

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080318.D
 Acq On : 14 May 2025 12:59
 Operator : RP/MD
 Sample : VY0514SBL01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBL01

Quant Time: May 15 03:33:22 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)

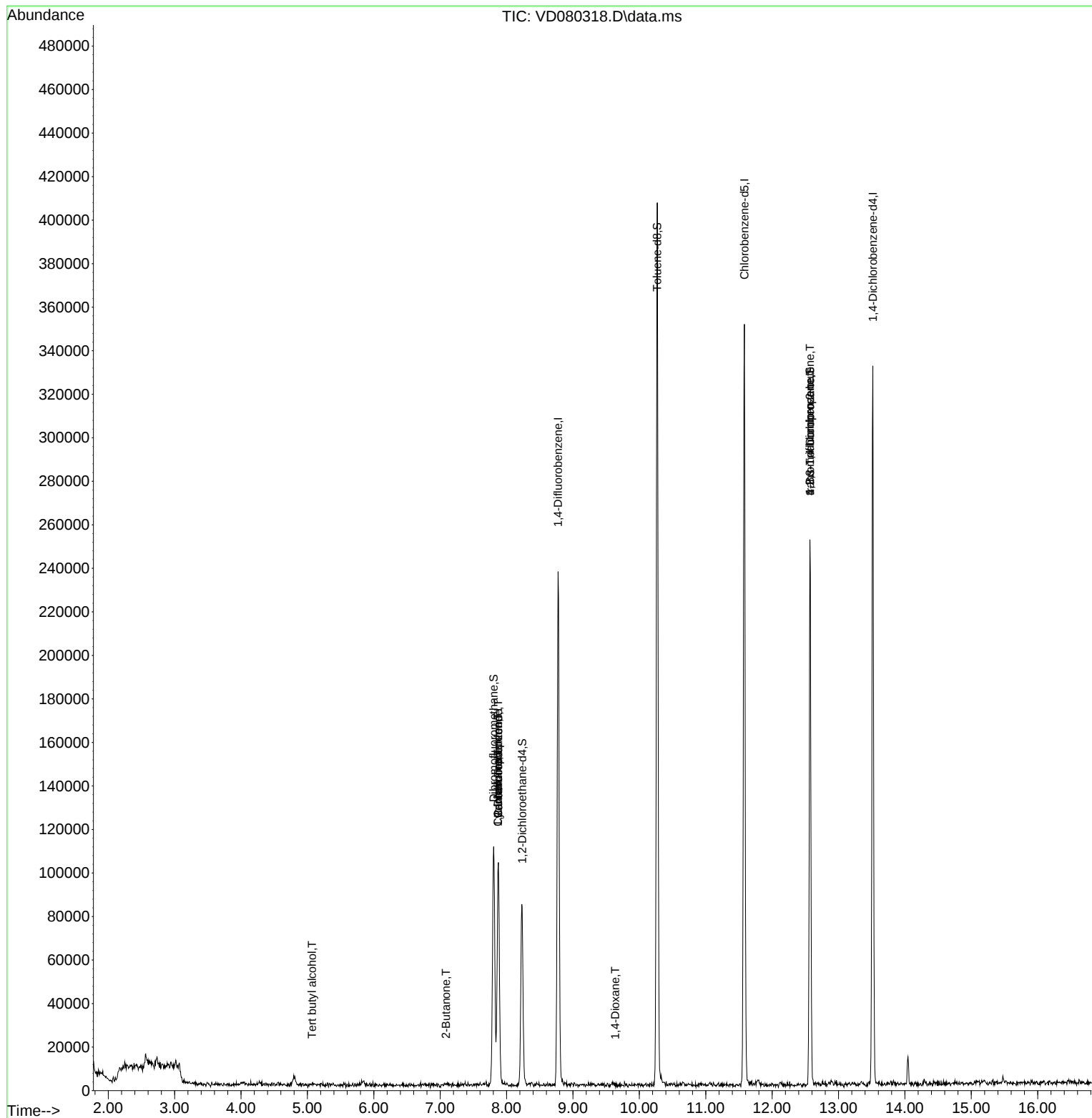
Internal Standards						
1) Pentafluorobenzene	7.876	168	76535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	201385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	193499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	66495	67.185	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.380%
35) Dibromofluoromethane	7.805	113	79131	58.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.260%
50) Toluene-d8	10.270	98	270367	50.838	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.680%
62) 4-Bromofluorobenzene	12.570	95	76547	44.844	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.680%
Target Compounds						
2) Dichlorodifluoromethane	1.929	85	198	Below Cal	#	43
3) Chloromethane	2.159	50	659	Below Cal	#	57
11) Tert butyl alcohol	5.070	59	69	1.149	ug/l #	82
16) Acetone	4.023	43	2585	Below Cal	#	81
20) Methylene Chloride	4.800	84	2820	Below Cal	#	79
25) 2-Butanone	7.088	43	320	1.175	ug/l #	47
31) Cyclohexane	7.870	56	2549	1.585	ug/l #	16
36) 1,1-Dichloropropene	7.870	75	6542	3.243	ug/l #	47
38) Carbon Tetrachloride	7.876	117	7423	3.528	ug/l #	23
49) 1,4-Dioxane	9.635	88	66	6.290	ug/l #	9
76) 1,2,3-Trichloropropane	12.570	75	38881	46.198	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	38881	87.692	ug/l #	15

