

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080335.D
 Acq On : 14 May 2025 21:04
 Operator : RP/MD
 Sample : Q2043-03
 Misc : 4.99G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-12000

Quant Time: May 15 03:40:47 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)

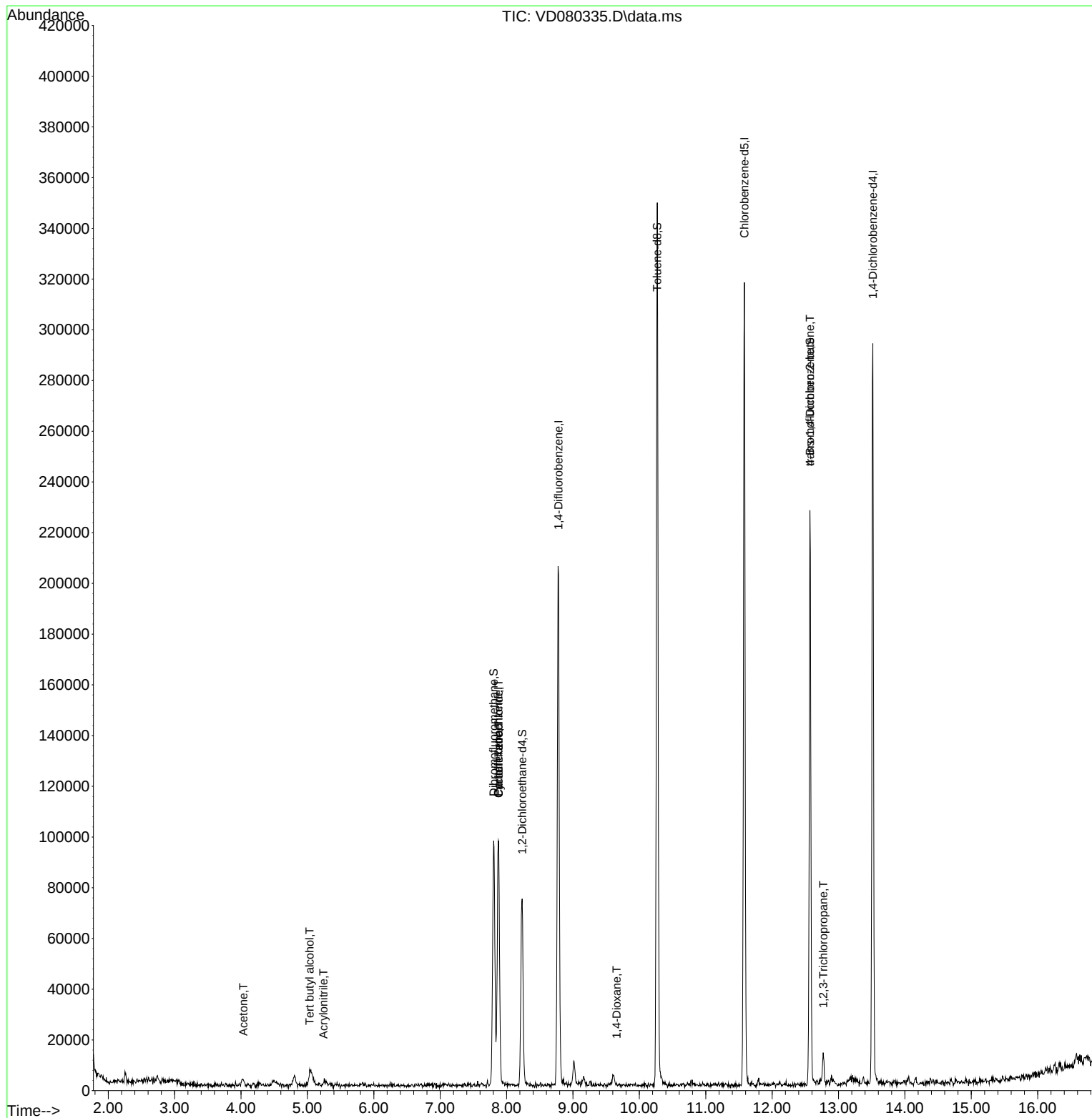
Internal Standards						
1) Pentafluorobenzene	7.876	168	74889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	175132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	173058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	79123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	60065	62.022	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.040%	
35) Dibromofluoromethane	7.806	113	68212	58.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.220%	
50) Toluene-d8	10.270	98	239896	51.870	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.570	95	67181	45.256	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	54	Below Cal	#	43
3) Chloromethane	2.153	50	232	Below Cal	#	39
11) Tert butyl alcohol	5.035	59	4802	81.714	ug/l #	59
15) Acrylonitrile	5.241	53	1199	5.412	ug/l #	90
16) Acetone	4.035	43	3841	6.531	ug/l	90
20) Methylene Chloride	4.806	84	2627	Below Cal	#	78
31) Cyclohexane	7.882	56	2093	1.330	ug/l #	7
38) Carbon Tetrachloride	7.882	117	7875	4.304	ug/l #	18
49) 1,4-Dioxane	9.658	88	116	12.712	ug/l #	70
76) 1,2,3-Trichloropropane	12.770	75	2439	3.194	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	35125	87.310	ug/l #	16

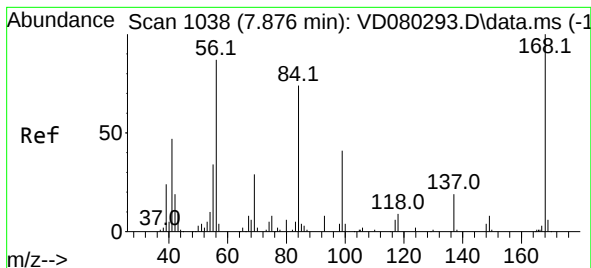
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080335.D
Acq On : 14 May 2025 21:04
Operator : RP/MD
Sample : Q2043-03
Misc : 4.99G/10ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
72-12000

Quant Time: May 15 03:40:47 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# 10

Delta R.T. 0.001 min

Lab File: VD080335.D

Acq: 14 May 2025 21:04

Instrument :

MSVOA_D

ClientSampleId :

