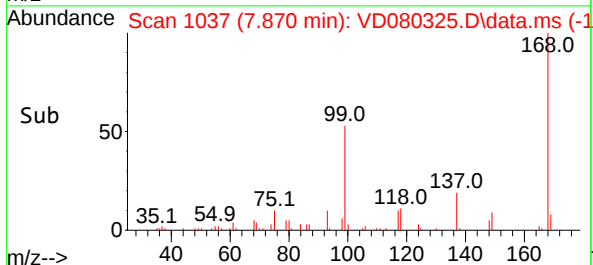
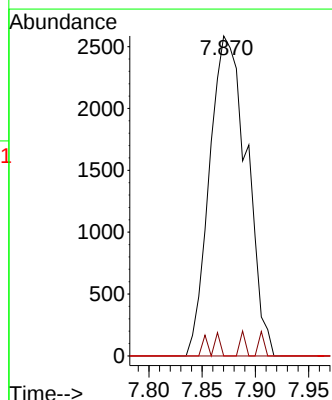
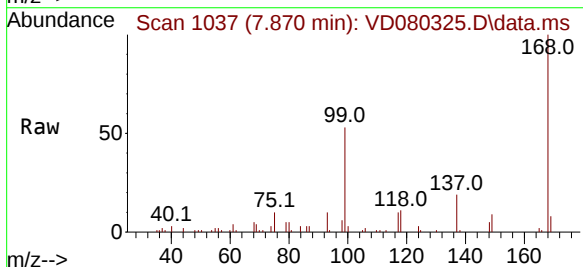
Tgt Ion: 117 Resp: 6285

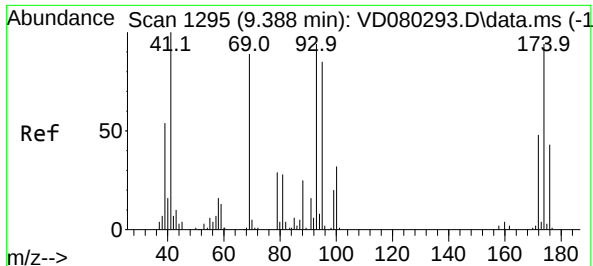
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 8.368 ug/l

RT: 9.158 min Scan# 1256

Delta R.T. -0.229 min

Lab File: VD080325.D

Acq: 14 May 2025 16:32

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

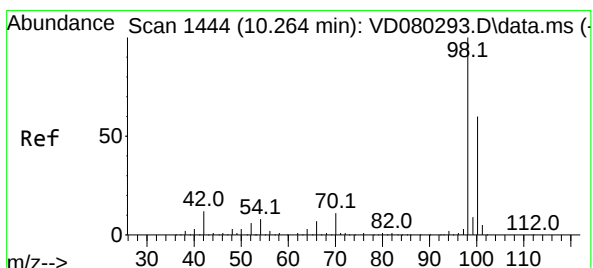
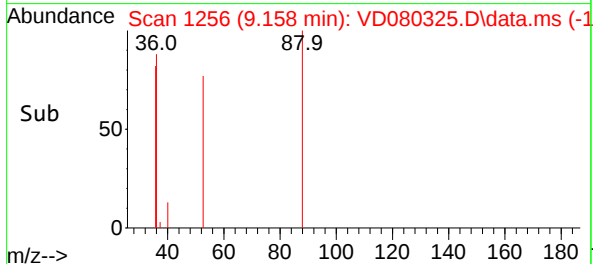
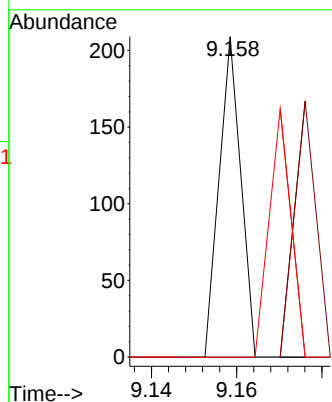
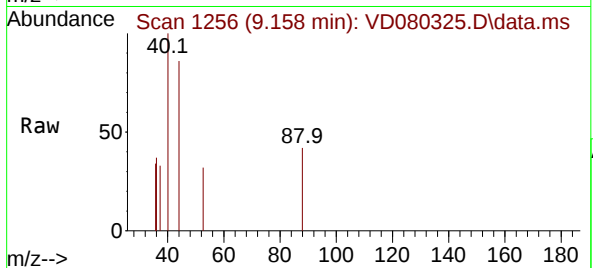
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 29.1 43.7#