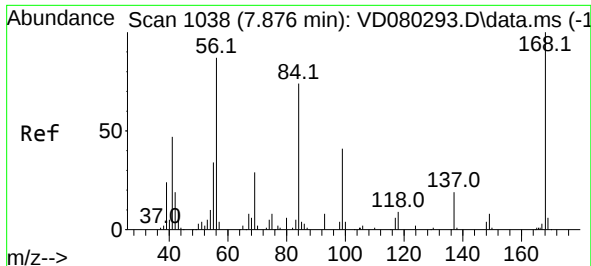
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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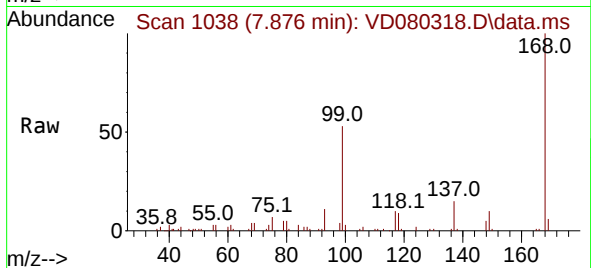
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
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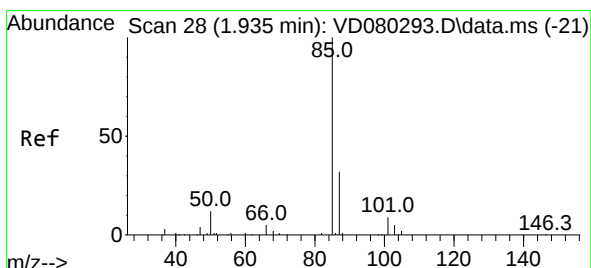
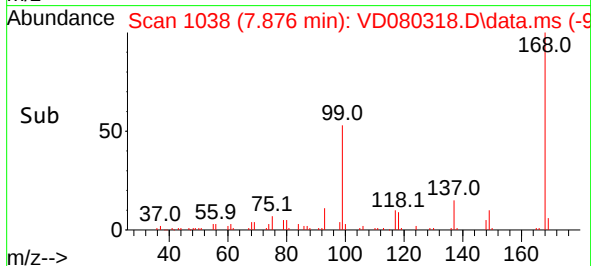
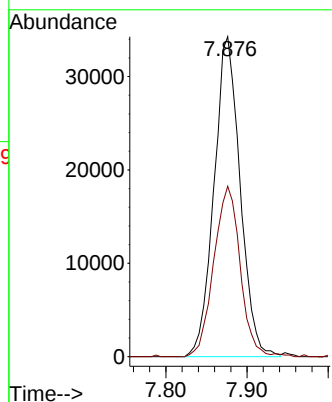


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

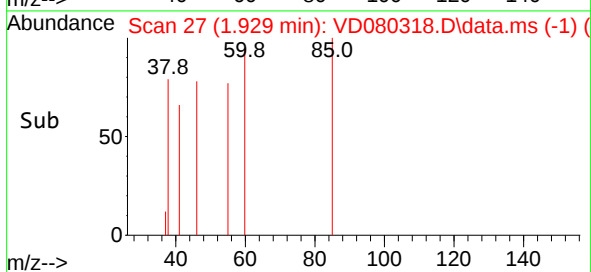
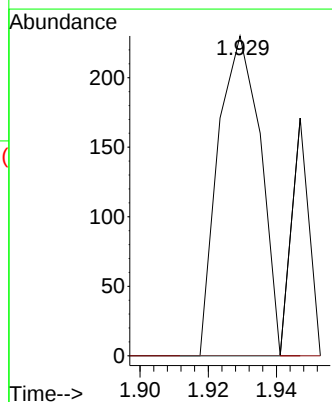
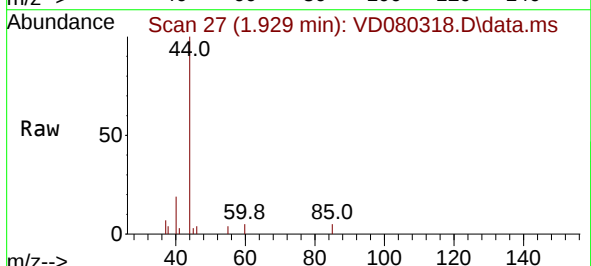


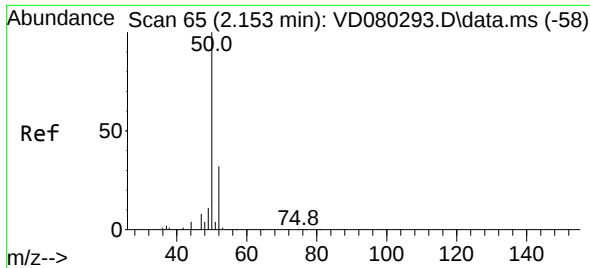
Tgt Ion:168 Resp: 76535
Ion Ratio Lower Upper
168 100
99 53.3 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.929 min Scan# 27
Delta R.T. -0.005 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 85 Resp: 198
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

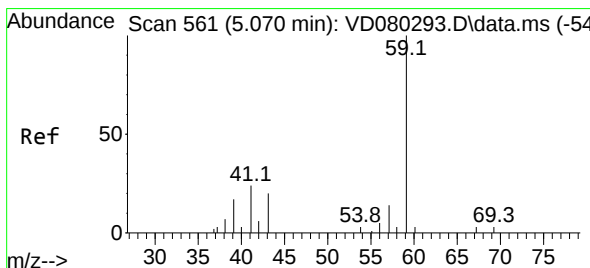
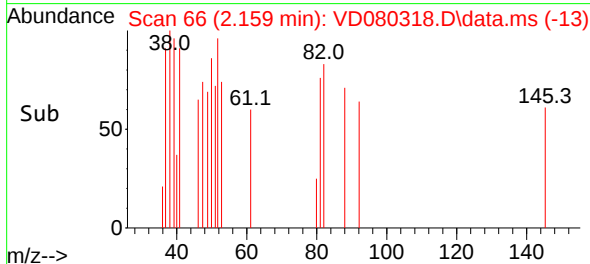
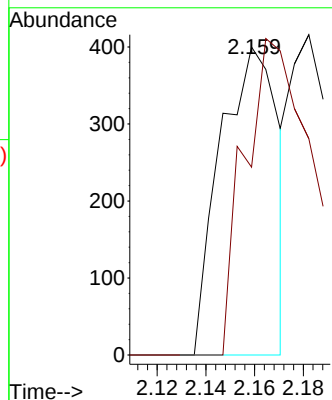
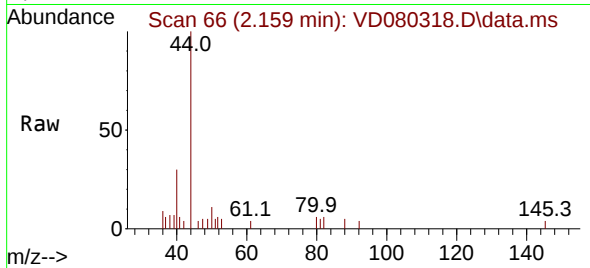