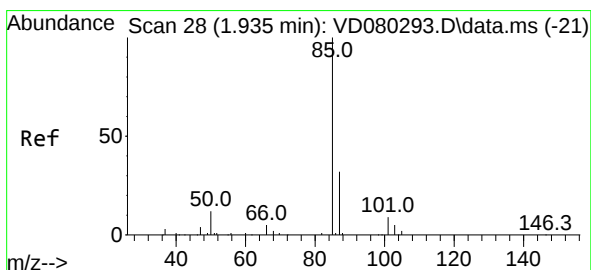
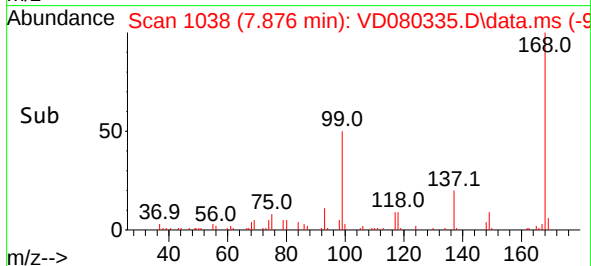
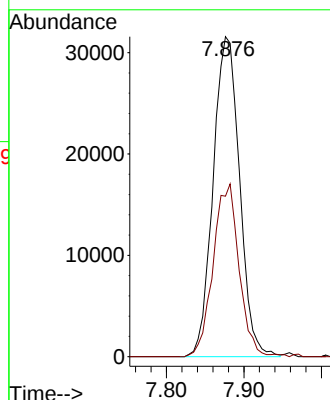
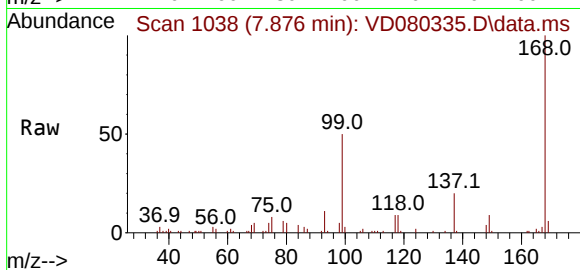
72-12000

Tgt Ion:168 Resp: 74889

Ion Ratio Lower Upper

168 100

99 50.2 46.0 69.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.153 min Scan# 65

Delta R.T. 0.219 min

Lab File: VD080335.D

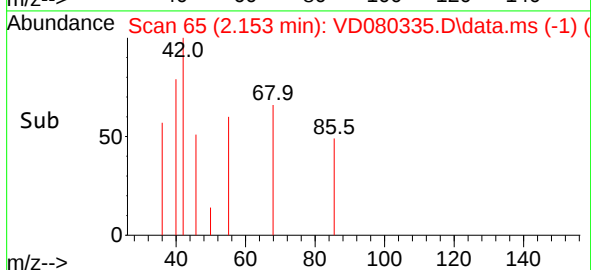
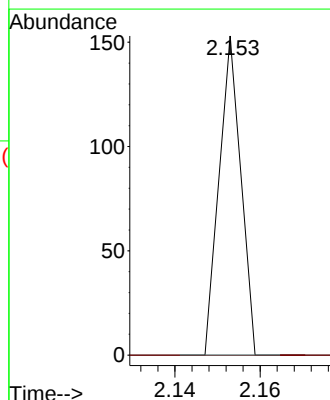
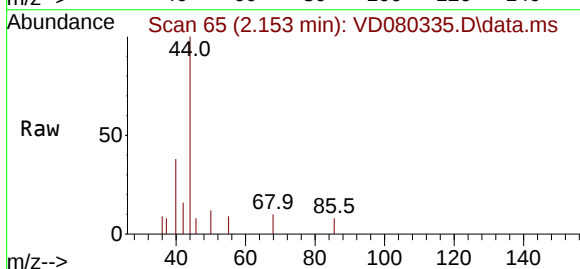
Acq: 14 May 2025 21:04

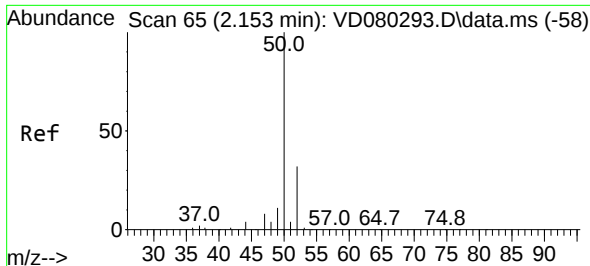
Tgt Ion: 85 Resp: 54

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.2#

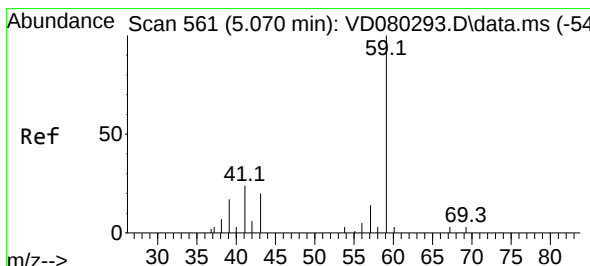
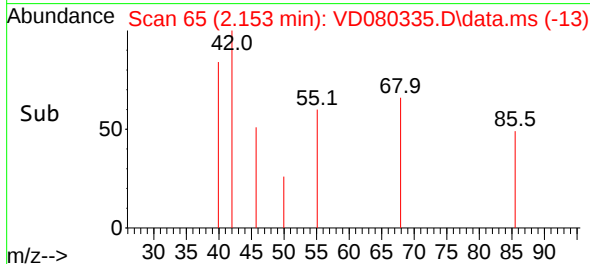
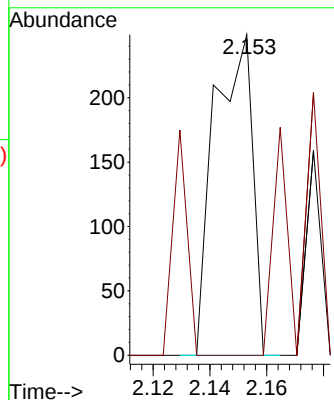
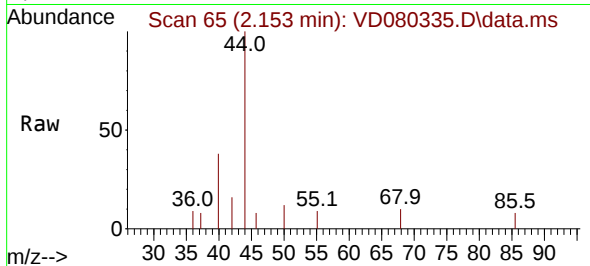




