

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080345.D
 Acq On : 15 May 2025 13:47
 Operator : RP/MD
 Sample : Q2022-02
 Misc : 5.89G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Quant Time: May 16 02:56:37 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)

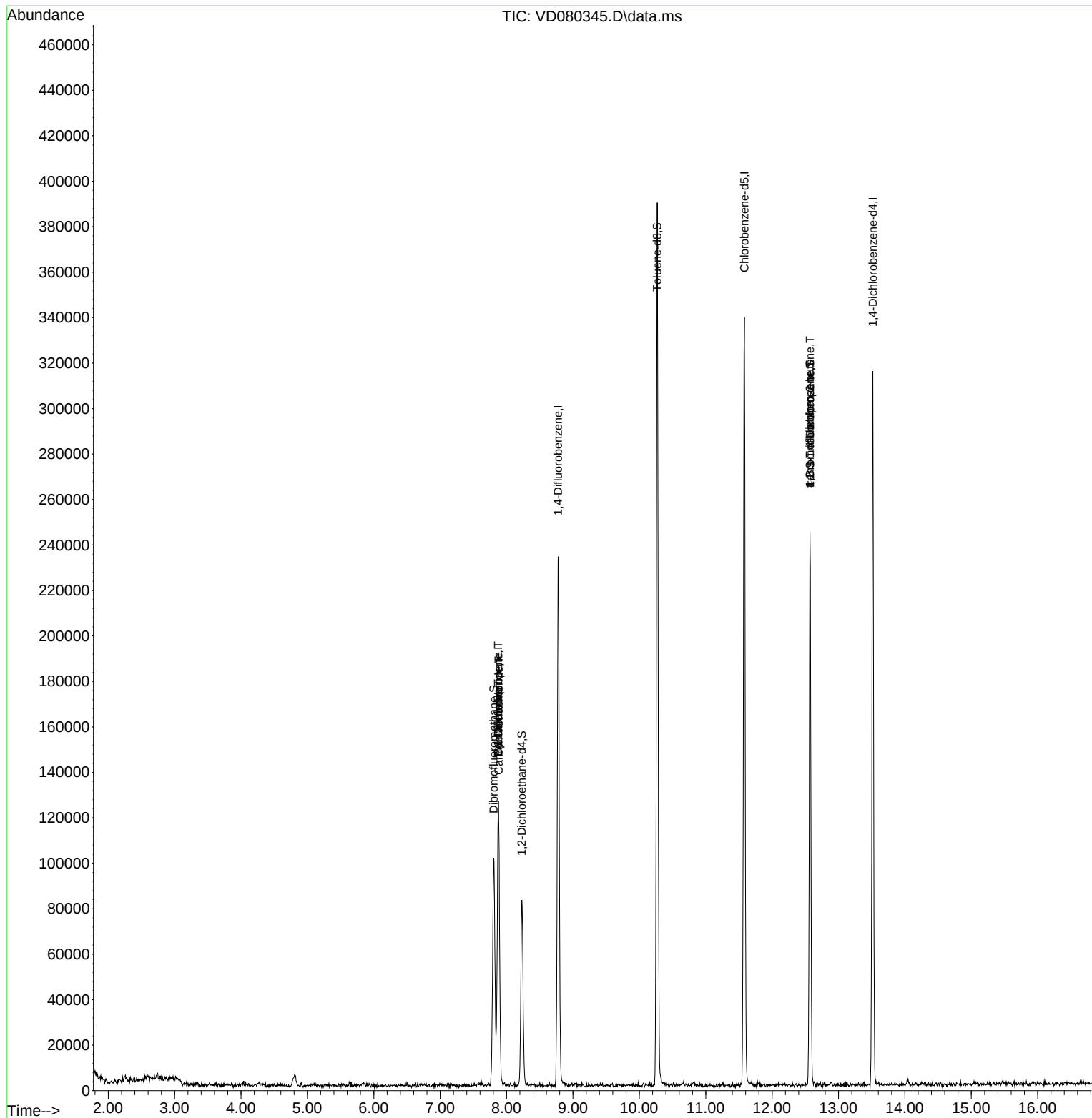
Internal Standards						
1) Pentafluorobenzene	7.876	168	93724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	199194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	192180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	84836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	65399	53.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.920%	
35) Dibromofluoromethane	7.805	113	71405	53.484	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.960%	
50) Toluene-d8	10.270	98	261533	49.718	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	12.570	95	73698	43.649	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.300%	
Target Compounds						Qvalue
3) Chloromethane	2.147	50	349	Below Cal	#	39
16) Acetone	4.023	43	1730	Below Cal		98
20) Methylene Chloride	4.823	84	3495	Below Cal	#	71
31) Cyclohexane	7.876	56	2797	1.420	ug/l #	28
36) 1,1-Dichloropropene	7.876	75	8818	4.419	ug/l #	48
38) Carbon Tetrachloride	7.882	117	9221	4.431	ug/l #	19
76) 1,2,3-Trichloropropane	12.570	75	38127	46.566	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	38127	88.389	ug/l #	15