#3
Chloromethane
Concen: Below Cal
RT: 2.159 min Scan# 60
Delta R.T. 0.013 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

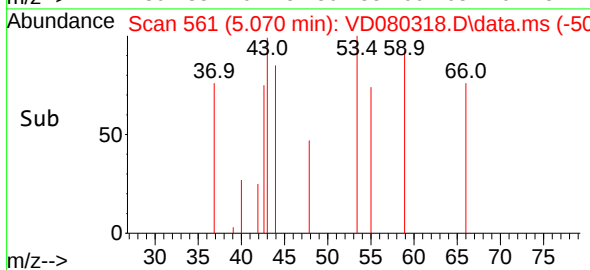
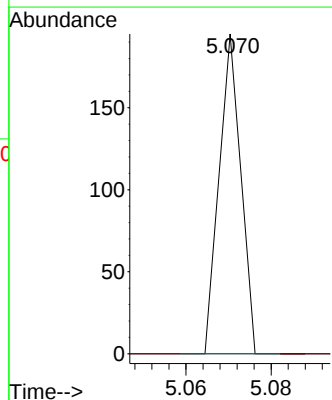
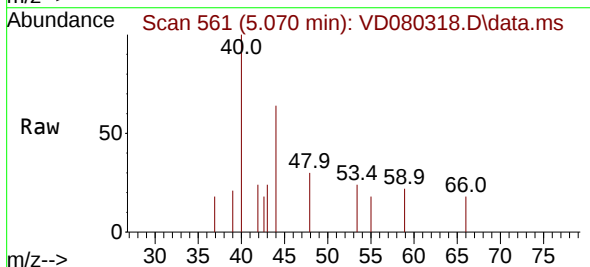
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

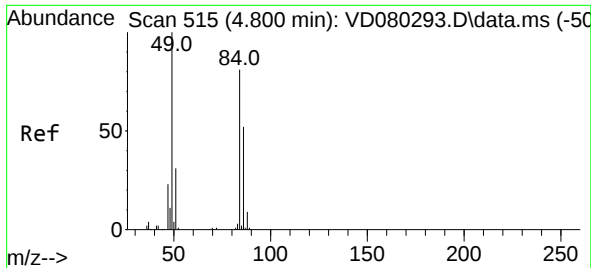
Tgt Ion: 50 Resp: 659
Ion Ratio Lower Upper
50 100
52 61.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.149 ug/l
RT: 5.070 min Scan# 561
Delta R.T. 0.012 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#

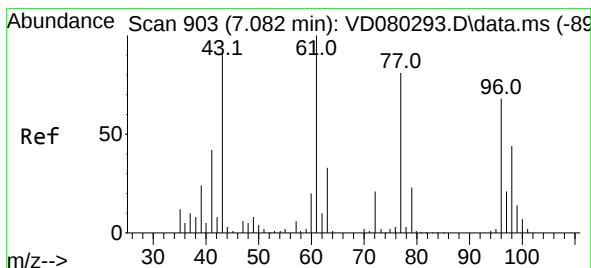
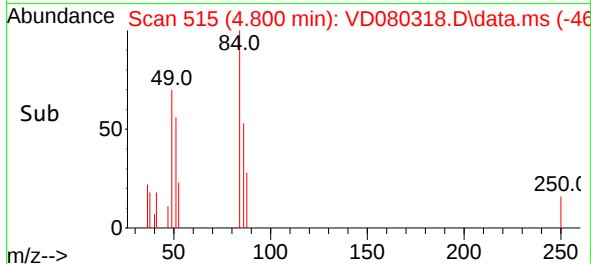
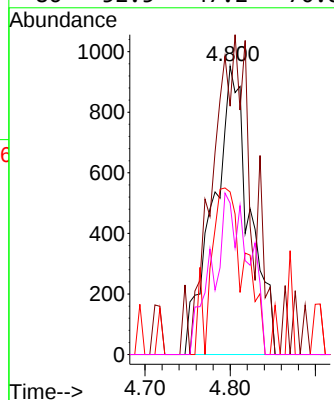
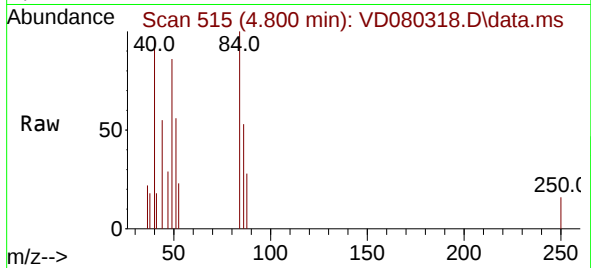




#20
Methylene Chloride
Concen: Below Cal
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

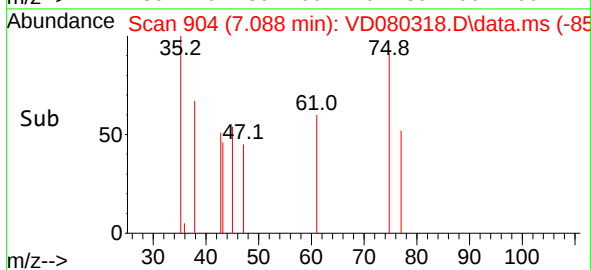
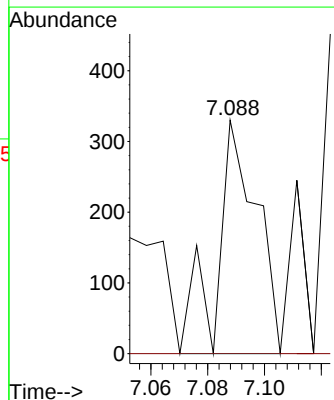
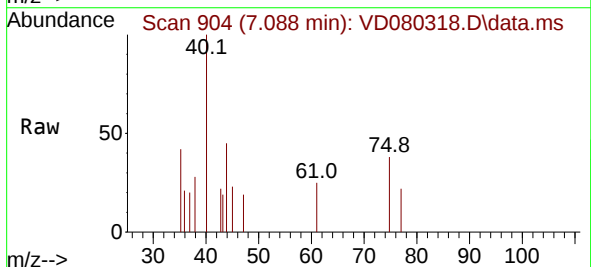
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

