

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080334.D
 Acq On : 14 May 2025 20:37
 Operator : RP/MD
 Sample : Q2043-01
 Misc : 3.91G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 281

Quant Time: May 15 03:40:24 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)

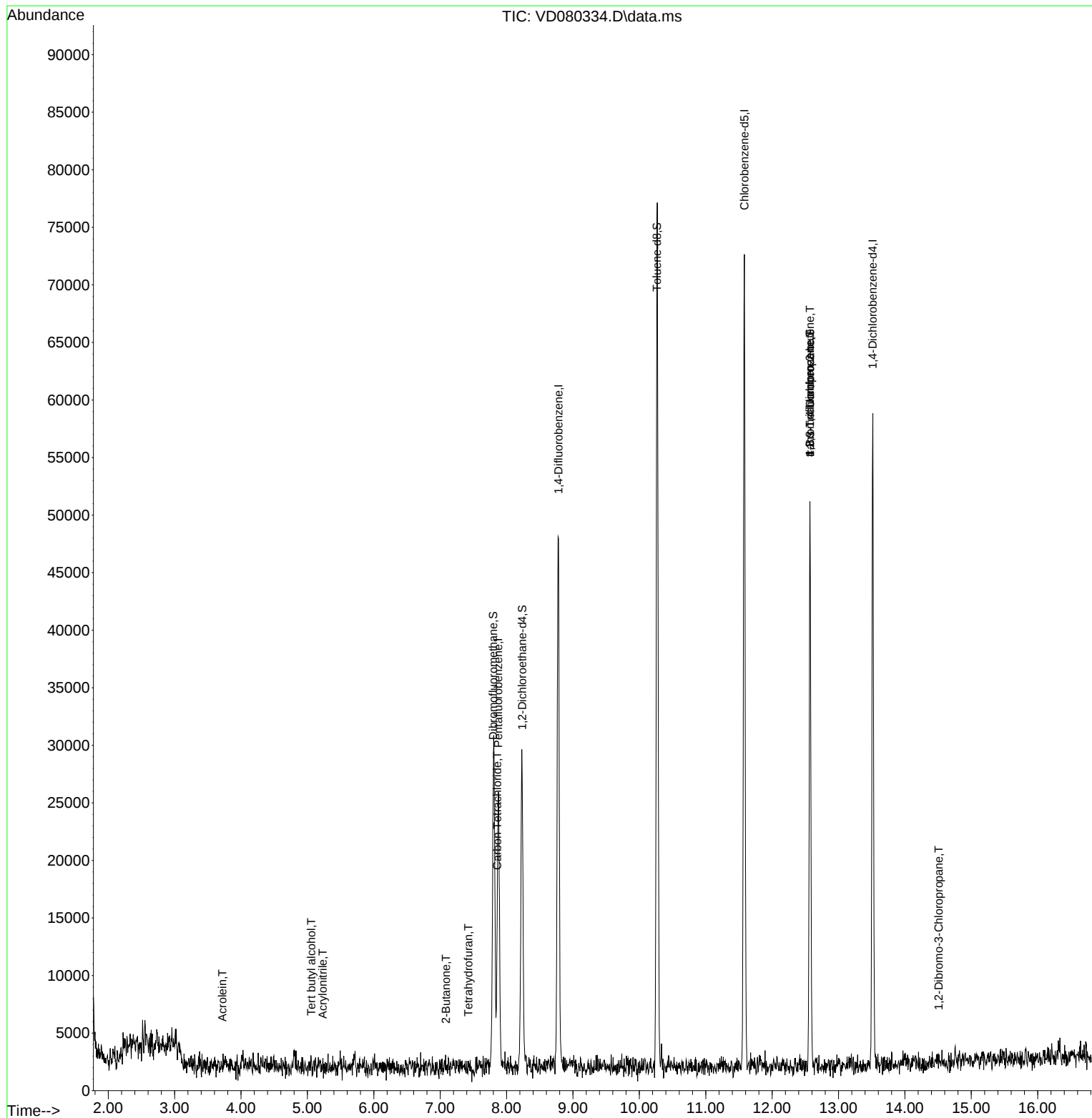
Internal Standards						
1) Pentafluorobenzene	7.876	168	17190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	39655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	38874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	14821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	20660	92.939	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 185.880%#	
35) Dibromofluoromethane	7.800	113	20134	75.754	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 151.500%#	
50) Toluene-d8	10.264	98	52903	50.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.040%	
62) 4-Bromofluorobenzene	12.570	95	14511	43.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.340%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.853	85	54	Below Cal	#	43
3) Chloromethane	2.141	50	126	Below Cal	#	22
11) Tert butyl alcohol	5.059	59	156	11.565	ug/l #	82
13) Acrolein	3.717	56	62	2.612	ug/l #	81
15) Acrylonitrile	5.229	53	66	1.298	ug/l #	13
16) Acetone	4.023	43	625	Below Cal	#	43
20) Methylene Chloride	4.800	84	235	Below Cal	#	33
25) 2-Butanone	7.088	43	67	1.095	ug/l #	47
29) Tetrahydrofuran	7.423	42	144	3.611	ug/l #	32
38) Carbon Tetrachloride	7.858	117	2013	4.859	ug/l #	14
76) 1,2,3-Trichloropropane	12.570	75	7667	53.600	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	7667	101.741	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.511	75	59	1.751	ug/l #	2

