

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080333.D
 Acq On : 14 May 2025 20:10
 Operator : RP/MD
 Sample : Q2010-04
 Misc : 6.39G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-17

Quant Time: May 15 03:39:58 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)

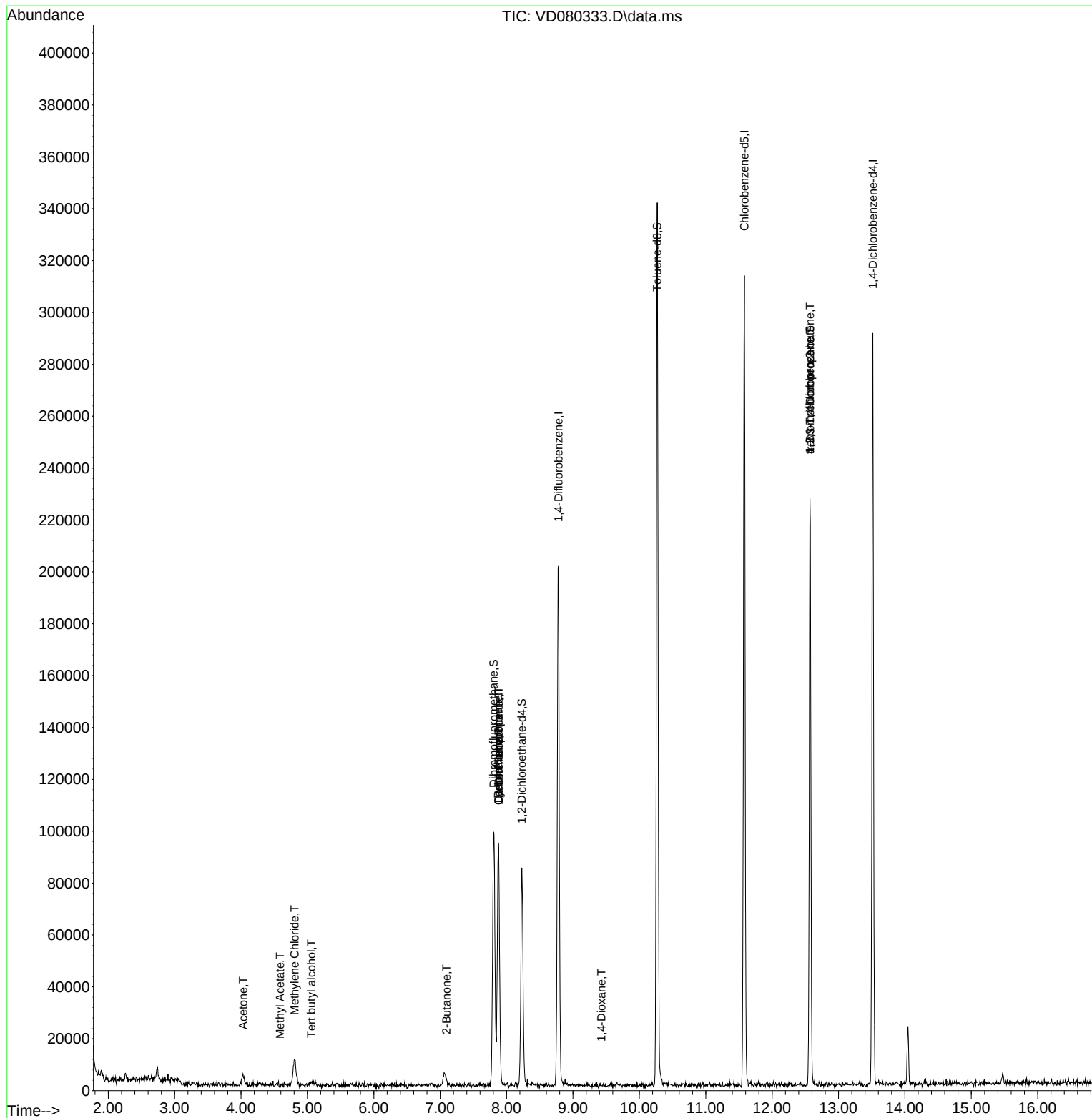
Internal Standards						
1) Pentafluorobenzene	7.876	168	70237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	175289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	170783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	79381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	66029	72.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.400%	
35) Dibromofluoromethane	7.806	113	70610	60.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.200%	
50) Toluene-d8	10.270	98	233533	50.449	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.900%	
62) 4-Bromofluorobenzene	12.570	95	67037	45.119	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.240%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.976	85	67	Below Cal	#	43
3) Chloromethane	2.159	50	353	Below Cal	#	70
11) Tert butyl alcohol	5.059	59	1458	26.454	ug/l #	82
16) Acetone	4.029	43	6993	33.986	ug/l	95
18) Methyl Acetate	4.588	43	701	1.193	ug/l #	64
20) Methylene Chloride	4.806	84	7788	4.550	ug/l	95
25) 2-Butanone	7.094	43	569	2.277	ug/l #	88
31) Cyclohexane	7.882	56	2183	1.479	ug/l #	62
36) 1,1-Dichloropropene	7.882	75	6394	3.642	ug/l #	49
38) Carbon Tetrachloride	7.882	117	7022	3.835	ug/l #	19
49) 1,4-Dioxane	9.429	88	81	8.868	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	34640	45.214	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	34640	85.824	ug/l #	15

