

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080365.D
 Acq On : 16 May 2025 12:29
 Operator : RP/MD
 Sample : Q2055-01
 Misc : 5.52G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-051525

Quant Time: May 17 01:18:25 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)

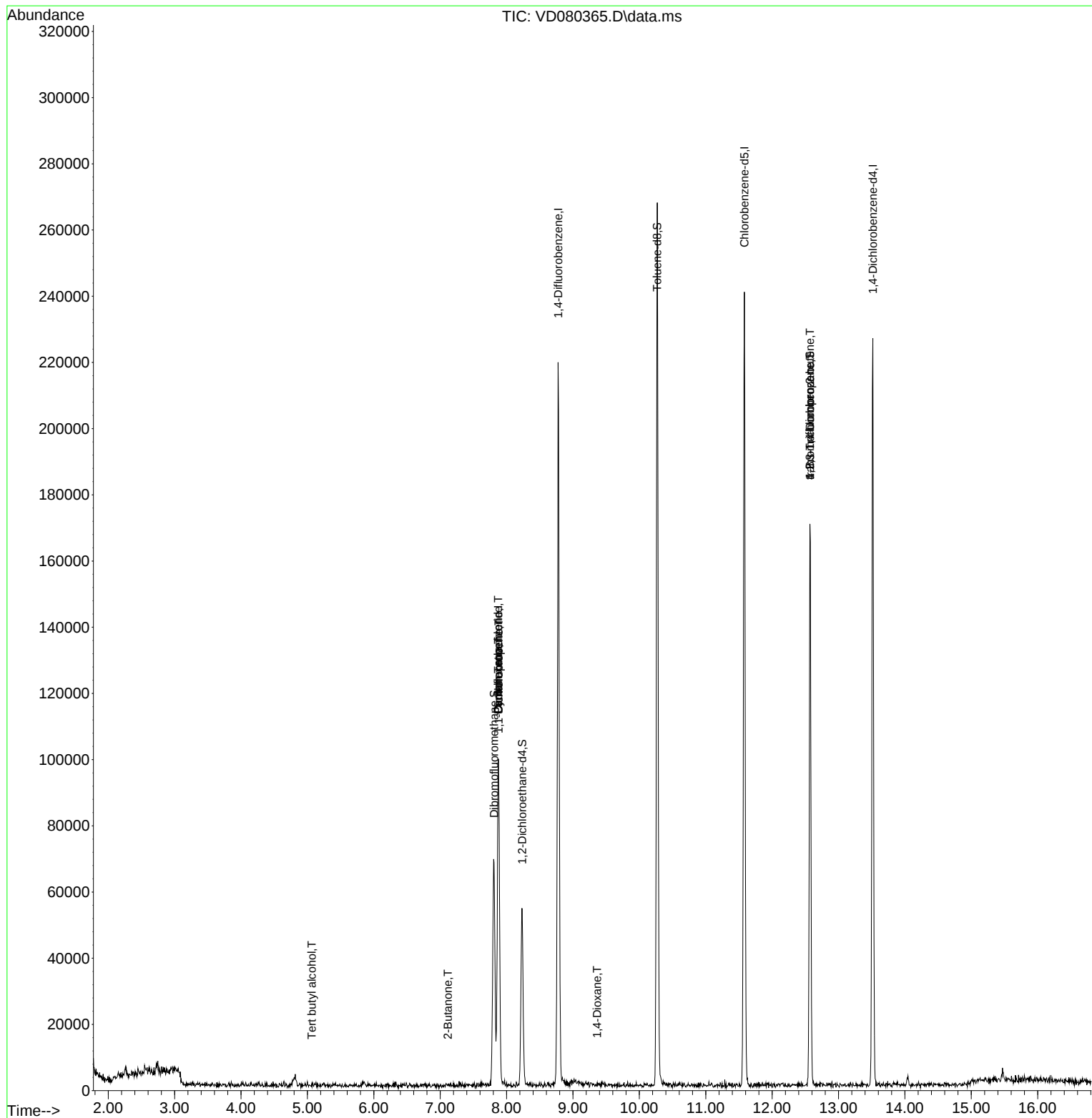
Internal Standards						
1) Pentafluorobenzene	7.876	168	73391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	171127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	131044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	60156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	42013	44.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.540%
35) Dibromofluoromethane	7.811	113	47811	41.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.380%
50) Toluene-d8	10.270	98	178024	39.393	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.780%
62) 4-Bromofluorobenzene	12.570	95	51045	35.191	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.206	85	67	Below Cal	#	43
3) Chloromethane	2.129	50	169	Below Cal	#	39
11) Tert butyl alcohol	5.064	59	61	1.059	ug/l #	1
16) Acetone	4.029	43	1103	Below Cal	#	77
20) Methylene Chloride	4.800	84	2081	Below Cal	#	83
25) 2-Butanone	7.117	43	445	1.704	ug/l #	47
31) Cyclohexane	7.876	56	1994	1.293	ug/l #	8
36) 1,1-Dichloropropene	7.882	75	6502	3.793	ug/l #	47
38) Carbon Tetrachloride	7.876	117	7243	4.052	ug/l #	14
49) 1,4-Dioxane	9.364	88	54	6.056	ug/l #	53
76) 1,2,3-Trichloropropane	12.570	75	27026	46.550	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	27026	88.359	ug/l #	15