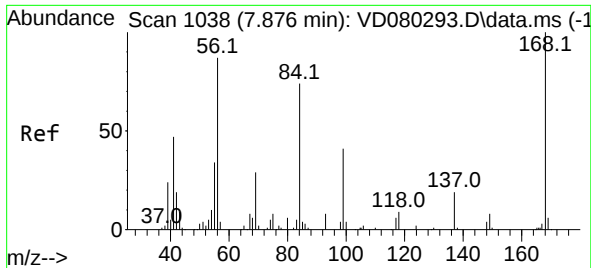
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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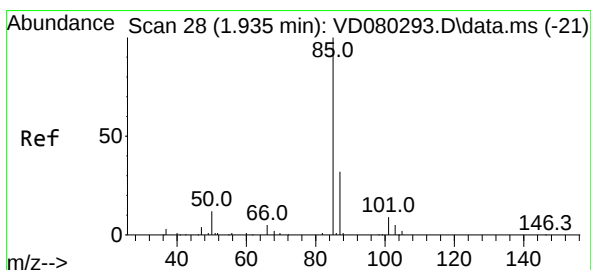
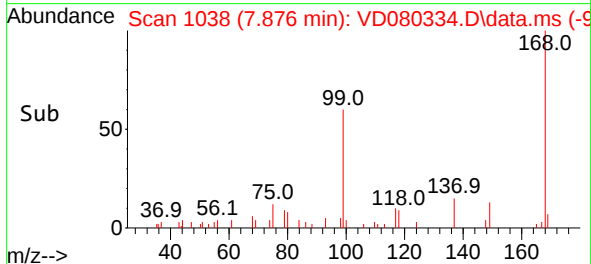
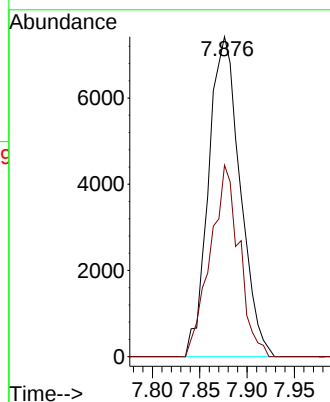
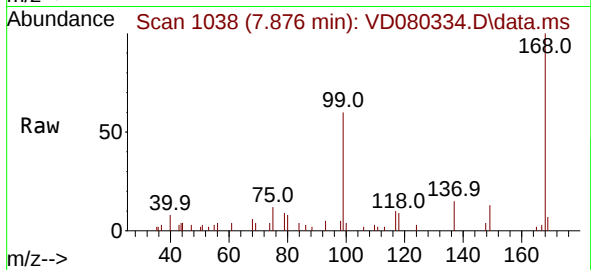




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

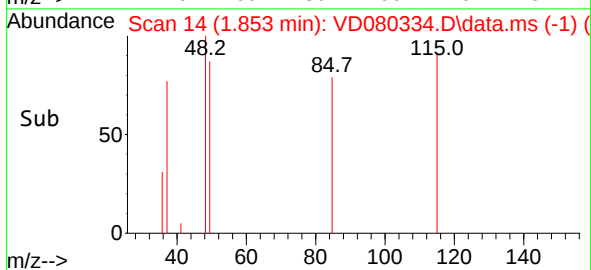
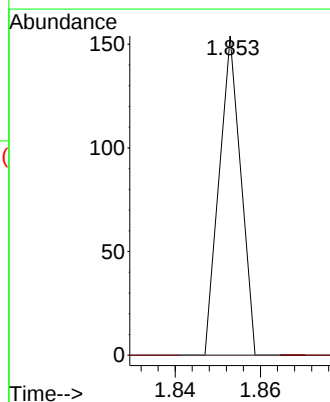
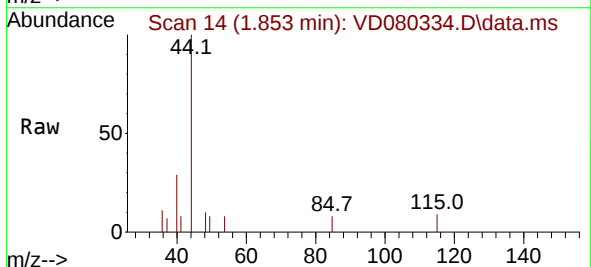
Instrument :
MSVOA_D
ClientSampleId :
281

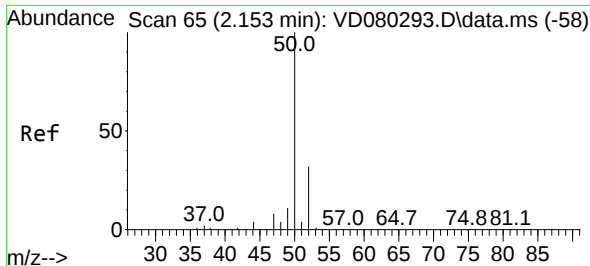
Tgt Ion:168 Resp: 17190
Ion Ratio Lower Upper
168 100
99 59.9 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.853 min Scan# 14
Delta R.T. -0.081 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

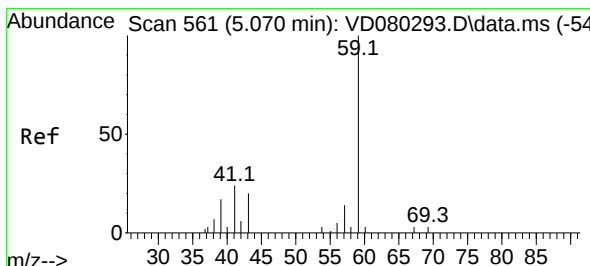
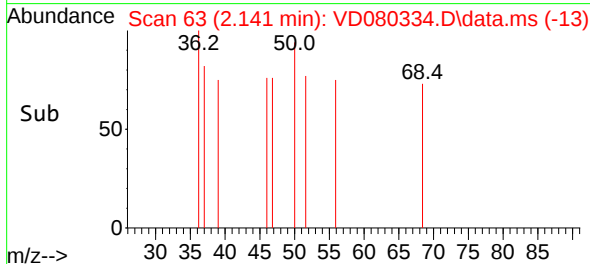
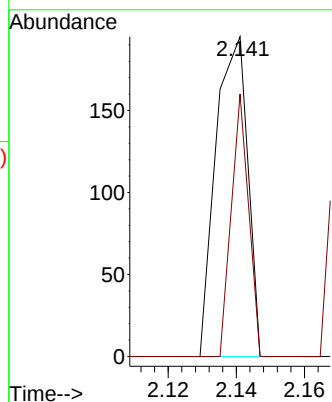
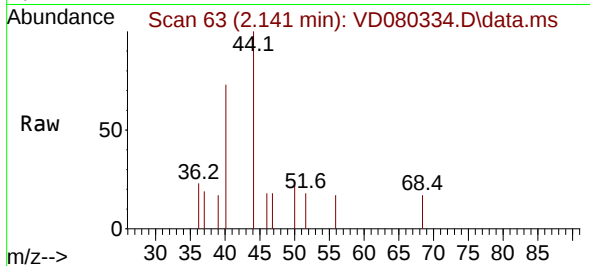




#3
Chloromethane
Concen: Below Cal
RT: 2.141 min Scan# 61
Delta R.T. -0.005 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