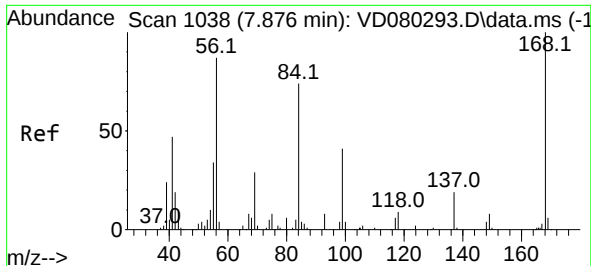
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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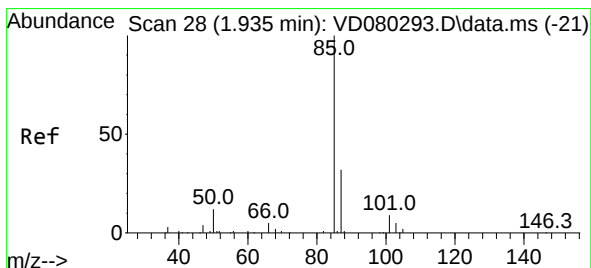
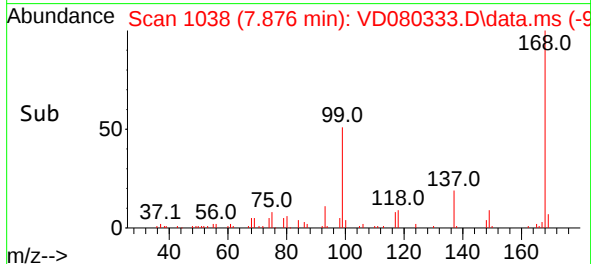
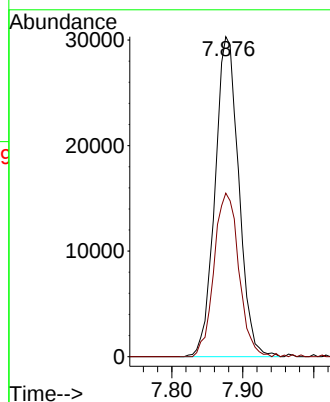
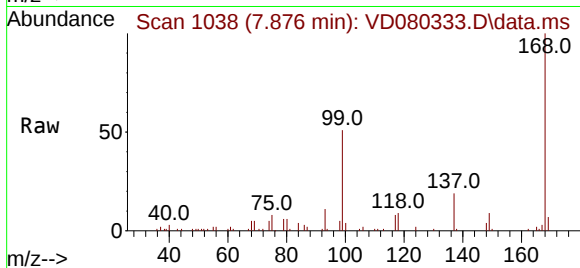




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

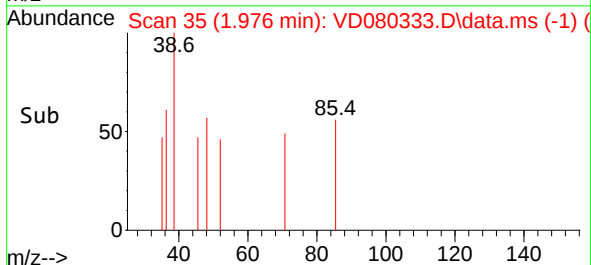
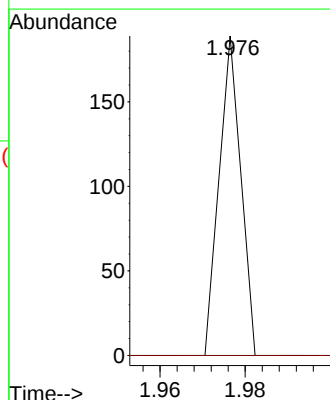
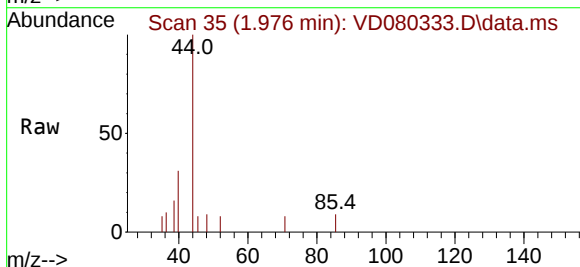
Instrument :
MSVOA_D
ClientSampleId :
TP-17

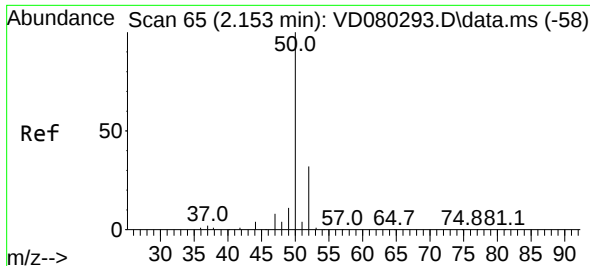
Tgt Ion:168 Resp: 70237
Ion Ratio Lower Upper
168 100
99 51.1 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.976 min Scan# 35
Delta R.T. 0.042 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

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

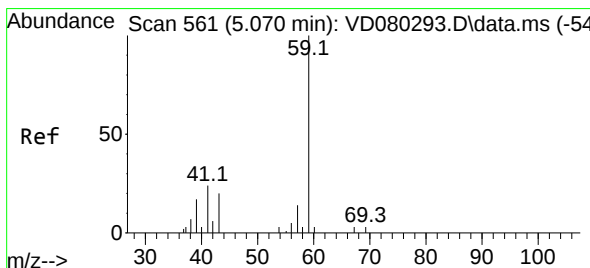
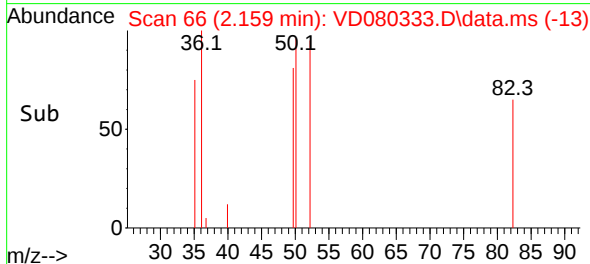
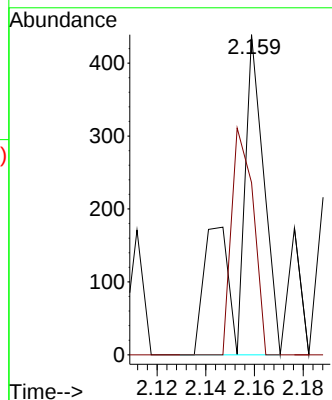
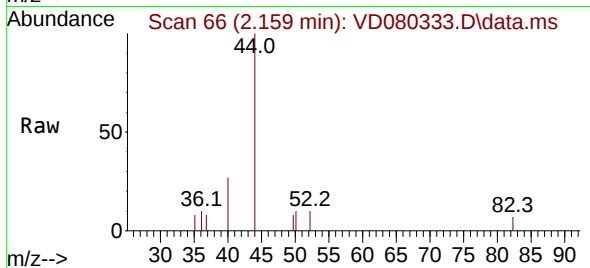




#3
Chloromethane
Concen: Below Cal
RT: 2.159 min Scan# 60
Delta R.T. 0.013 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