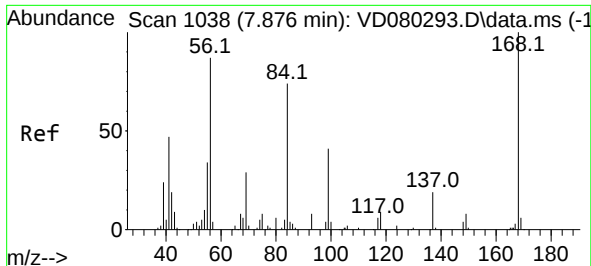
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 17 01:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
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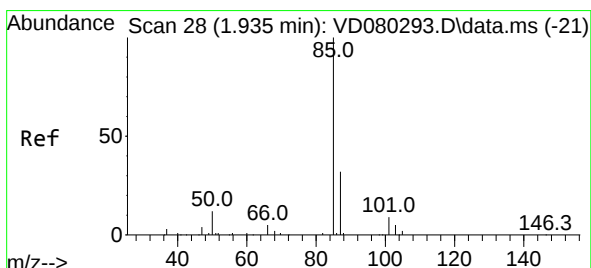
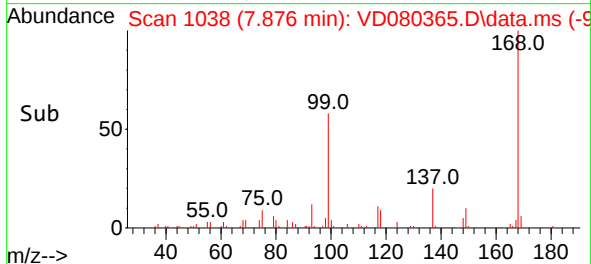
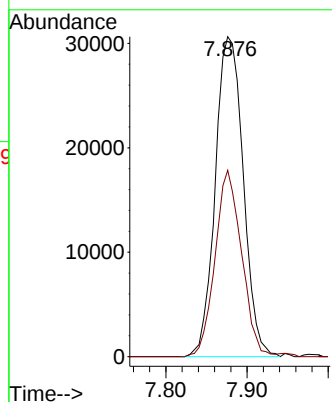
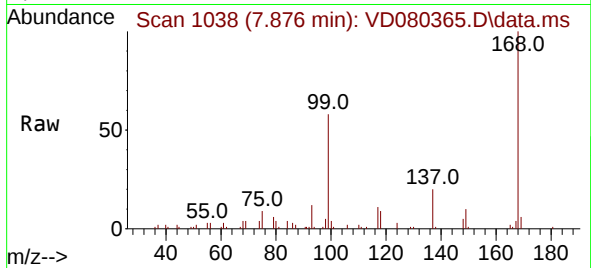




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

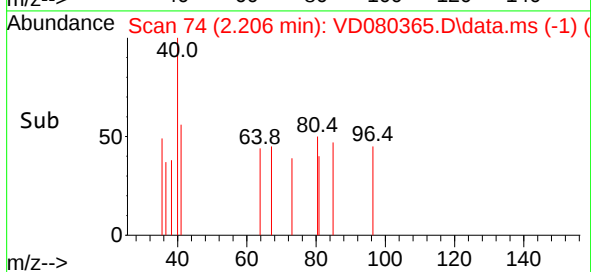
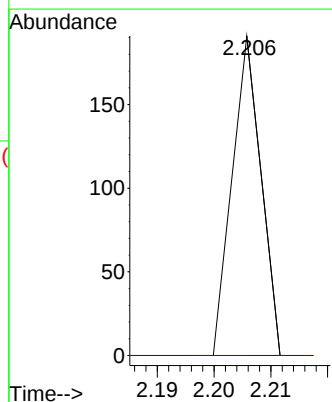
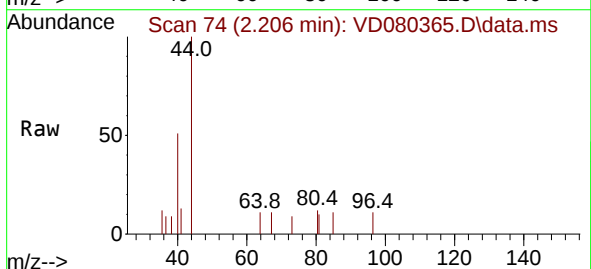
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051525

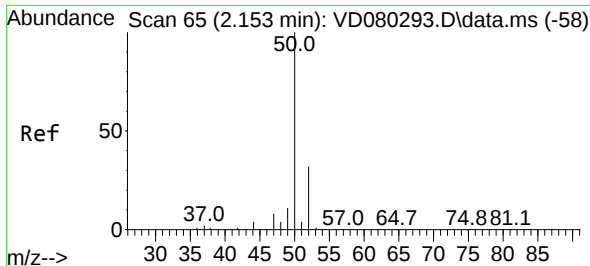
Tgt Ion:168 Resp: 73391
Ion Ratio Lower Upper
168 100
99 58.3 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.206 min Scan# 74
Delta R.T. 0.272 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

Tgt Ion: 85 Resp: 67
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

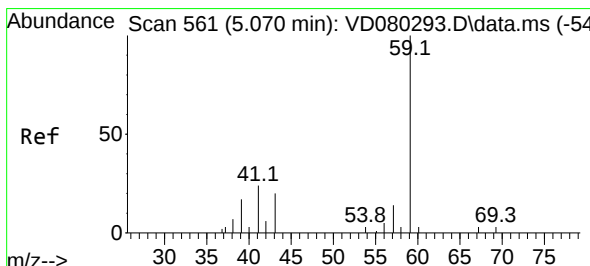
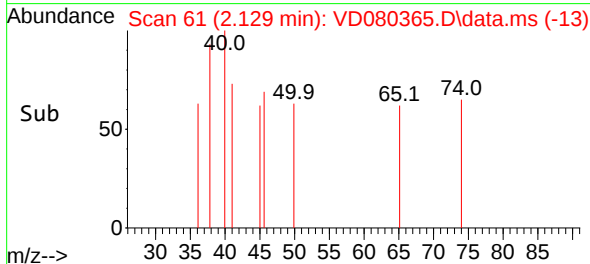
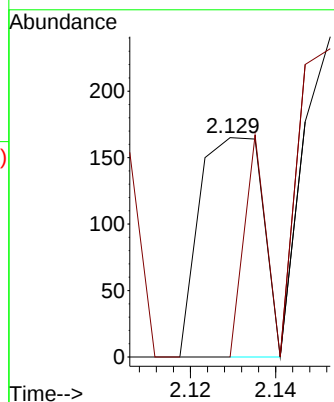
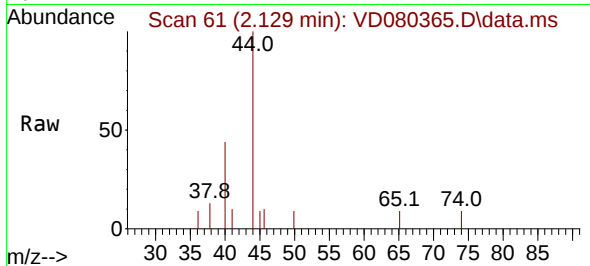




