

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080309.D
 Acq On : 13 May 2025 18:46
 Operator : RP/MD
 Sample : Q2004-03
 Misc : 4.41G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2811

Quant Time: May 14 01:35:25 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)

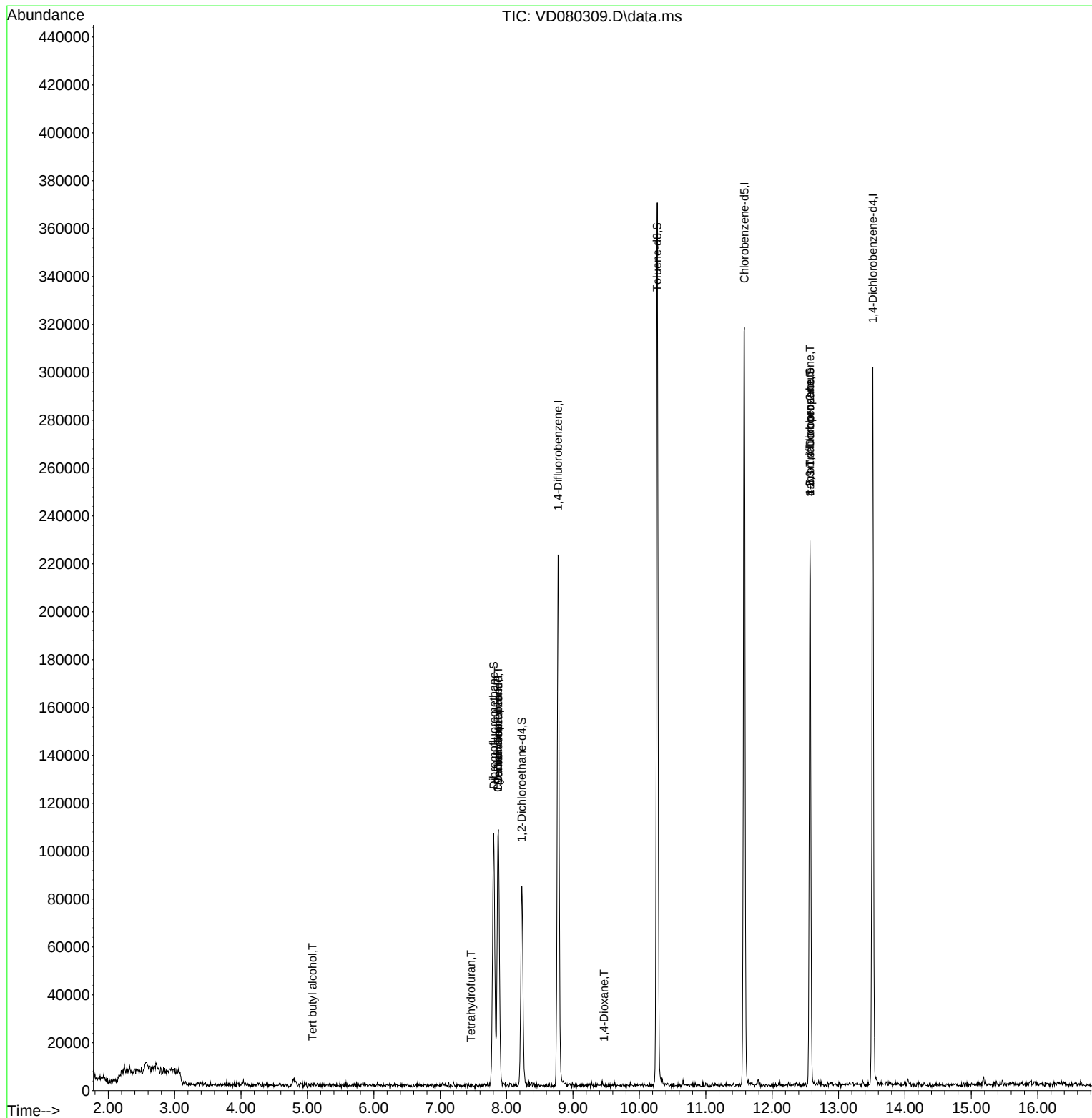
Internal Standards						
1) Pentafluorobenzene	7.876	168	81905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	188476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	177234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	80711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	66615	62.894	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.780%	
35) Dibromofluoromethane	7.805	113	72308	57.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.480%	
50) Toluene-d8	10.270	98	248495	49.926	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.570	95	69327	43.396	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.941	85	60	Below Cal	#	43
3) Chloromethane	2.153	50	293	Below Cal	#	1
11) Tert butyl alcohol	5.076	59	70	1.089	ug/l #	82
16) Acetone	4.035	43	2601	Below Cal	#	81
20) Methylene Chloride	4.788	84	934	Below Cal	#	85
29) Tetrahydrofuran	7.464	42	242	1.274	ug/l #	60
31) Cyclohexane	7.870	56	2437	1.416	ug/l #	30
36) 1,1-Dichloropropene	7.870	75	7167	3.796	ug/l #	48
38) Carbon Tetrachloride	7.876	117	8531	4.333	ug/l #	21
49) 1,4-Dioxane	9.470	88	55	5.600	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	36036	46.261	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	36036	87.812	ug/l #	16

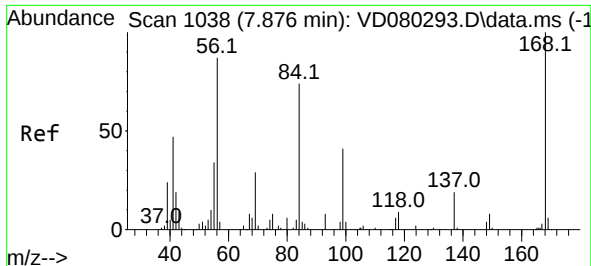
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
Data File : VD080309.D
Acq On : 13 May 2025 18:46
Operator : RP/MD
Sample : Q2004-03
Misc : 4.41G/10ml/MSVOA_D/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
2811

Quant Time: May 14 01:35:25 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