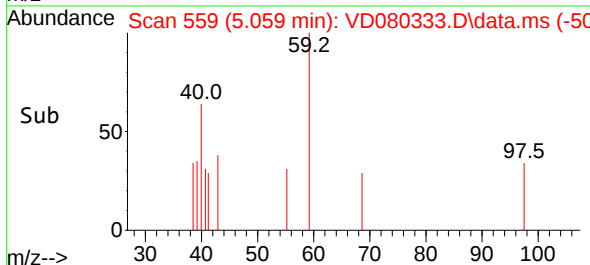
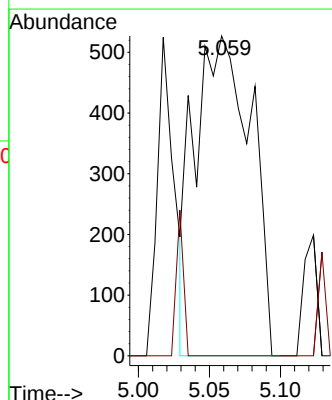
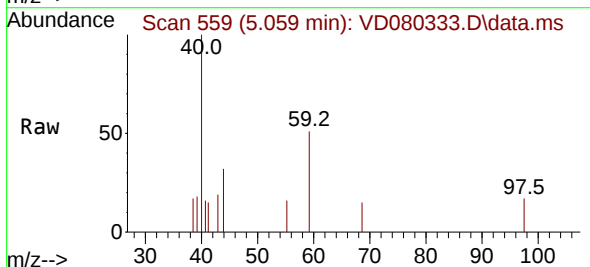
Instrument :
MSVOA_D
ClientSampleId :
TP-17

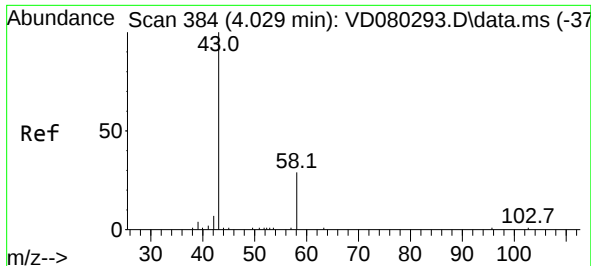
Tgt Ion: 50 Resp: 353
Ion Ratio Lower Upper
50 100
52 53.8 28.8 43.2#



#11
Tert butyl alcohol
Concen: 26.454 ug/l
RT: 5.059 min Scan# 559
Delta R.T. 0.001 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

Tgt Ion: 59 Resp: 1458
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#

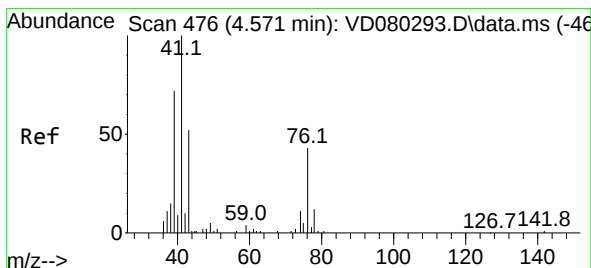
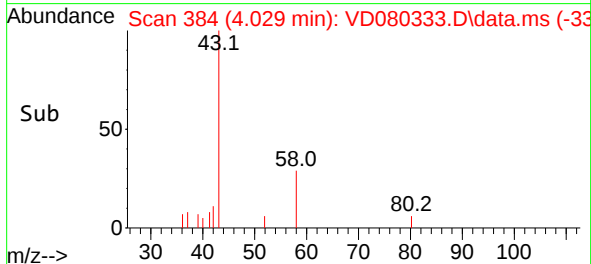
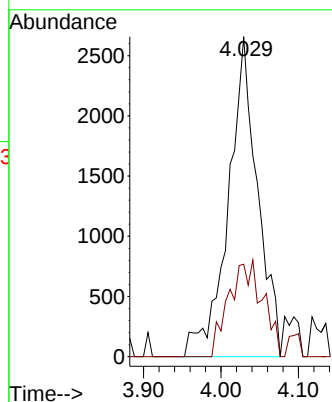
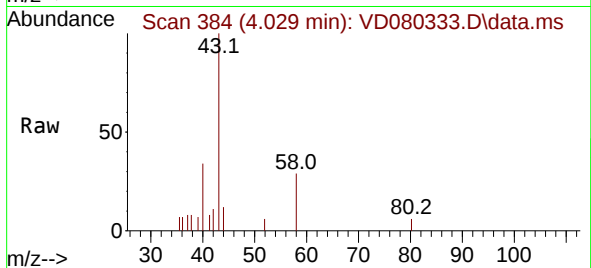




#16
Acetone
Concen: 33.986 ug/l
RT: 4.029 min Scan# 384
Delta R.T. 0.006 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

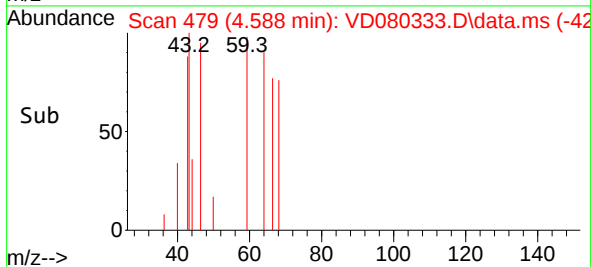
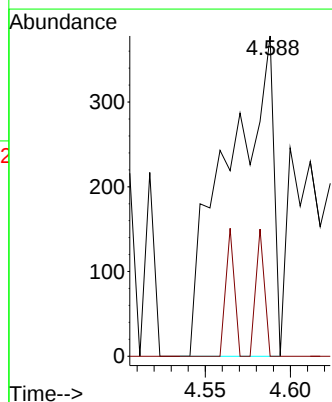
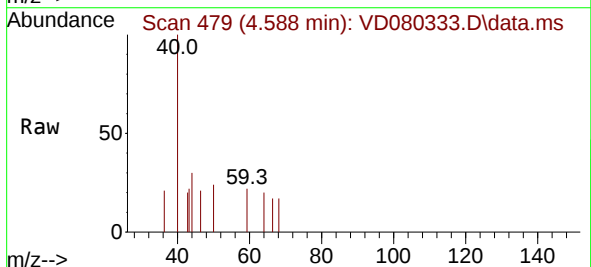
Instrument :
MSVOA_D
ClientSampleId :
TP-17

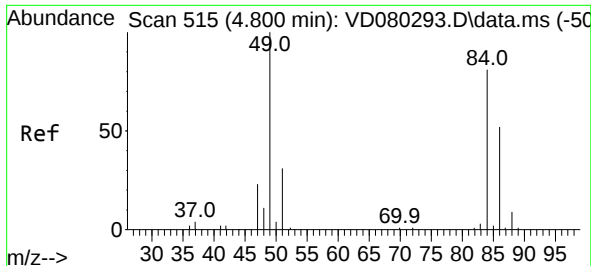
Tgt Ion: 43 Resp: 6993
Ion Ratio Lower Upper
43 100
58 28.9 25.4 38.2



#18
Methyl Acetate
Concen: 1.193 ug/l
RT: 4.588 min Scan# 479
Delta R.T. 0.024 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
74 7.6 20.5 30.7#

