

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080328.D
 Acq On : 14 May 2025 17:55
 Operator : RP/MD
 Sample : Q2019-03
 Misc : 4.23G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-K-VOC

Quant Time: May 15 03:38:01 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)

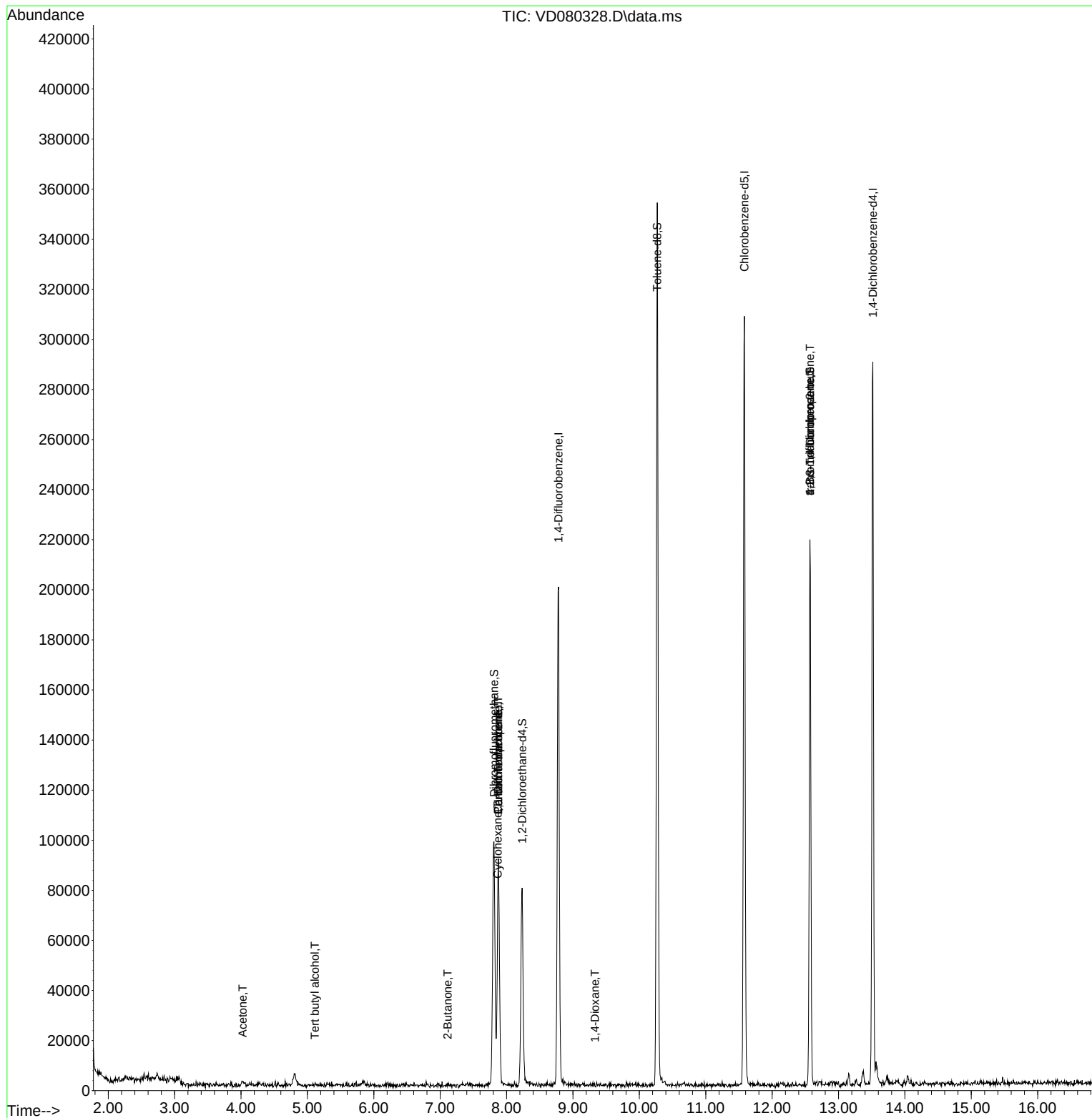
Internal Standards						
1) Pentafluorobenzene	7.876	168	66044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	174278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	174570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	79539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	63143	73.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.860%	
35) Dibromofluoromethane	7.811	113	71235	60.985	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.960%	
50) Toluene-d8	10.270	98	238714	51.868	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.570	95	65110	44.076	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.160%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.976	85	71	Below Cal	#	43
3) Chloromethane	2.176	50	239	Below Cal	#	39
11) Tert butyl alcohol	5.111	59	65	1.254	ug/l #	1
16) Acetone	4.023	43	3049	3.602	ug/l	97
20) Methylene Chloride	4.800	84	1765	Below Cal	#	92
25) 2-Butanone	7.111	43	393	1.672	ug/l #	1
31) Cyclohexane	7.864	56	1723	1.242	ug/l #	40
36) 1,1-Dichloropropene	7.876	75	5925	3.394	ug/l #	46
38) Carbon Tetrachloride	7.876	117	7043	3.869	ug/l #	22
49) 1,4-Dioxane	9.329	88	57	6.277	ug/l #	21
76) 1,2,3-Trichloropropane	12.570	75	34929	45.501	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	34929	86.368	ug/l #	15