#3
Chloromethane
Concen: Below Cal
RT: 2.129 min Scan# 61
Delta R.T. -0.017 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

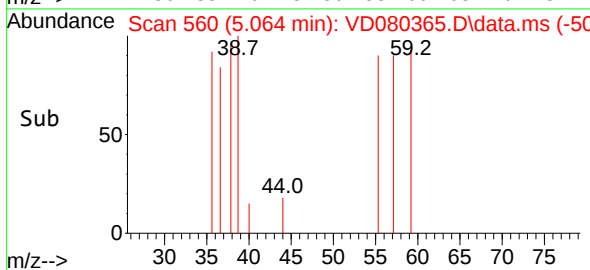
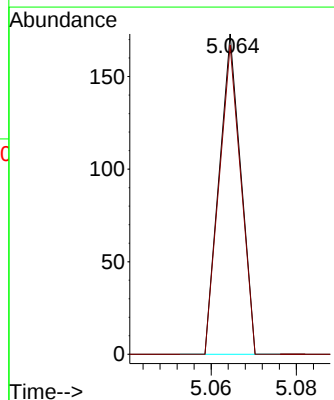
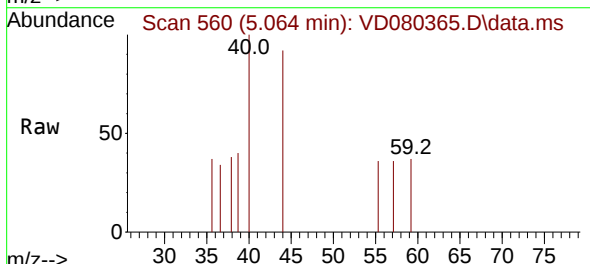
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051525

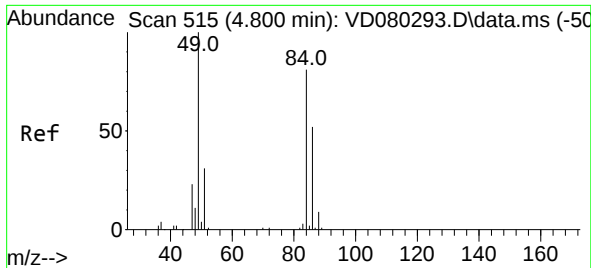
Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.059 ug/l
RT: 5.064 min Scan# 560
Delta R.T. 0.006 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 96.7 4.8 7.2#

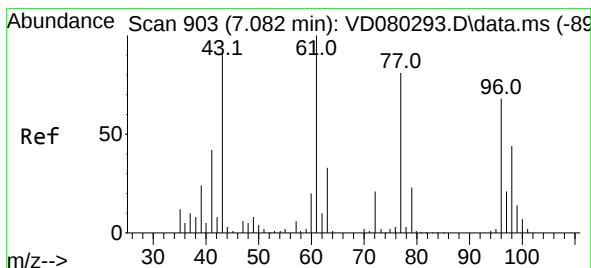
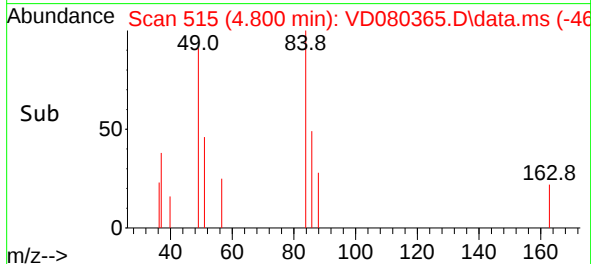
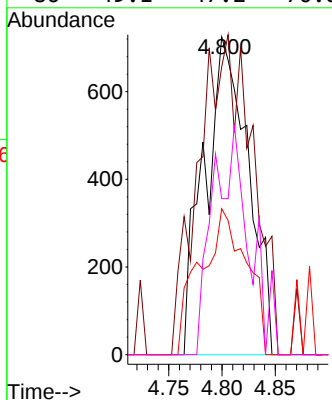
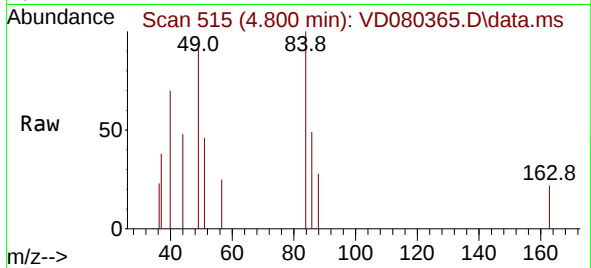




#20
Methylene Chloride
Concen: Below Cal
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

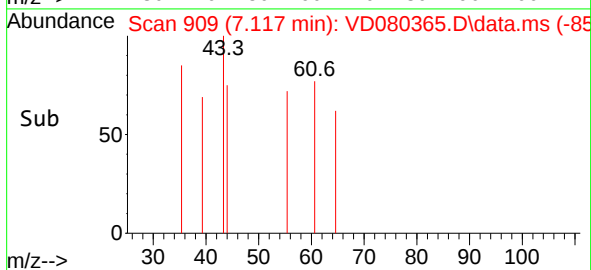
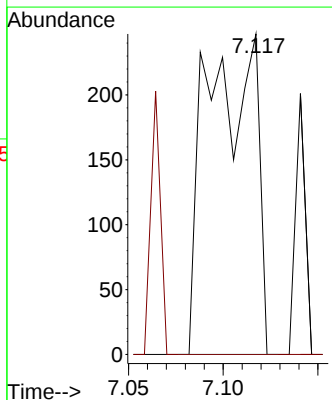
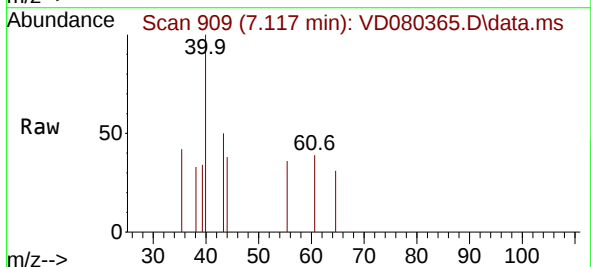
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051525