#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VD080335.D
Acq: 14 May 2025 21:04

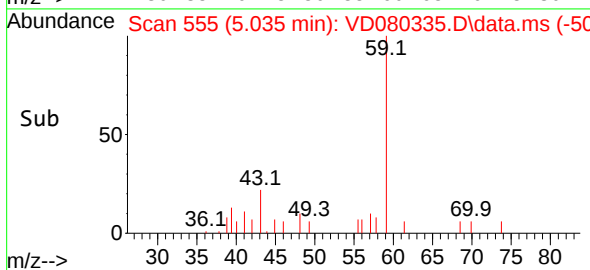
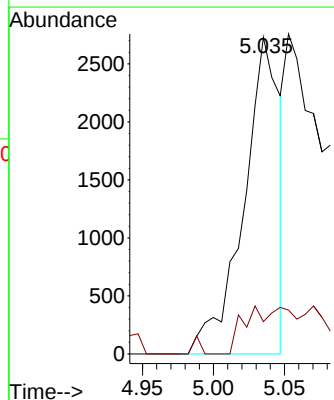
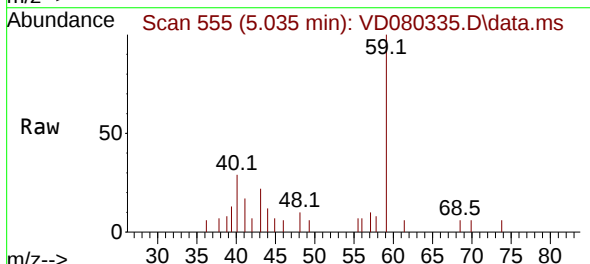
Instrument :
MSVOA_D
ClientSampleId :
72-12000

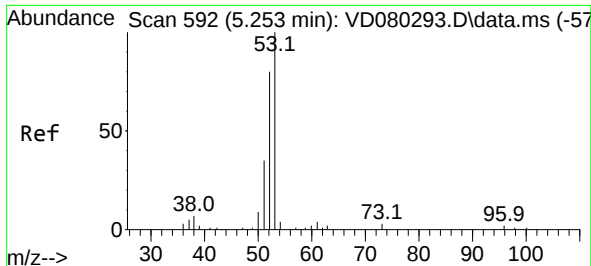
Tgt Ion: 50 Resp: 232
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 81.714 ug/l
RT: 5.035 min Scan# 555
Delta R.T. -0.023 min
Lab File: VD080335.D
Acq: 14 May 2025 21:04

Tgt Ion: 59 Resp: 4802
Ion Ratio Lower Upper
59 100
57 19.8 4.8 7.2#

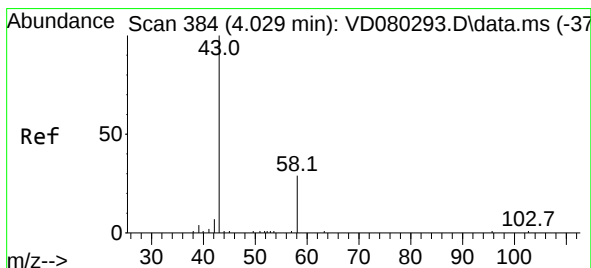
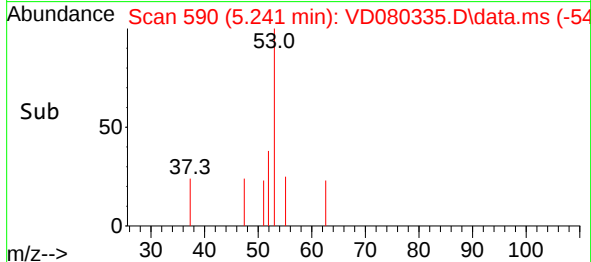
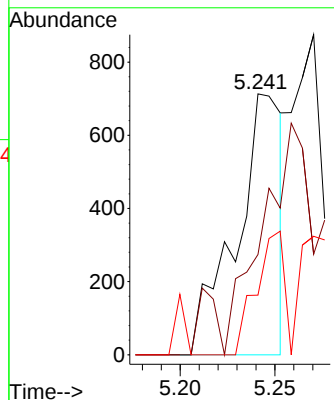
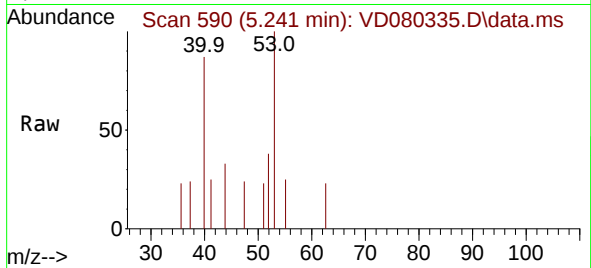




#15
Acrylonitrile
Concen: 5.412 ug/l
RT: 5.241 min Scan# 51
Delta R.T. -0.011 min
Lab File: VD080335.D
Acq: 14 May 2025 21:04

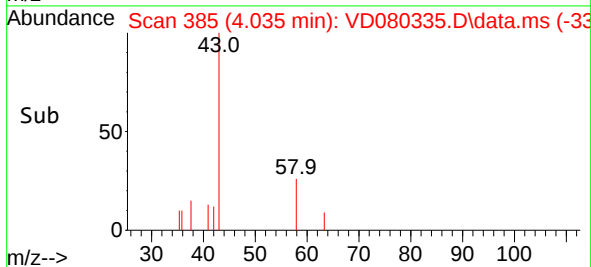
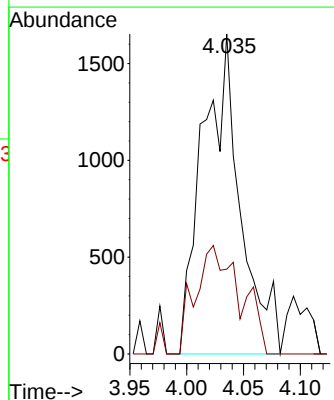
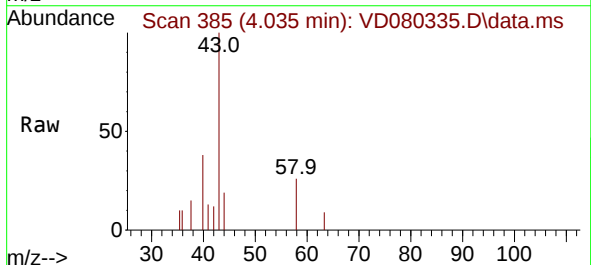
Instrument :
MSVOA_D
ClientSampleId :
72-12000