58 77.0 59.9 89.9



#50

Toluene-d8

Concen: 53.465 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080325.D

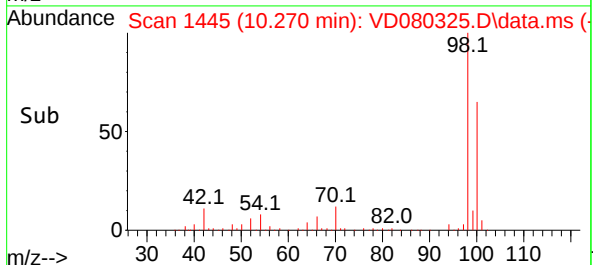
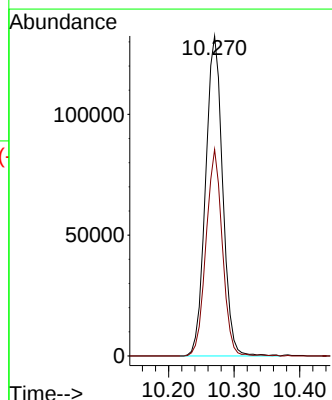
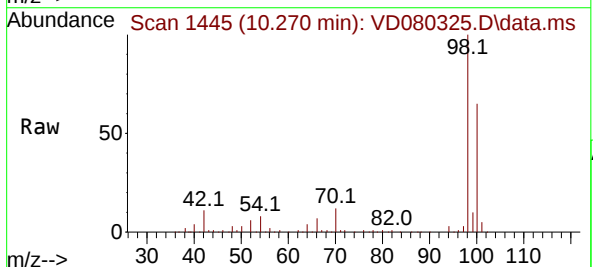
Acq: 14 May 2025 16:32

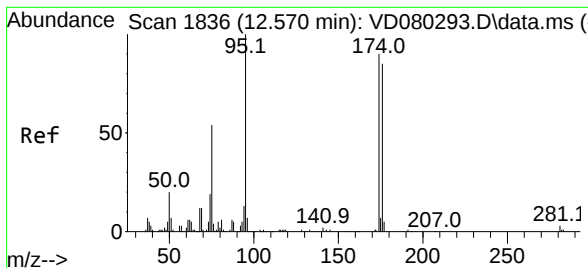
Tgt Ion: 98 Resp: 239629

Ion Ratio Lower Upper

98 100

100 61.6 50.2 75.4

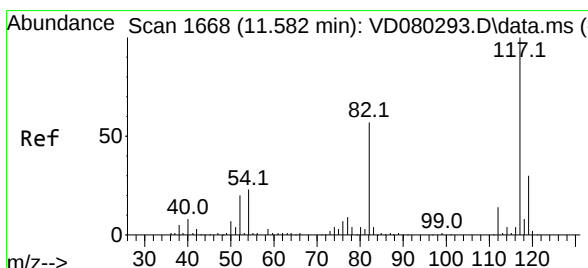
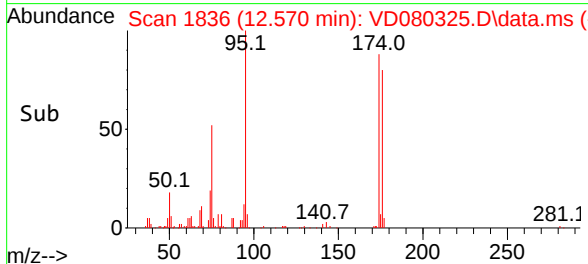
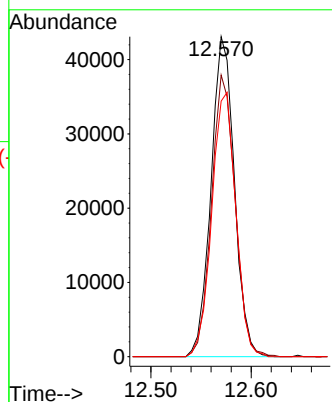
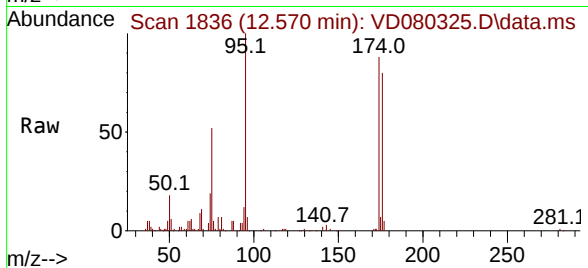