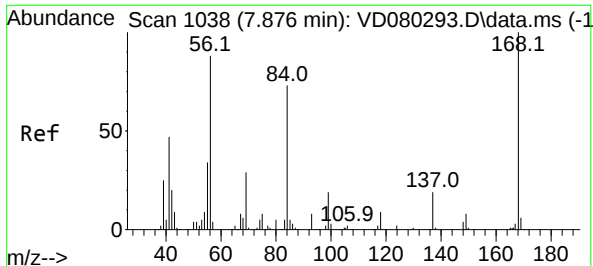
Tgt Ion:	84	Resp:	2081
Ion	Ratio	Lower	Upper
84	100		
49	90.6	86.5	129.7
51	45.9	26.9	40.3
86	49.1	47.2	70.8



#25
2-Butanone
Concen: 1.704 ug/l
RT: 7.117 min Scan# 909
Delta R.T. 0.030 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

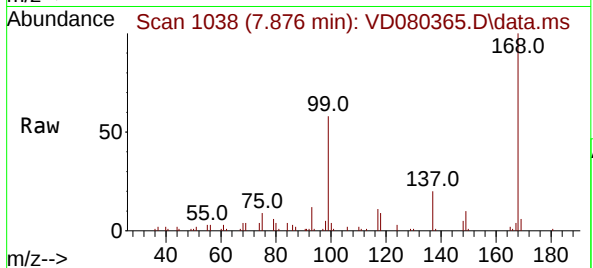
Tgt Ion:	43	Resp:	445
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.3	33.5



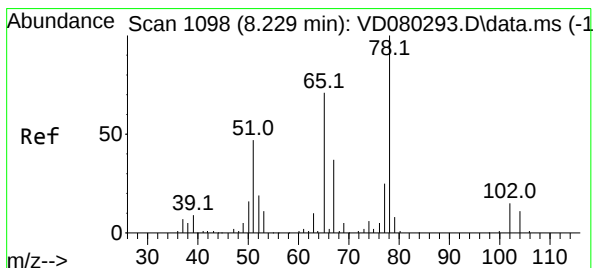
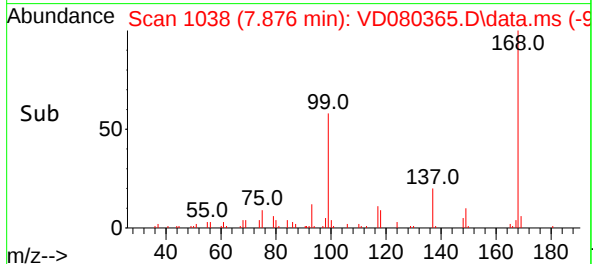
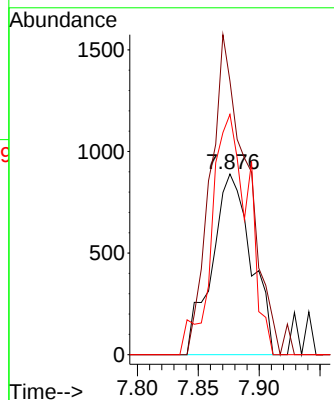


#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

Instrument :
MSVOA_D
ClientSampleId :
OR-02-051525

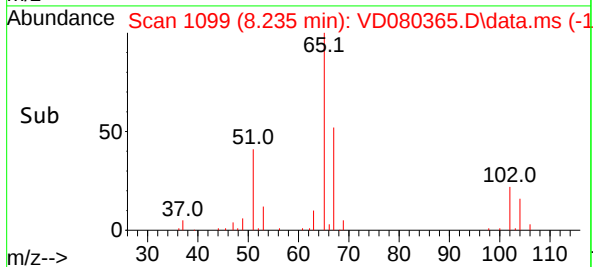
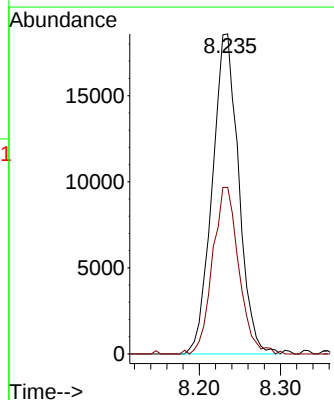
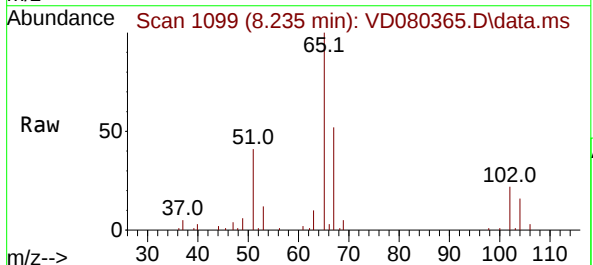


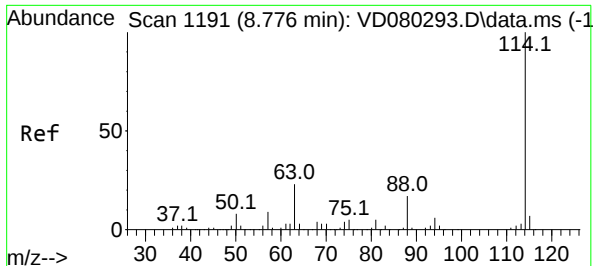
Tgt Ion:	56	Resp:	1994
Ion Ratio	100		
Lower	27.3		
Upper	40.9#		
69	151.5		
84	133.1		
70.2			105.4#