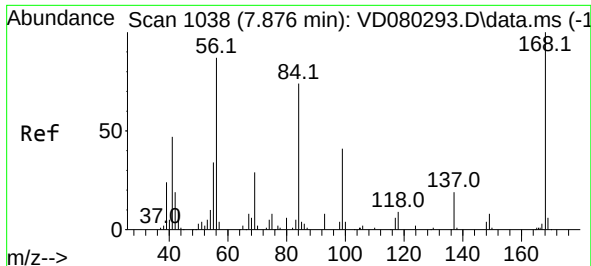
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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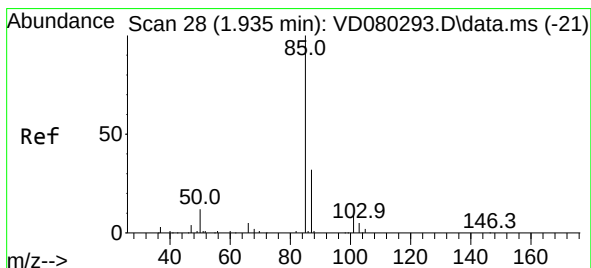
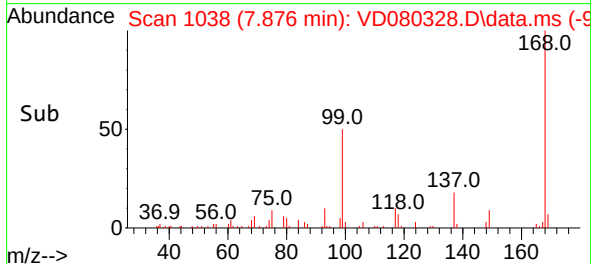
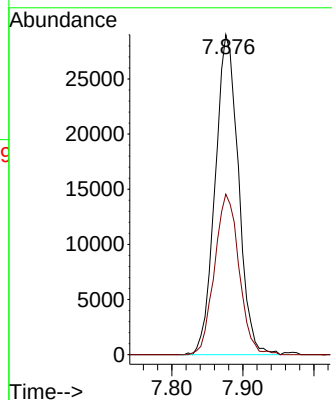
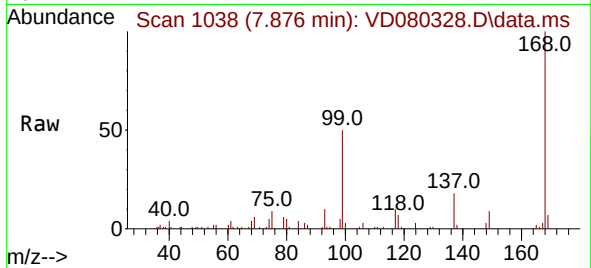




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

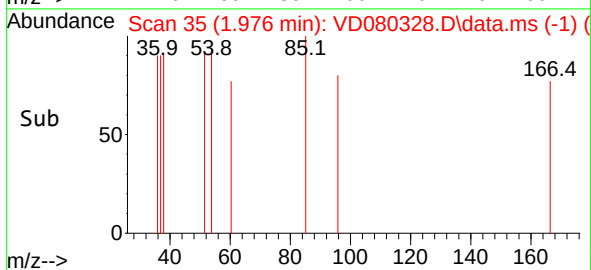
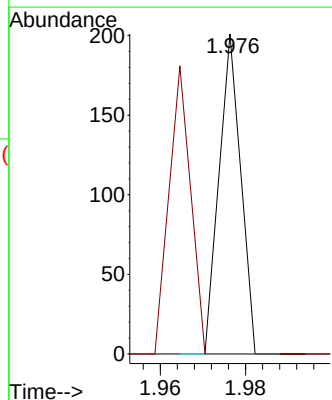
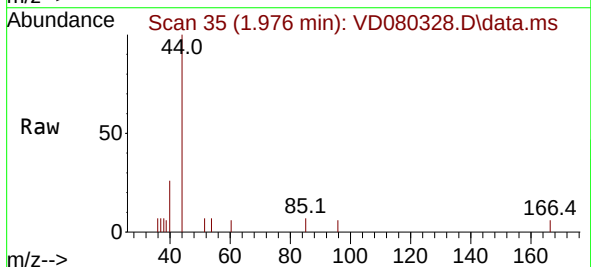
Instrument :
MSVOA_D
ClientSampleId :
MH-K-VOC

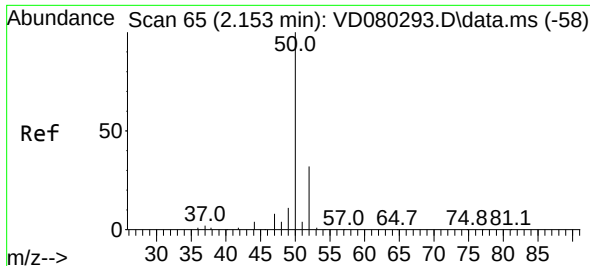
Tgt Ion:168 Resp: 66044
Ion Ratio Lower Upper
168 100
99 50.1 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.976 min Scan# 35
Delta R.T. 0.042 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

Tgt Ion: 85 Resp: 71
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

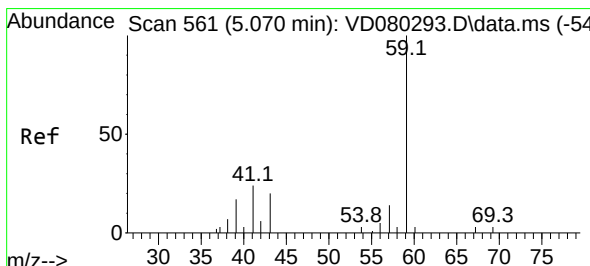
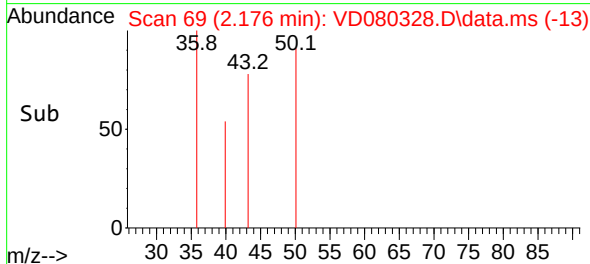
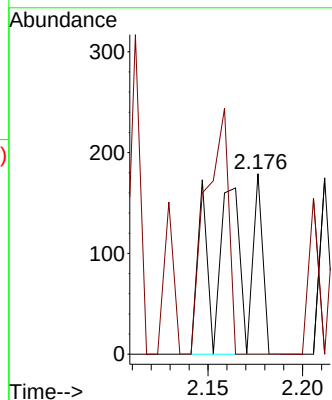
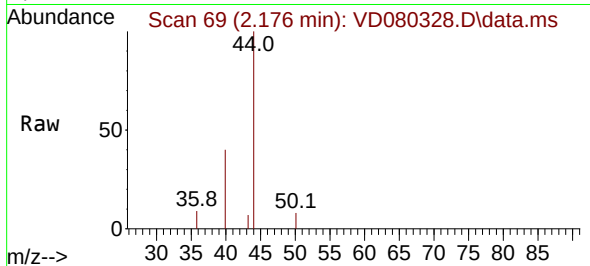




#3
Chloromethane
Concen: Below Cal
RT: 2.176 min Scan# 61
Delta R.T. 0.030 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