#62
4-Bromofluorobenzene
Concen: 48.367 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

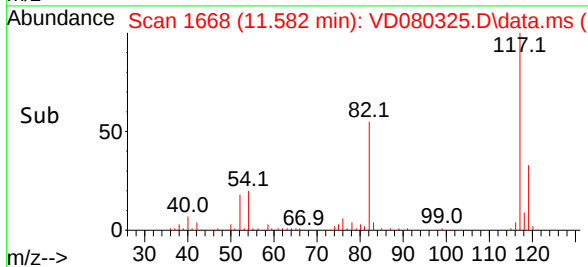
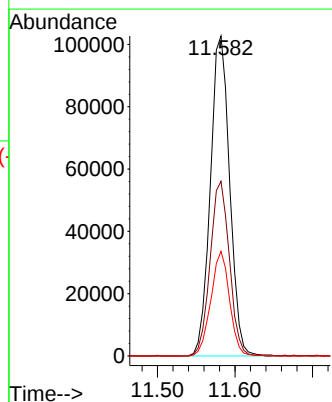
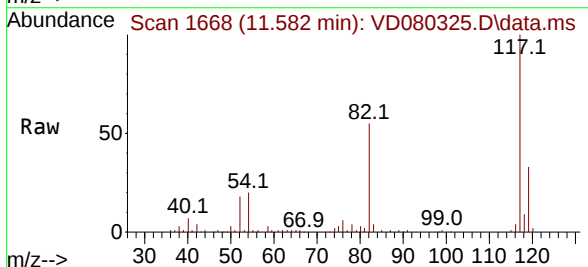
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

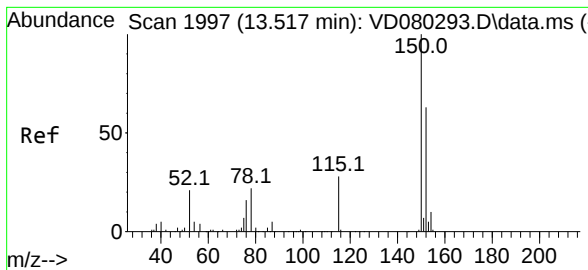
Tgt Ion: 95 Resp: 69580
Ion Ratio Lower Upper
95 100
174 89.0 0.0 173.4
176 85.1 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Tgt Ion: 117 Resp: 177657
Ion Ratio Lower Upper
117 100
82 54.6 45.8 68.6
119 32.7 26.2 39.2