#33
1,2-Dichloroethane-d4
Concen: 44.268 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

Tgt Ion:	65	Resp:	42013
Ion Ratio	100		
Lower	0.0		
Upper	109.2		
67	51.8		





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080365.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051525

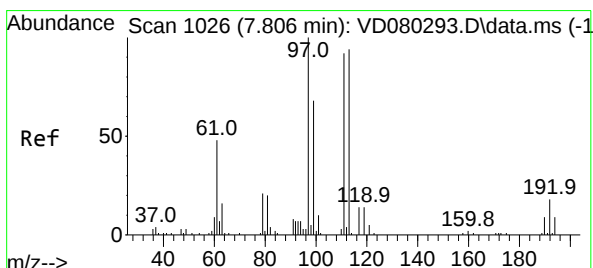
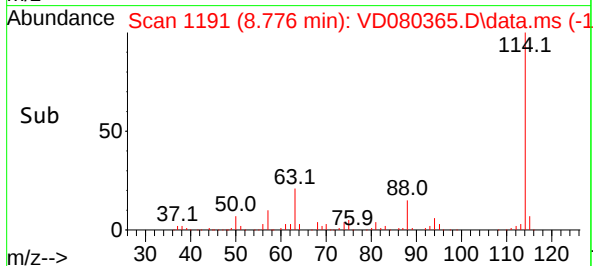
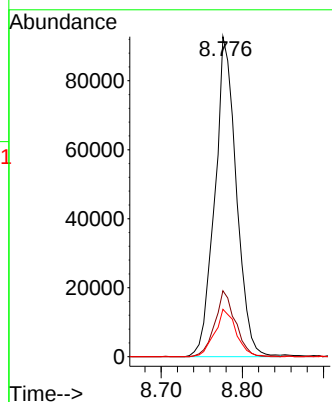
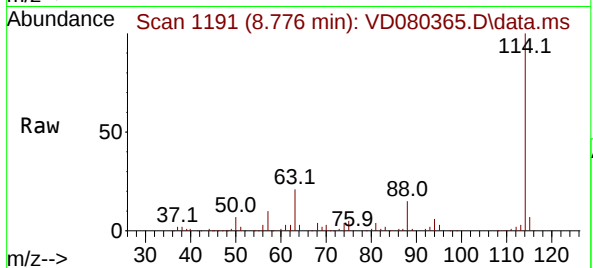
Tgt Ion:114 Resp: 171127

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 41.685 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080365.D

Acq: 16 May 2025 12:29

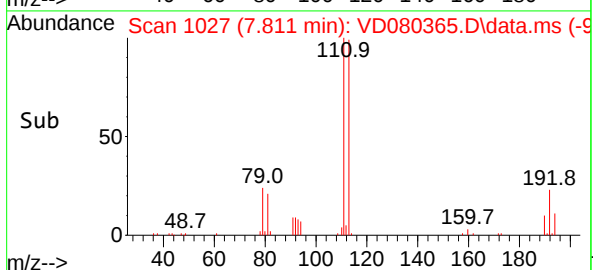
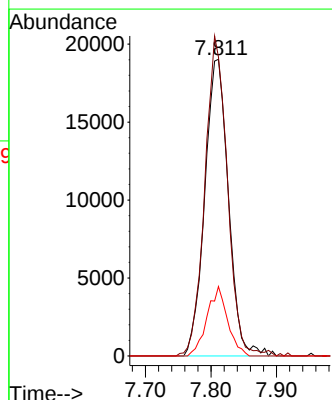
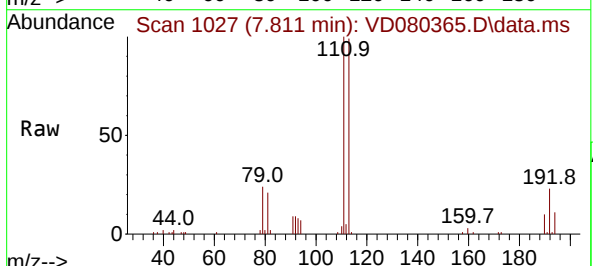
Tgt Ion:113 Resp: 47811

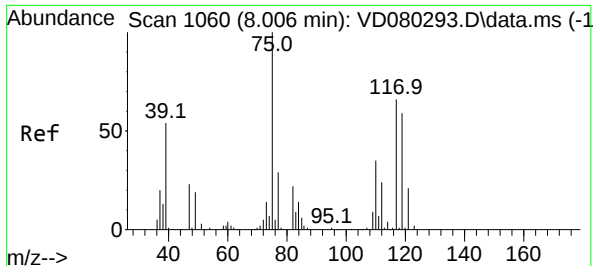
Ion Ratio Lower Upper

113 100

111 102.5 82.5 123.7

192 20.3 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.793 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.123 min