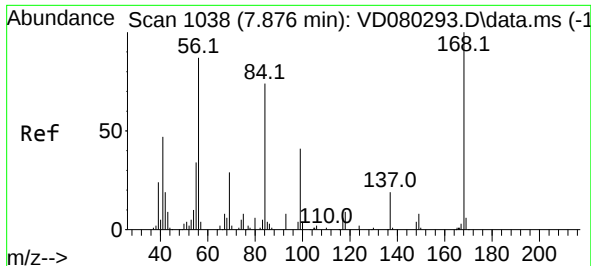
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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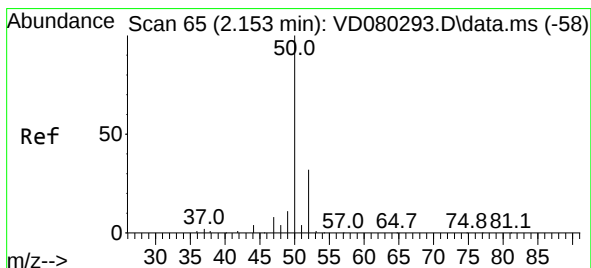
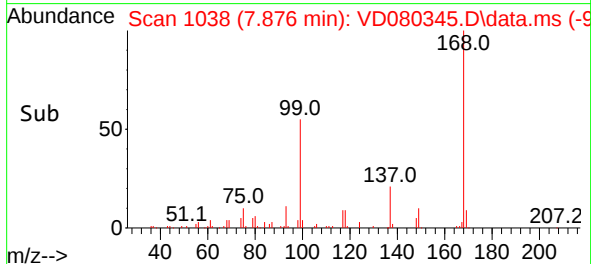
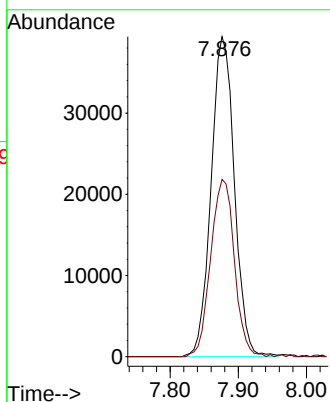
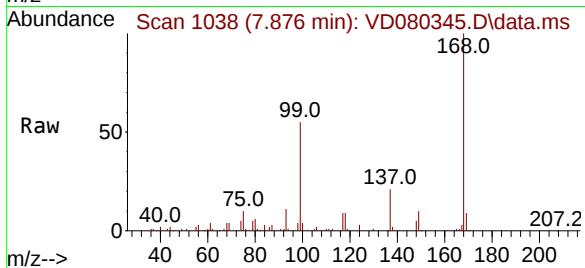




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

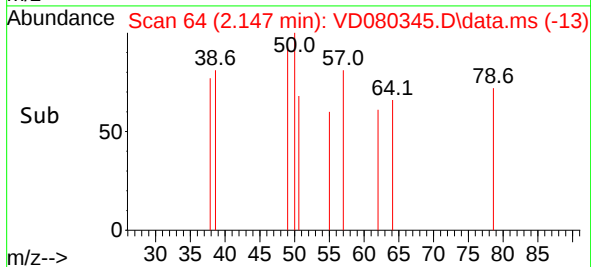
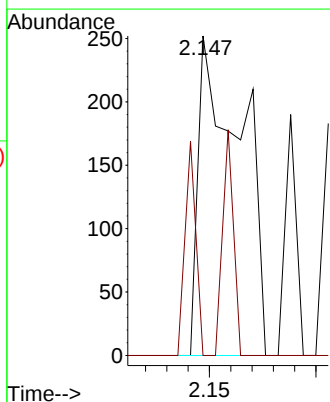
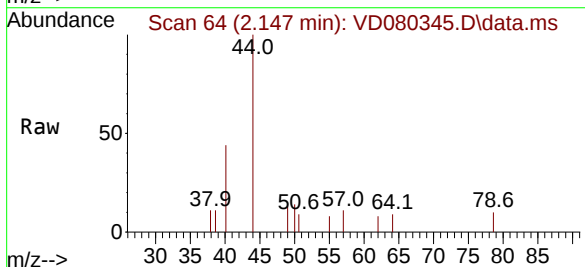
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