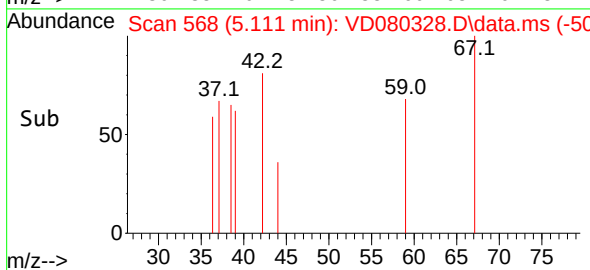
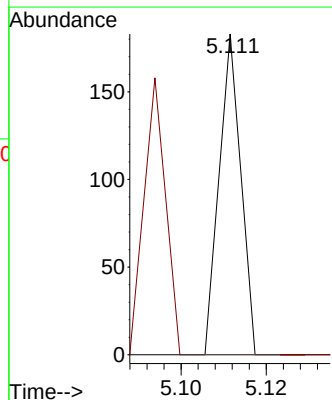
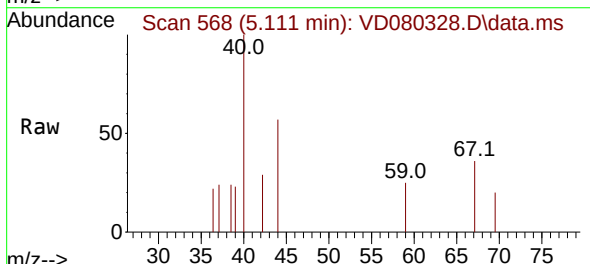
Instrument :
MSVOA_D
ClientSampleId :
MH-K-VOC

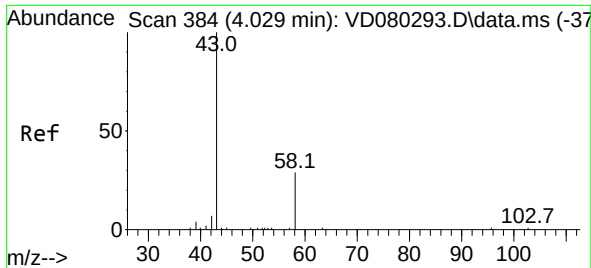
Tgt Ion: 50 Resp: 239
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.254 ug/l
RT: 5.111 min Scan# 568
Delta R.T. 0.053 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 86.2 4.8 7.2#





#16

Acetone

Concen: 3.602 ug/l

RT: 4.023 min Scan# 384

Delta R.T. 0.000 min

Lab File: VD080328.D

Acq: 14 May 2025 17:55

Instrument :

MSVOA_D

ClientSampleId :

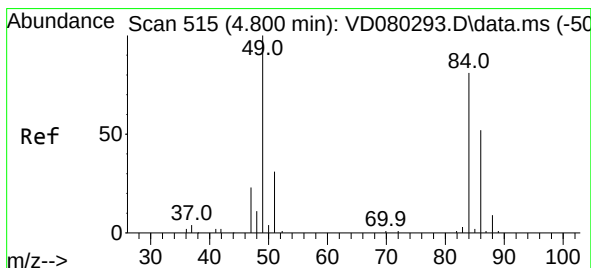
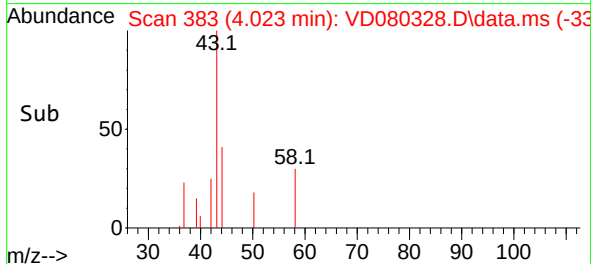
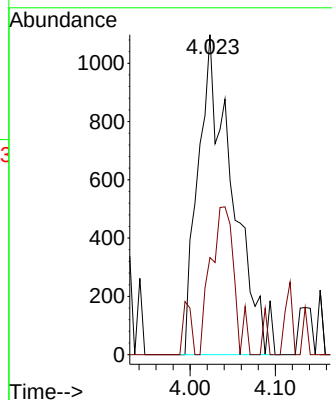
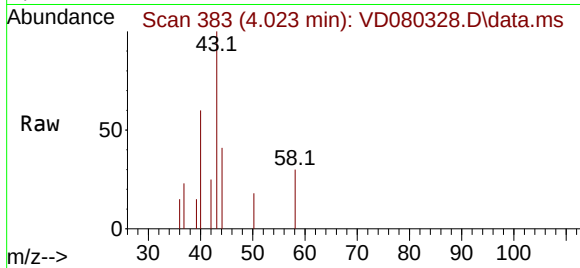
MH-K-VOC

Tgt Ion: 43 Resp: 3049

Ion Ratio Lower Upper

43 100

58 30.3 25.4 38.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.800 min Scan# 515

Delta R.T. -0.005 min

Lab File: VD080328.D

Acq: 14 May 2025 17:55

Tgt Ion: 84 Resp: 1765

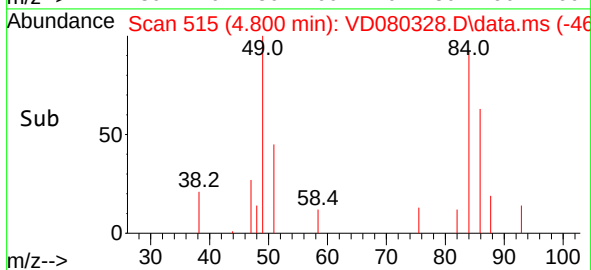
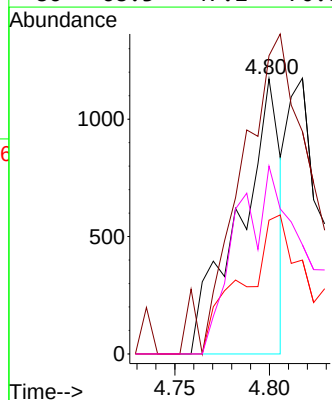
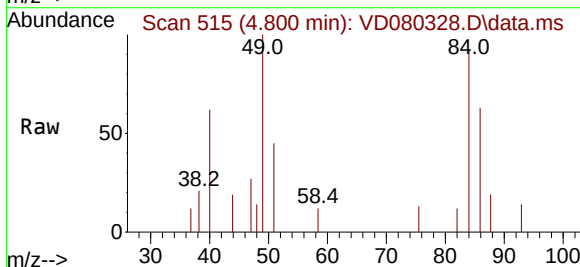
Ion Ratio Lower Upper