Lab File: VD080365.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051525

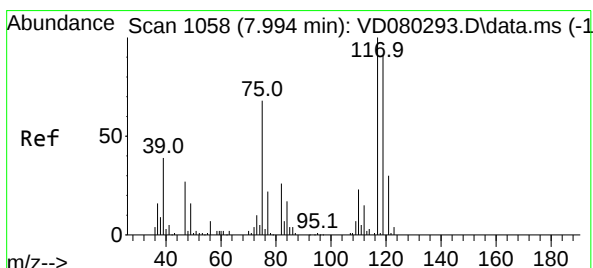
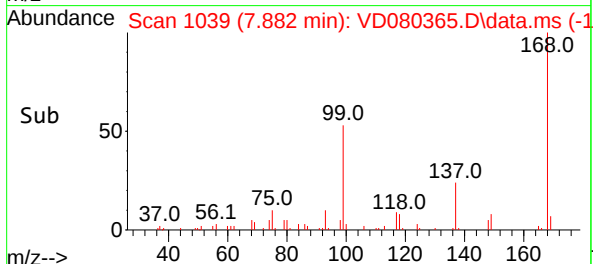
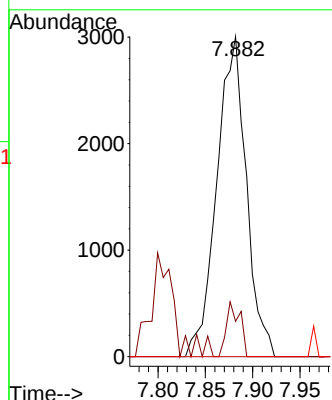
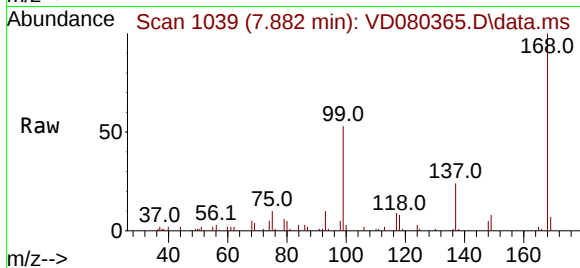
Tgt Ion: 75 Resp: 6502

Ion Ratio Lower Upper

75 100

110 7.9 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.052 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080365.D

Acq: 16 May 2025 12:29

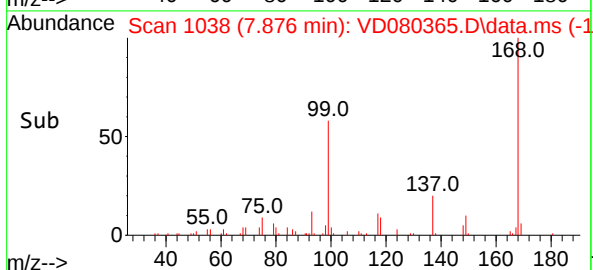
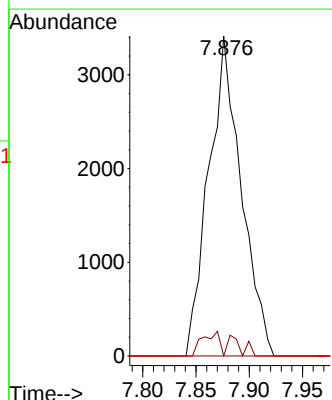
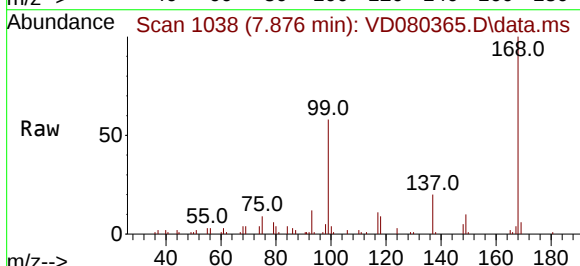
Tgt Ion: 117 Resp: 7243

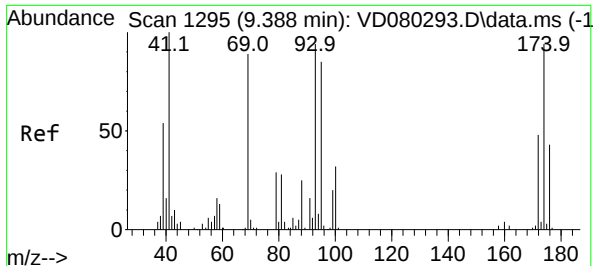
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 6.056 ug/l

RT: 9.364 min Scan# 11

Delta R.T. -0.023 min

Lab File: VD080365.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051525

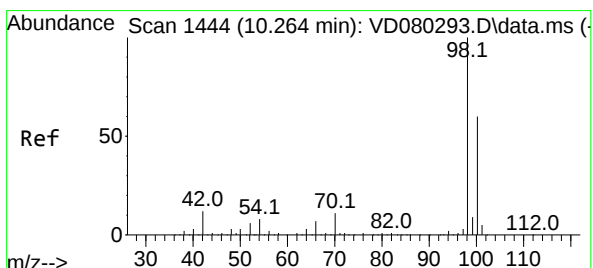
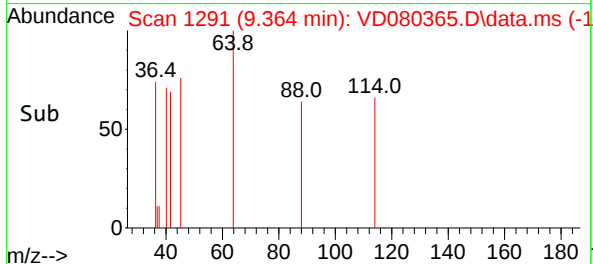
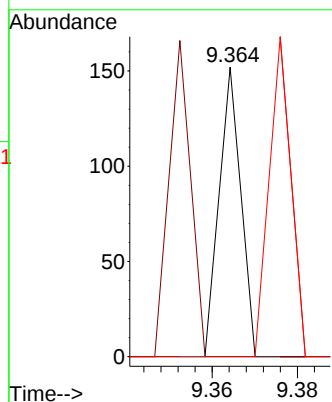
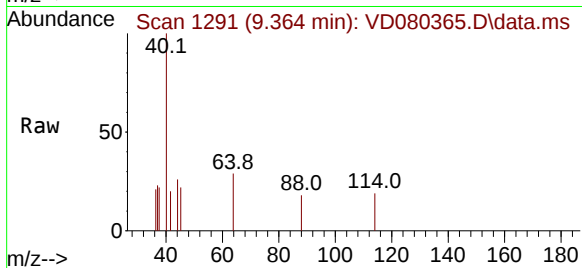
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 29.1 43.7#