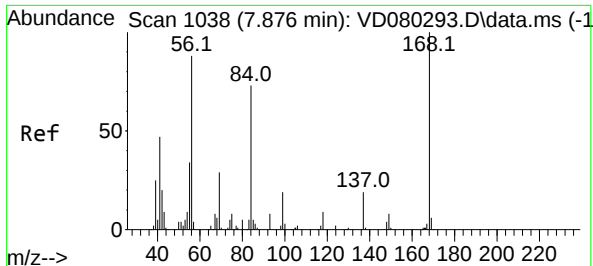
Tgt Ion:	84	Resp:	2820
Ion	Ratio	Lower	Upper
84	100		
49	86.1	86.5	129.7#
51	56.4	26.9	40.3#
86	52.5	47.2	70.8



#25
2-Butanone
Concen: 1.175 ug/l
RT: 7.088 min Scan# 904
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:	43	Resp:	320
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.3	33.5#

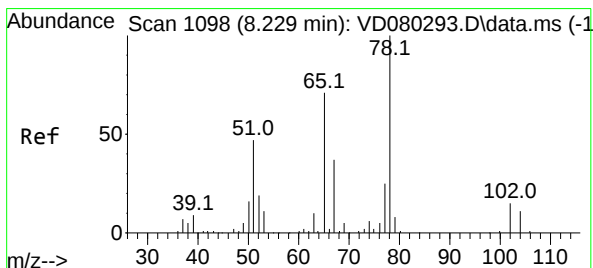
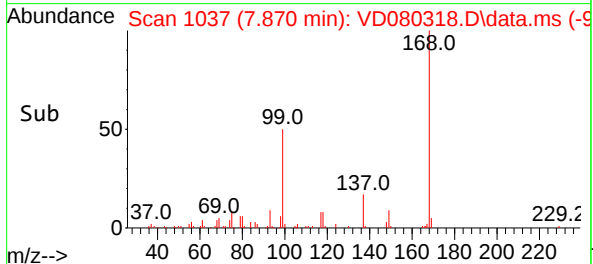
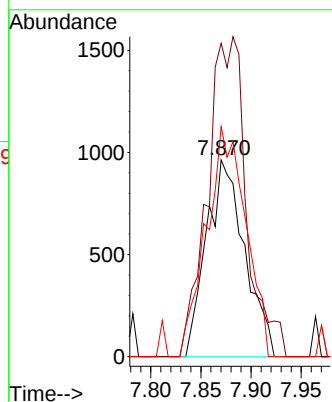
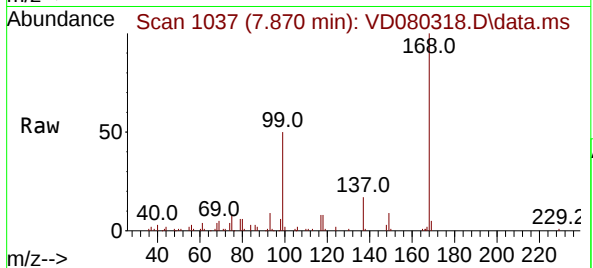




#31
Cyclohexane
Concen: 1.585 ug/l
RT: 7.870 min Scan# 1038
Delta R.T. -0.011 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

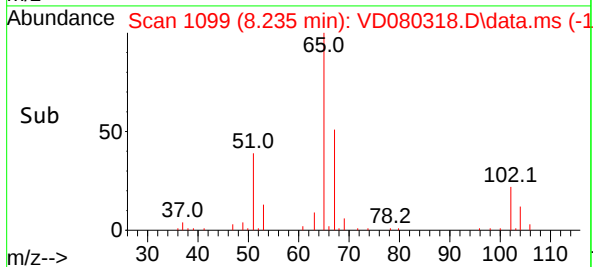
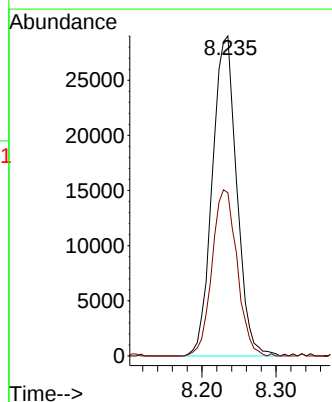
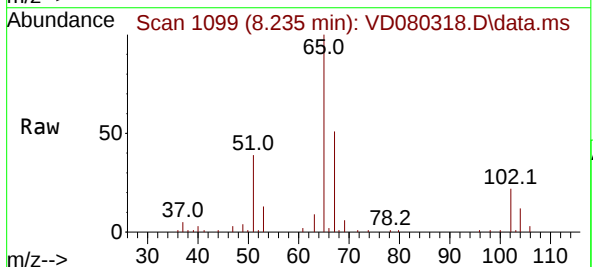
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

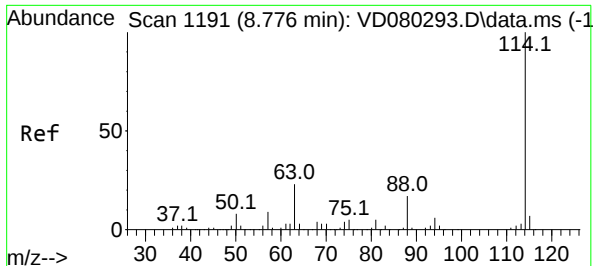
Tgt Ion: 56 Resp: 2549
Ion Ratio Lower Upper
56 100
69 159.2 27.3 40.9#
84 116.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 67.185 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 65 Resp: 66495
Ion Ratio Lower Upper
65 100
67 53.1 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: VD080318.D