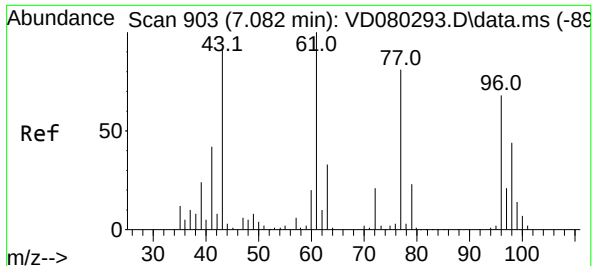
84 100

49 108.4 86.5 129.7

51 48.6 26.9 40.3#

86 68.3 47.2 70.8





#25

2-Butanone

Concen: 1.672 ug/l

RT: 7.111 min Scan# 90

Delta R.T. 0.024 min

Lab File: VD080328.D

Acq: 14 May 2025 17:55

Instrument :

MSVOA_D

ClientSampleId :

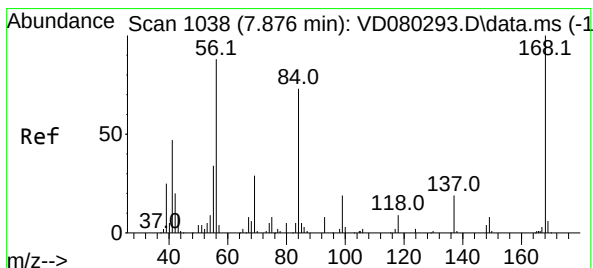
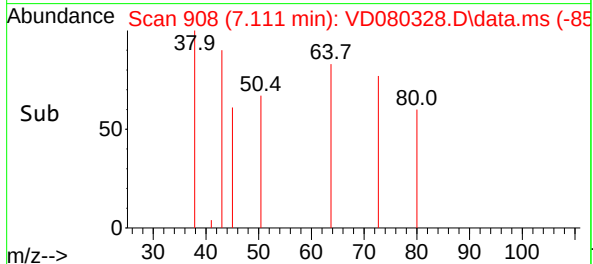
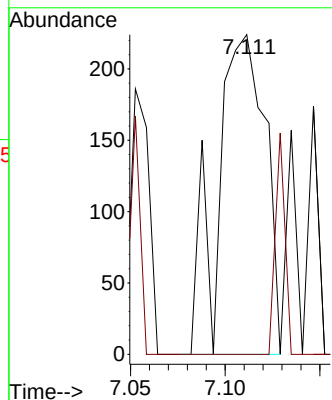
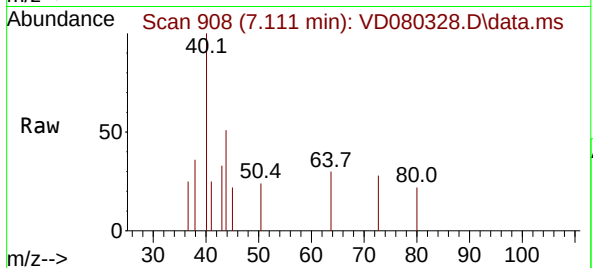
MH-K-VOC

Tgt Ion: 43 Resp: 393

Ion Ratio Lower Upper

43 100

72 85.3 22.3 33.5#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.864 min Scan# 1036

Delta R.T. -0.017 min

Lab File: VD080328.D

Acq: 14 May 2025 17:55

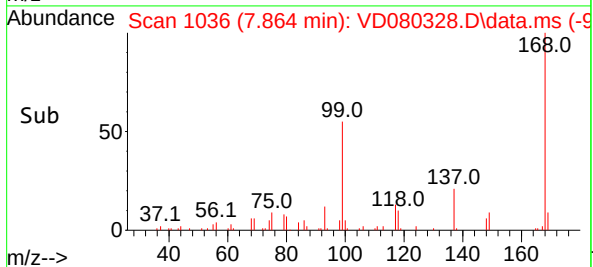
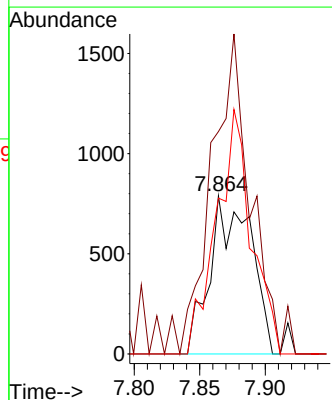
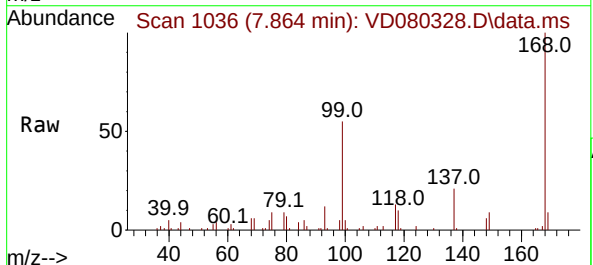
Tgt Ion: 56 Resp: 1723

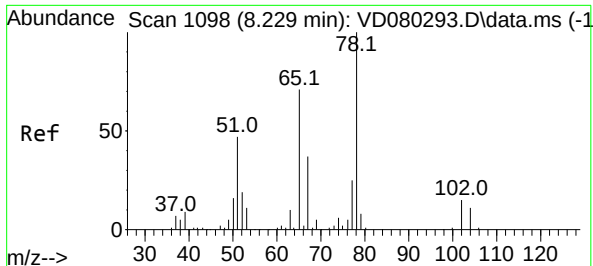
Ion Ratio Lower Upper

56 100

69 140.7 27.3 40.9#

84 98.6 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 73.933 ug/l

RT: 8.235 min Scan# 1109

Delta R.T. 0.007 min

Lab File: VD080328.D

Acq: 14 May 2025 17:55

Instrument :

MSVOA_D

ClientSampleId :