58 109.3 59.9 89.9#



#50

Toluene-d8

Concen: 39.393 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080365.D

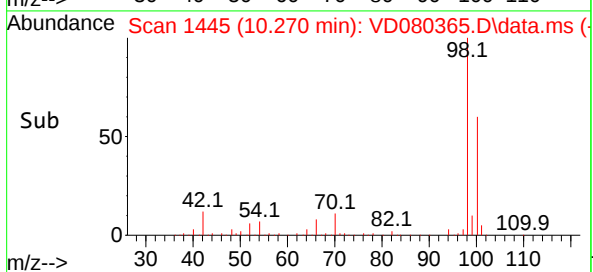
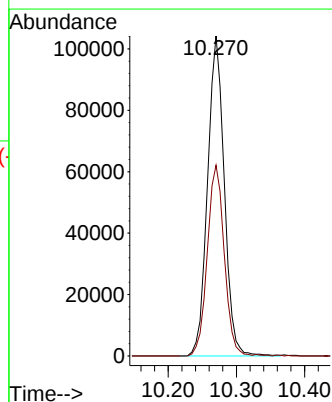
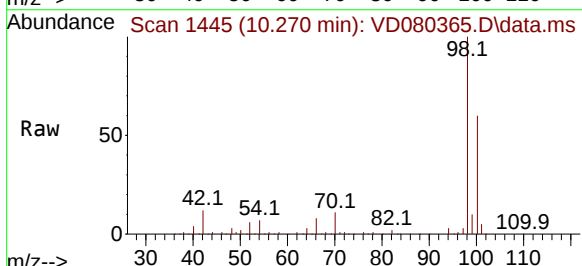
Acq: 16 May 2025 12:29

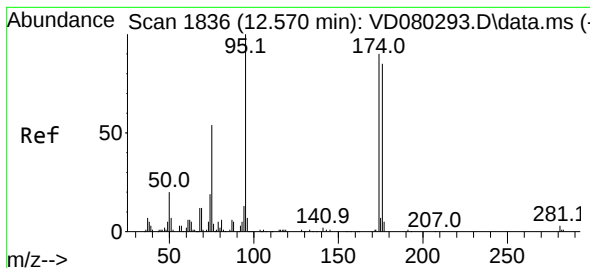
Tgt Ion: 98 Resp: 178024

Ion Ratio Lower Upper

98 100

100 60.5 50.2 75.4

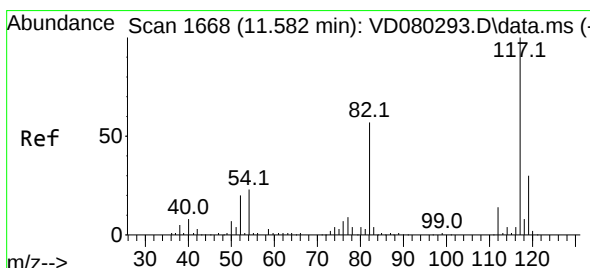
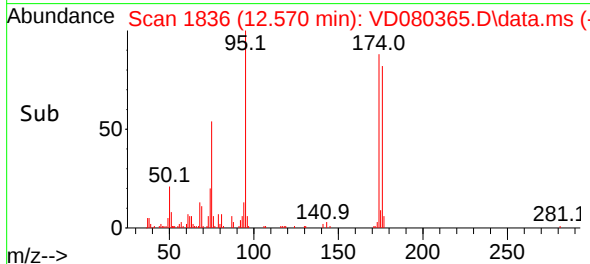
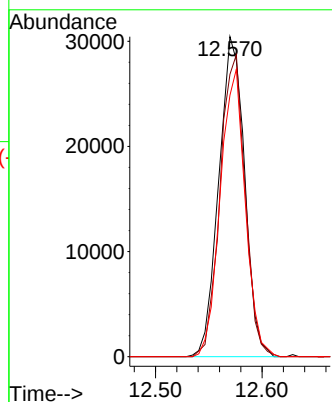
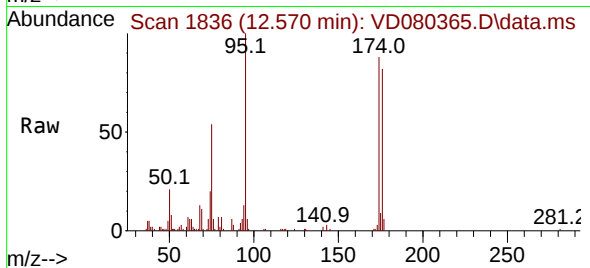




#62
4-Bromofluorobenzene
Concen: 35.191 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

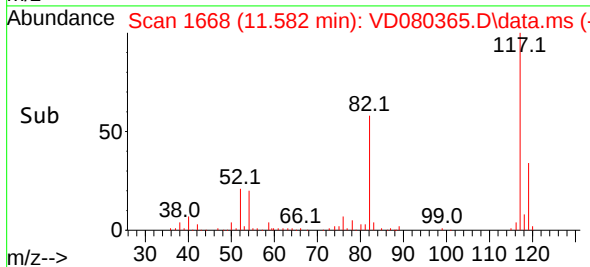
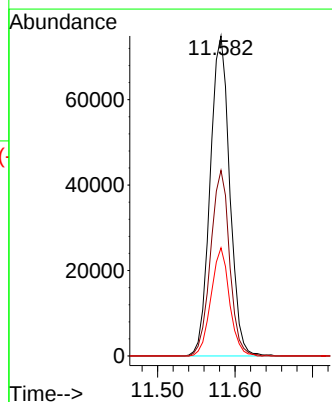
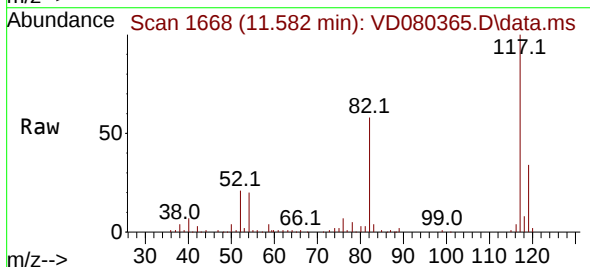
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051525