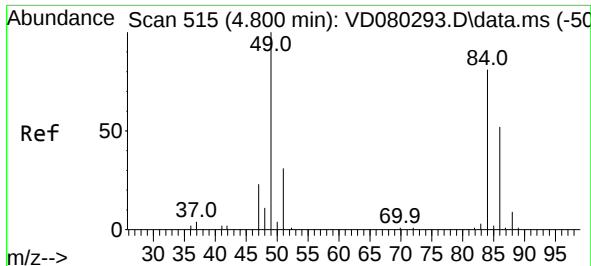
Tgt Ion:168 Resp: 93724
Ion Ratio Lower Upper
168 100
99 55.4 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 2.147 min Scan# 64
Delta R.T. 0.001 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

Tgt Ion: 50 Resp: 349
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#

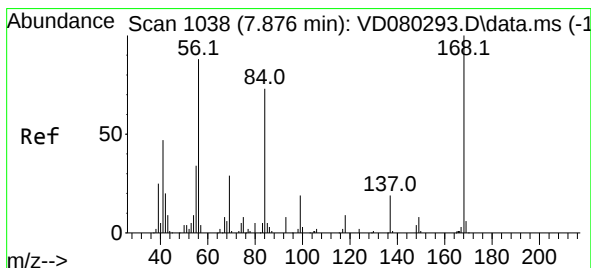
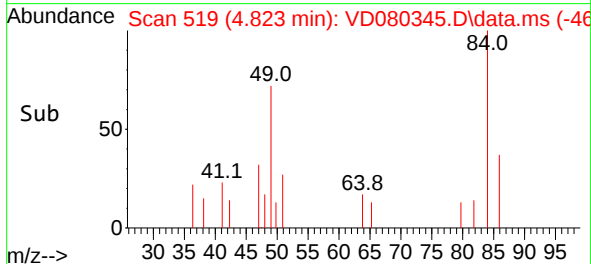
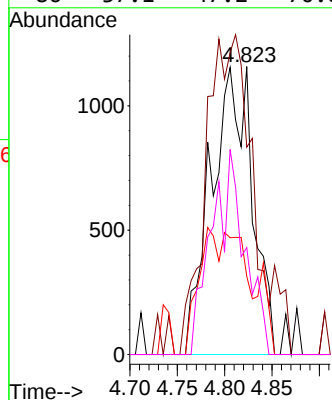
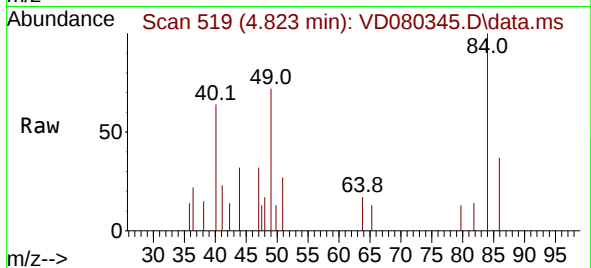




#20
Methylene Chloride
Concen: Below Cal
RT: 4.823 min Scan# 515
Delta R.T. 0.018 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

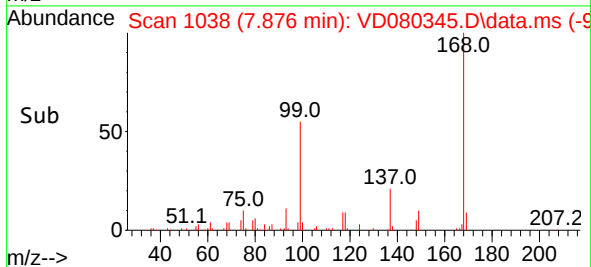
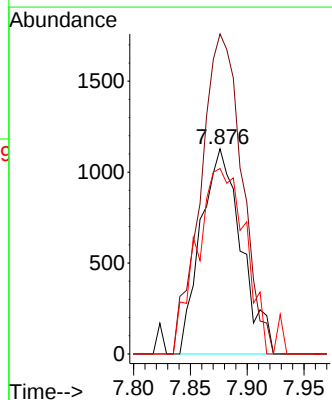
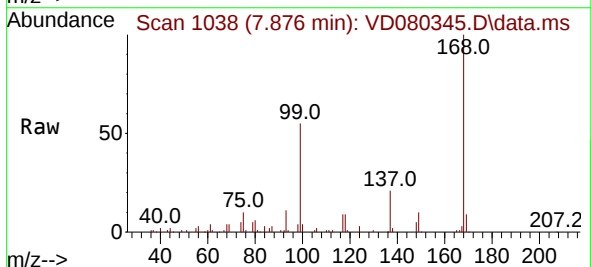
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

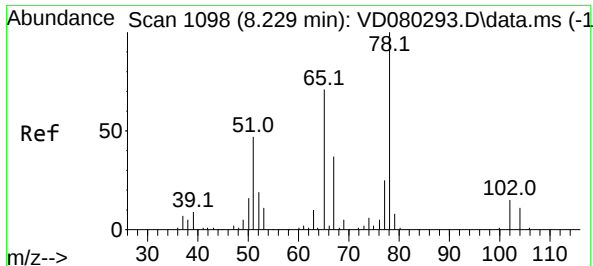
Tgt Ion:	84	Resp:	3495
Ion	Ratio	Lower	Upper
84	100		
49	72.0	86.5	129.7#
51	27.2	26.9	40.3
86	37.1	47.2	70.8#