Acq: 14 May 2025 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBL01

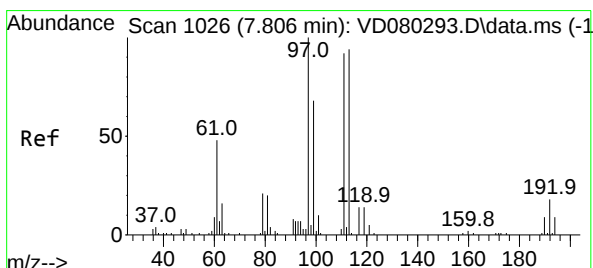
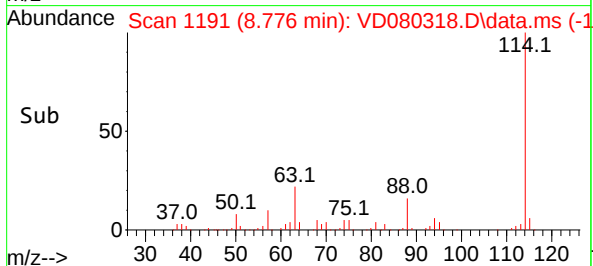
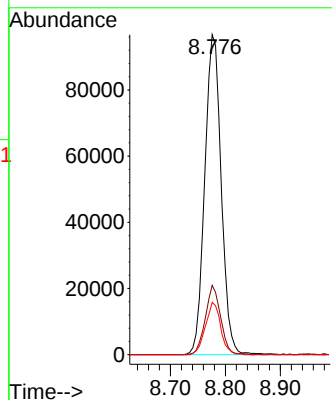
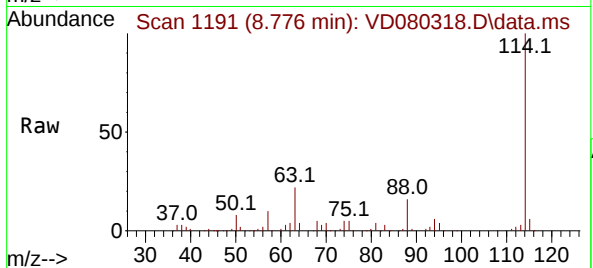
Tgt Ion:114 Resp: 201385

Ion Ratio Lower Upper

114 100

63 21.7 0.0 38.8

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 58.626 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080318.D

Acq: 14 May 2025 12:59

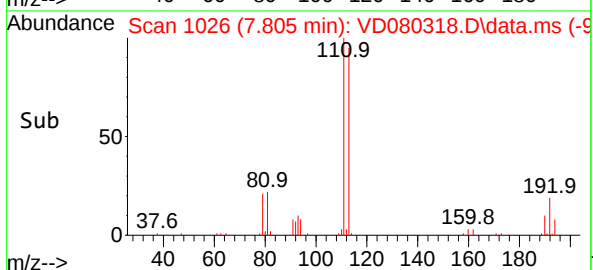
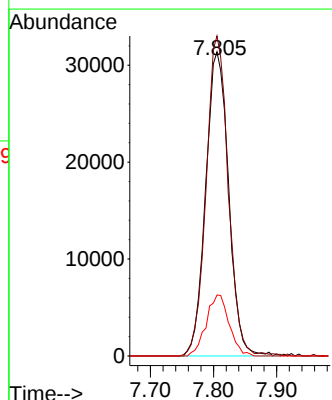
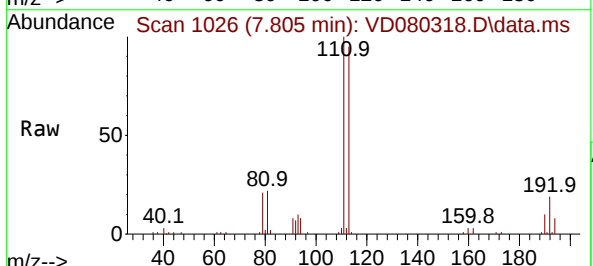
Tgt Ion:113 Resp: 79131

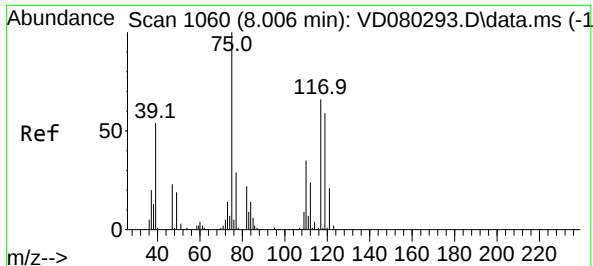
Ion Ratio Lower Upper

113 100

111 100.8 82.5 123.7

192 20.0 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.243 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.135 min