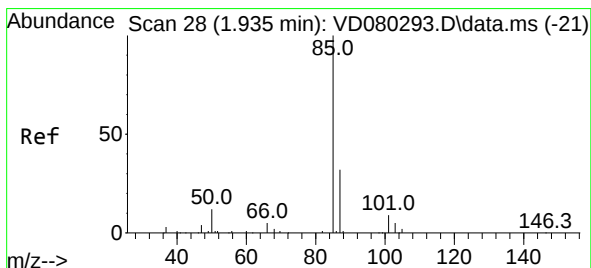
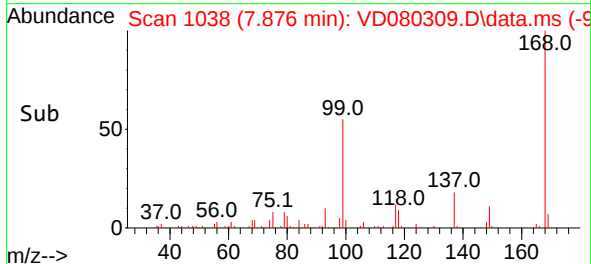
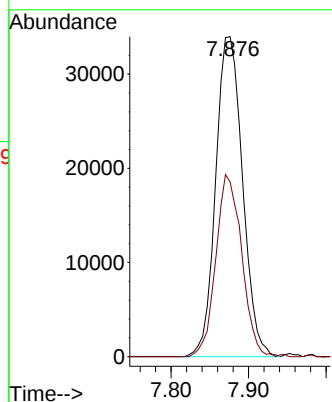
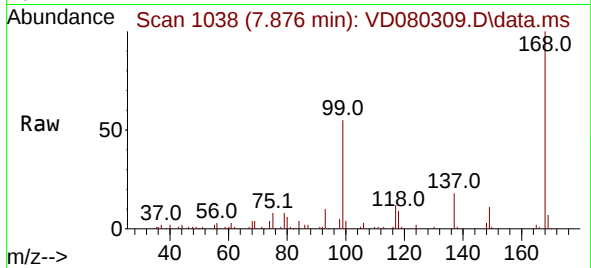




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

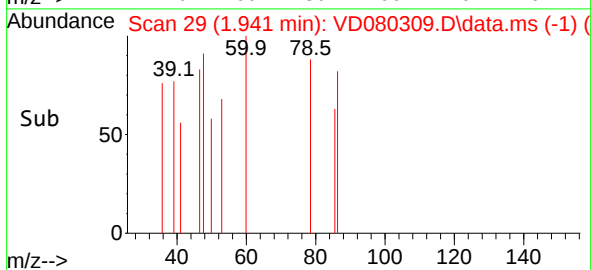
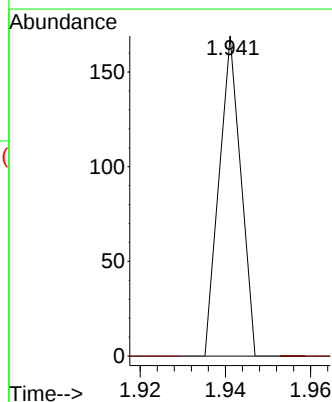
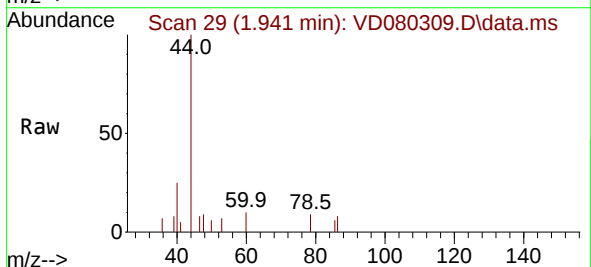
Instrument :
MSVOA_D
ClientSampleId :
2811

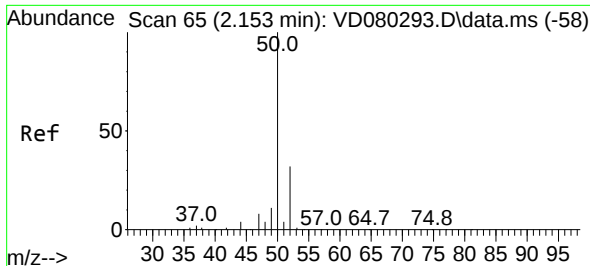
Tgt Ion:168 Resp: 81905
Ion Ratio Lower Upper
168 100
99 54.6 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.941 min Scan# 29
Delta R.T. 0.007 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

Tgt Ion: 85 Resp: 60
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

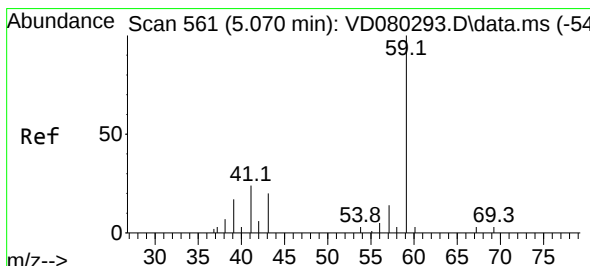
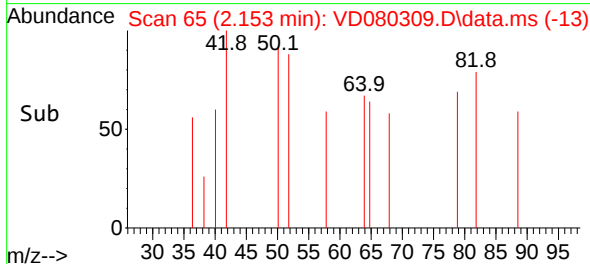
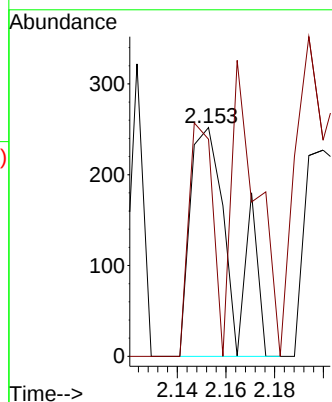
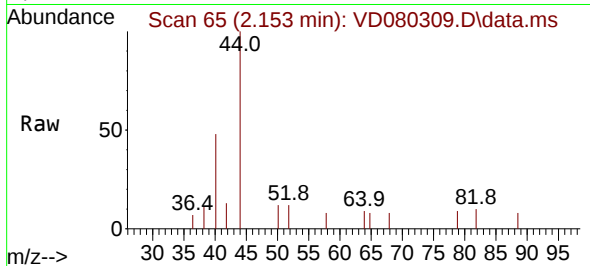