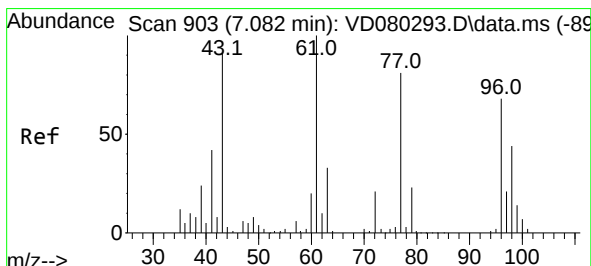
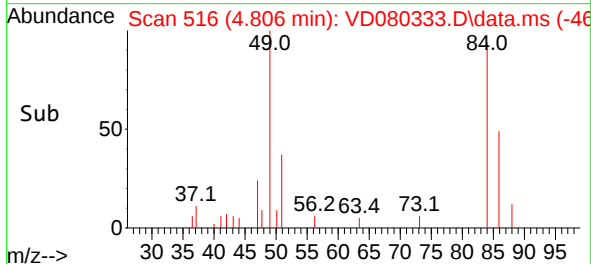
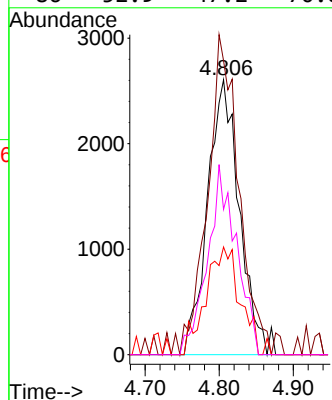
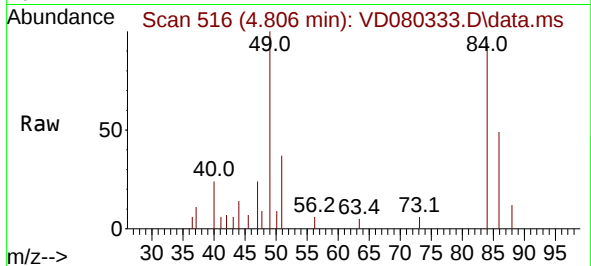




#20
Methylene Chloride
Concen: 4.550 ug/l
RT: 4.806 min Scan# 515
Delta R.T. 0.001 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

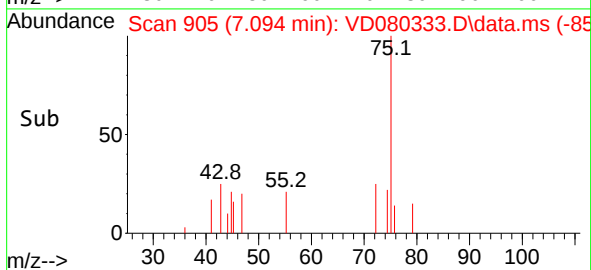
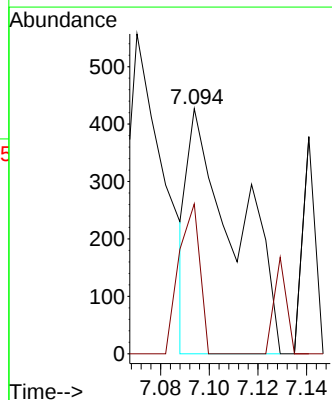
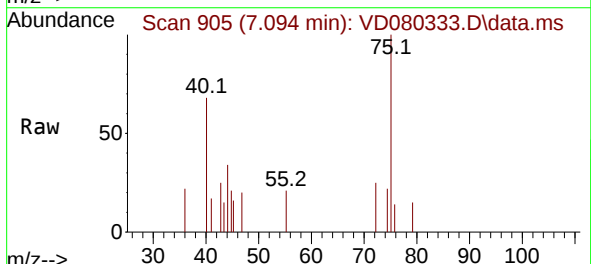
Instrument :
MSVOA_D
ClientSampleId :
TP-17

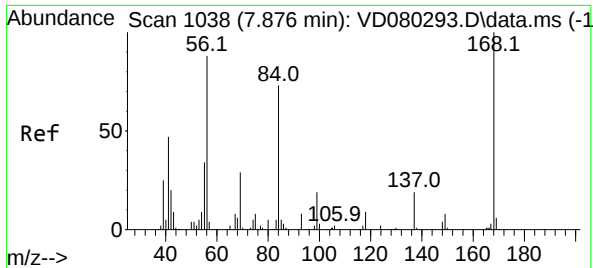
Tgt Ion: 84	Resp: 7788
Ion Ratio	Lower Upper
84 100	
49 106.9	86.5 129.7
51 39.2	26.9 40.3
86 52.9	47.2 70.8



#25
2-Butanone
Concen: 2.277 ug/l
RT: 7.094 min Scan# 905
Delta R.T. 0.007 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

Tgt Ion: 43	Resp: 569		
Ion Ratio	Lower	Upper	
43 100			
72 21.8	22.3	33.5#	





#31

Cyclohexane

Concen: 1.479 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. 0.001 min

Lab File: VD080333.D

Acq: 14 May 2025 20:10

Instrument :

MSVOA_D

ClientSampleId :

TP-17

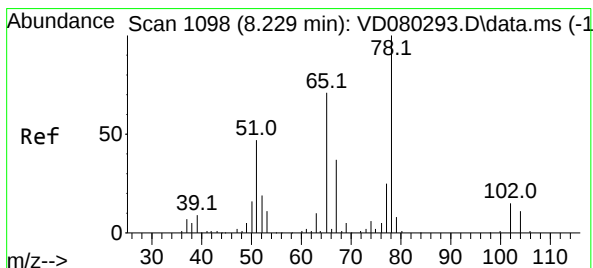
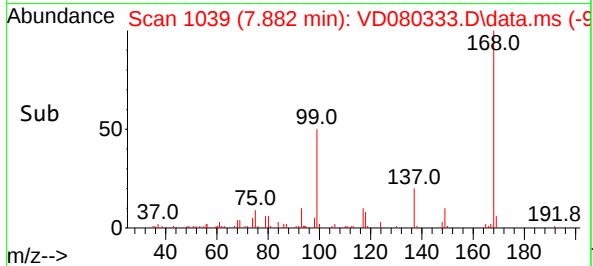
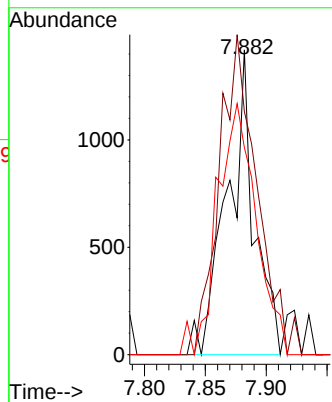
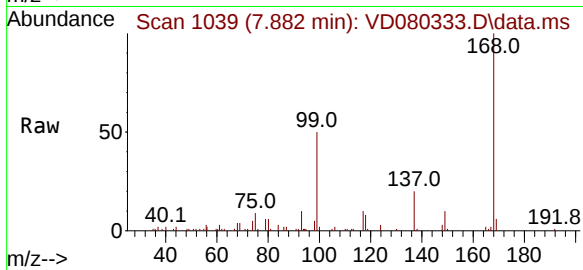
Tgt Ion: 56 Resp: 2183