Lab File: VD080318.D

Acq: 14 May 2025 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBL01

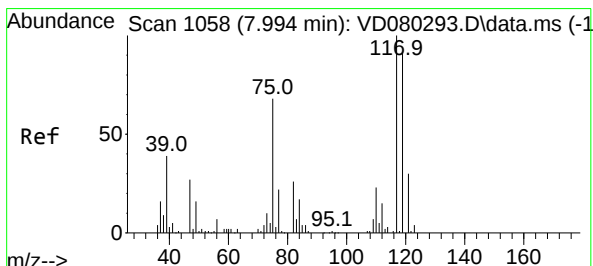
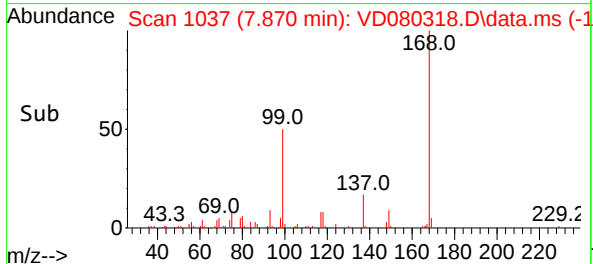
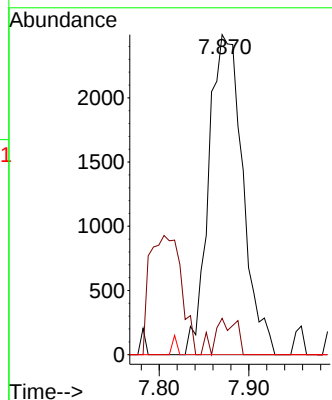
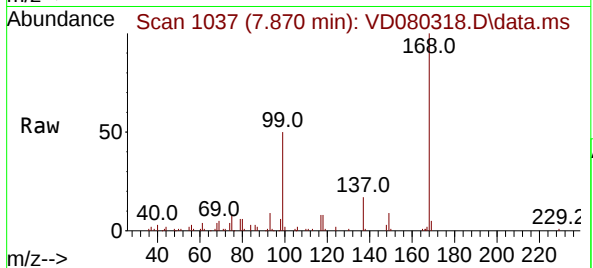
Tgt Ion: 75 Resp: 6542

Ion Ratio Lower Upper

75 100

110 7.2 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.528 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080318.D

Acq: 14 May 2025 12:59

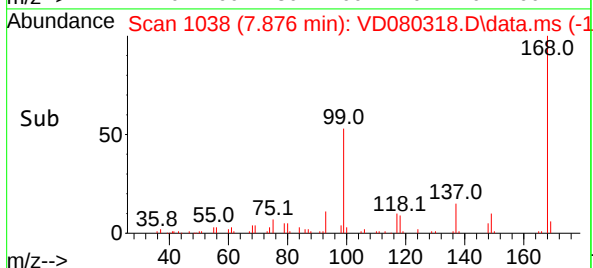
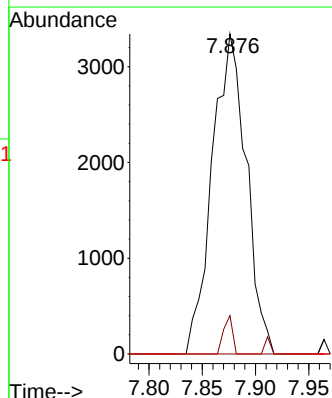
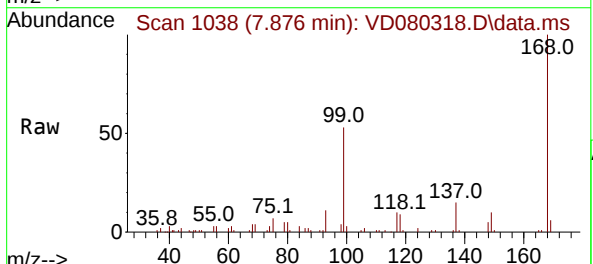
Tgt Ion: 117 Resp: 7423

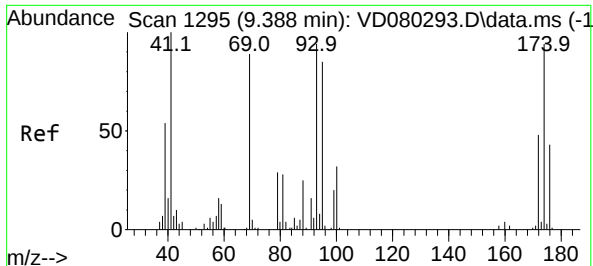
Ion Ratio Lower Upper

117 100

119 12.0 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 6.290 ug/l

RT: 9.635 min Scan# 11

Delta R.T. 0.248 min

Lab File: VD080318.D

Acq: 14 May 2025 12:59

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VD0514SBL01

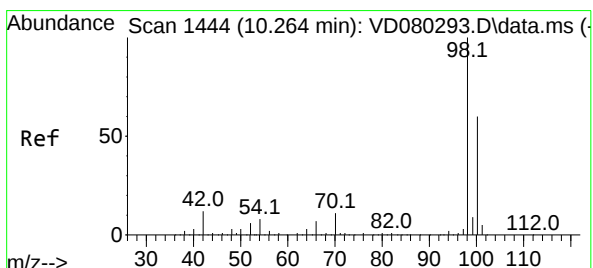
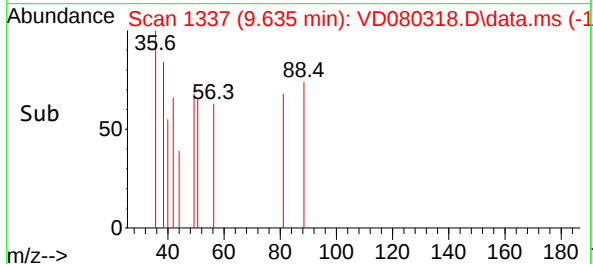
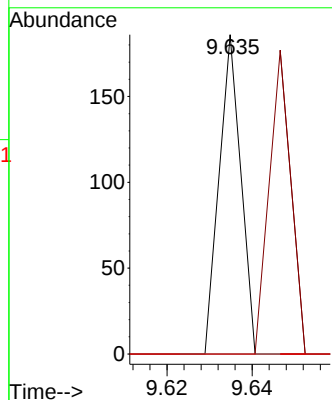
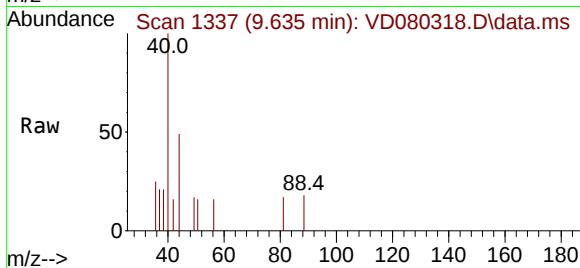
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 93.9 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 50.838 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080318.D