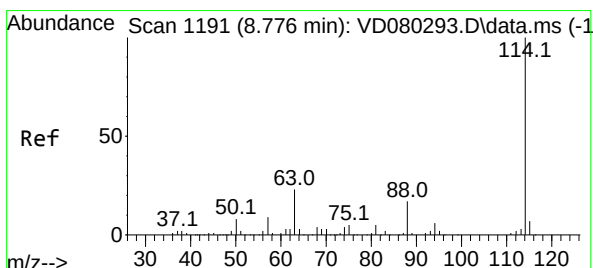
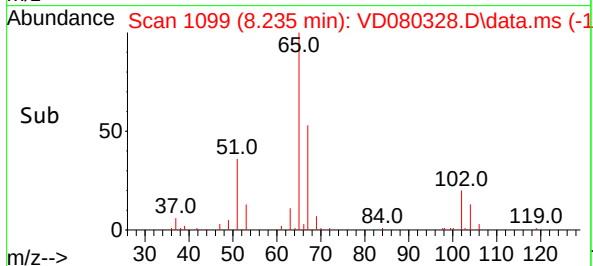
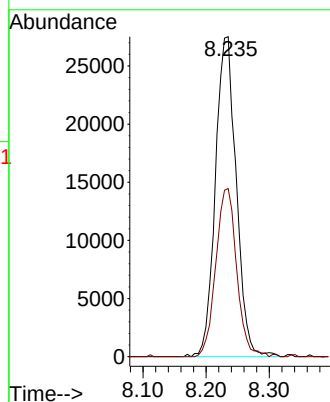
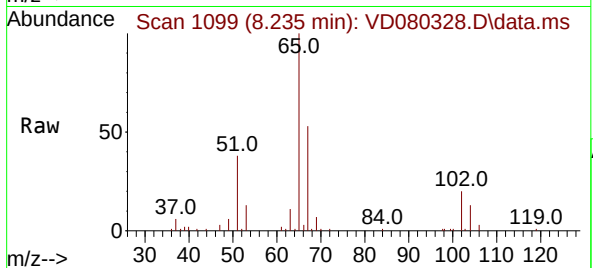
MH-K-VOC

Tgt Ion: 65 Resp: 63143

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: VD080328.D

Acq: 14 May 2025 17:55

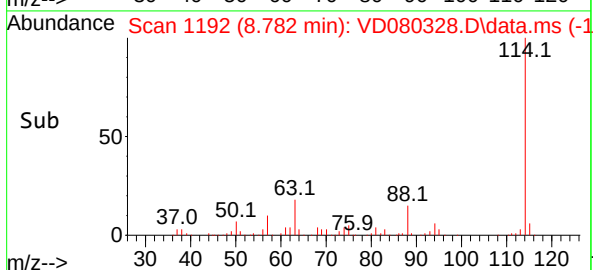
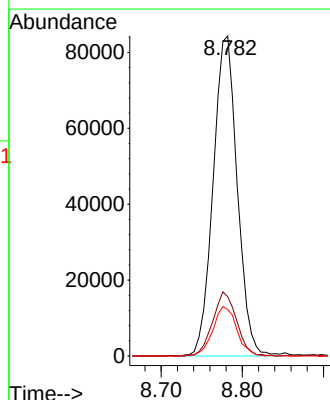
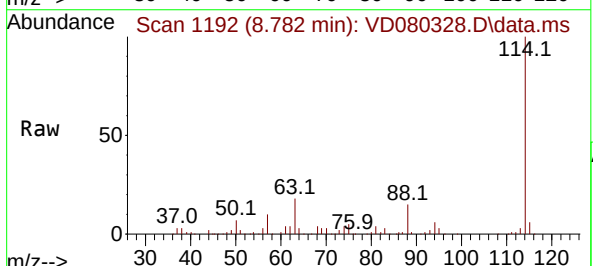
Tgt Ion: 114 Resp: 174278

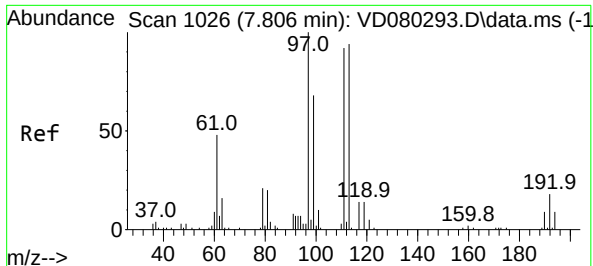
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

88 14.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 60.985 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080328.D

Acq: 14 May 2025 17:55

Instrument :

MSVOA_D

ClientSampleId :

MH-K-VOC

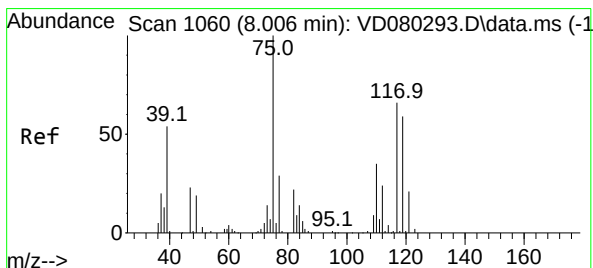
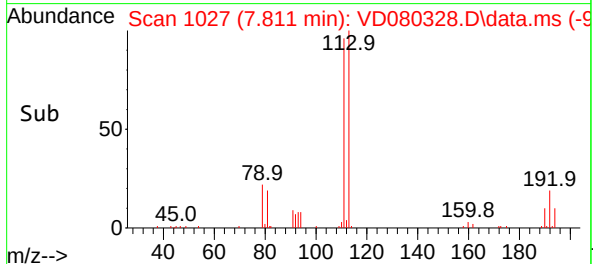
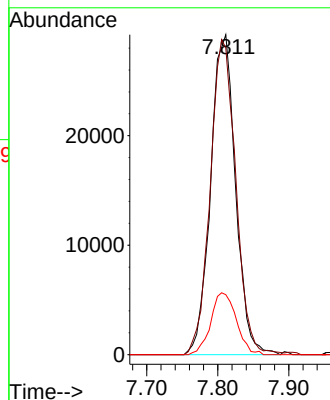
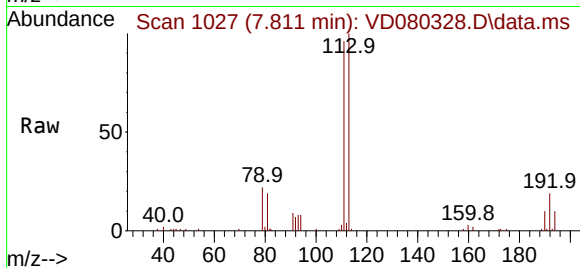
Tgt Ion:113 Resp: 71235