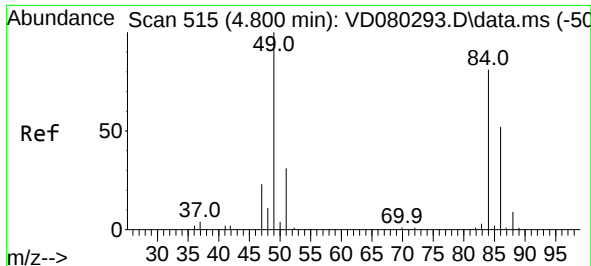
Tgt Ion: 53	Resp:	1199	
Ion Ratio	Lower	Upper	
53	100		
52	89.4	66.2	99.4
51	28.9	30.3	45.5#



#16
Acetone
Concen: 6.531 ug/l
RT: 4.035 min Scan# 385
Delta R.T. 0.012 min
Lab File: VD080335.D
Acq: 14 May 2025 21:04

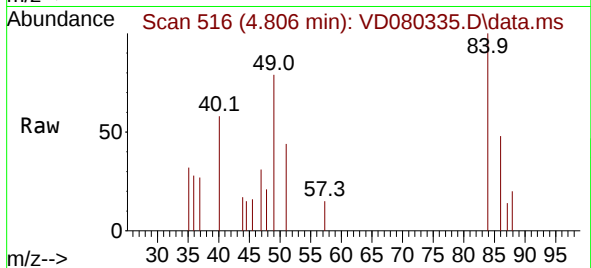
Tgt Ion: 43	Resp: 3841
Ion Ratio	Lower Upper
43 100	
58 26.5	25.4 38.2



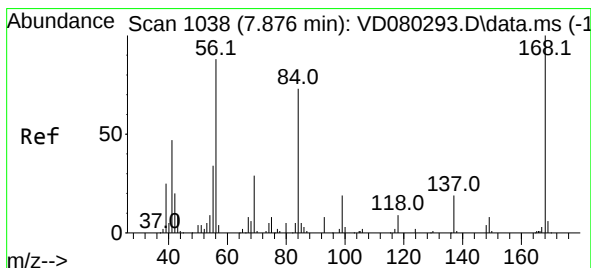
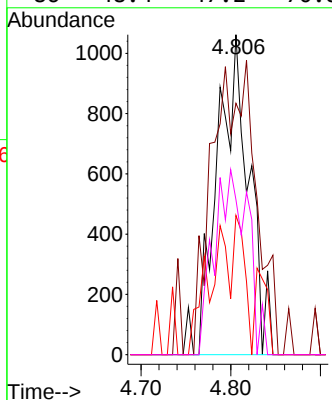
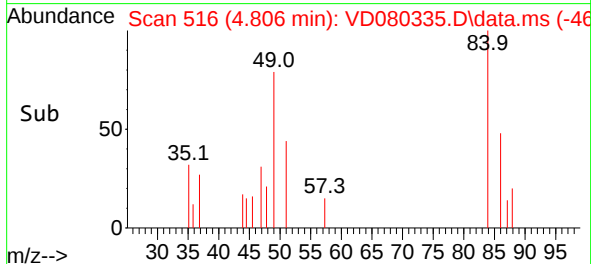


#20
Methylene Chloride
Concen: Below Cal
RT: 4.806 min Scan# 515
Delta R.T. 0.001 min
Lab File: VD080335.D
Acq: 14 May 2025 21:04

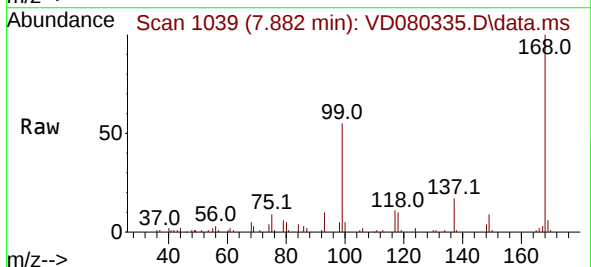
Instrument :
MSVOA_D
ClientSampleId :
72-12000



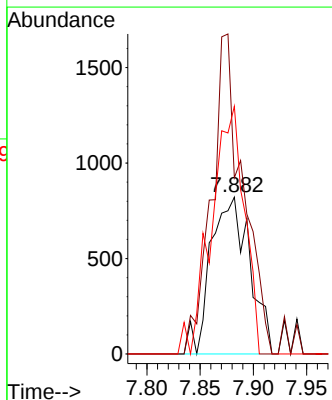
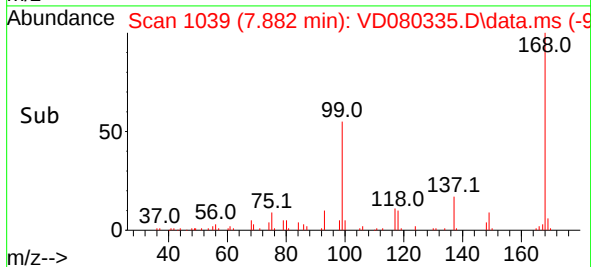
Tgt Ion:	84	Resp:	2627
Ion	Ratio	Lower	Upper
84	100		
49	78.5	86.5	129.7#
51	43.5	26.9	40.3#
86	48.4	47.2	70.8