#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

Tgt Ion:	56	Resp:	2797
Ion	Ratio	Lower	Upper
56	100		
69	156.0	27.3	40.9#
84	71.2	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 53.959 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.001 min

Lab File: VD080345.D

Acq: 15 May 2025 13:47

Instrument :

MSVOA_D

ClientSampleId :

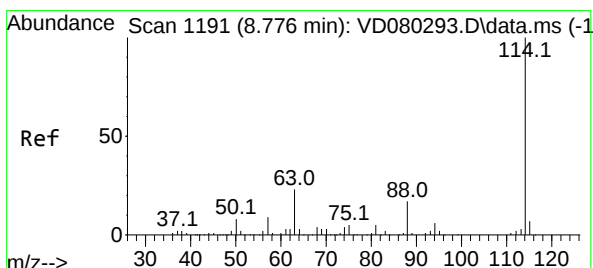
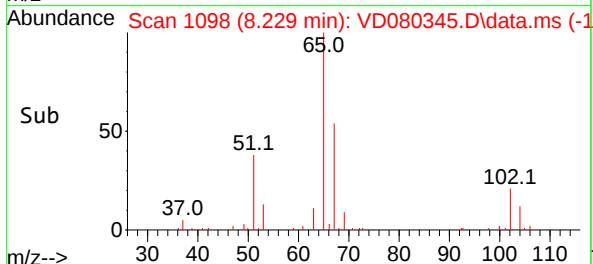
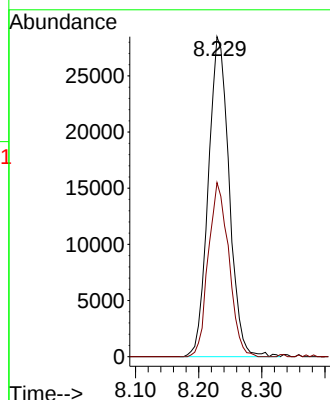
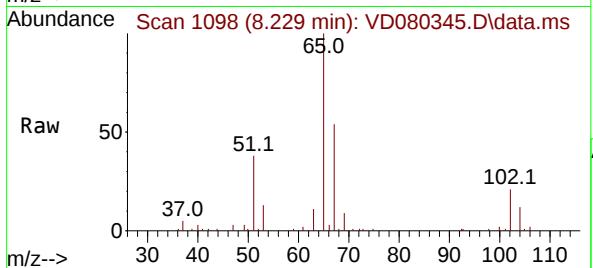
COMP-1

Tgt Ion: 65 Resp: 65399

Ion Ratio Lower Upper

65 100

67 53.5 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: VD080345.D

Acq: 15 May 2025 13:47

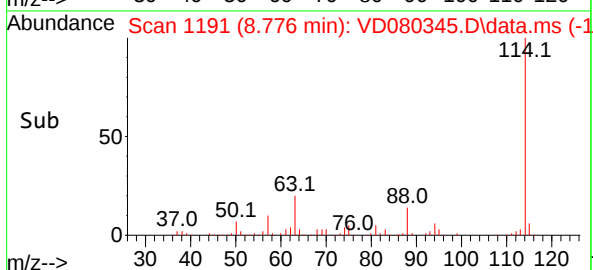
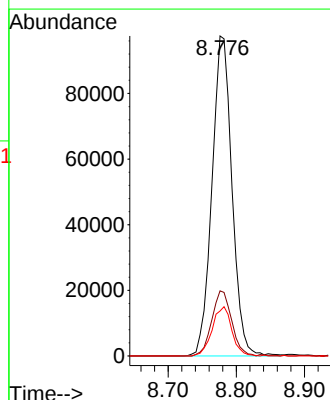
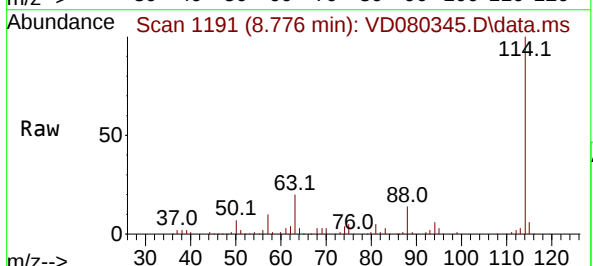
Tgt Ion: 114 Resp: 199194

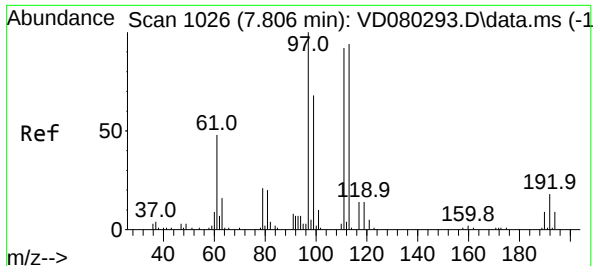
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 14.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.484 ug/l