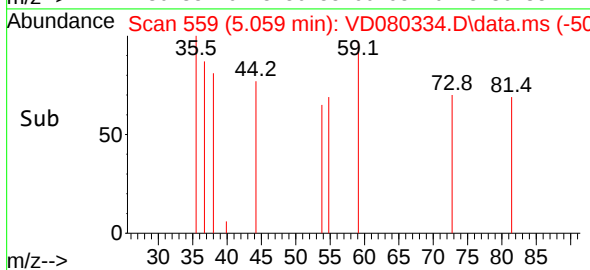
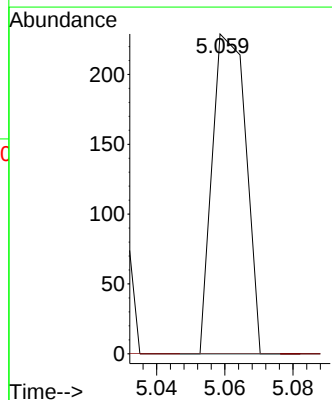
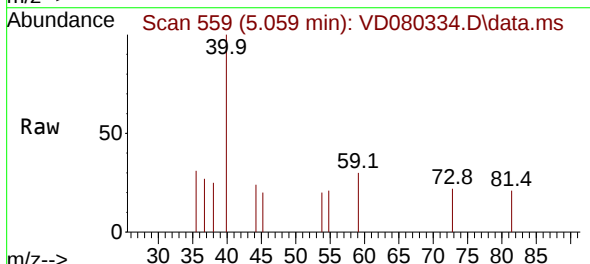
Instrument :
MSVOA_D
ClientSampleId :
281

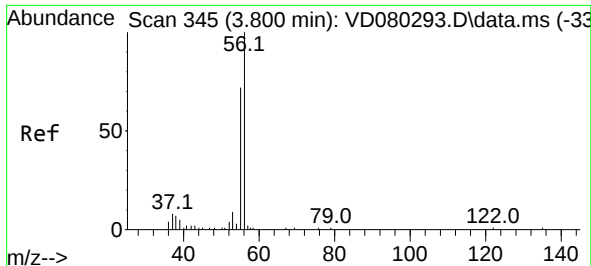
Tgt Ion: 50 Resp: 126
Ion Ratio Lower Upper
50 100
52 82.1 28.8 43.2#



#11
Tert butyl alcohol
Concen: 11.565 ug/l
RT: 5.059 min Scan# 559
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#





#13

Acrolein

Concen: 2.612 ug/l

RT: 3.717 min Scan# 31

Delta R.T. -0.076 min

Lab File: VD080334.D

Acq: 14 May 2025 20:37

Instrument :

MSVOA_D

ClientSampleId :

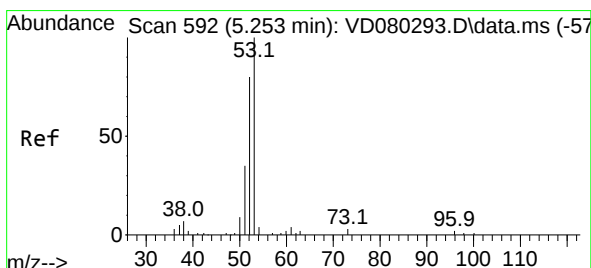
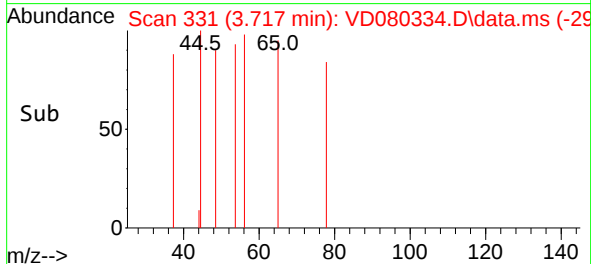
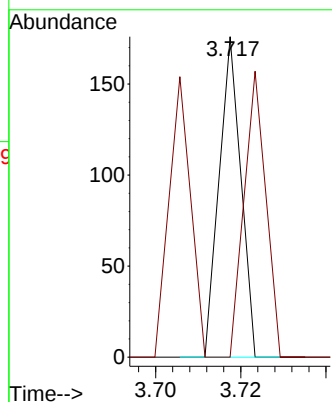
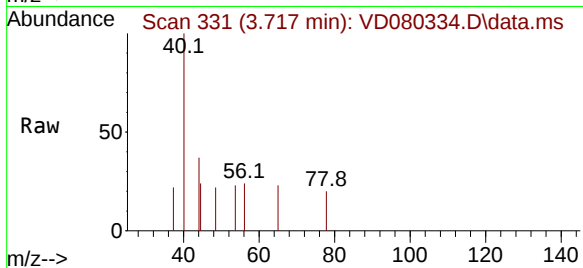
281

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 88.7 58.2 87.2#



#15

Acrylonitrile

Concen: 1.298 ug/l

RT: 5.229 min Scan# 588

Delta R.T. -0.023 min

Lab File: VD080334.D

Acq: 14 May 2025 20:37

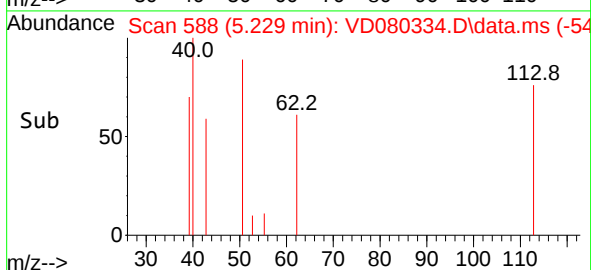
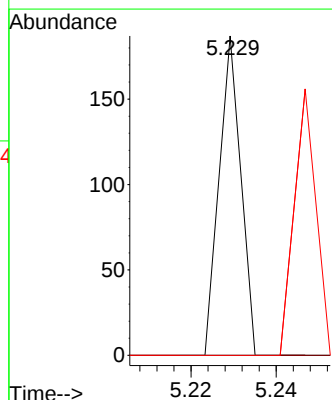
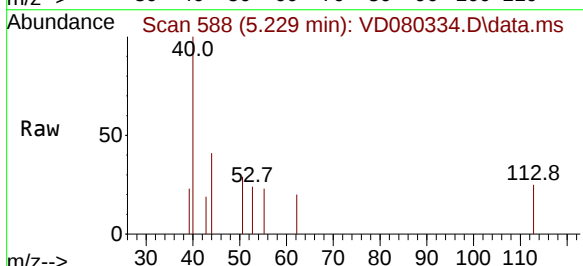
Tgt Ion: 53 Resp: 66