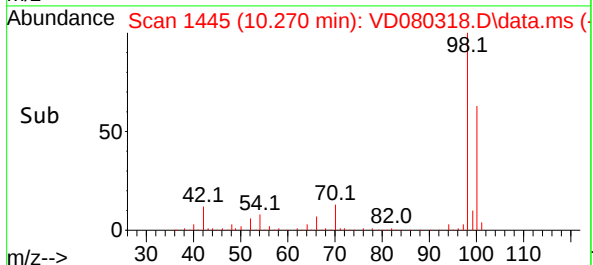
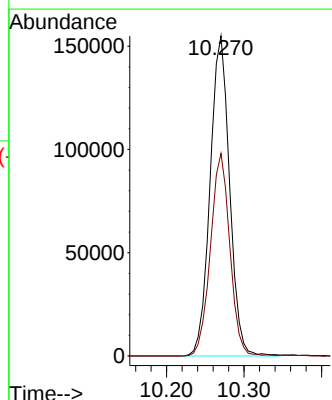
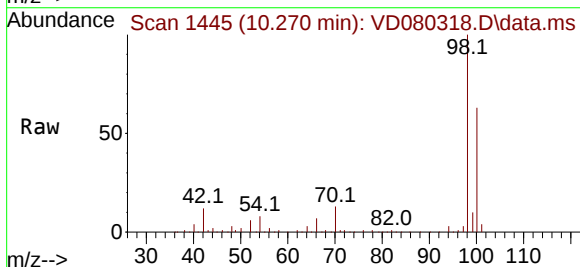
Acq: 14 May 2025 12:59

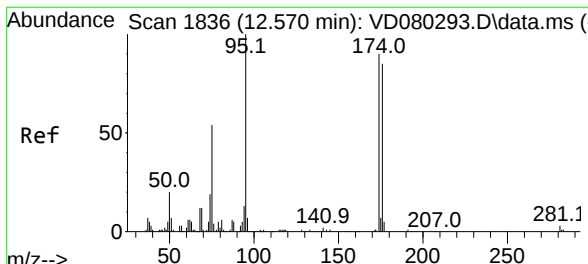
Tgt Ion: 98 Resp: 270367

Ion Ratio Lower Upper

98 100

100 62.9 50.2 75.4

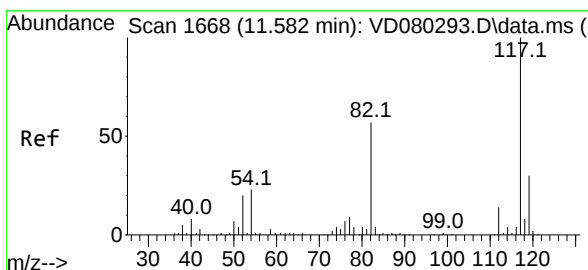
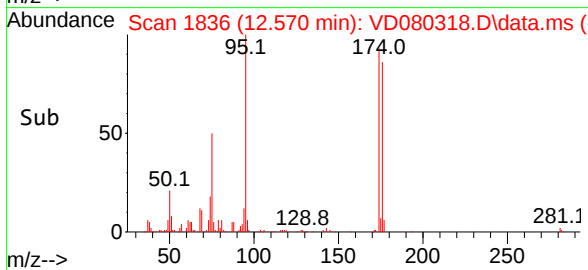
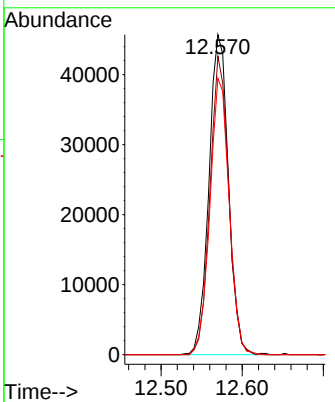
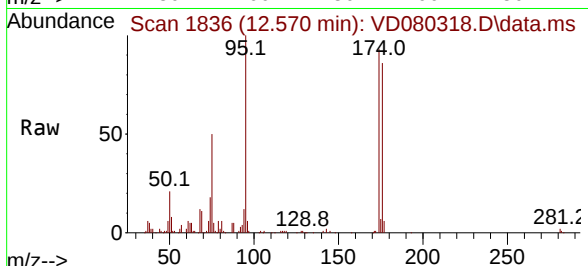




#62
4-Bromofluorobenzene
Concen: 44.844 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

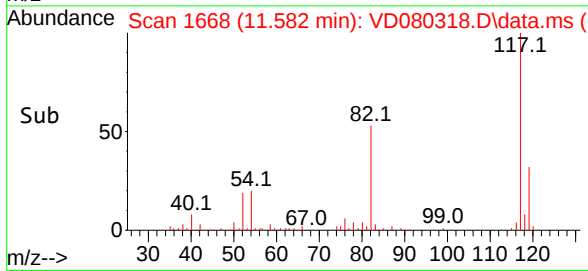
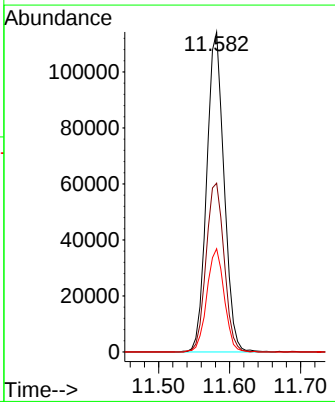
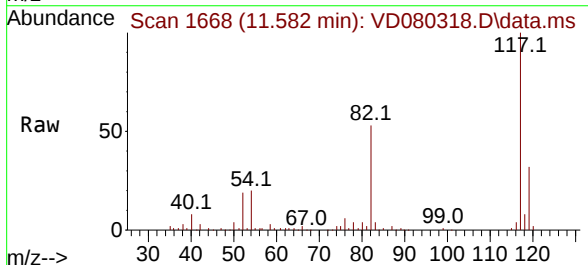
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