#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

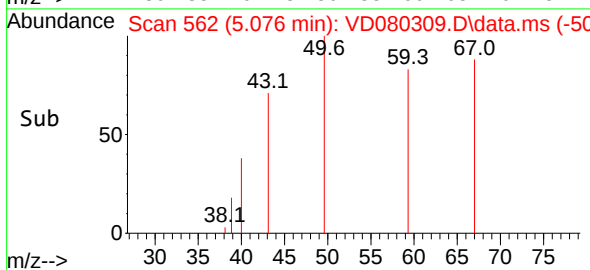
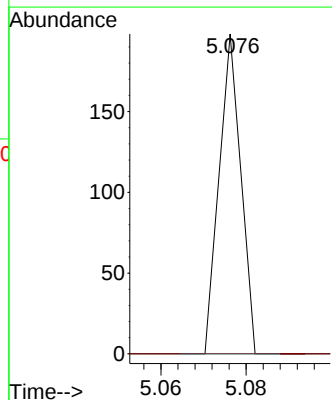
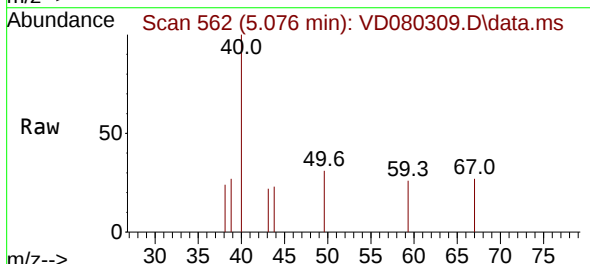
Instrument :
MSVOA_D
ClientSampleId :
2811

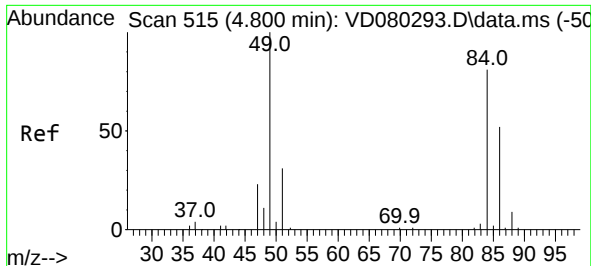
Tgt Ion: 50 Resp: 293
Ion Ratio Lower Upper
50 100
52 94.8 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.089 ug/l
RT: 5.076 min Scan# 562
Delta R.T. 0.018 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

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

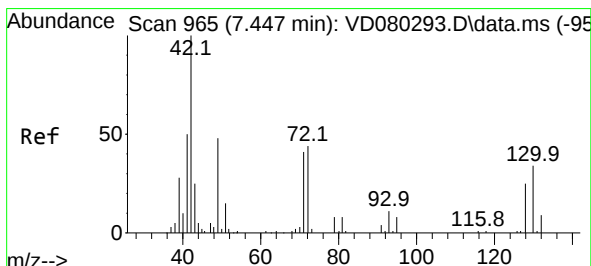
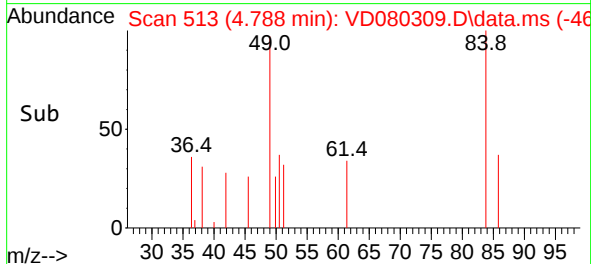
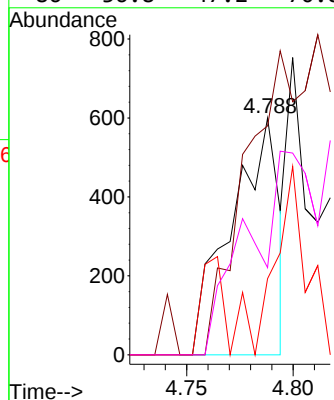
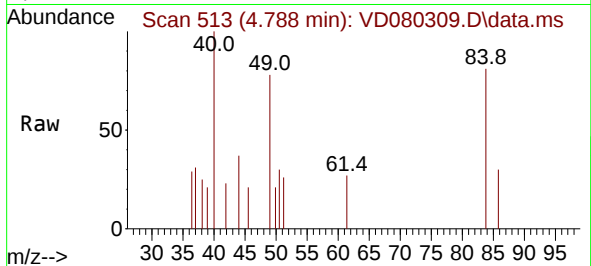




#20
Methylene Chloride
Concen: Below Cal
RT: 4.788 min Scan# 511
Delta R.T. -0.017 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