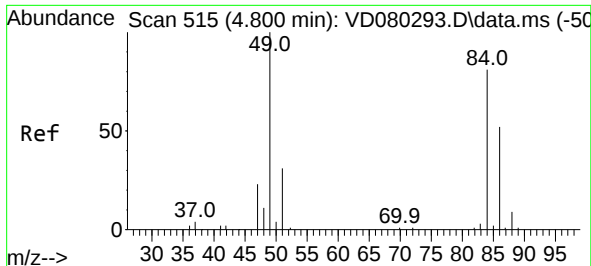
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.4#

51 83.3 30.3 45.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.800 min Scan# 515

Delta R.T. -0.005 min

Lab File: VD080334.D

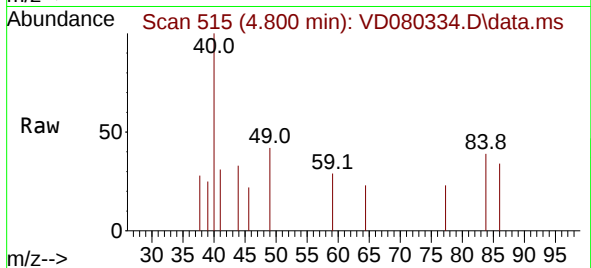
Acq: 14 May 2025 20:37

Instrument :

MSVOA_D

ClientSampleId :

281



Tgt Ion: 84 Resp: 235

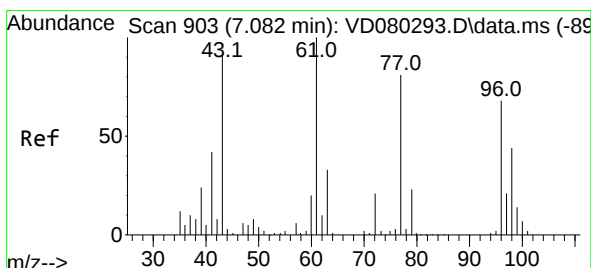
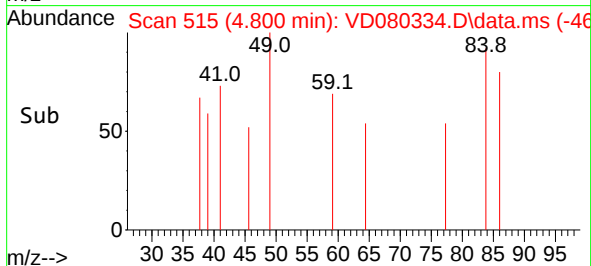
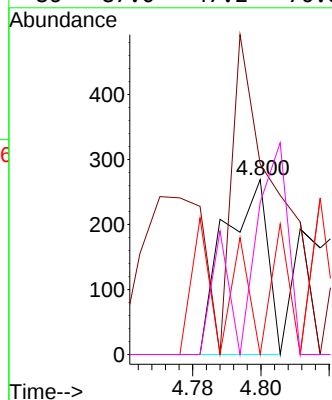
Ion Ratio Lower Upper

84 100

49 19.3 86.5 129.7#

51 0.0 26.9 40.3#

86 87.0 47.2 70.8#



#25

2-Butanone

Concen: 1.095 ug/l

RT: 7.088 min Scan# 904

Delta R.T. 0.001 min

Lab File: VD080334.D

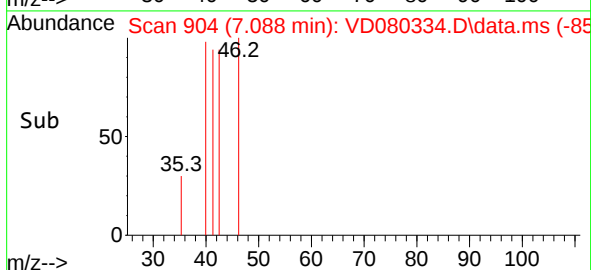
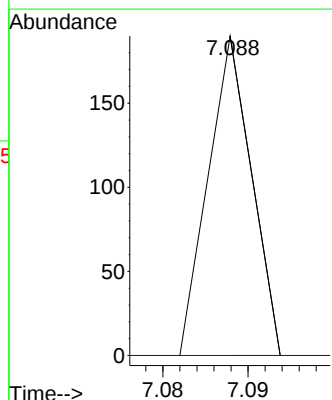
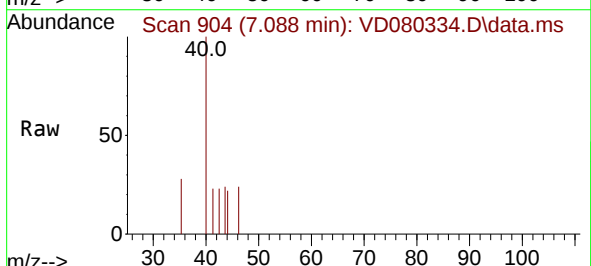
Acq: 14 May 2025 20:37

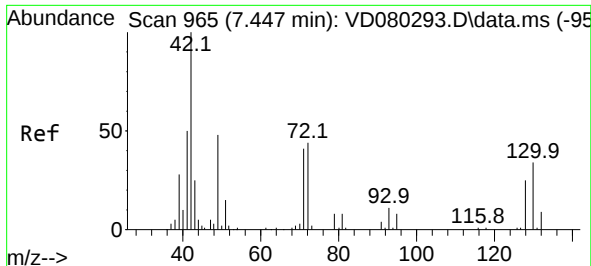
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#





#29

Tetrahydrofuran

Concen: 3.611 ug/l

RT: 7.423 min Scan# 91

Delta R.T. -0.023 min

Lab File: VD080334.D

Acq: 14 May 2025 20:37

Instrument :

MSVOA_D

ClientSampleId :