RT: 7.805 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VD080345.D

Acq: 15 May 2025 13:47

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

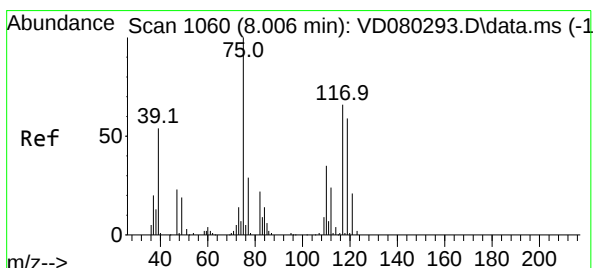
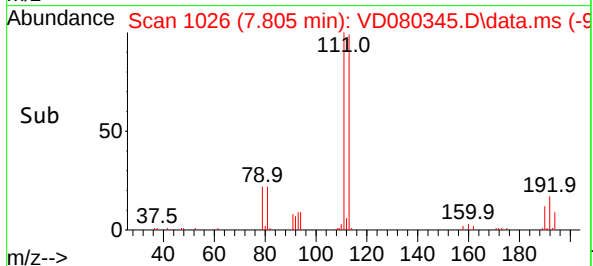
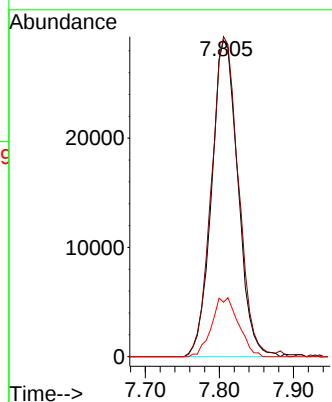
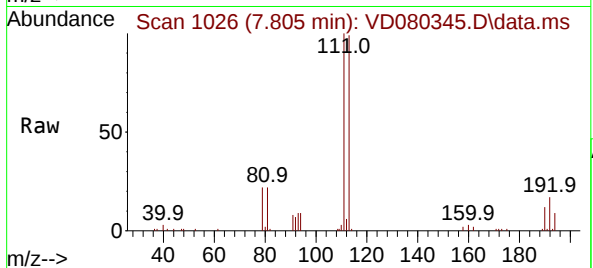
Tgt Ion:113 Resp: 71405

Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 19.1 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.419 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080345.D

Acq: 15 May 2025 13:47

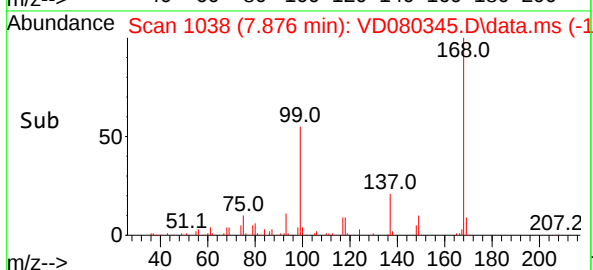
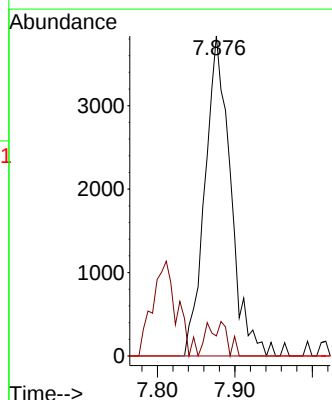
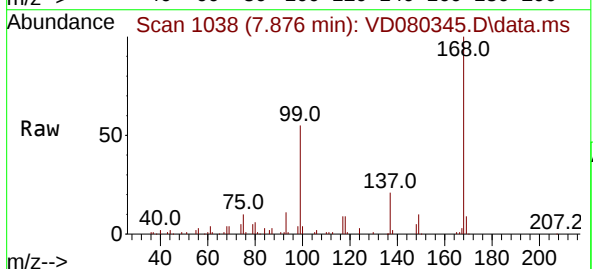
Tgt Ion: 75 Resp: 8818

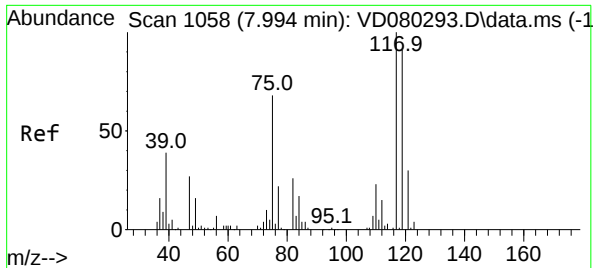
Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.0#