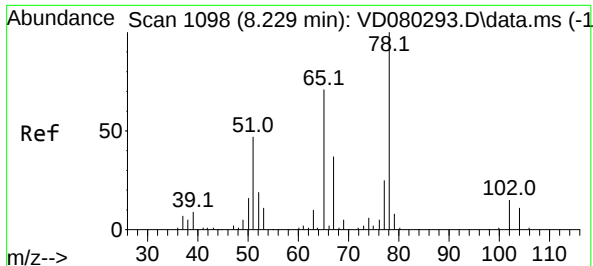


#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. 0.001 min
Lab File: VD080335.D
Acq: 14 May 2025 21:04



Tgt Ion:	56	Resp:	2093
Ion	Ratio	Lower	Upper
56	100		
69	112.4	27.3	40.9#
84	158.0	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 62.022 ug/l

RT: 8.235 min Scan# 1109

Delta R.T. 0.007 min

Lab File: VD080335.D

Acq: 14 May 2025 21:04

Instrument :

MSVOA_D

ClientSampleId :

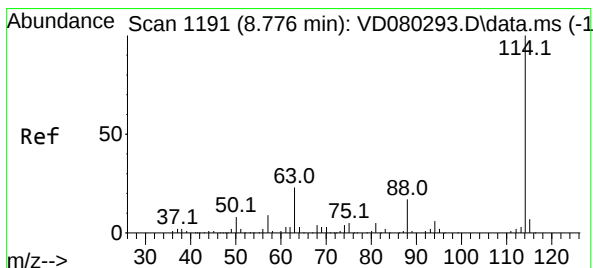
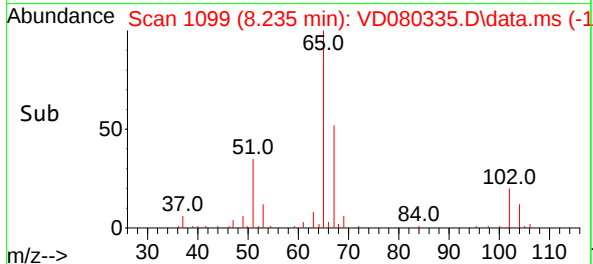
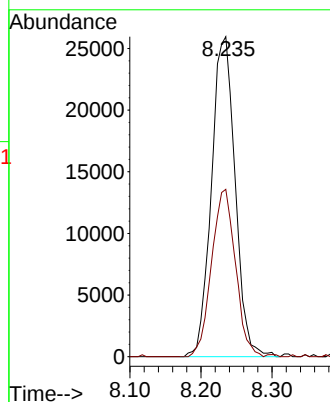
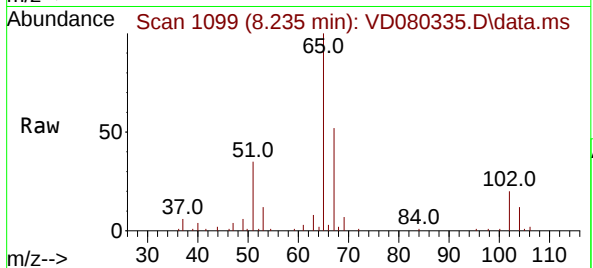
72-12000

Tgt Ion: 65 Resp: 60065

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1192

Delta R.T. 0.007 min

Lab File: VD080335.D

Acq: 14 May 2025 21:04

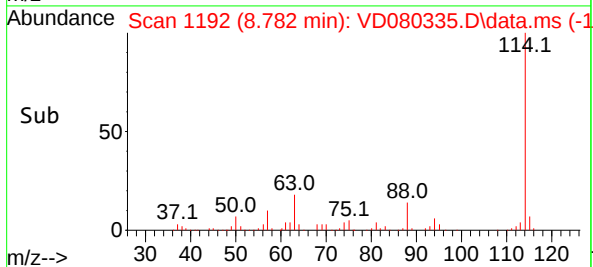
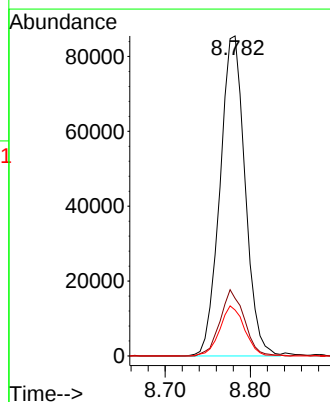
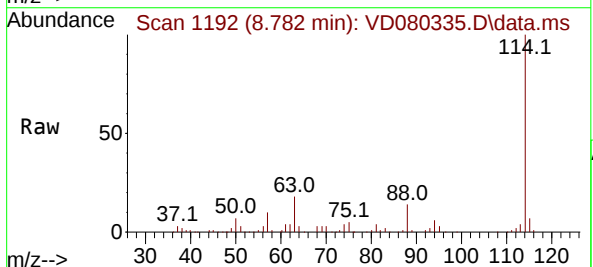
Tgt Ion: 114 Resp: 175132

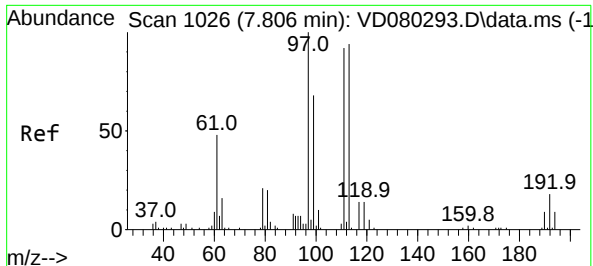
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.8

88 14.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.112 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080335.D

Acq: 14 May 2025 21:04

Instrument :

MSVOA_D

ClientSampleId :