281

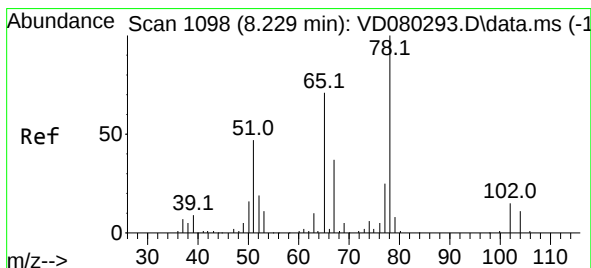
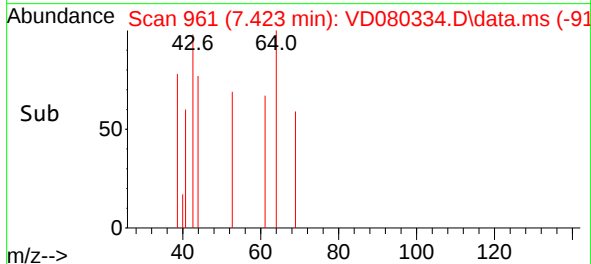
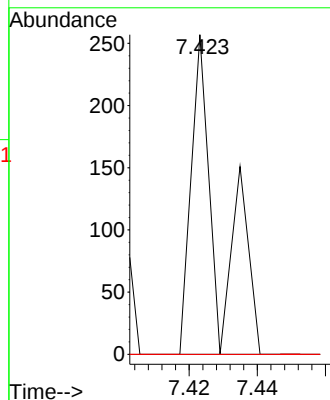
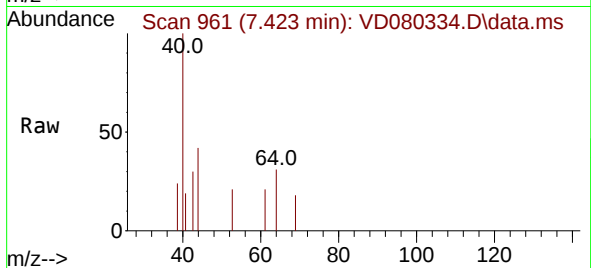
Tgt Ion: 42 Resp: 144

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.4 51.6#



#33

1,2-Dichloroethane-d4

Concen: 92.939 ug/l

RT: 8.235 min Scan# 1099

Delta R.T. 0.007 min

Lab File: VD080334.D

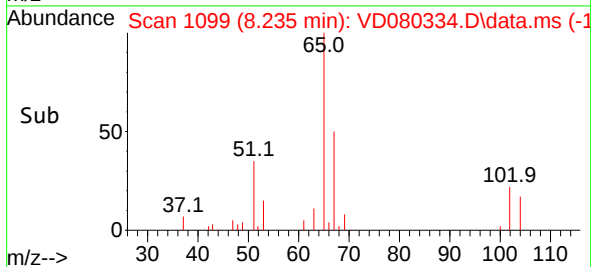
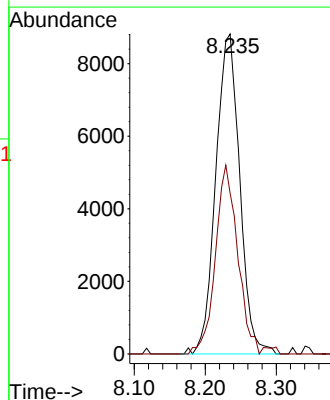
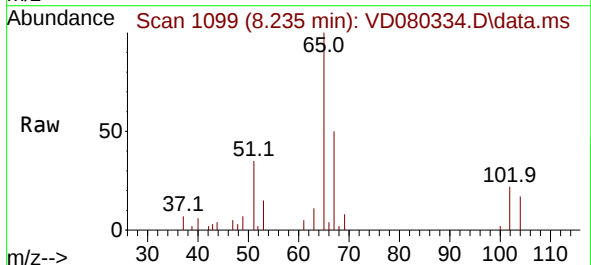
Acq: 14 May 2025 20:37

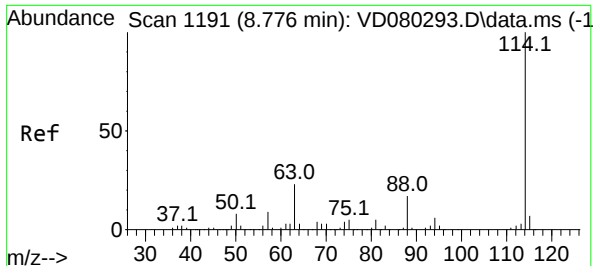
Tgt Ion: 65 Resp: 20660

Ion Ratio Lower Upper

65 100

67 55.2 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: VD080334.D

Acq: 14 May 2025 20:37

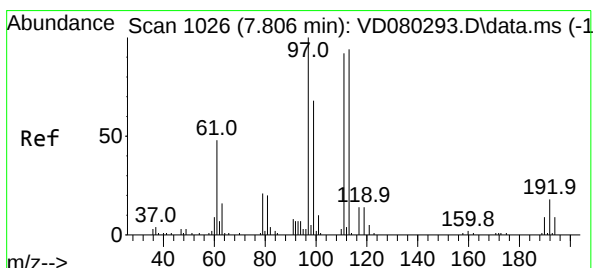
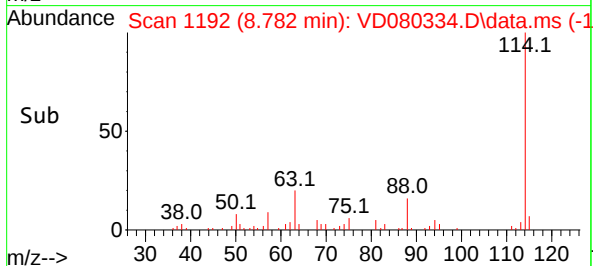
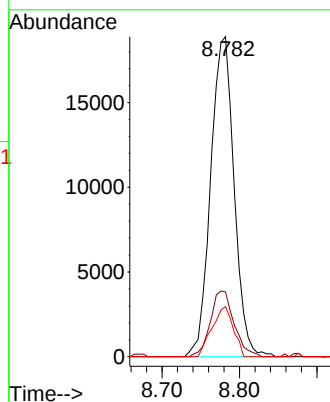
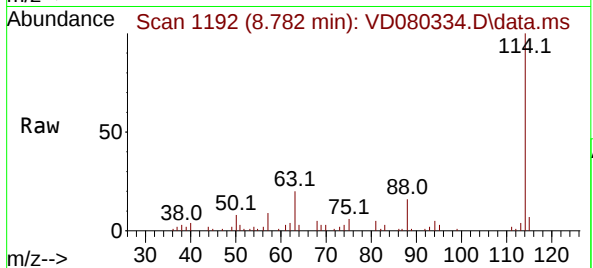
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:114	Resp:	39655
Ion Ratio	Lower	Upper
114	100	
63	20.3	0.0 38.8
88	15.7	0.0 30.6