77 0.0 25.6 38.4#

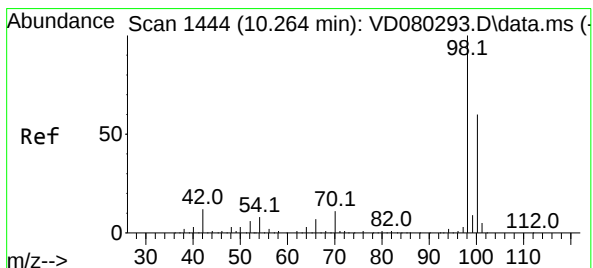
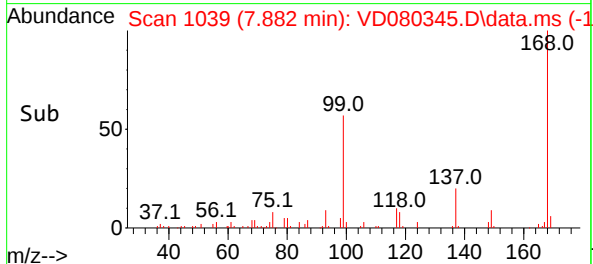
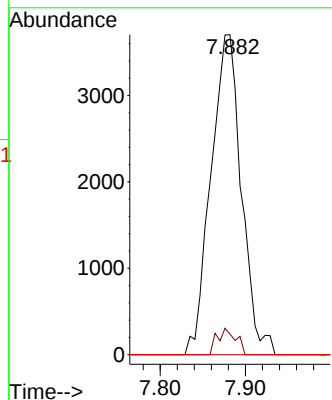
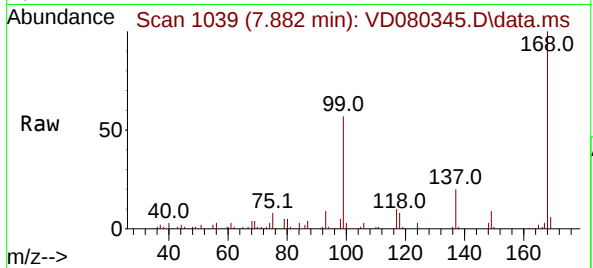




#38
Carbon Tetrachloride
Concen: 4.431 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. -0.105 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

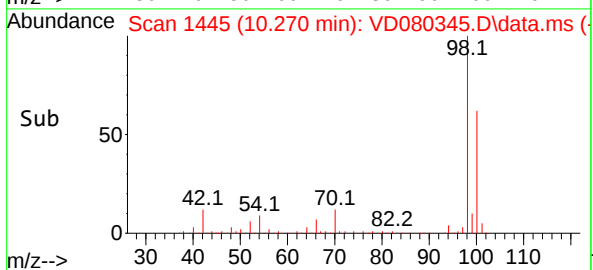
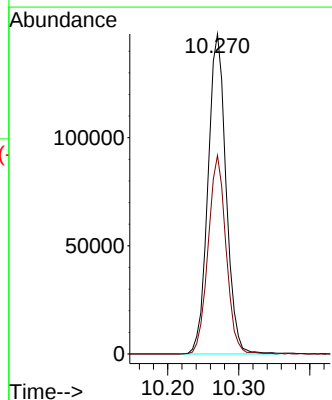
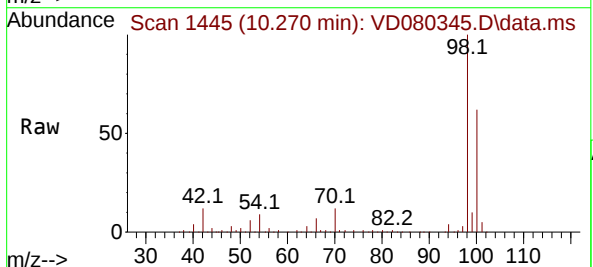
Instrument :
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ClientSampleId :
COMP-1

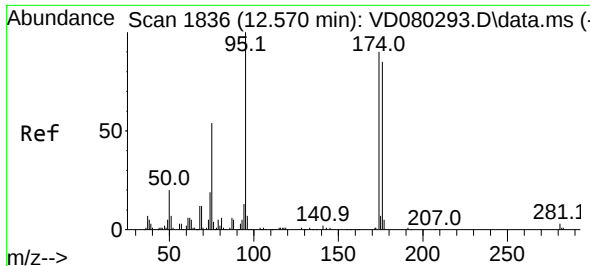
Tgt Ion:117 Resp: 9221
Ion Ratio Lower Upper
117 100
119 6.5 73.4 110.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.718 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