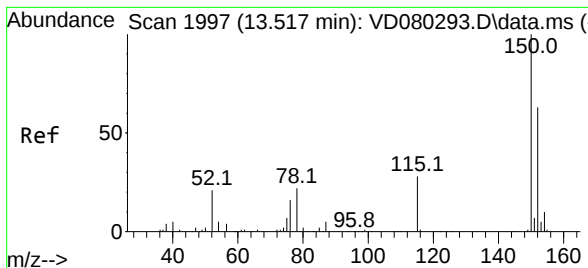
Tgt Ion: 95 Resp: 51045
Ion Ratio Lower Upper
95 100
174 91.5 0.0 173.4
176 87.2 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080365.D
Acq: 16 May 2025 12:29

Tgt Ion: 117 Resp: 131044
Ion Ratio Lower Upper
117 100
82 58.0 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: VD080365.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051525

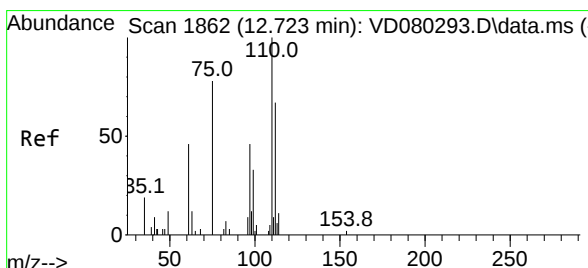
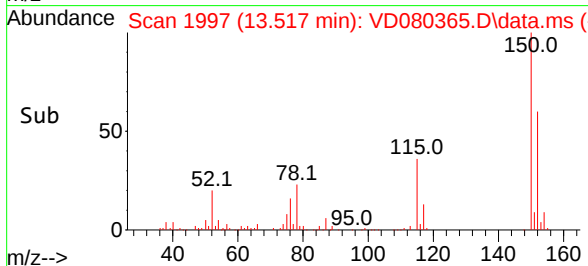
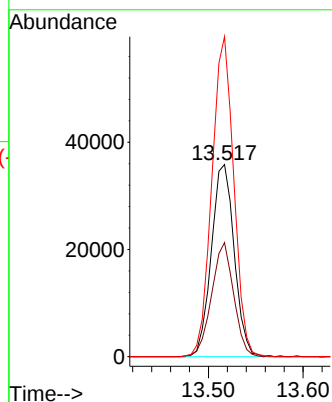
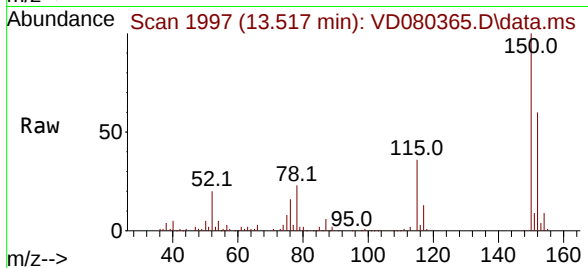
Tgt Ion:152 Resp: 60156

Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.8

150 159.1 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 46.550 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. -0.152 min

Lab File: VD080365.D

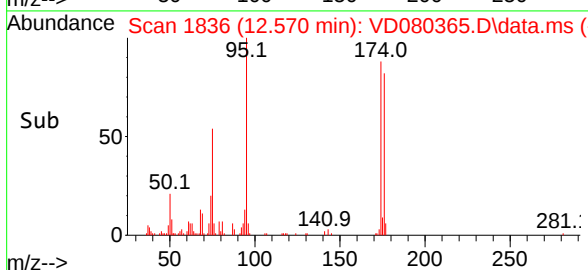
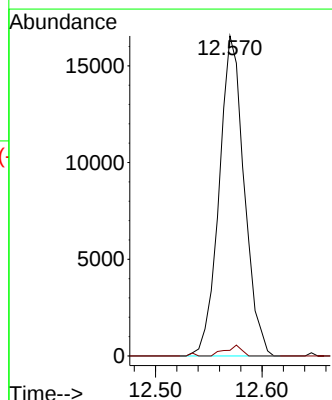
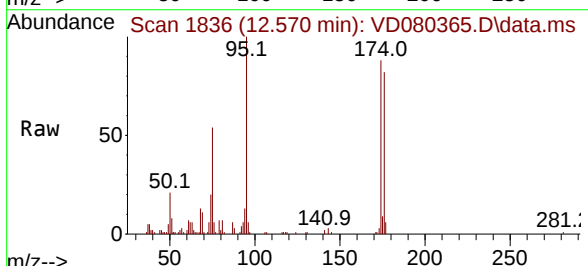
Acq: 16 May 2025 12:29

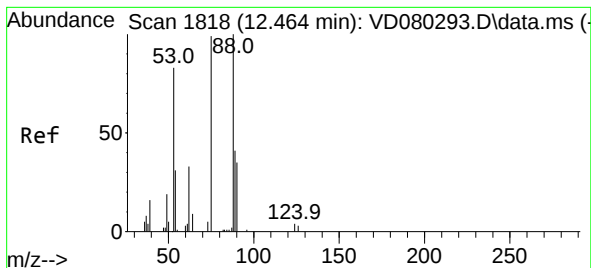
Tgt Ion: 75 Resp: 27026

Ion Ratio Lower Upper

75 100

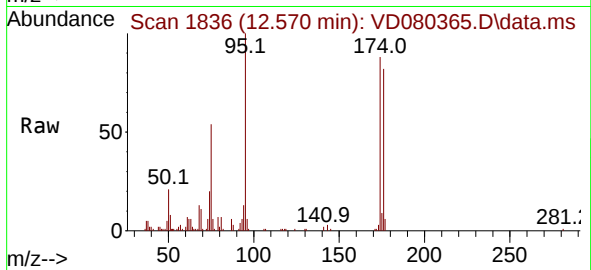
77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.359 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080365.D
 Acq: 16 May 2025 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-051525



Tgt Ion: 75 Resp: 27026
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.7 103.1#
 89 0.0 36.1 54.1#