#35

Dibromofluoromethane

Concen: 75.754 ug/l

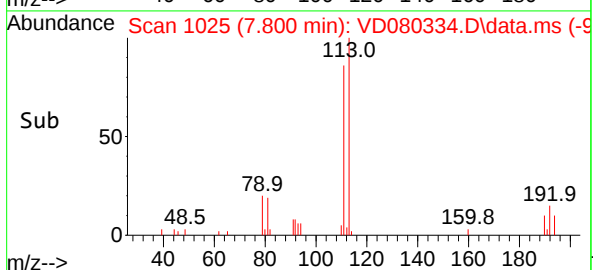
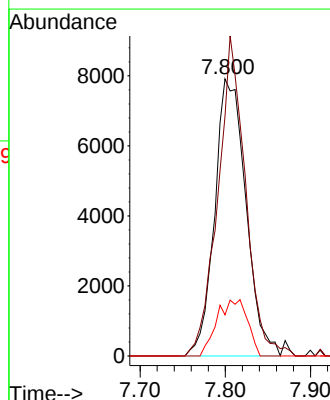
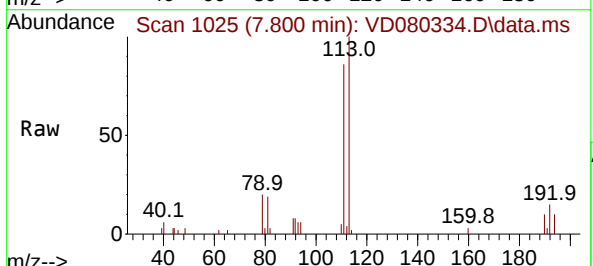
RT: 7.800 min Scan# 1025

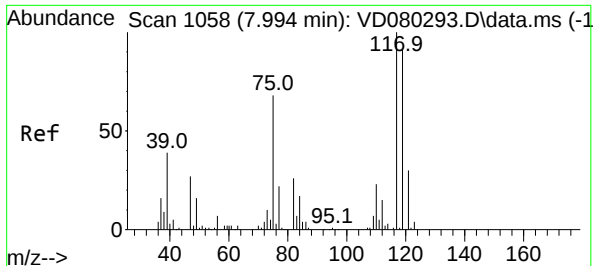
Delta R.T. -0.005 min

Lab File: VD080334.D

Acq: 14 May 2025 20:37

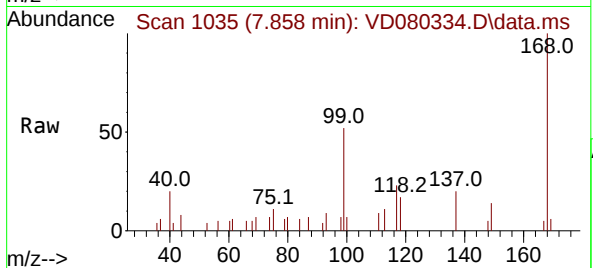
Tgt Ion:113	Resp:	20134
Ion Ratio	Lower	Upper
113	100	
111	101.8	82.5 123.7
192	19.9	16.6 25.0



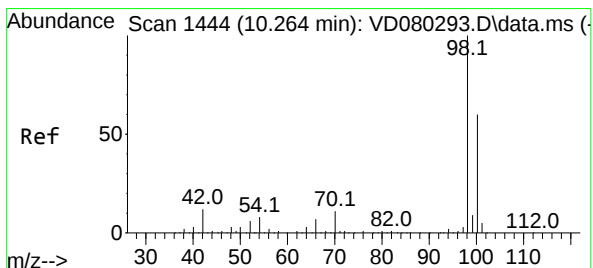
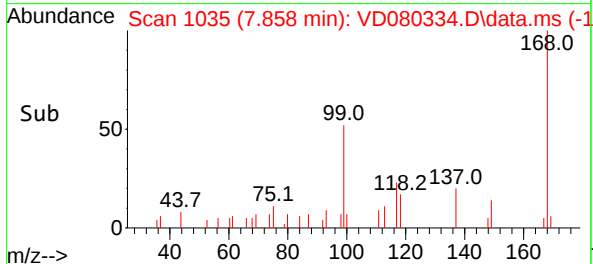
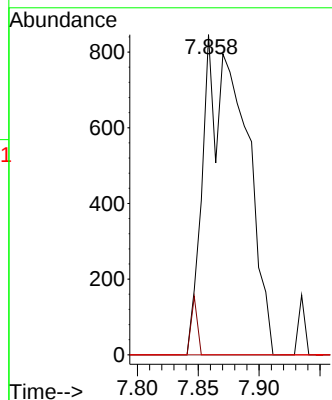


#38
Carbon Tetrachloride
Concen: 4.859 ug/l
RT: 7.858 min Scan# 1035
Delta R.T. -0.129 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Instrument :
MSVOA_D
ClientSampleId :
281

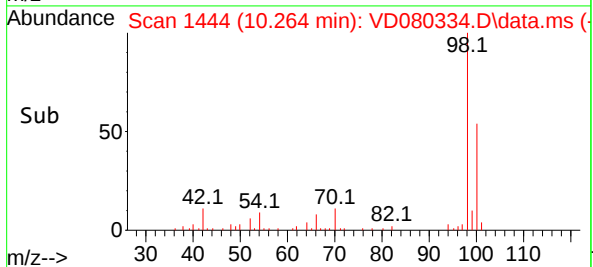
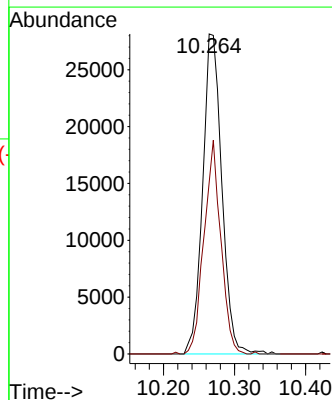
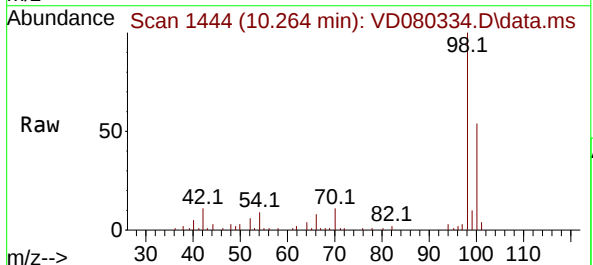