Tgt Ion: 98 Resp: 261533
Ion Ratio Lower Upper
98 100
100 61.5 50.2 75.4

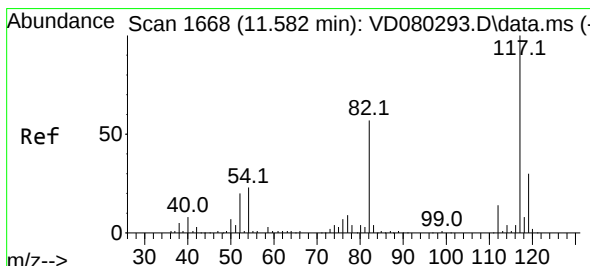
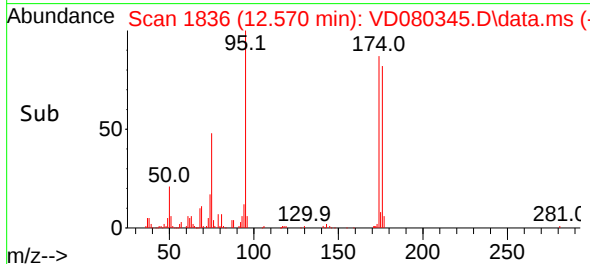
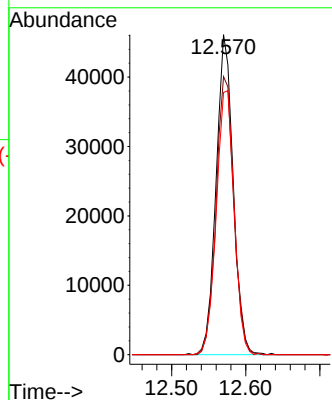
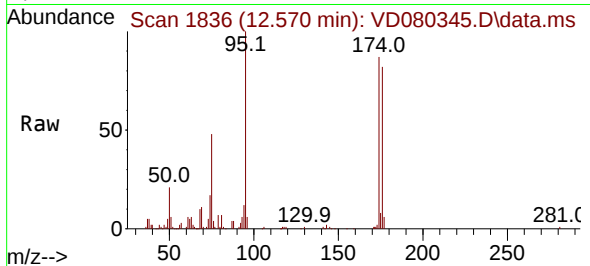




#62
4-Bromofluorobenzene
Concen: 43.649 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

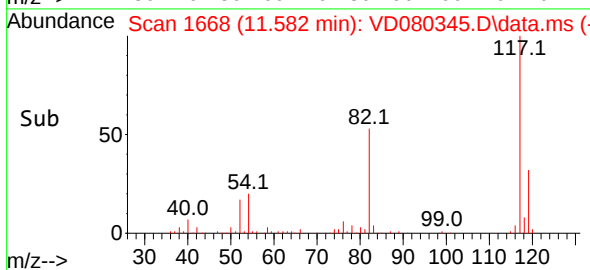
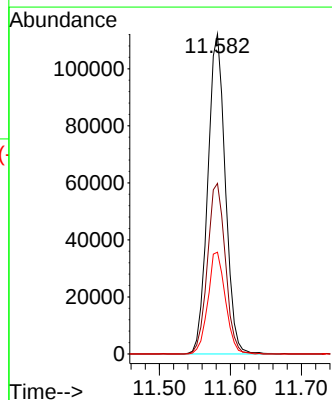
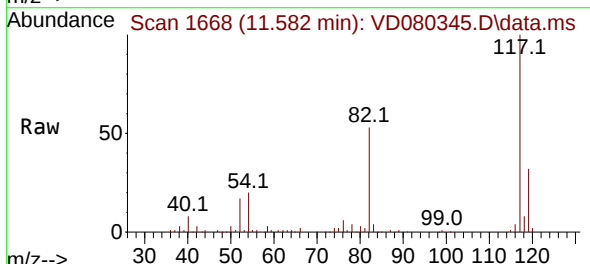
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

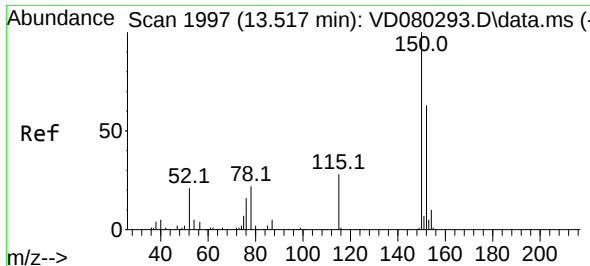
Tgt Ion:	95	Resp:	73698
Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	173.4
176	86.6	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

Tgt Ion:	117	Resp:	192180
Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.8	68.6
119	31.8	26.2	39.2