Ion Ratio Lower Upper

113 100

111 100.9 82.5 123.7

192 19.9 16.6 25.0



#36

1,1-Dichloropropene

Concen: 3.394 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080328.D

Acq: 14 May 2025 17:55

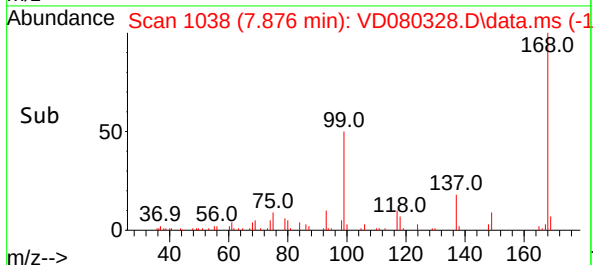
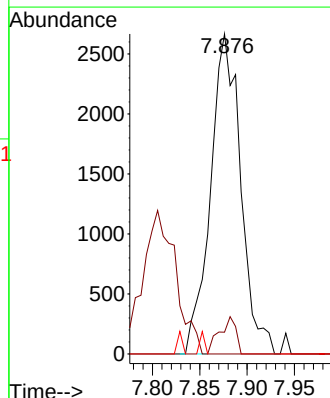
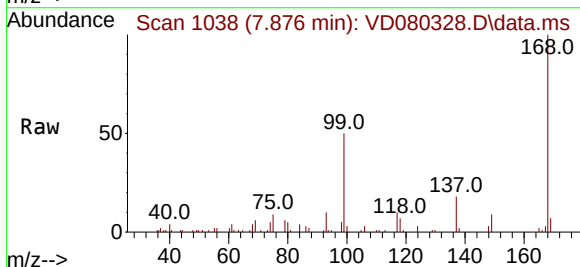
Tgt Ion: 75 Resp: 5925

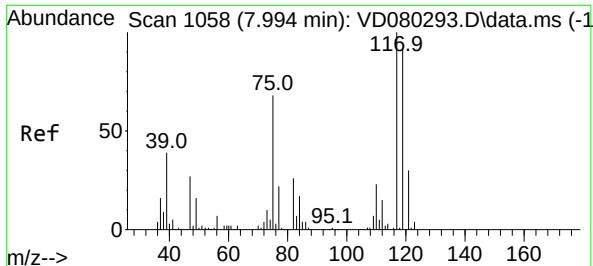
Ion Ratio Lower Upper

75 100

110 6.3 18.4 55.0#

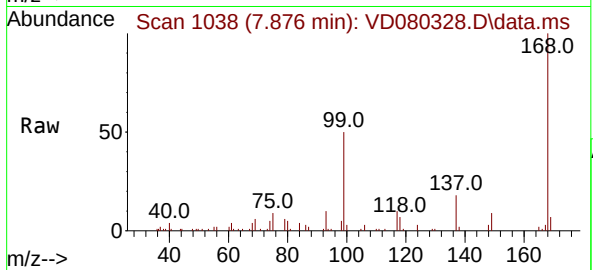
77 0.0 25.6 38.4#



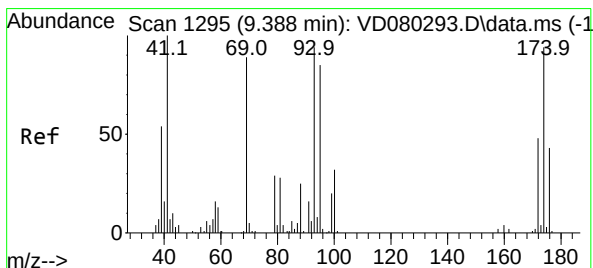
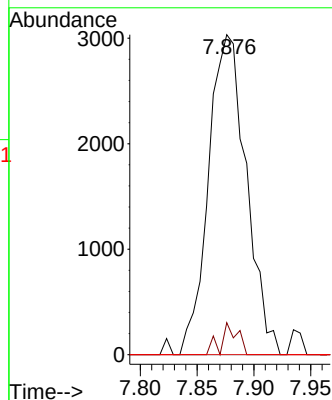
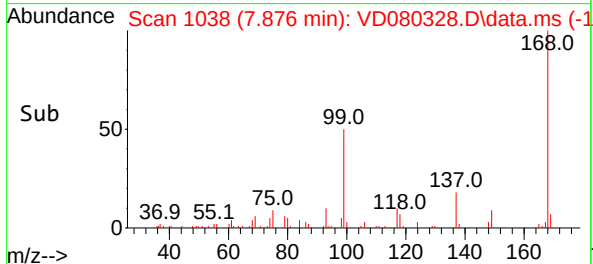


#38
Carbon Tetrachloride
Concen: 3.869 ug/l
RT: 7.876 min Scan# 1058
Delta R.T. -0.111 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

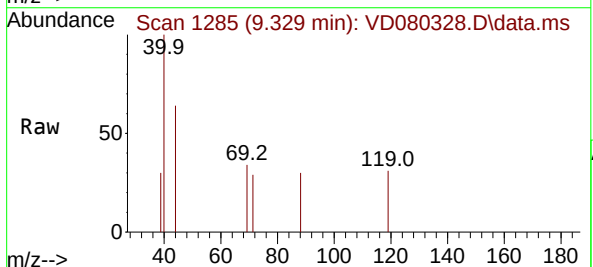
Instrument :
MSVOA_D
ClientSampleId :
MH-K-VOC



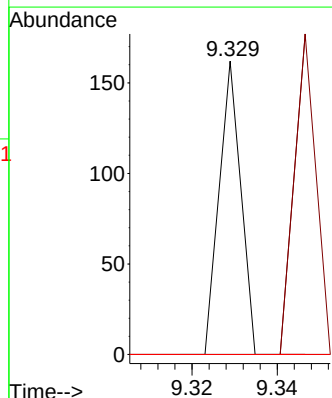
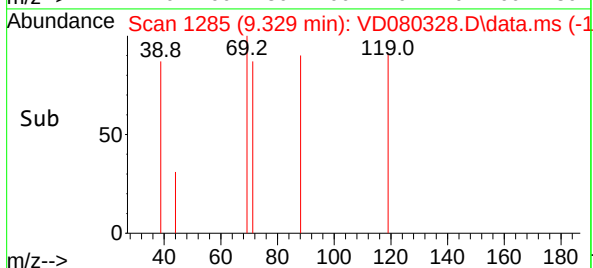
Tgt Ion: 117 Resp: 7043
Ion Ratio Lower Upper
117 100
119 10.0 73.4 110.0#
121 0.0 24.5 36.7#