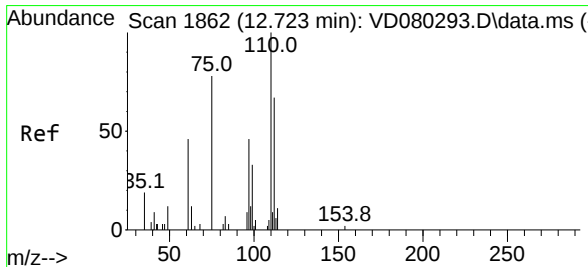
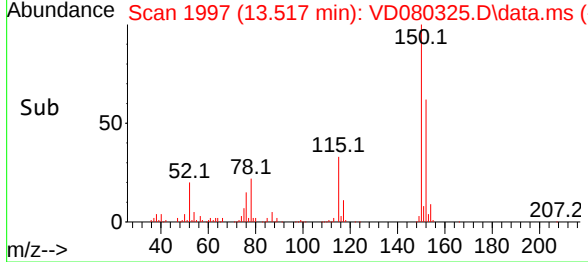
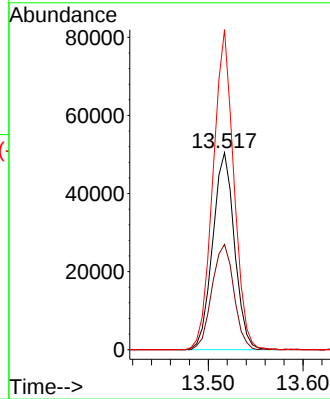
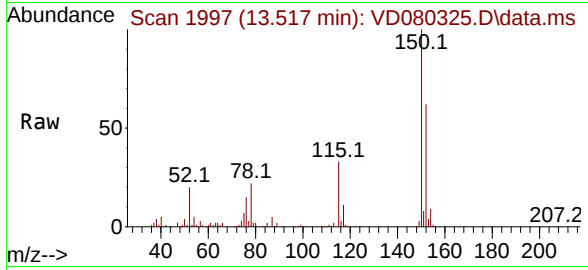




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080325.D
 Acq: 14 May 2025 16:32

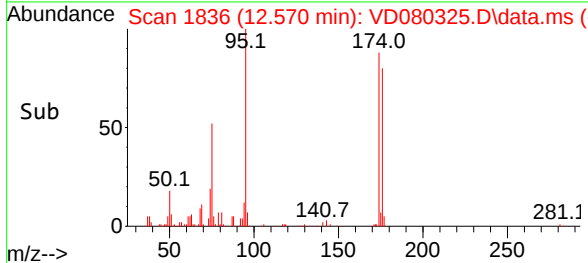
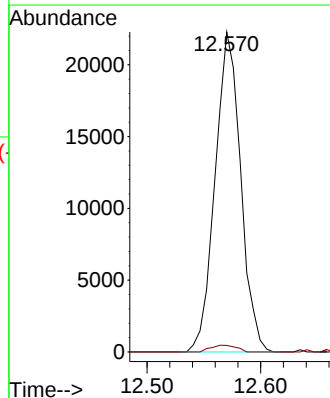
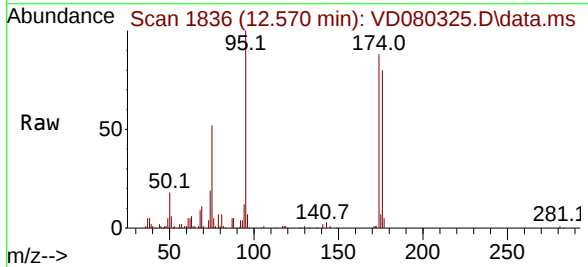
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

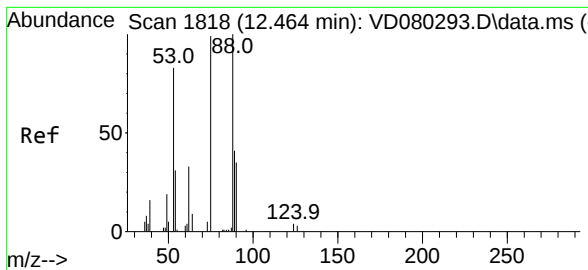
Tgt Ion:152 Resp: 80699
 Ion Ratio Lower Upper
 152 100
 115 53.9 28.9 86.8
 150 155.0 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 44.772 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080325.D
 Acq: 14 May 2025 16:32

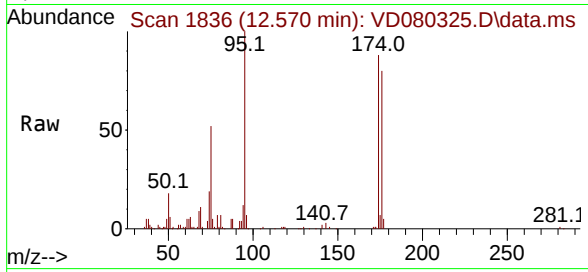
Tgt Ion: 75 Resp: 34871
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.985 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Instrument :
MSVOA_D
ClientSampleId :
COMP-2



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