Ion Ratio Lower Upper

56 100

69 79.8 27.3 40.9#

84 68.0 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 72.696 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.001 min

Lab File: VD080333.D

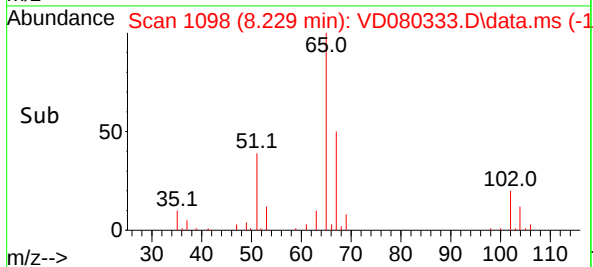
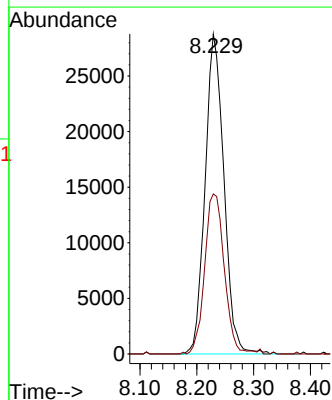
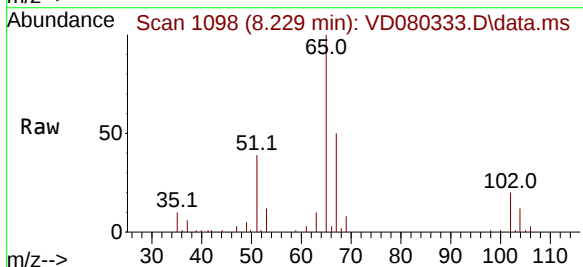
Acq: 14 May 2025 20:10

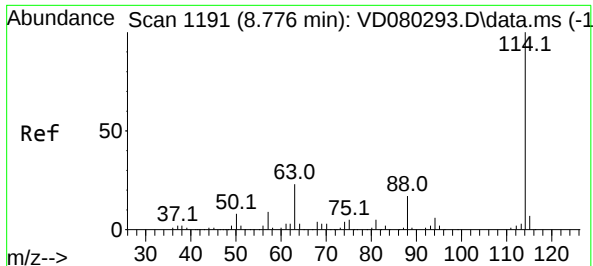
Tgt Ion: 65 Resp: 66029

Ion Ratio Lower Upper

65 100

67 52.2 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080333.D

Acq: 14 May 2025 20:10

Instrument :

MSVOA_D

ClientSampleId :

TP-17

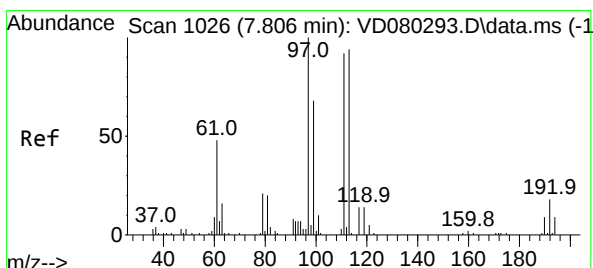
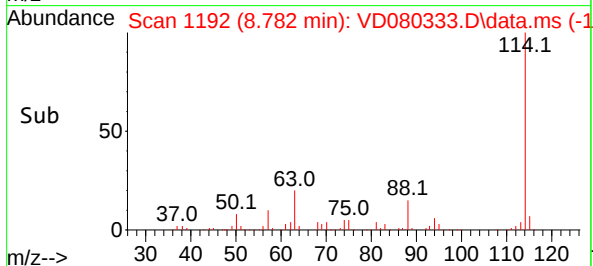
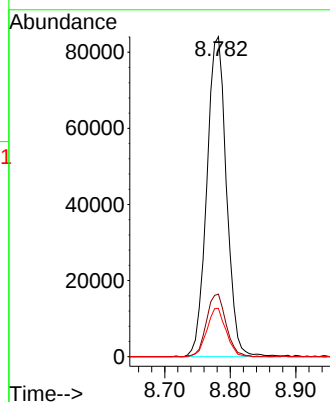
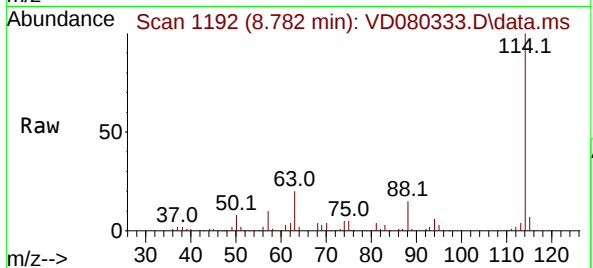
Tgt Ion:114 Resp: 175289

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 60.101 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080333.D

Acq: 14 May 2025 20:10

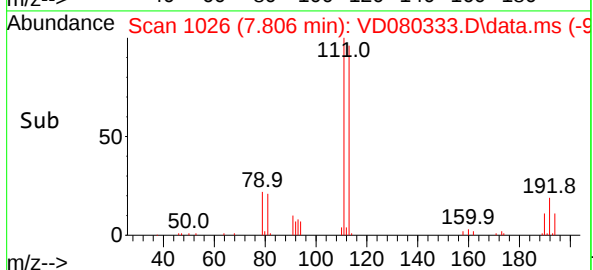
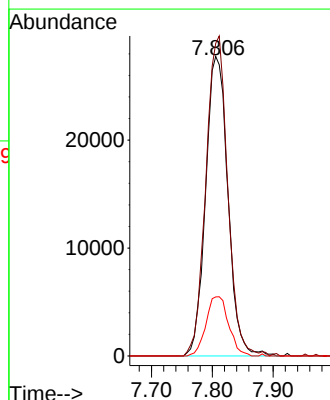
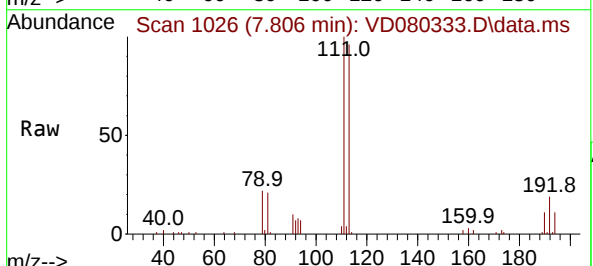
Tgt Ion:113 Resp: 70610