72-12000

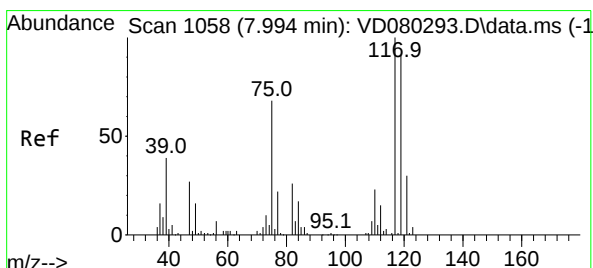
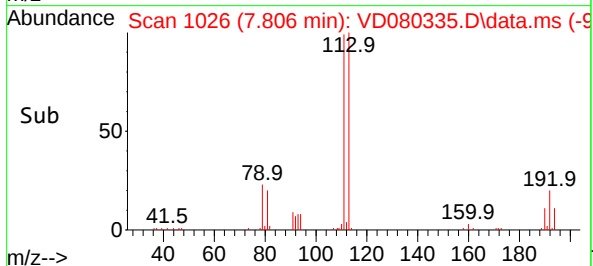
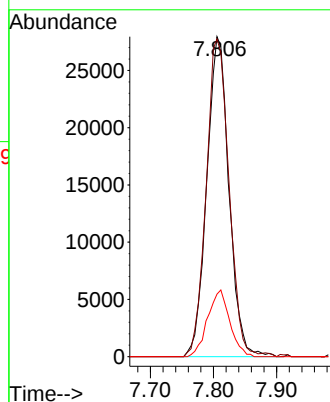
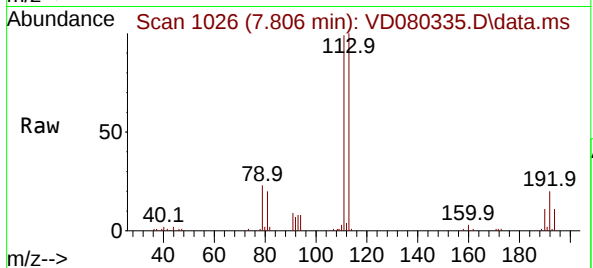
Tgt Ion:113 Resp: 68212

Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

192 20.9 16.6 25.0



#38

Carbon Tetrachloride

Concen: 4.304 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.105 min

Lab File: VD080335.D

Acq: 14 May 2025 21:04

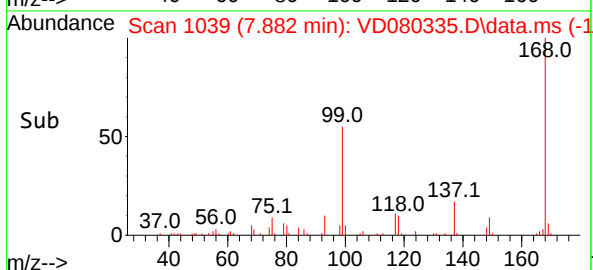
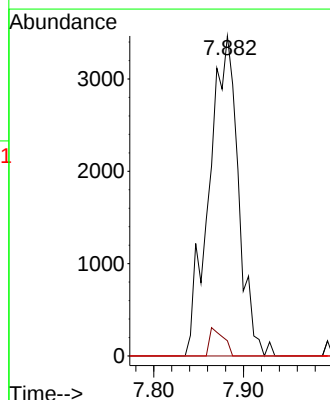
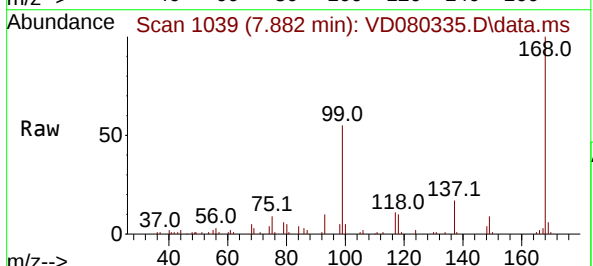
Tgt Ion:117 Resp: 7875

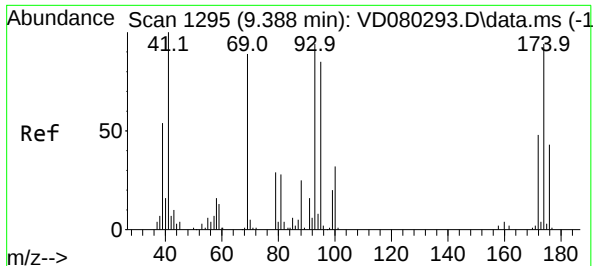
Ion Ratio Lower Upper

117 100

119 4.7 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 12.712 ug/l

RT: 9.658 min Scan# 11

Delta R.T. 0.271 min

Lab File: VD080335.D

Acq: 14 May 2025 21:04

Instrument :

MSVOA_D

ClientSampleId :

72-12000

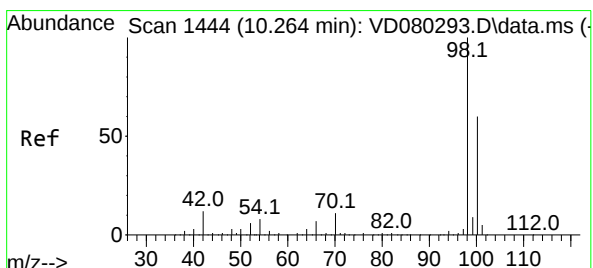
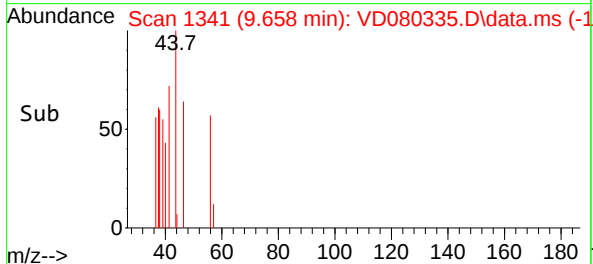
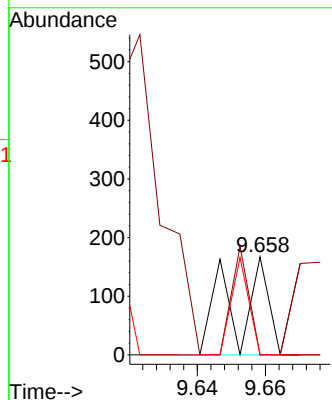
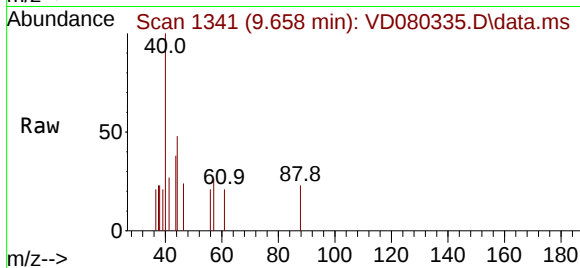
Tgt Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