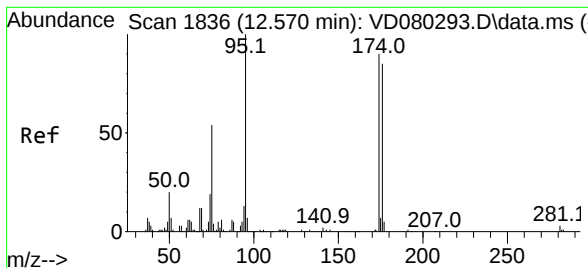
Tgt Ion:117 Resp: 2013
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.518 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. -0.005 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion: 98 Resp: 52903
Ion Ratio Lower Upper
98 100
100 58.8 50.2 75.4

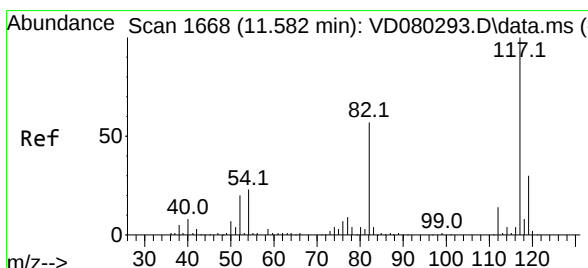
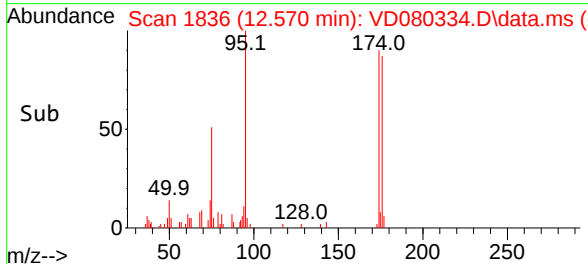
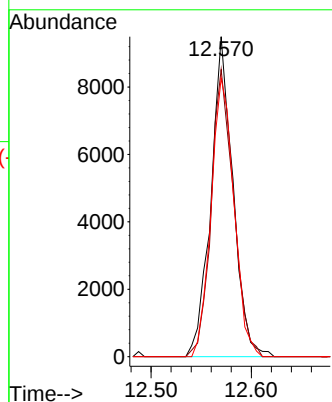
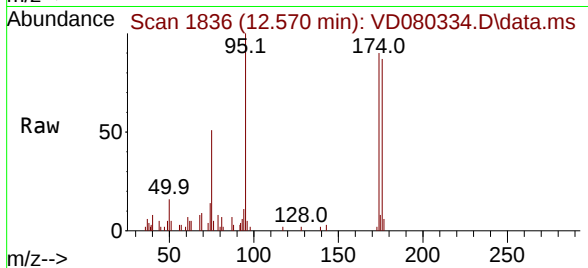




#62
4-Bromofluorobenzene
Concen: 43.172 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

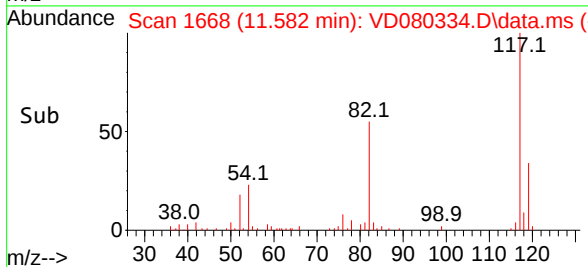
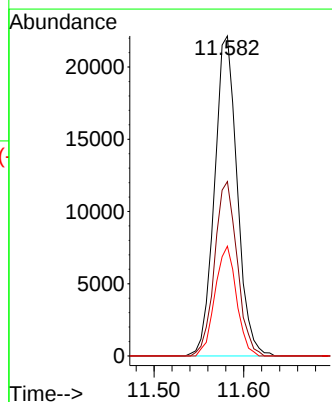
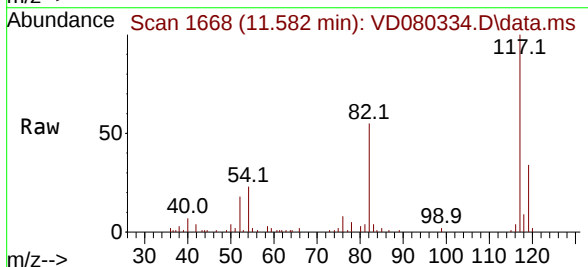
Instrument :
MSVOA_D
ClientSampleId :
281

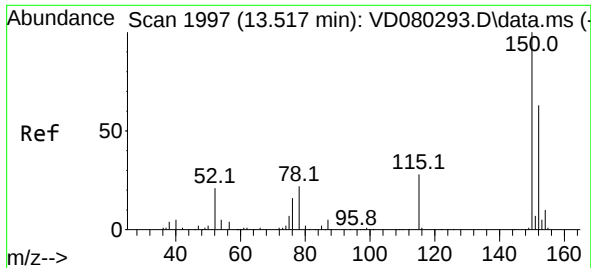
Tgt Ion:	95	Resp:	14511
Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	173.4
176	90.3	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion:	117	Resp:	38874
Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.8	68.6
119	34.3	26.2	39.2