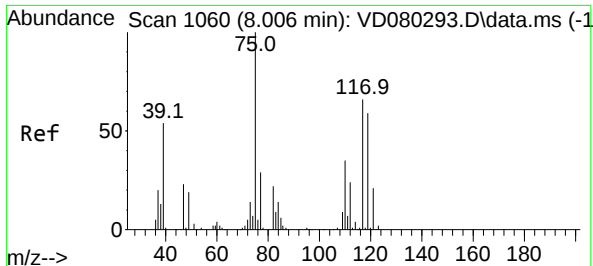
Ion Ratio Lower Upper

113 100

111 104.6 82.5 123.7

192 20.1 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.642 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.123 min

Lab File: VD080333.D

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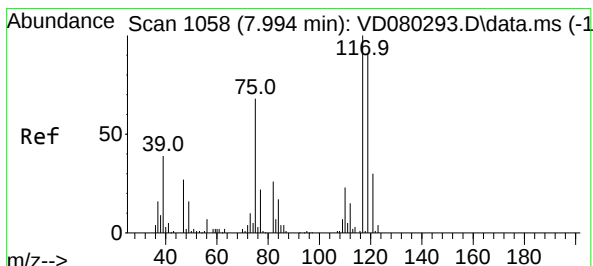
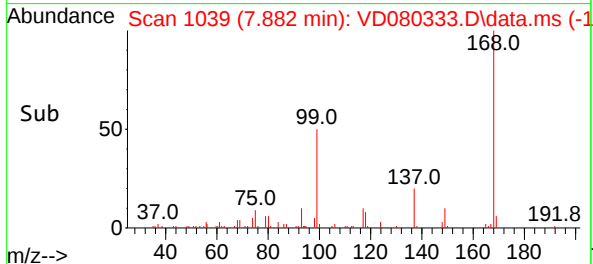
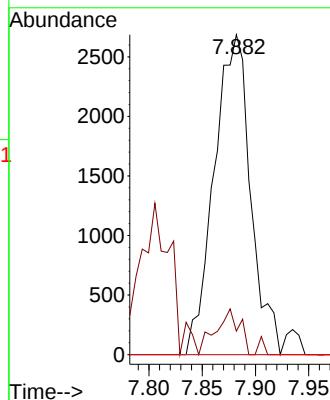
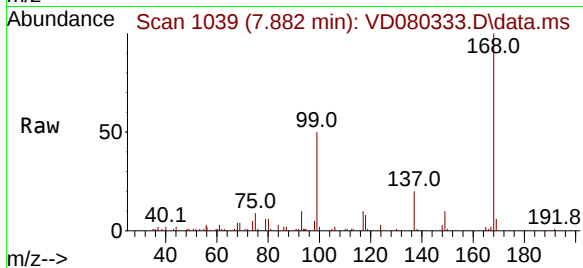
Tgt Ion: 75 Resp: 6394

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.835 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.105 min

Lab File: VD080333.D

Acq: 14 May 2025 20:10

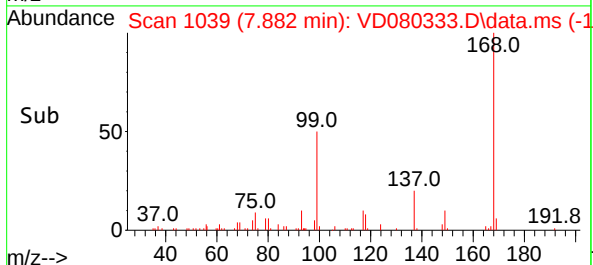
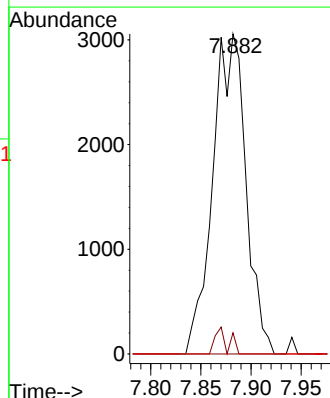
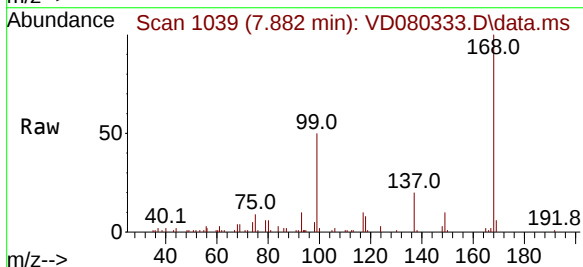
Tgt Ion: 117 Resp: 7022

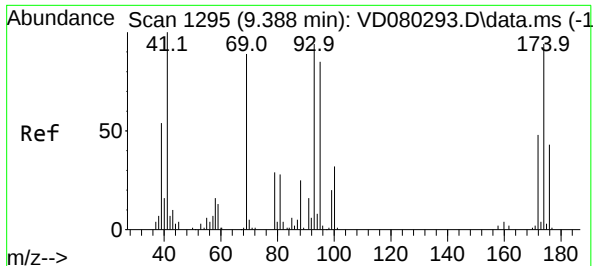
Ion Ratio Lower Upper

117 100

119 6.6 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 8.868 ug/l

RT: 9.429 min Scan# 11

Delta R.T. 0.042 min

Lab File: VD080333.D

Acq: 14 May 2025 20:10

Instrument :

MSVOA_D

ClientSampleId :

TP-17

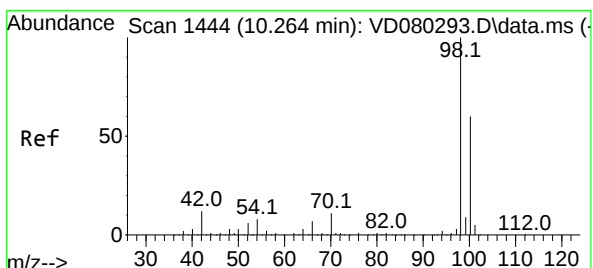
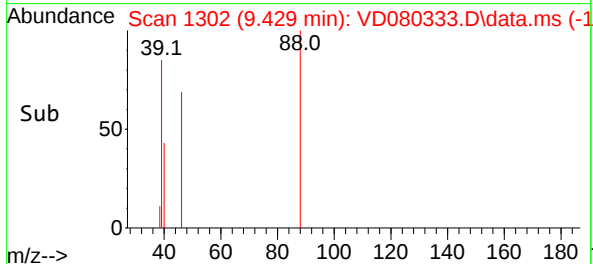
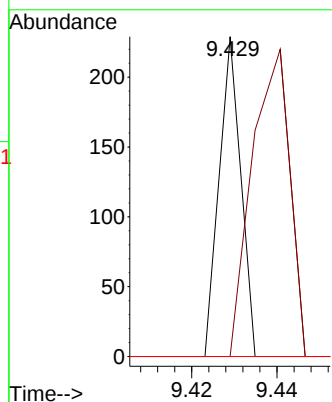
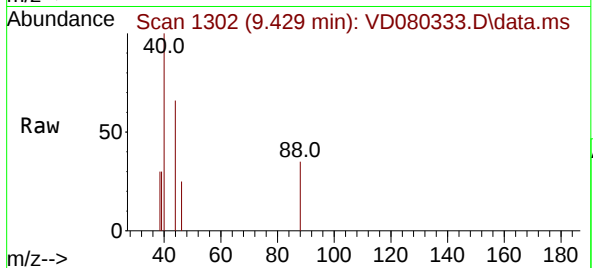
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 166.7 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 50.449 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080333.D