43 56.0 29.1 43.7#

58 50.9 59.9 89.9#



#50

Toluene-d8

Concen: 51.870 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080335.D

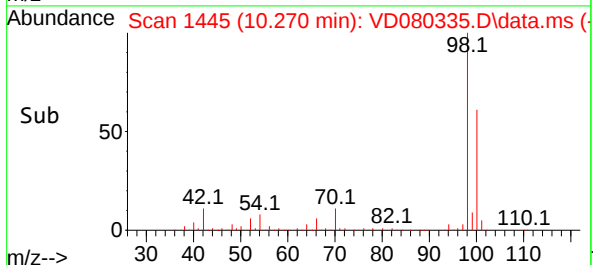
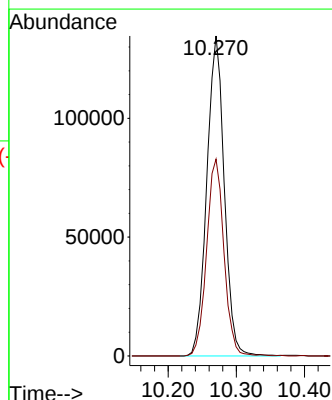
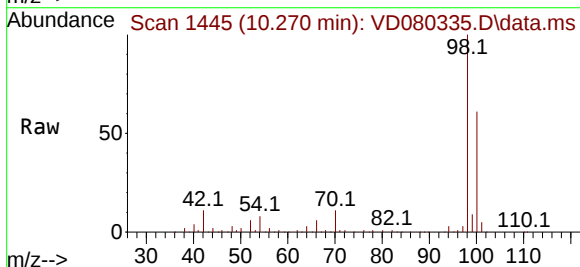
Acq: 14 May 2025 21:04

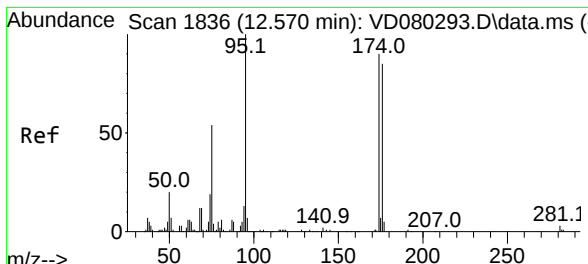
Tgt Ion: 98 Resp: 239896

Ion Ratio Lower Upper

98 100

100 61.2 50.2 75.4

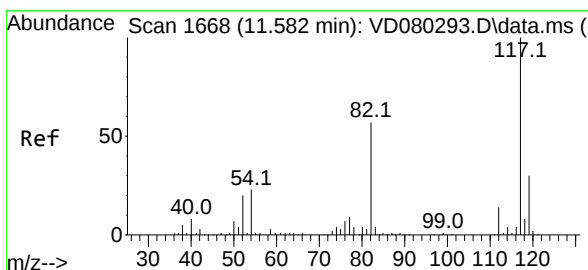
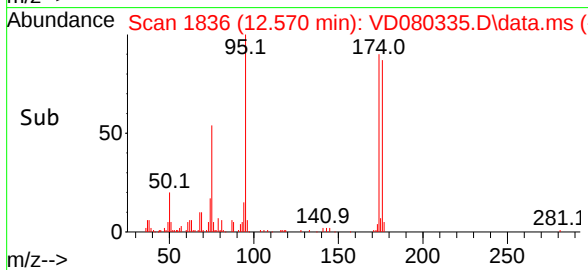
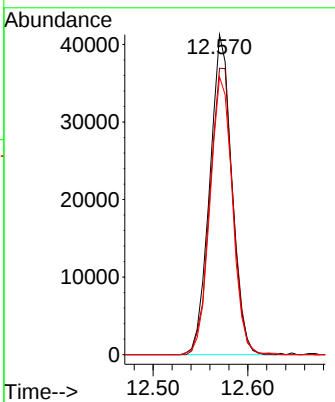
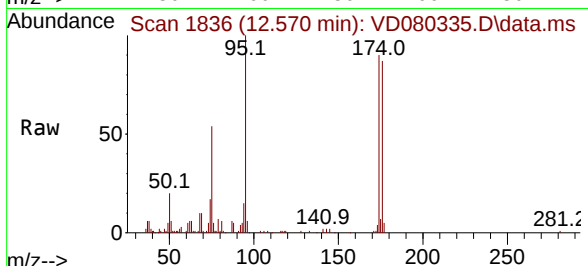




#62
 4-Bromofluorobenzene
 Concen: 45.256 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. 0.001 min
 Lab File: VD080335.D
 Acq: 14 May 2025 21:04

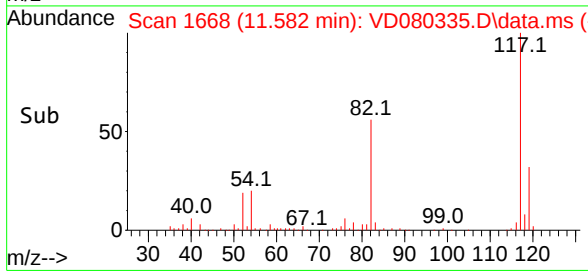
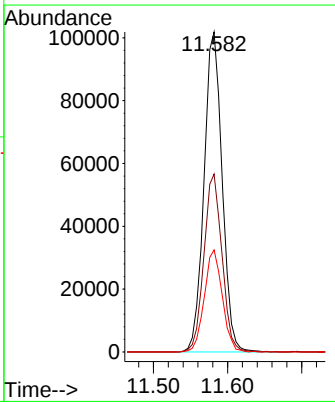
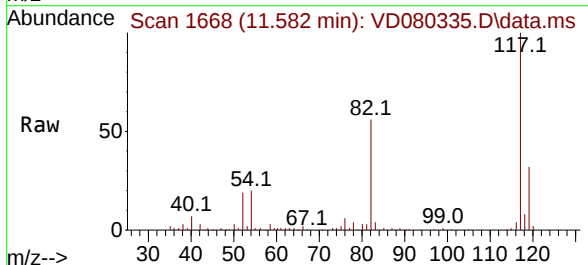
Instrument :
 MSVOA_D
 ClientSampleId :
 72-12000