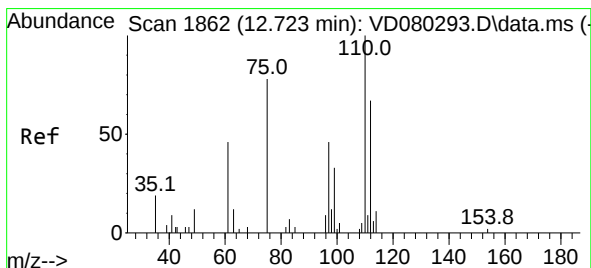
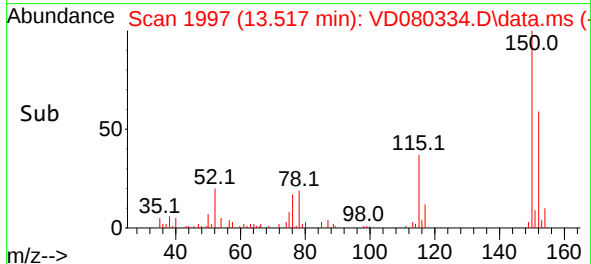
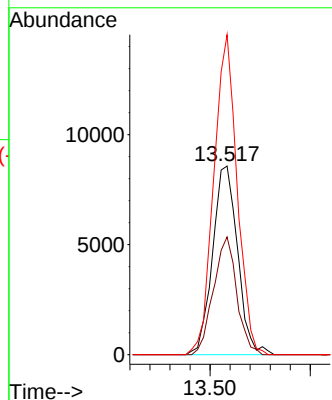
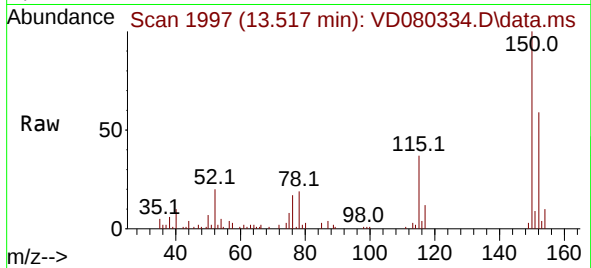




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

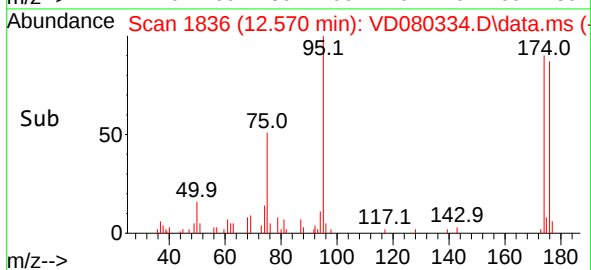
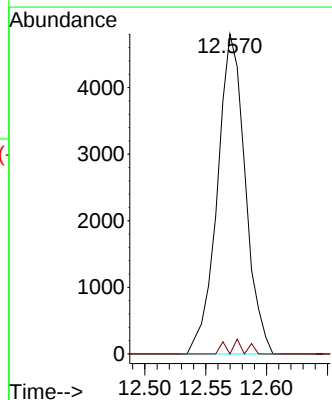
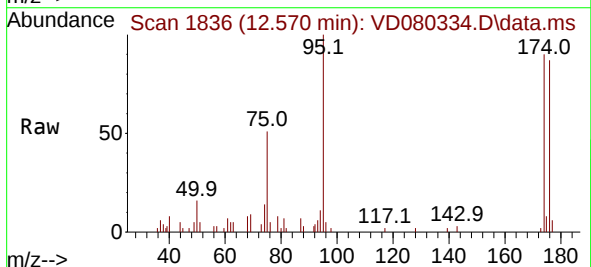
Instrument :
MSVOA_D
ClientSampleId :
281

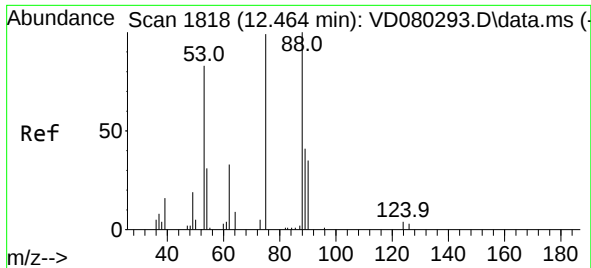
Tgt Ion:152 Resp: 14821
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.8
150 158.2 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 53.600 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.152 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion: 75 Resp: 7667
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

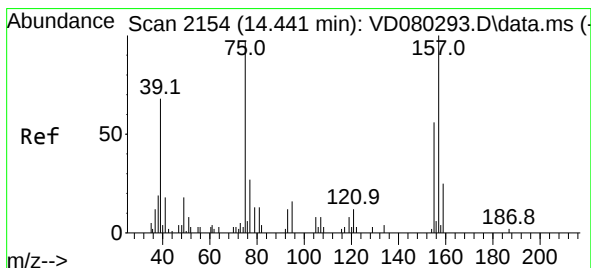
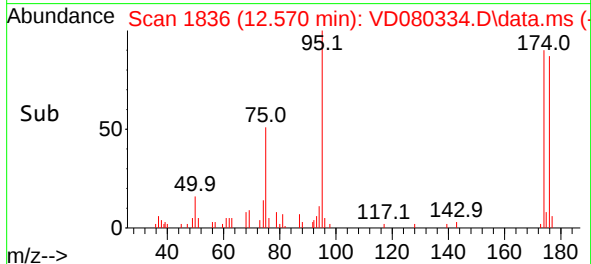
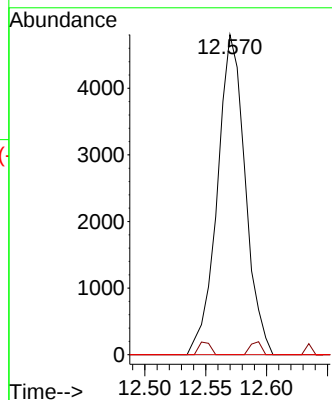
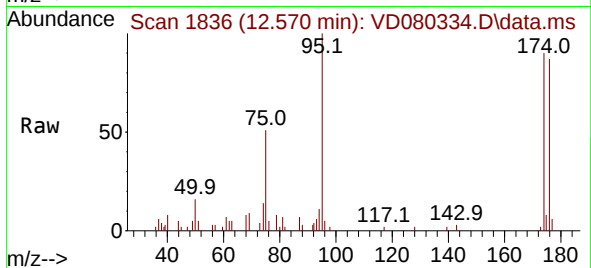




#81
trans-1,4-Dichloro-2-butene
Concen: 101.741 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Instrument :
MSVOA_D
ClientSampleId :
281

Tgt Ion: 75 Resp: 7667
Ion Ratio Lower Upper
75 100
53 0.0 68.7 103.1#
89 0.0 36.1 54.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.751 ug/l
RT: 14.511 min Scan# 2166
Delta R.T. 0.071 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 40.6 122.0#
157 0.0 53.3 159.9#