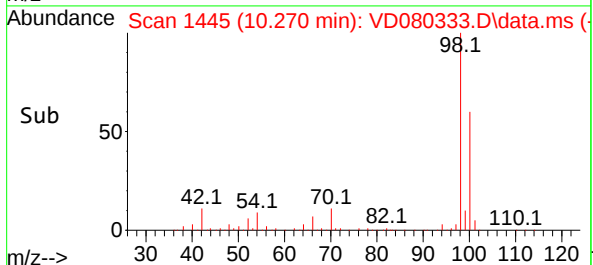
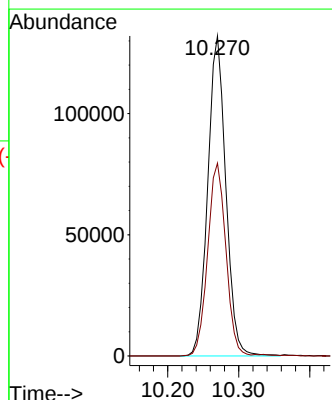
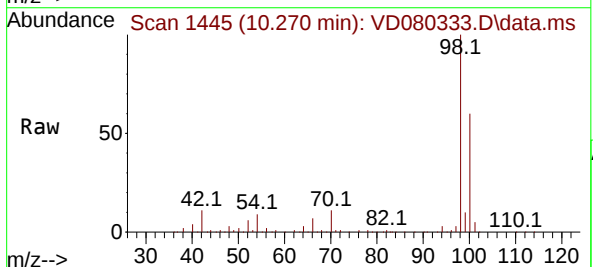
Acq: 14 May 2025 20:10

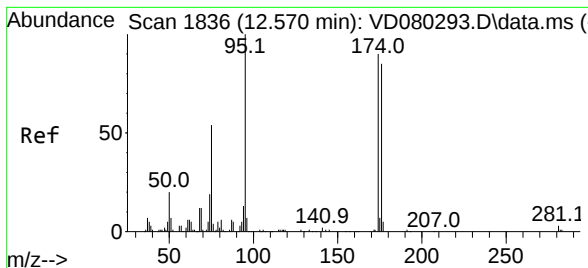
Tgt Ion: 98 Resp: 233533

Ion Ratio Lower Upper

98 100

100 60.6 50.2 75.4

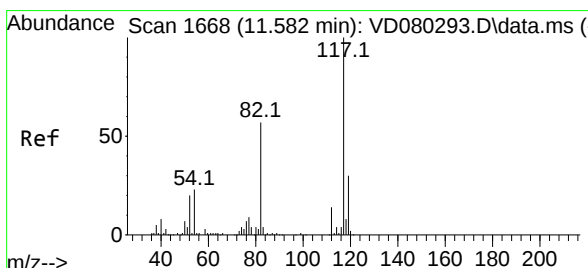
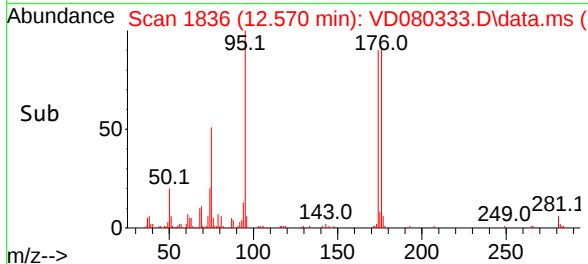
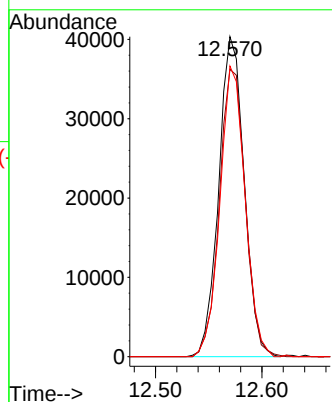
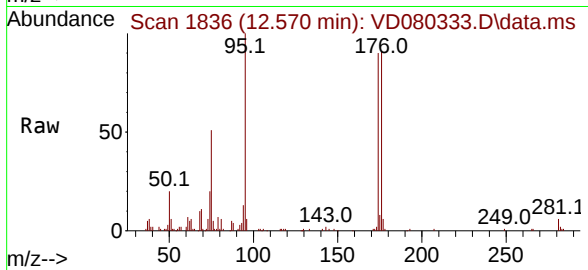




#62
4-Bromofluorobenzene
Concen: 45.119 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

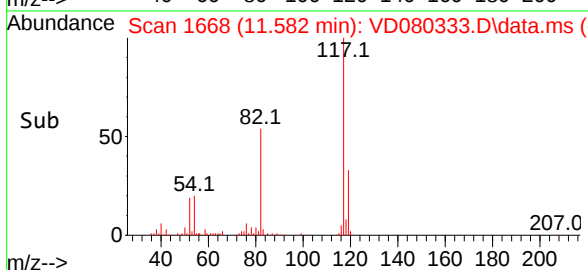
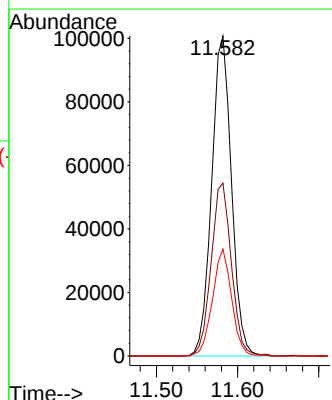
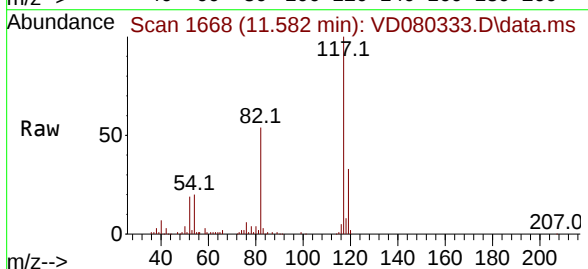
Instrument :
MSVOA_D
ClientSampleId :
TP-17