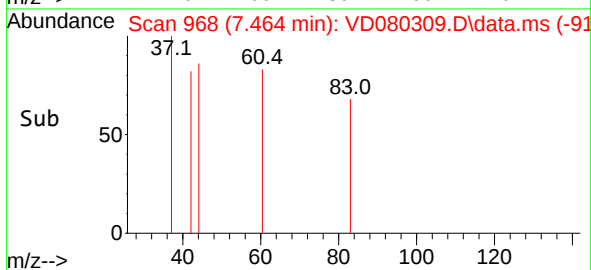
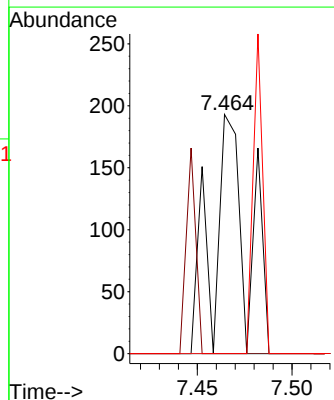
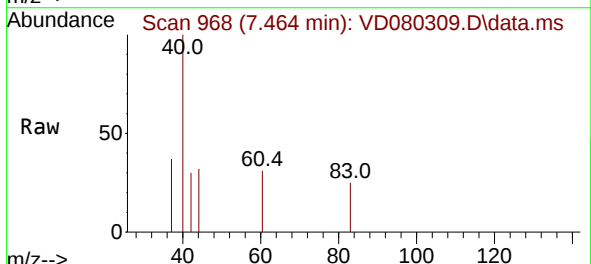
Instrument :
MSVOA_D
ClientSampleId :
2811

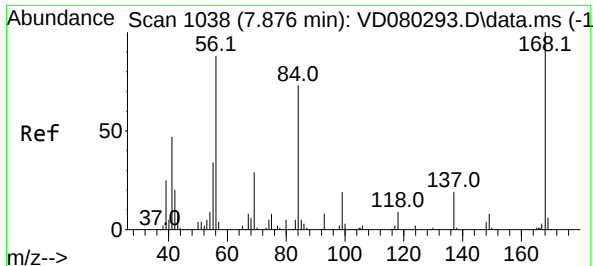
Tgt Ion:	84	Resp:	934
Ion	Ratio	Lower	Upper
84	100		
49	96.7	86.5	129.7
51	32.2	26.9	40.3
86	36.8	47.2	70.8#



#29
Tetrahydrofuran
Concen: 1.274 ug/l
RT: 7.464 min Scan# 968
Delta R.T. 0.018 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

Tgt Ion:	42	Resp:	242
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.7	55.1#
71	37.6	34.4	51.6





#31

Cyclohexane

Concen: 1.416 ug/l

RT: 7.870 min Scan# 1038

Delta R.T. -0.011 min

Lab File: VD080309.D

Acq: 13 May 2025 18:46

Instrument :

MSVOA_D

ClientSampleId :

2811

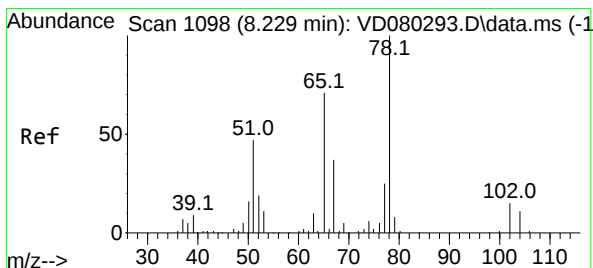
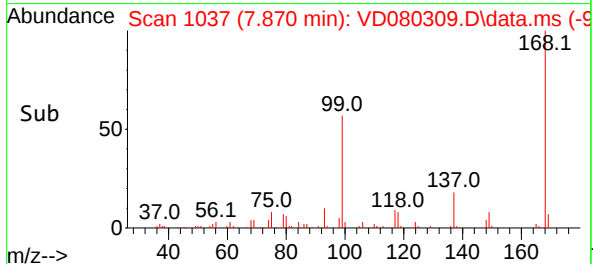
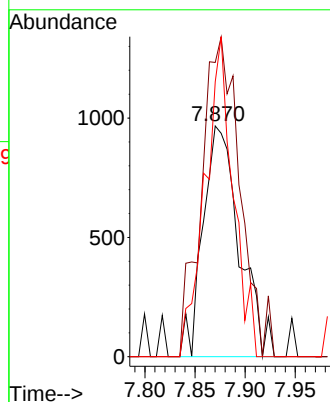
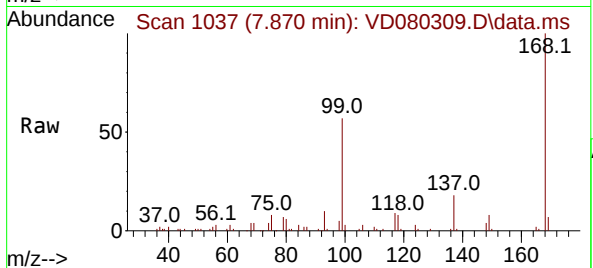
Tgt Ion: 56 Resp: 2437

Ion Ratio Lower Upper

56 100

69 127.5 27.3 40.9#

84 119.1 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 62.894 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.001 min

Lab File: VD080309.D

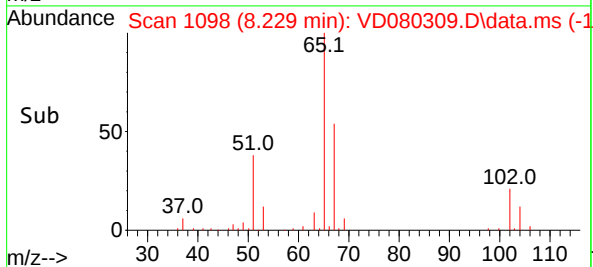
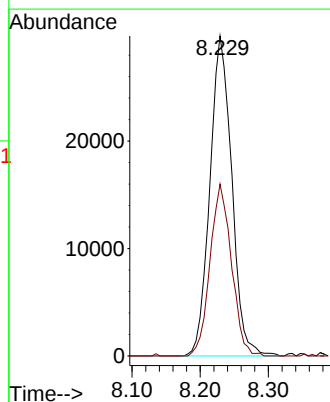
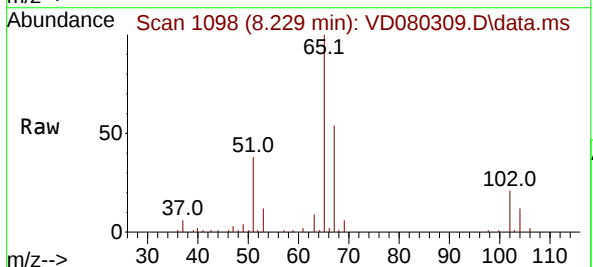
Acq: 13 May 2025 18:46