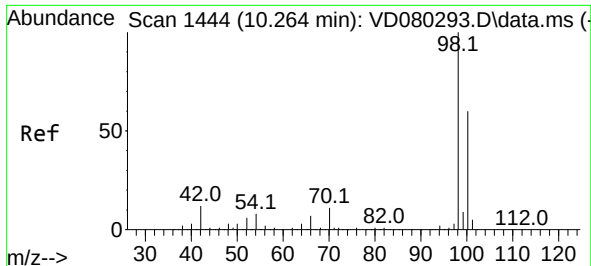


#49
1,4-Dioxane
Concen: 6.277 ug/l
RT: 9.329 min Scan# 1285
Delta R.T. -0.058 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55



Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 29.1 43.7#
58 0.0 59.9 89.9#

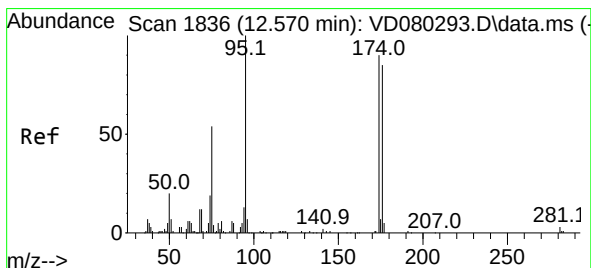
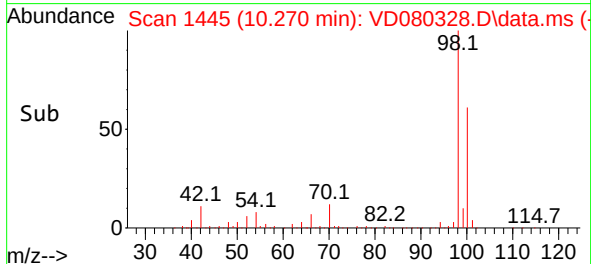
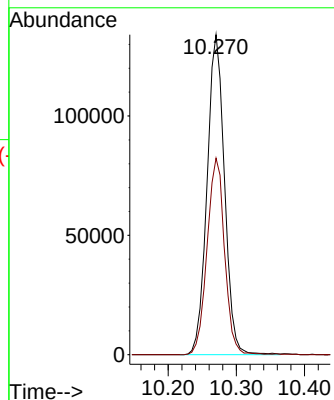
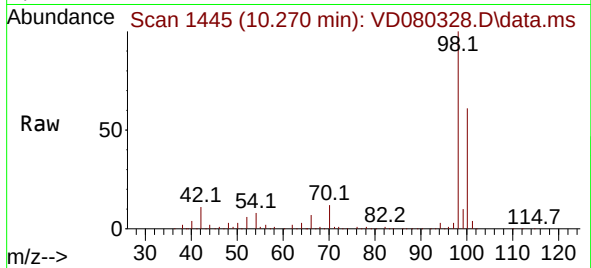




#50
Toluene-d8
Concen: 51.868 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

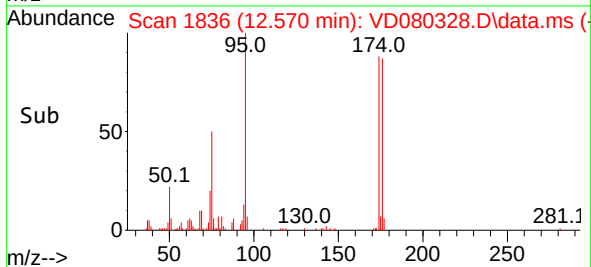
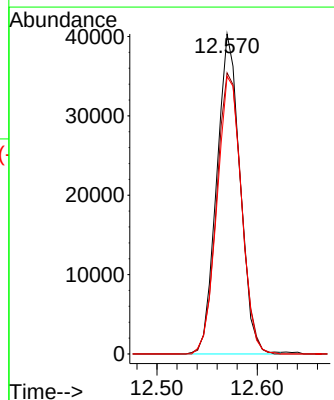
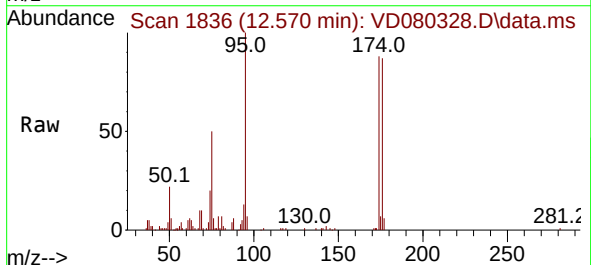
Instrument :
MSVOA_D
ClientSampleId :
MH-K-VOC

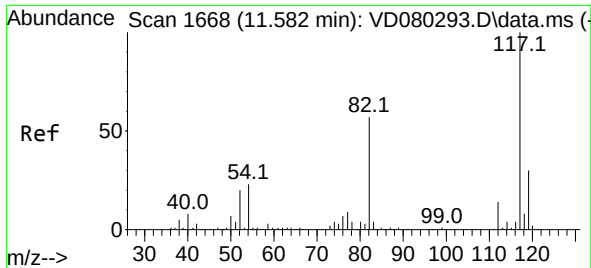
Tgt Ion: 98 Resp: 238714
Ion Ratio Lower Upper
98 100
100 61.6 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 44.076 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

Tgt Ion: 95 Resp: 65110
Ion Ratio Lower Upper
95 100
174 93.1 0.0 173.4
176 90.8 0.0 166.6