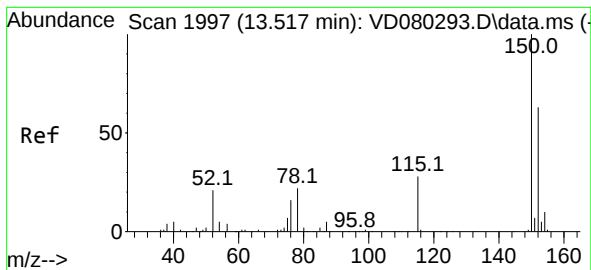
Tgt Ion: 95 Resp: 67037
Ion Ratio Lower Upper
95 100
174 90.9 0.0 173.4
176 89.3 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080333.D
Acq: 14 May 2025 20:10

Tgt Ion: 117 Resp: 170783
Ion Ratio Lower Upper
117 100
82 54.0 45.8 68.6
119 33.4 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: VD080333.D

Acq: 14 May 2025 20:10

Instrument :

MSVOA_D

ClientSampleId :

TP-17

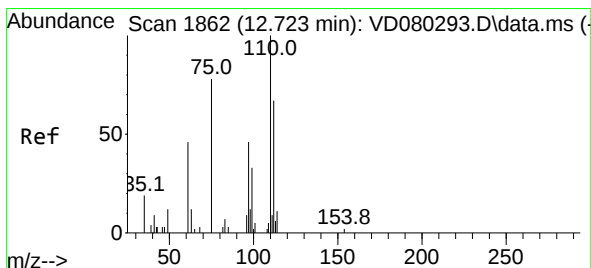
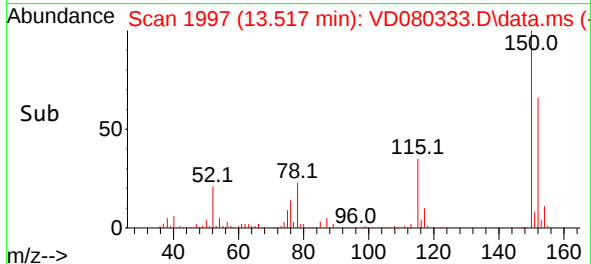
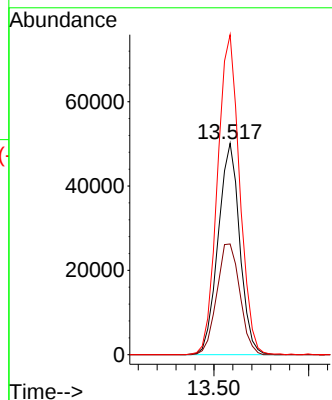
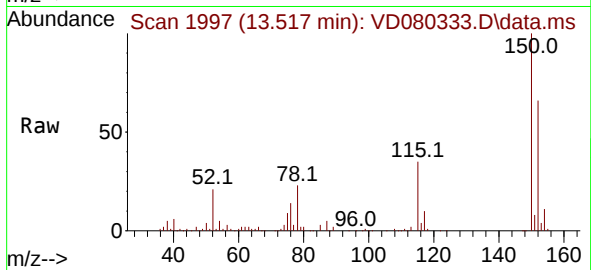
Tgt Ion:152 Resp: 79381

Ion Ratio Lower Upper

152 100

115 56.0 28.9 86.8

150 155.1 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 45.214 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. -0.152 min

Lab File: VD080333.D

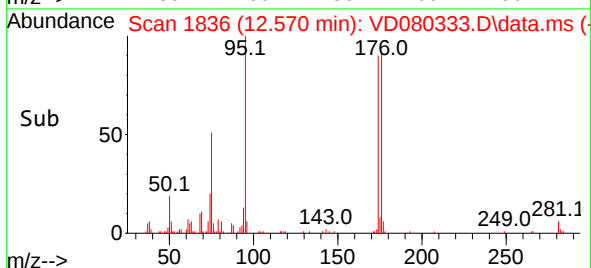
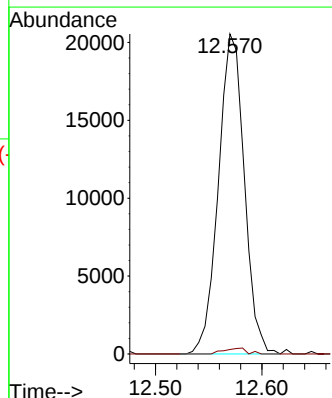
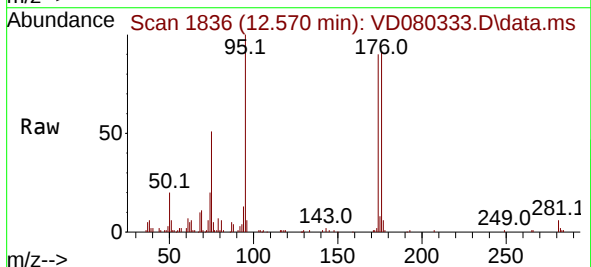
Acq: 14 May 2025 20:10

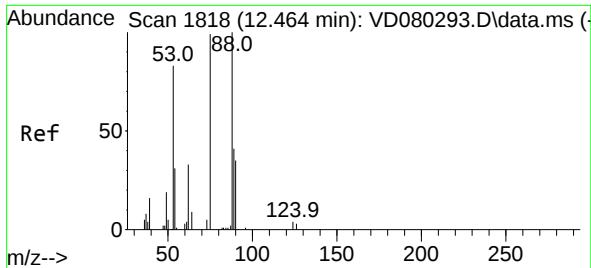
Tgt Ion: 75 Resp: 34640

Ion Ratio Lower Upper

75 100

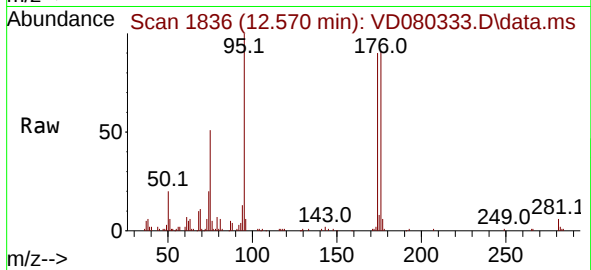
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.824 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080333.D
 Acq: 14 May 2025 20:10

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-17



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.8	68.7	103.1#
89	0.0	36.1	54.1#