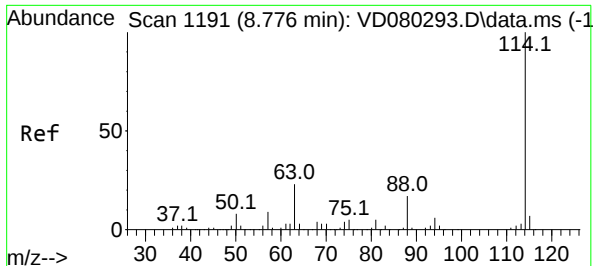
Tgt Ion: 65 Resp: 66615

Ion Ratio Lower Upper

65 100

67 52.6 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: VD080309.D

Acq: 13 May 2025 18:46

Instrument :

MSVOA_D

ClientSampleId :

2811

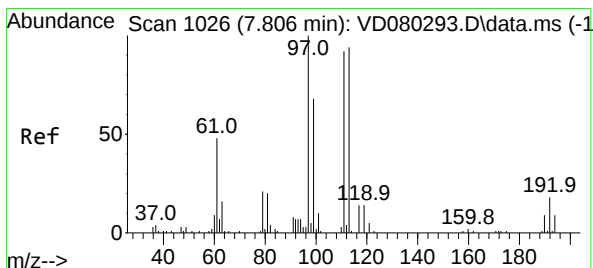
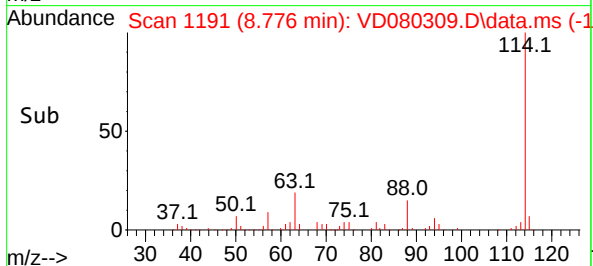
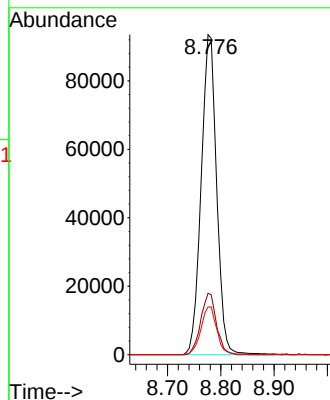
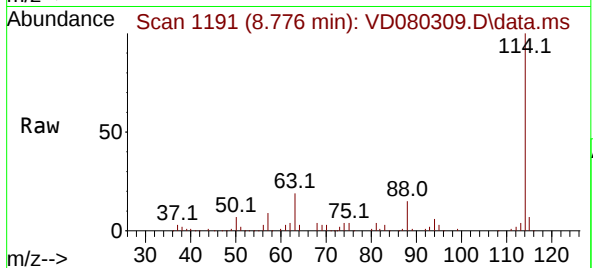
Tgt Ion:114 Resp: 188476

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.240 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080309.D

Acq: 13 May 2025 18:46

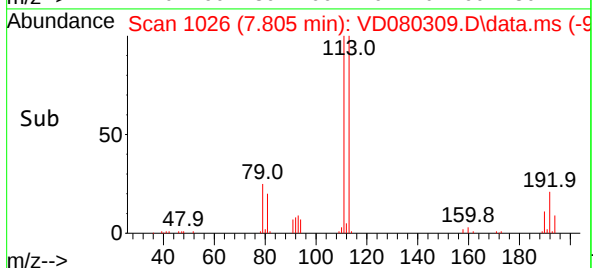
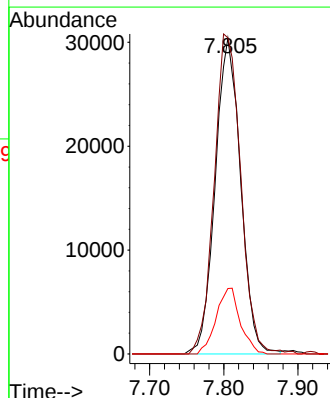
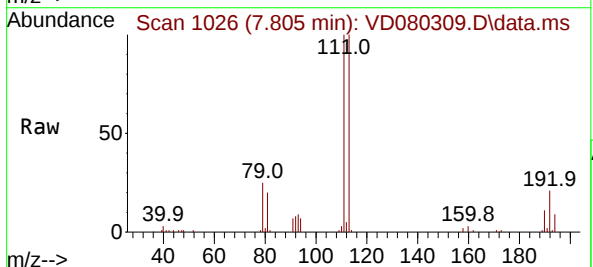
Tgt Ion:113 Resp: 72308

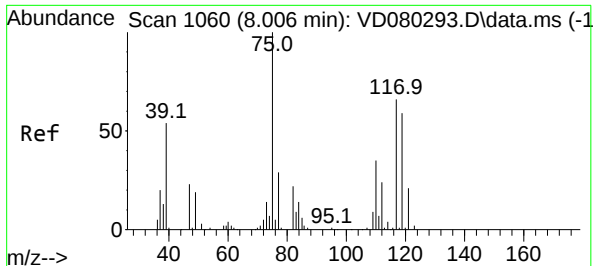
Ion Ratio Lower Upper

113 100

111 105.6 82.5 123.7

192 19.7 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.796 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.135 min

Lab File: VD080309.D

Acq: 13 May 2025 18:46

Instrument :

MSVOA_D

ClientSampleId :