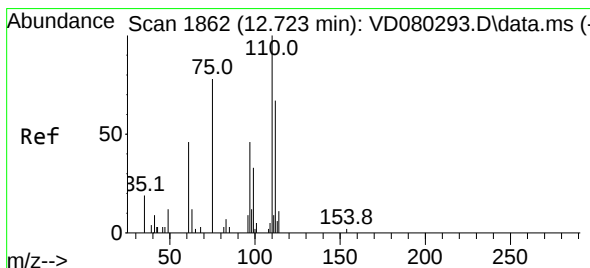
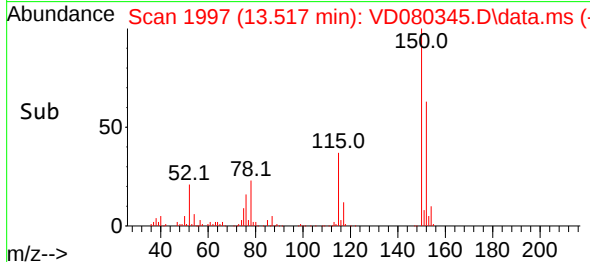
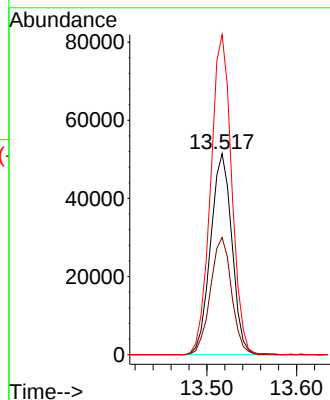
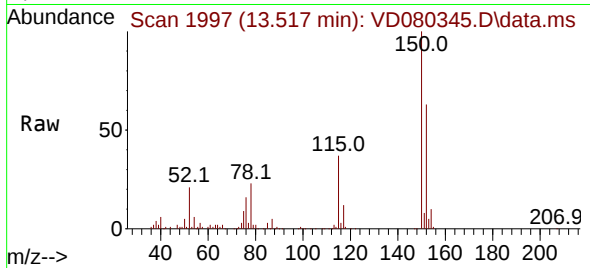




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080345.D
 Acq: 15 May 2025 13:47

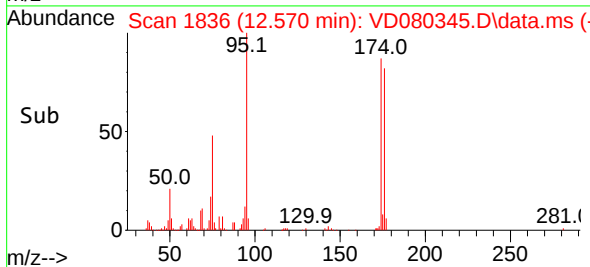
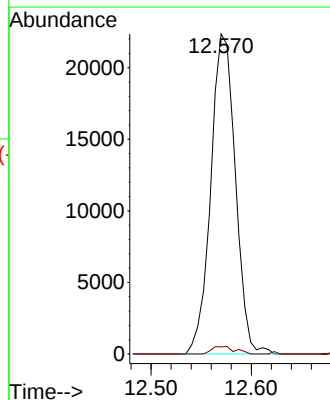
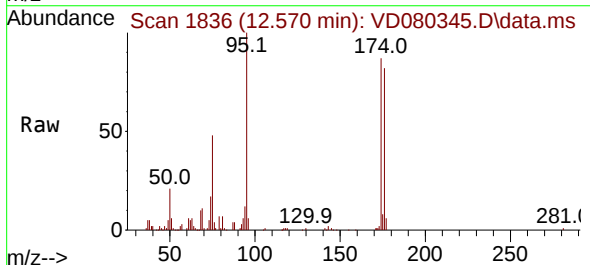
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

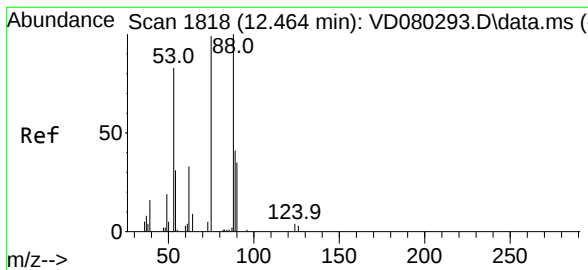
Tgt Ion:152 Resp: 84836
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.9 86.8
 150 157.1 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 46.566 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080345.D
 Acq: 15 May 2025 13:47

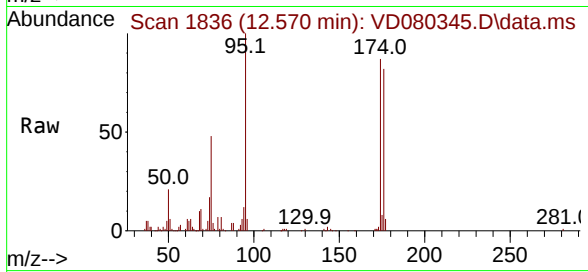
Tgt Ion: 75 Resp: 38127
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.389 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080345.D
Acq: 15 May 2025 13:47

Instrument :
MSVOA_D
ClientSampleId :
COMP-1



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	68.7	103.1#
89	0.2	36.1	54.1#