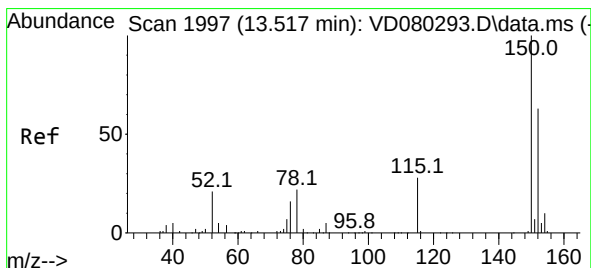
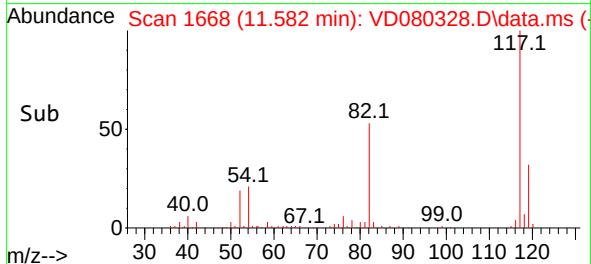
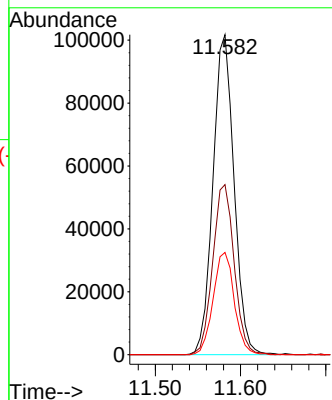
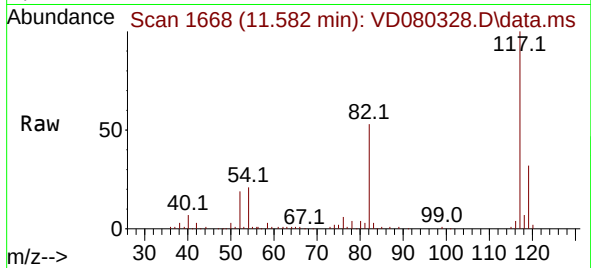




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

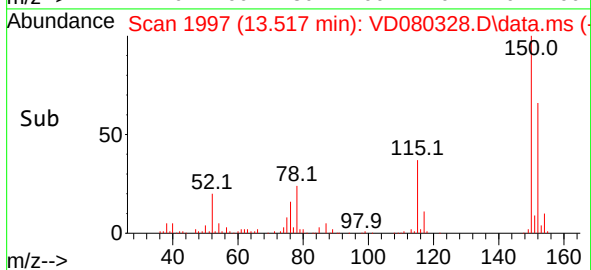
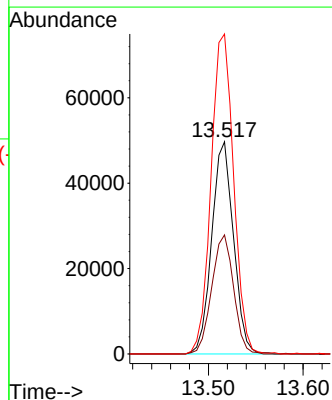
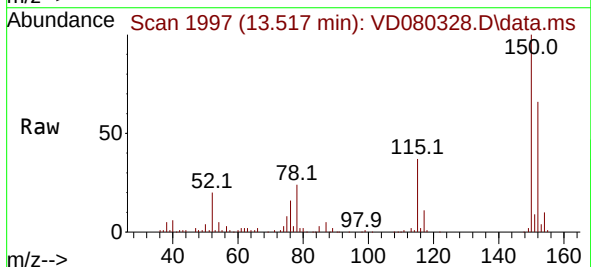
Instrument :
MSVOA_D
ClientSampleId :
MH-K-VOC

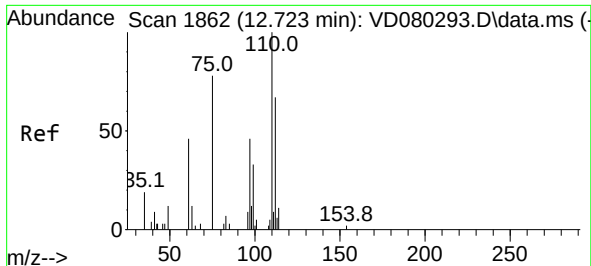
Tgt Ion:117 Resp: 174570
Ion Ratio Lower Upper
117 100
82 53.2 45.8 68.6
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

Tgt Ion:152 Resp: 79539
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.8
150 156.3 0.0 354.8

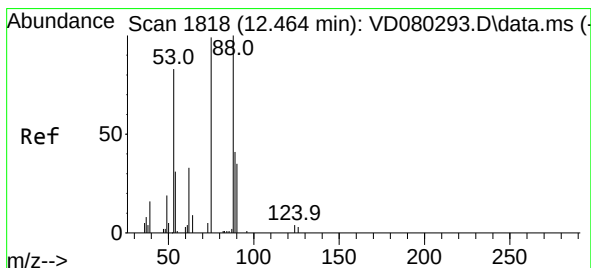
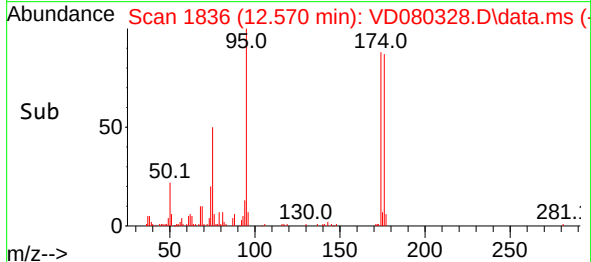
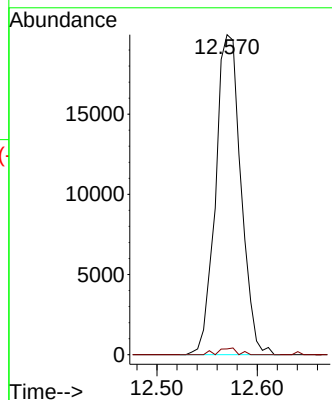
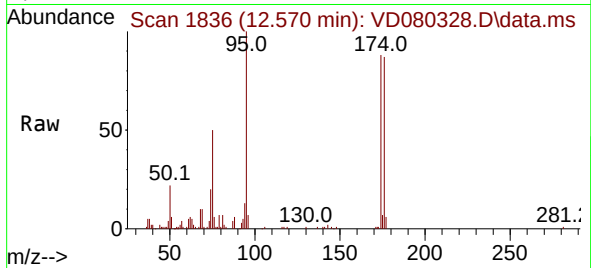




#76
1,2,3-Trichloropropane
Concen: 45.501 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.152 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

Instrument :
MSVOA_D
ClientSampleId :
MH-K-VOC

Tgt Ion: 75 Resp: 34929
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.368 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.101 min
Lab File: VD080328.D
Acq: 14 May 2025 17:55

Tgt Ion: 75 Resp: 34929
Ion Ratio Lower Upper
75 100
53 0.4 68.7 103.1#
89 0.0 36.1 54.1#