2811

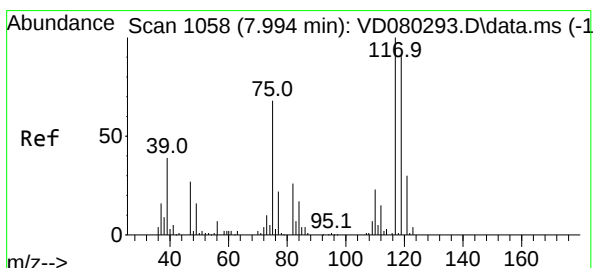
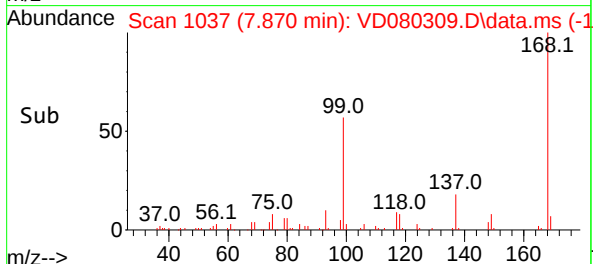
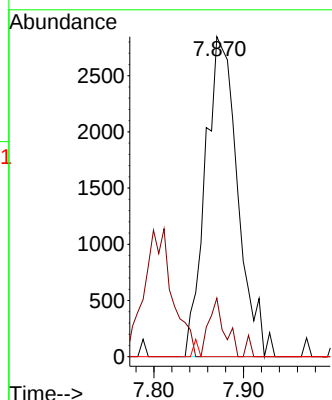
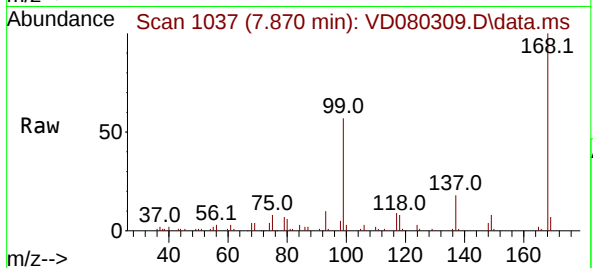
Tgt Ion: 75 Resp: 7167

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.333 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080309.D

Acq: 13 May 2025 18:46

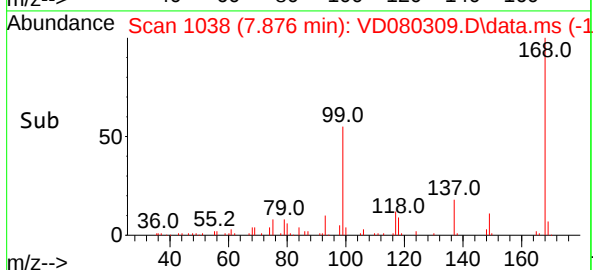
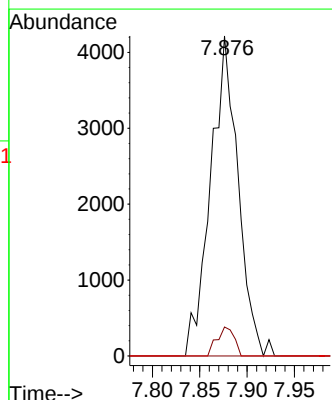
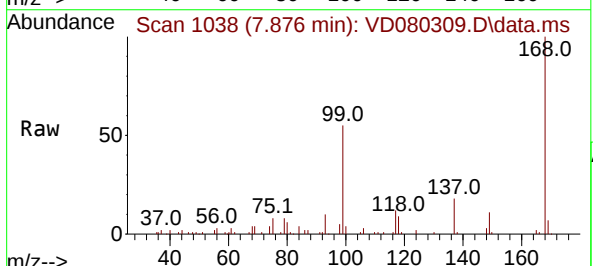
Tgt Ion: 117 Resp: 8531

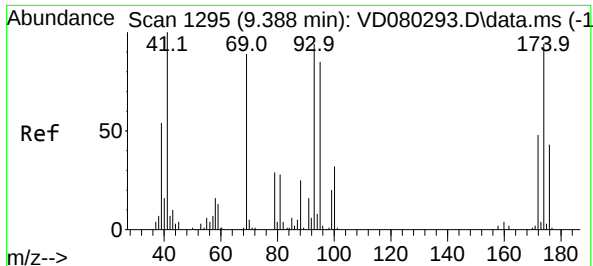
Ion Ratio Lower Upper

117 100

119 9.1 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 5.600 ug/l

RT: 9.470 min Scan# 11

Delta R.T. 0.083 min

Lab File: VD080309.D

Acq: 13 May 2025 18:46

Instrument :

MSVOA_D

ClientSampleId :

2811

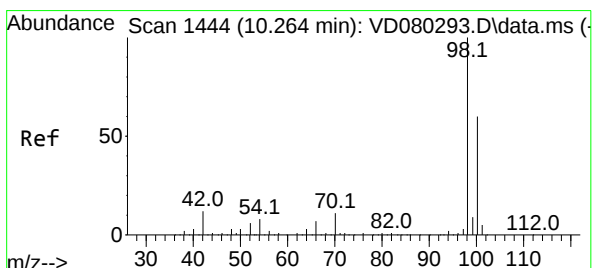
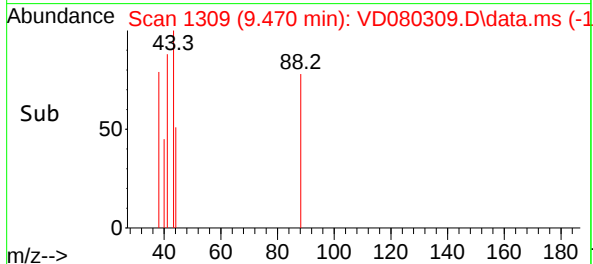
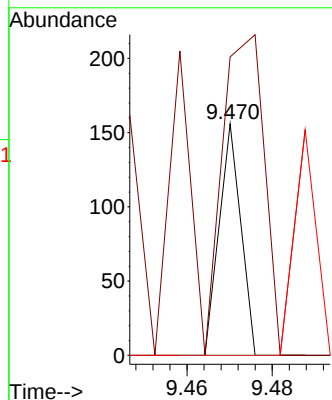
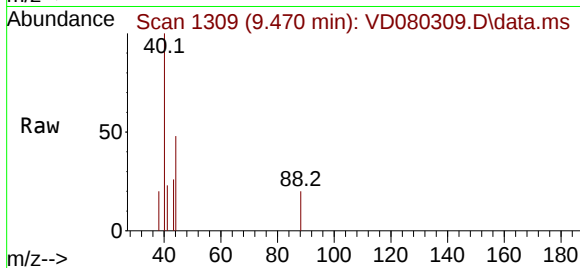
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 400.0 29.1 43.7#