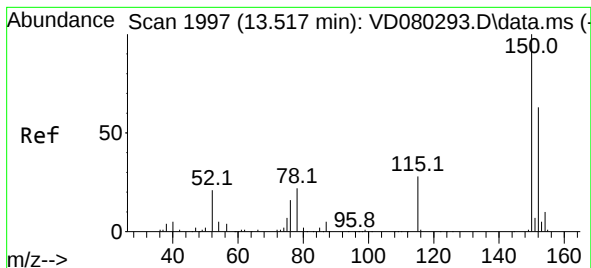
Tgt Ion:	95	Resp:	76547
Ion Ratio	Lower	Upper	
95	100		
174	89.0	0.0	173.4
176	85.1	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:	117	Resp:	193499
Ion Ratio	Lower	Upper	
117	100		
82	52.8	45.8	68.6
119	32.2	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: VD080318.D

Acq: 14 May 2025 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBL01

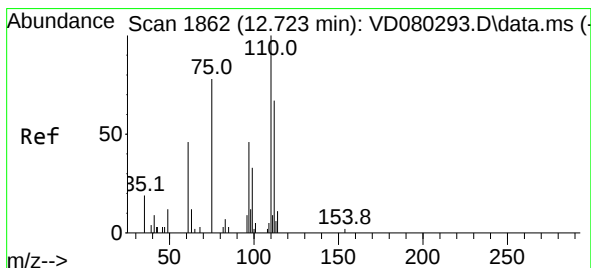
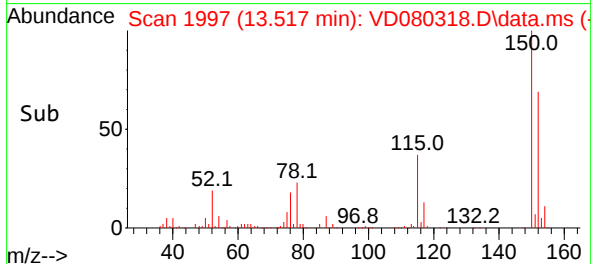
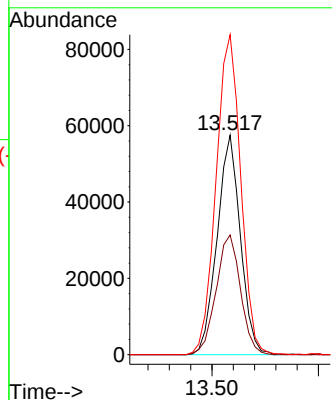
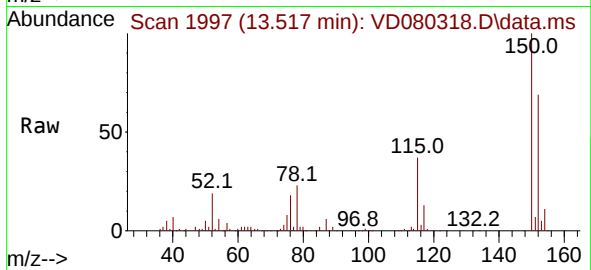
Tgt Ion:152 Resp: 87202

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.8

150 154.3 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 46.198 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. -0.152 min

Lab File: VD080318.D

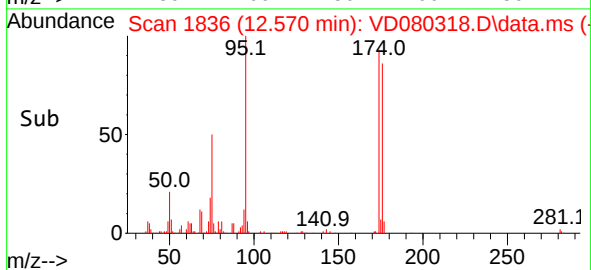
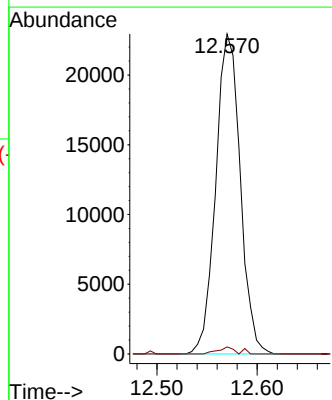
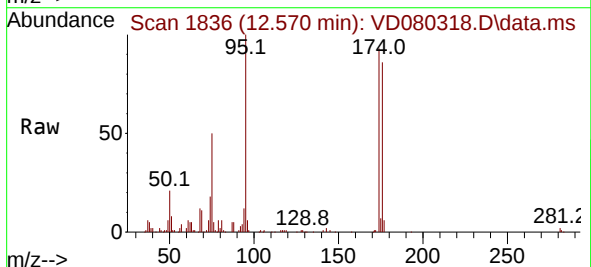
Acq: 14 May 2025 12:59

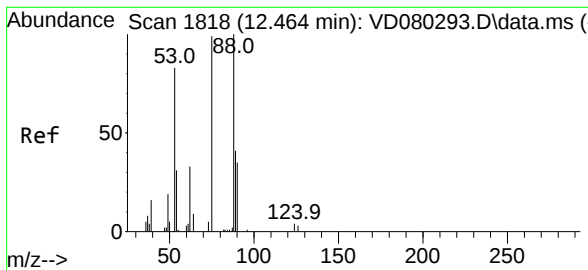
Tgt Ion: 75 Resp: 38881

Ion Ratio Lower Upper

75 100

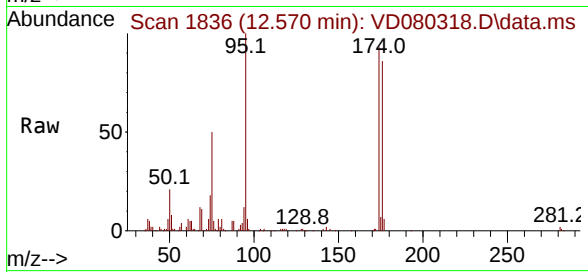
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.692 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. 0.101 min
 Lab File: VD080318.D
 Acq: 14 May 2025 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBL01



Tgt Ion: 75 Resp: 38881
 Ion Ratio Lower Upper
 75 100
 53 0.4 68.7 103.1#
 89 0.0 36.1 54.1#