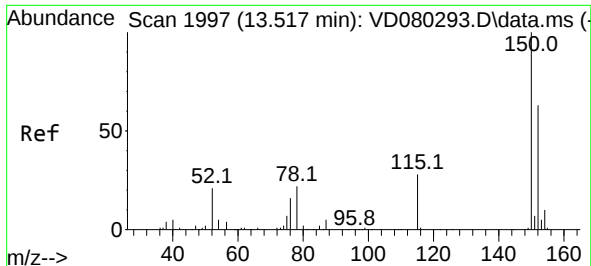
Tgt Ion:	95	Resp:	67181
Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	173.4
176	87.8	0.0	166.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.582 min Scan# 1668
 Delta R.T. 0.001 min
 Lab File: VD080335.D
 Acq: 14 May 2025 21:04

Tgt Ion:	117	Resp:	173058
Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.8	68.6
119	31.9	26.2	39.2

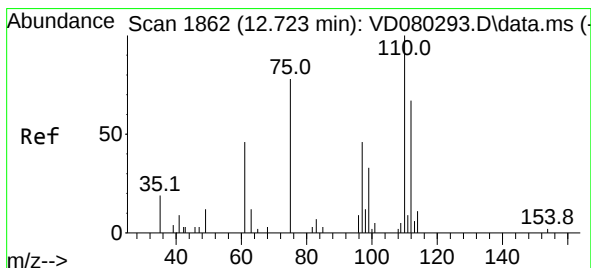
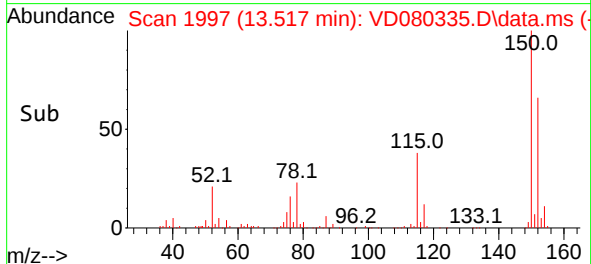
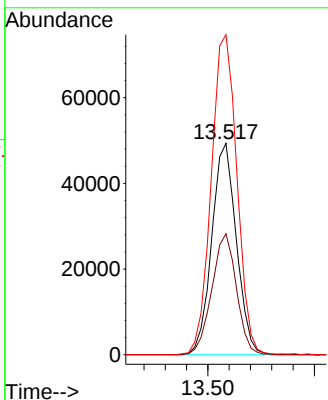
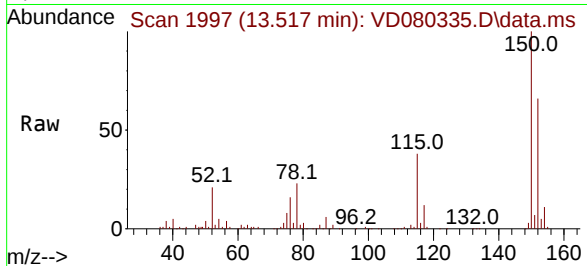




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080335.D
 Acq: 14 May 2025 21:04

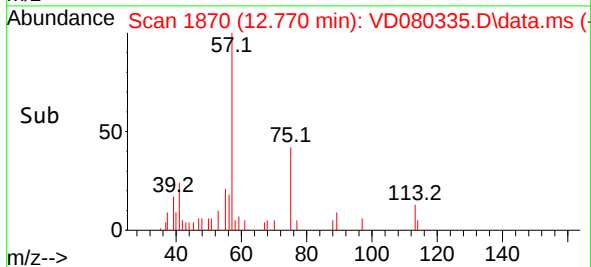
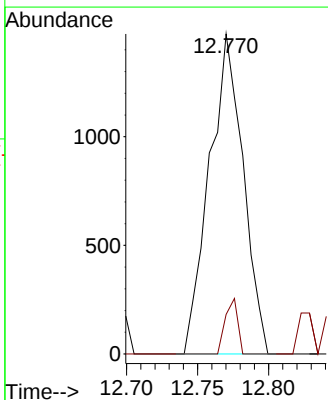
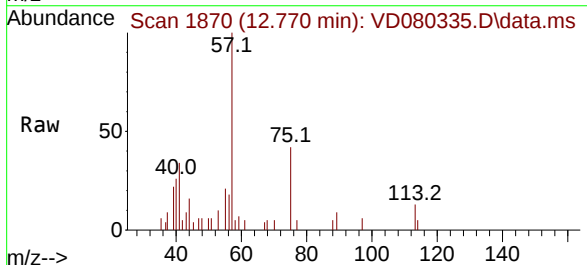
Instrument :
 MSVOA_D
 ClientSampleId :
 72-12000

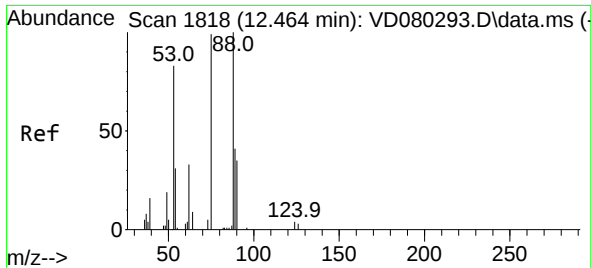
Tgt Ion:152 Resp: 79123
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.9 86.8
 150 158.1 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 3.194 ug/l
 RT: 12.770 min Scan# 1870
 Delta R.T. 0.048 min
 Lab File: VD080335.D
 Acq: 14 May 2025 21:04

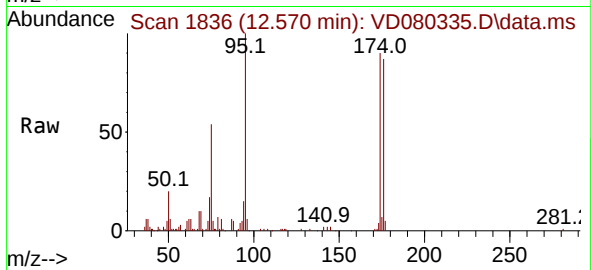
Tgt Ion: 75 Resp: 2439
 Ion Ratio Lower Upper
 75 100
 77 6.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.310 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080335.D
 Acq: 14 May 2025 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 72-12000



Tgt Ion	Ratio	Lower	Upper
75	100		
53	1.5	68.7	103.1#
89	0.2	36.1	54.1#