58 98.2 59.9 89.9#



#50

Toluene-d8

Concen: 49.926 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080309.D

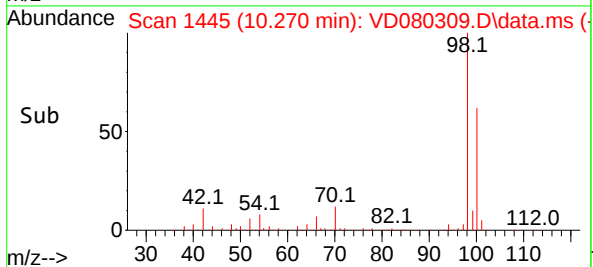
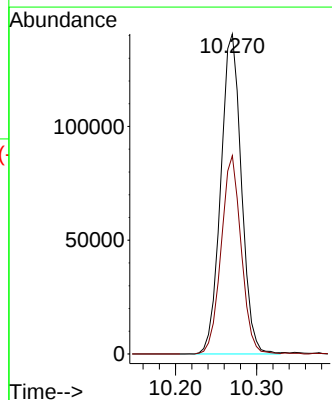
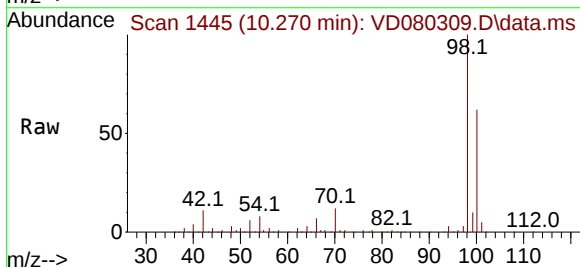
Acq: 13 May 2025 18:46

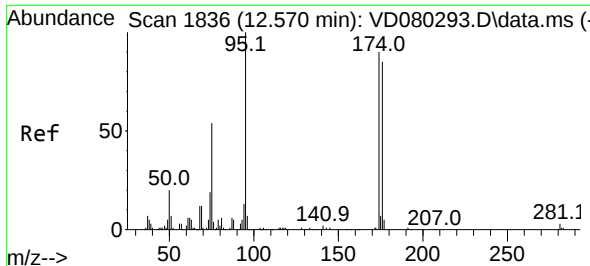
Tgt Ion: 98 Resp: 248495

Ion Ratio Lower Upper

98 100

100 60.1 50.2 75.4

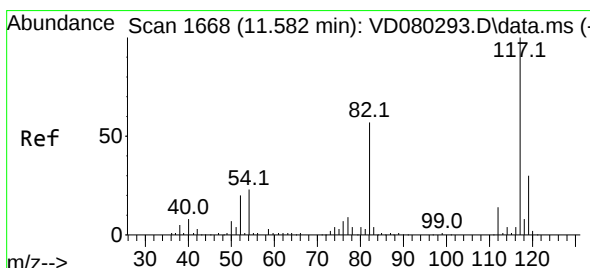
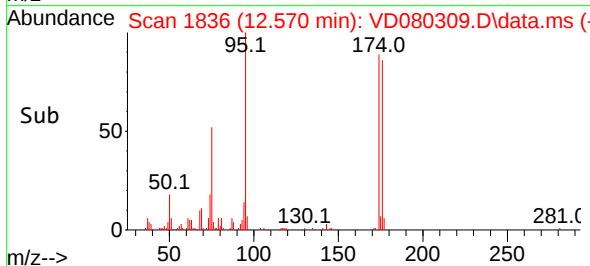
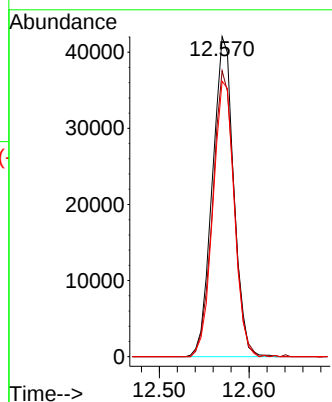
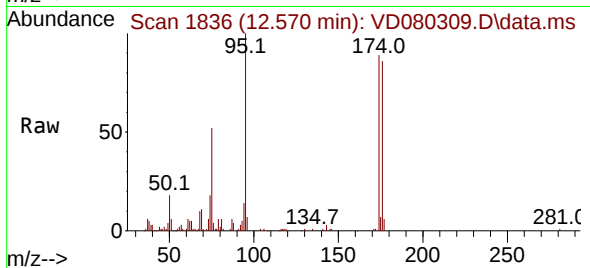




#62
4-Bromofluorobenzene
Concen: 43.396 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

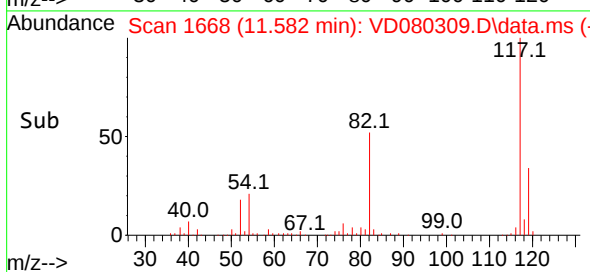
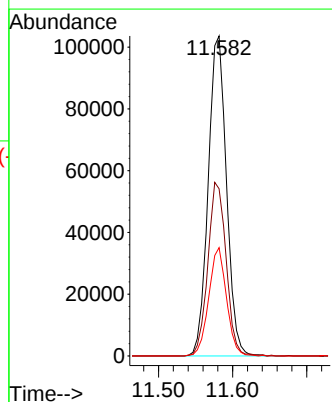
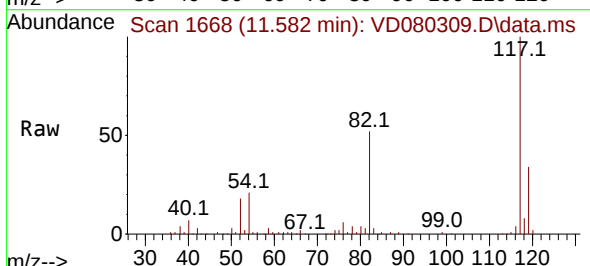
Instrument :
MSVOA_D
ClientSampleId :
2811

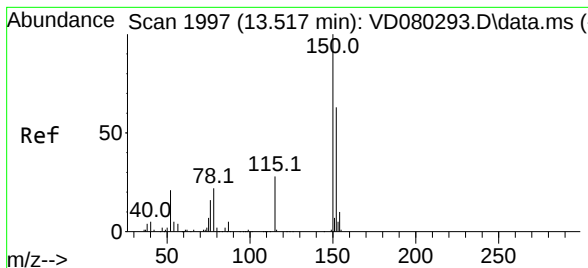
Tgt Ion: 95 Resp: 69327
Ion Ratio Lower Upper
95 100
174 90.0 0.0 173.4
176 86.1 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080309.D
Acq: 13 May 2025 18:46

Tgt Ion: 117 Resp: 177234
Ion Ratio Lower Upper
117 100
82 52.3 45.8 68.6
119 33.8 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: VD080309.D

Acq: 13 May 2025 18:46

Instrument :

MSVOA_D

ClientSampleId :

2811

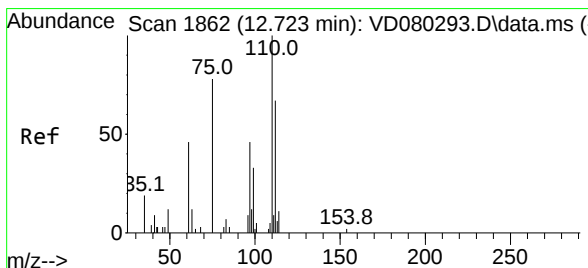
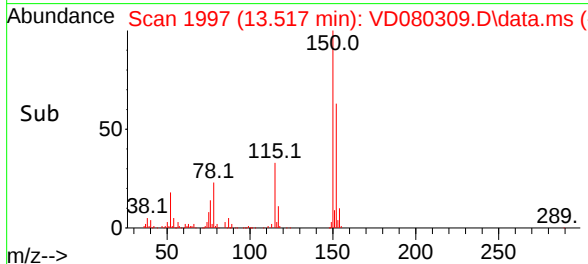
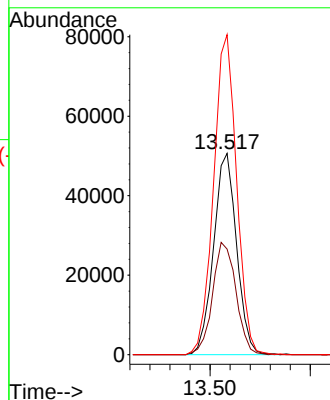
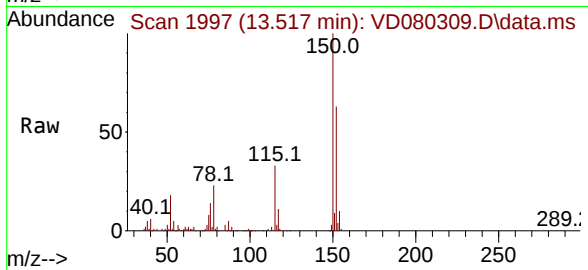
Tgt Ion:152 Resp: 80711

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.8

150 158.7 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 46.261 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. -0.152 min

Lab File: VD080309.D

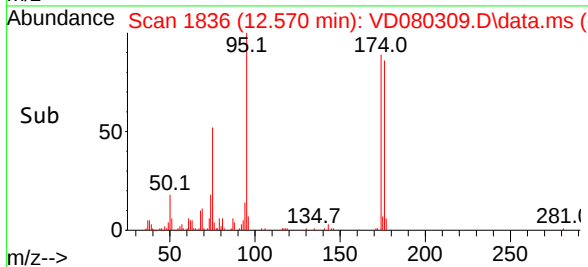
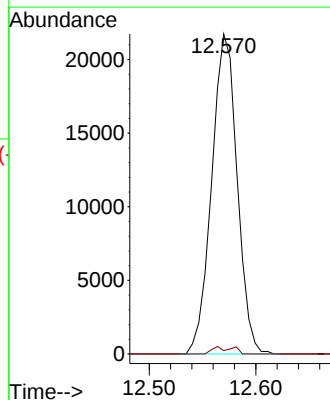
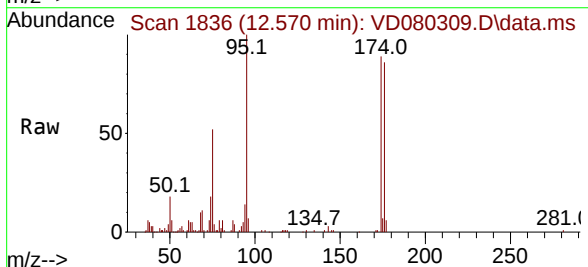
Acq: 13 May 2025 18:46

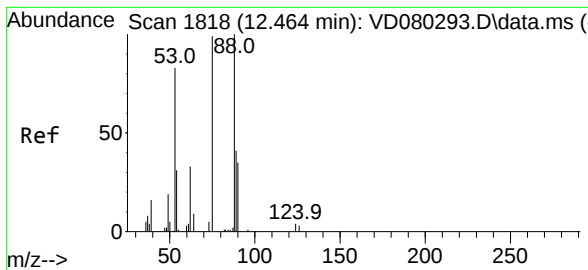
Tgt Ion: 75 Resp: 36036

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.812 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080309.D
 Acq: 13 May 2025 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 2811

Tgt Ion:	75	Resp:	36036
Ion	Ratio	Lower	Upper
75	100		
53	0.6	68.7	103.1#
89	0.4	36.1	54.1#

